



HikCentral Professional OpenAPI (Healthcare)

Developer Guide

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Chapter 1 Overview

1.1 Introduction

HikCentral Professional is a platform that provides the open capabilities and APIs of video, alarm, ANPR (Automatic Number Plate Recognition), and so on, for the third-party manufacturers or developers to fast integrate different applications.

1.2 System Requirements

Operating System: Microsoft® Windows 7 SP1/8.1/10 (64-bit)



The system requirements of Open Platform is same as that of HikCentral Professional.

1.3 Open Capabilities

The open capabilities of HikCentral Professional for application integration include resource, video, alarm, ANPR (Automatic Number Plate Recognition), access control, and event (e.g., face comparison event, abnormal temperature alarm, no mask alarm, and so on).

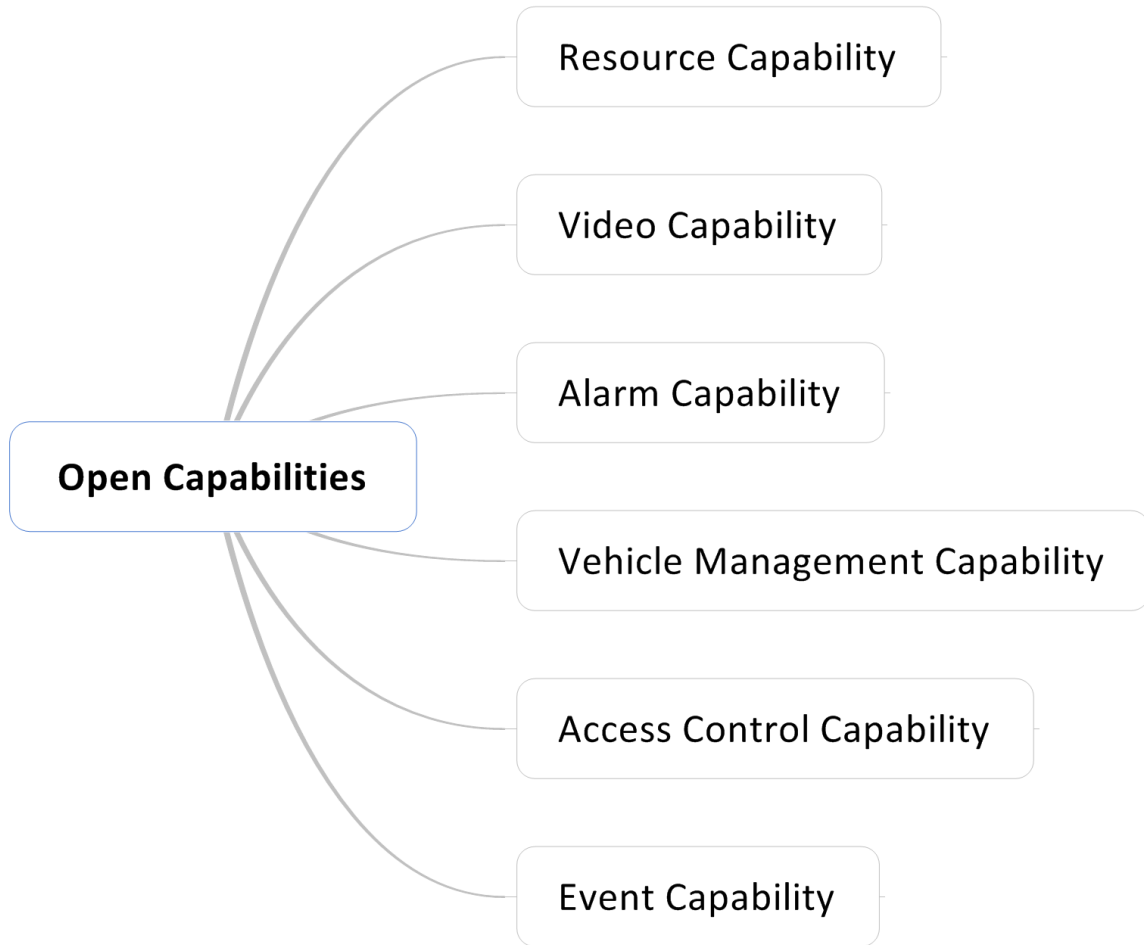


Figure 1-1 Open Capabilities Directory

1.3.1 Resource Capability

The resource capability is about getting different resources' information, such as encoding device, area, camera, vehicle passing, site, and so on in different development modes (i.e., web, computer, mobile phone, etc.).

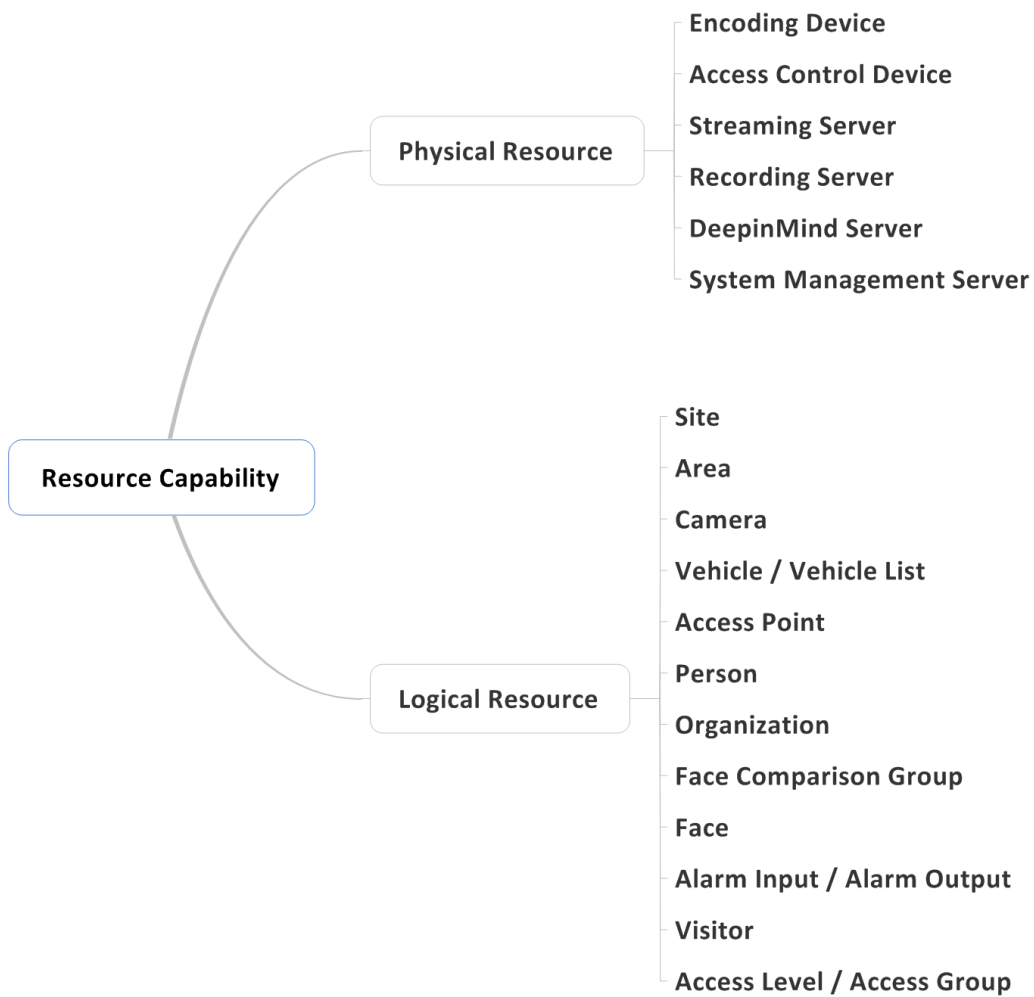


Figure 1-2 Resource Capability Directory

1.3.2 Video Capability

The video capability is about getting real-time, playback, and audio stream URLs, PTZ control of remote site, real-time and playback stream transmission, and so on.

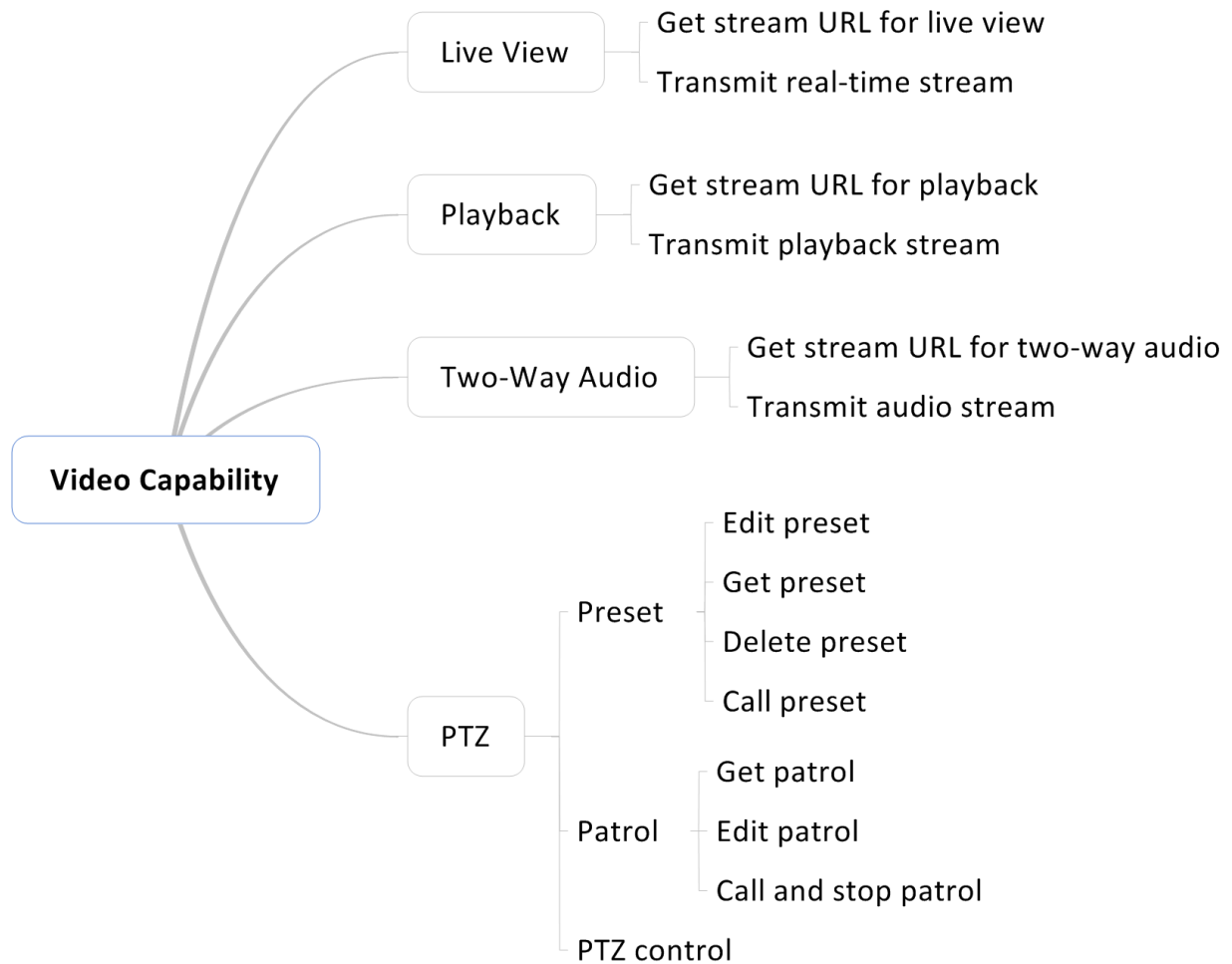


Figure 1-3 Video Capability Directory

 **Note**

The OpenAPI only helps to get the real-time or recorded stream, so the implementations of live view and playback depend on the player developed by the APIs of C++ or C# language SDK or the video plug-in developed via web browser. For details, refer to the *HikCentral Professional Video SDK (C++) Developer Guide* and *HikCentral Professional Video Web SDK Developer Guide*.

1.3.3 Event and Alarm Capability

The event capability is about event subscription by event type, event notification based on HTTP or HTTPS, generic event configuration, log search, getting event and alarm picture, and alarm acknowledgement.

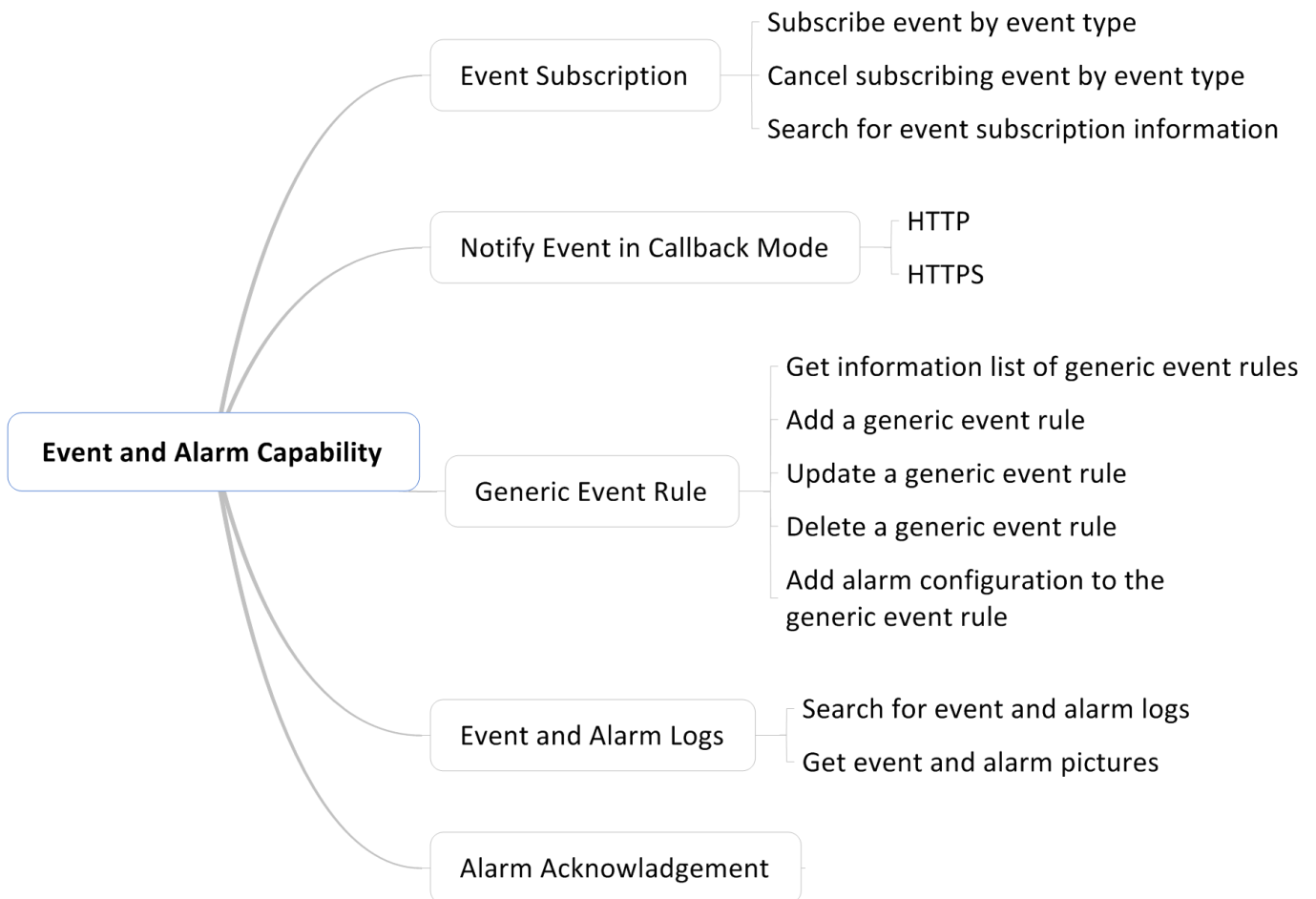


Figure 1-4 Event and Alarm Capability Directory

1.3.4 Vehicle and Parking Management Capability

The vehicle and parking management capability is about vehicle management and vehicle parking management.

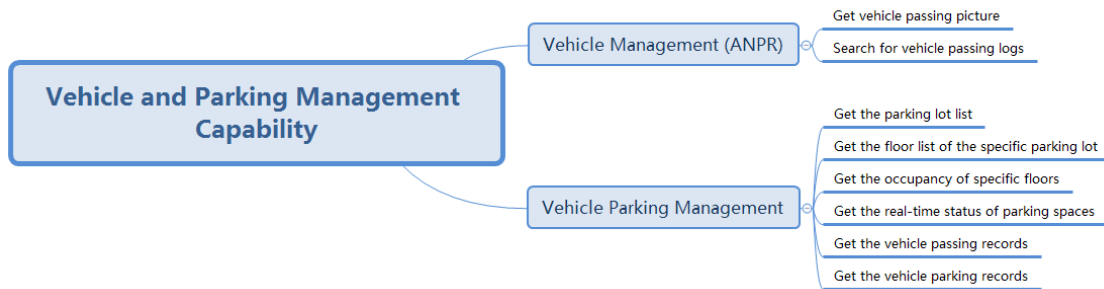


Figure 1-5 Vehicle and Parking Management Capability Directory

1.3.5 Access Control Capability

The access control capability is about the door control, access record search, and getting access control event pictures.

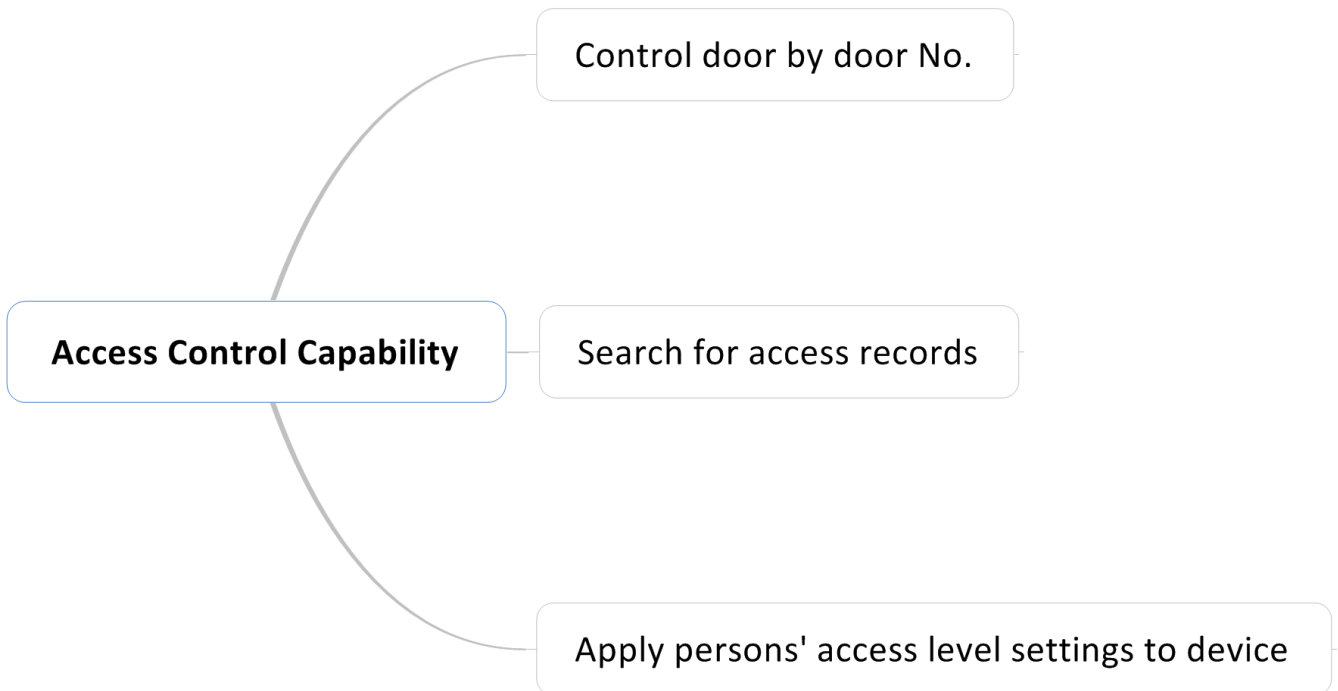


Figure 1-6 Directory of Access Control Capability Directory

1.3.6 Visitor Management Capability

The visitor management capability is about making reservations for visitors, checking in visitors with/without reservation information, and checking out visitors.

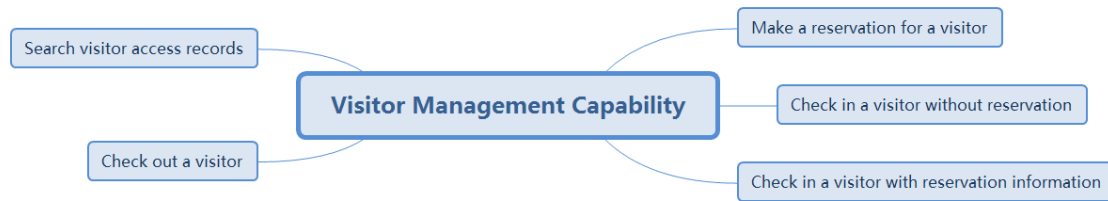


Figure 1-7 Visitor Management Capability Directory

1.4 Terms and Definitions

| Term | Description |
|-------------------------|---|
| OpenAPI | The publicly available application programming interface that provides developers with programmatic access to a proprietary software application or web service. |
| HikCentral Professional | A platform for security video management. |
| HTTP method | A set of request methods defined by HTTP to indicate the desired action to be performed for a given resource. The useful methods include GET (get resources), PUT (set or update resources), POST (add or search resources), and DELETE (delete resources). |
| header | The supplemental data at the beginning of a data block. For example, "Accept:text/plain". |
| URL | Uniform Resource Locator, which is colloquially termed a web address, and is a reference to a web resource that specifies its location on a computer network and a mechanism for retrieving it. |
| query | A precise request for information retrieval with database and information systems. |
| appKey\appSecret | A pair of appKey or appSecret is used to mark the caller, and the appSecret is as a key for signature calculation. |
| AK | Access Key, which relates with the private access key. They are used in pair to encrypt the signature in the request. |
| SK | Secret Access Key, which is used to mark the sender and prevent the request from being modified during signature encryption. |

| Term | Description |
|------|---|
| SMS | Stream Media Server, which supports RTSP and is used to forward stream to up to 200 channels. It is also like a security gateway in multi-channel scene. |
| RTSP | Real Time Streaming Protocol, which is a network control protocol designed for use in entertainment and communications systems to control streaming media servers. The protocol is used for establishing and controlling media sessions between end points. Clients of media servers issue VHS-style commands, such as play, record and pause, to facilitate real-time control of the media streaming from the server to a client (Video On Demand) or from a client to the server (Voice Recording). |
| RTP | Real-time Transport Protocol, which is a network protocol for delivering audio and video over IP networks. |

1.5 Update History

Summary of Changes in Version 2.2.2_Jan., 2023

- Added APIs for searching for healthcare information:
 - Search for room information: **[POST /artemis/api/healthcareradar/v1/room](#)** ;
 - Search for person's heart rate and breathing rate data: **[POST /artemis/api/healthcareradar/v1/heartbreath](#)** ;
 - Search for person's overall status and daily activities: **[POST /artemis/api/healthcareradar/v1/livefeature](#)** ;
 - Search for person's sleep status: **[POST /artemis/api/healthcareradar/v1/sleepQuality](#)** ;
 - Search for person's in-bed status: **[POST /artemis/api/healthcareradar/v1/inBedStatus](#)** .
- Added healthcare events. See details in **[Event Types or Alarm Categories](#)** .
- Added the healthcare event message: **[Healthcare Event Message](#)** .

Summary of Changes in Version 2.2.1_Mar., 2022

- Added APIs for getting mobile device information:
 - Get the mobile device list in page: **[POST /artemis/api/resource/v1/mobileDevice/mobileDeviceList](#)** ;
 - Get the information of a mobile device by device ID: **[POST /artemis/api/resource/v1/mobileDevice/indexCode/mobileDeviceInfo](#)** ;
 - Search the mobile device list: **[POST /artemis/api/resource/v1/mobileDevice/advance/mobileDeviceList](#)** .
- Extended the request and response message for getting the camera list of a specified area by area ID (**[POST /artemis/api/resource/v1/regions/regionIndexCode/cameras](#)**), getting the

information of a specified camera by camera ID ([POST /artemis/api/resource/v1/cameras/indexCode](#)), getting the information list of all cameras ([POST /artemis/api/resource/v1/cameras](#)), and setting search conditions to search the specified cameras ([POST /artemis/api/resource/v1/camera/advance/cameralist](#)):

added 2 parameters: **deviceType** (device type) and **devIndexCode** (mobile device ID).

3. Extended the request and response message for getting the alarm input information list ([POST /artemis/api/resource/v1/alarminputs](#)), setting search condition to search for the alarm input information ([POST /artemis/api/resource/v1/alarminput/advance/alarminputlist](#)), getting the alarm output information list ([POST /artemis/api/resource/v1/alarmputputs](#)), and setting search condition to search for the alarm output information ([POST /artemis/api/resource/v1/alarmputput/advance/alarmputputlist](#)):
added a parameter **deviceType** (device type).
4. Added APIs for managing information of vehicles linked to mobile devices:
Get the list of vehicles linked to mobile devices: [POST /artemis/api/resource/v1/mobilevehicle/mobilevehiclist](#) ;
Get the information of a vehicle linked to the mobile device: [POST /artemis/api/resource/v1/mobileVehicle/indexCode/mobileVehicleInfo](#) ;
Search the list of vehicles linked to mobile devices: [POST /artemis/api/resource/v1/mobilevehicle/advanced/mobilevehiclist](#) .
5. Added APIs for managing mobile monitoring:
Get GPS statistics information of mobile devices: [POST /artemis/api/mobilesurveillance/v1/gpsdetails](#) ;
Search for event information of a mobile device: [POST /artemis/api/mobilesurveillance/v1/single/record](#) ;
Search for event records of vehicles linked to mobile devices: [POST /artemis/api/mobilesurveillance/v1/recordOverview](#) .
6. Added the mobile event message ([Mobile Event Message](#)).

Summary of Changes in Version 2.2.0_Nov., 2021

1. Extended the request message for adding and editing a visitor's reservation record (related APIs: [POST /artemis/api/visitor/v2/appointment](#) and [POST /artemis/api/visitor/v2/appointment/update](#)):
added a parameter **accessInfo** (visitor's access permission).
2. Extended the request message for getting the list of reservation records (related API: [POST /artemis/api/visitor/v1/appointment/appointmentlist](#)):
added 8 parameters: **visitorName** (visitor's name), **companyName** (company name), **interviewName** (name of the person to be visited), **appointCode** (reservation code), **identiCode** (ID card number), **phoneNo** (phone number), **appointState** (reservation status), and **visitorReason** (visiting purpose).
3. Added APIs for managing the visitor information:
Search for the custom information about visitors: [POST /artemis/api/visitor/v1/visitorconfig/customfields](#) ;

Search for the information about visitor groups by group name: **[POST /artemis/api/visitor/v1/visitorgroups](#)** ;

Search for visitors' information by visitor group ID: **[POST /artemis/api/visitor/v1/visitorgroups/groupinfo](#)** :

Search for visitors' information by condition: **[POST /artemis/api/visitor/v1/visitor/visitorInfo](#)** ;

Get the visitor's information by visitor ID: **[POST /artemis/api/visitor/v1/visitor/single/visitorinfo](#)** .

4. Added APIs for video application:

Get the list of resource groups: **[POST /artemis/api/aiapplication/v1/people/advance/resourceGroupList](#)** ;

Get the real-time statistics of resource groups: **[POST /artemis/api/aiapplication/v1/people/resourceGroupRealTimeCount](#)** .

5. Added an API for searching for the face comparison information: **[POST /artemis/api/aiapplication/v1/face/faceMatchRecord](#)** .

6. Added APIs for parking lot management. See details in **[Manage Vehicle Parking](#)** .

7. Added 77 alarm/event types related with camera, door, and card swiping. See details in **[Event Types or Alarm Categories](#)** .

Summary of Changes in Version 2.1.0_May, 2021

1. Added an API to add a visitor's information for checking in: **[POST /artemis/api/visitor/v1/registerment](#)** .

2. Added an API to edit a visitor's information for checking in: **[POST /artemis/api/visitor/v1/registerment/update](#)** .

3. Added an API to add a visitor's reservation record: **[POST /artemis/api/visitor/v2/appointment](#)** .

4. Added an API to delete a visitor's reservation record: **[POST /artemis/api/visitor/v1/appointment/single/delete](#)** .

5. Added an API to edit a visitor's reservation record: **[POST /artemis/api/visitor/v2/appointment/update](#)** .

6. Added an API to get the list of the reservation records: **[POST /artemis/api/visitor/v1/appointment/appointmentlist](#)** .

7. Added an API to get the picture of a visitor: **[POST /artemis/api/visitor/v1/appointment/downloadpicture](#)** .

8. Extended the event message format **[Event Message Format](#)** : added a parameter **eventLvl** (event level).

9. Extended the request parameters for getting the streaming URL for playback and getting the streaming URL for live view (related APIs: **[POST /artemis/api/video/v1/cameras/playbackURLs](#)** and **[POST /artemis/api/video/v1/cameras/previewURLs](#)**): added a parameter **requestWebsocketProtocol** (Streaming type of websocket).

10. For devices added via ISUP, streaming via RTSP is also supported.

11. Extended event types **[Event Types or Alarm Categories](#)** : added two camera alarm types, i.e., 385052 (Camera Recording Exception Alarm) and (Camera Recording Recovered Alarm);

added 7 encoding device alarm types, i.e., 385050 (Encoding Device Recording Exception Alarm), 385051 (Encoding Device Recording Recovered Alarm), 225404 (HDD Bad Sector Alarm), 225405 (HDD High Temperature Alarm), 225406 (HDD Impact Detection Alarm), 225407 (HDD Severe Failure Alarm), and 66065 (Video Standard Mismatches Alarm).

added three door alarm types, i.e., 198658 (Abnormally Open Door Alarm), 198400 (Open Door Timeout Alarm), and 198657 (Door Open by Force Alarm).

Summary of Changes in Version 2.0.0_Sept., 2020

1. Added an API to get alarm input information according to alarm input ID: **[POST /artemis/api/resource/v1/alarmlInputs/indexCode](#)** .
2. Added an API to get all the alarm input information: **[POST /artemis/api/resource/v1/alarmlInputs](#)** .
3. Added an API to search for alarm input information: **[POST /artemis/api/resource/v1/alarmlInput/advance/alarmlInputList](#)** .
4. Added an API to get alarm output information according to alarm output ID: **[POST /artemis/api/resource/v1/alarmlOutputs/indexCode](#)** .
5. Added an API to get all the alarm output information: **[POST /artemis/api/resource/v1/alarmlOutputs](#)** .
6. Added an API to search for alarm output information: **[POST /artemis/api/resource/v1/alarmlOutput/advance/alarmlOutputList](#)** .
7. Added an API to control alarm output: **[POST /artemis/api/resource/v1/alarmlOutput/controlling](#)** .
8. Added an API to get card reader information: **[POST /artemis/api/resource/v1/reader/search](#)** .
9. Added an API to get person information according to person ID: **[POST /artemis/api/resource/v1/person/personCode/personInfo](#)** .
10. Added API to get the person's custom information: **[POST /artemis/api/resource/v1/person/customFields](#)** .
11. Added API to edit the person's custom information: **[POST /artemis/api/resource/v1/person/personId/customFieldsUpdate](#)** .
12. Added an API to add visitor information: **[POST /artemis/api/visitor/v1/appointment](#)** .
13. Added an API to update visitor information: **[POST /artemis/api/visitor/v1/appointment/update](#)** .
14. Added an API to verify the face picture: **[POST /artemis/api/acs/v1/faceCheck](#)** .
15. Added an API to revoke visitor's permission after he/she checks out: **[POST /artemis/api/visitor/v1/visitor/out](#)** .
16. Added APIs to assign access levels to persons and apply persons' access level settings to device. Refer to **[Manage Person's Access Level](#)** for details.
17. Added APIs to configure generic events. Refer to **[Configure Generic Event](#)** for details.
18. Extended the object about information of an access control device (**[AcsDevInfo](#)**):
added one parameter: **status** (status of the access control device).
19. Extended the person information object (**[PersonInfo](#)**):
added three parameters, i.e., **personFamilyName** (family name of the person), **personGivenName** (given name of the person), and **customFieldList** (custom information).

20. Extended the vehicle information object (***VehicleInfo***):
added two parameters, i.e., **personFamilyName** (family name of the vehicle owner) and **personGivenName** (given name of the vehicle owner).
21. Extended the object about information of a vehicle passing record (***PassVehicleRecord***):
added three parameters, i.e., **vehicleColor** (vehicle color), **vehicleType** (vehicle type), and **country** (country of the vehicle).
22. Extended the object about information of an access point event (***PersonInOutEvents***):
added four parameters, i.e., **personFamilyName** (family name of the person), **personGivenName** (given name of the person), **readerIndexCode** (card reader ID), and **readerName** (card reader name).
23. Extended the object about information of an encoding device (***EncodeDevInfo***):
added one parameter: **status** (status of the encoding device).
24. Extended the event types or alarm categories (***Event Types or Alarm Categories***):
added one alarm input alarm category code: 589825 (Alarm Input Alarm);
added one generic event type code: 195 (Generic Event).
25. Extended the face comparison event message ***Face Comparison Event Message*** :
added four parameters, i.e., **age** (age information), **ageGroup** (age group), **gender** (gender information), and **value** (gender).

Summary of Changes in Version 1.7.0_May, 2020

1. Added APIs to get the information of different servers, i.e., Streaming Server, Recording Server, DeepinMind Server, and System Management Server, refer to ***Table 4-3***, ***Table 4-4***, ***Table 4-5***, and ***Table 4-6*** for details.
2. Added APIs to add, edit, and delete a vehicle group or a vehicle, refer to ***Table 4-13*** for details.
3. Extended the request parameters when adding or editing a person (related APIs: ***POST /artemis/api/resource/v1/person/single/add*** and ***POST /artemis/api/resource/v1/person/single/update***):
added two parameters, i.e., "beginTime" and "endTime".
4. Added an API to edit the information of the face linked with the person: ***POST /artemis/api/resource/v1/person/face/update*** .
5. Added an API to edit the information of the fingerprint linked with the person: ***POST /artemis/api/resource/v1/person/fingerPrints/update*** .
6. Added an API to get people counting statistics of a camera: ***POST /artemis/api/aiapplication/v1/people/statisticsTotalNumByTime*** .
7. Added an API to get picture data of access control events via URI: ***POST /artemis/api/acs/v1/event/pictures*** .
8. Added an API to get status details of applying person information to device: ***POST /artemis/api/acs/v1/auth/applicationResult*** .
9. Extended the person information object (***PersonInfo***):
added two parameters, i.e., "beginTime" and "endTime".
10. Extended the vehicle information object (***VehicleInfo***):
edited the maximum lengths of "plateNo", "personName", and "phoneNo" to 32 bytes, 256 bytes, and 32 bytes, respectively.

11. Extended the object of access point event information (***PersonInOutEvents***): added five parameters, i.e., "**deviceTime**" (event occurred time), "**picUri**" (captured picture URI), "**temperatureData**" (temperature value), "**temperatureStatus**" (temperature status), and "**wearMaskStatus**" (wearing mask or not).
12. Extended the event types or alarm categories (***Event Types or Alarm Categories***): added two camera alarm category codes: 130 (License Plate Matched Alarm) and 131 (License Plate Mismatched Alarm); added multiple door alarm category codes: 198913 (Door Open Alarm), 199169 (Door Closed Alarm), 198919 (Remote: Door Open Alarm), 199171 (Remote: Door Closed Alarm), 198922 (Remote: Remain Open Alarm), 199172 (Remote: Remain Closed Alarm), 199941 (Unlocked Alarm), 199942 (Locked Alarm), 198148 (Remaining Closed Started Alarm), 198150 (Remaining Closed Ended Alarm), 198401 (Remaining Open Started Alarm), 198402 (Remaining Open Ended Alarm), and 199608 (Card Reader Tampering Alarm); added two alarm category codes of access control devices: 199708 (Device Tampering Alarm) and 199709 (Device Tampering Alarm Restored Alarm); added two person alarm category codes: 193 (Abnormal Temperature Alarm) and 194 (No Mask Alarm).
13. Extended the access control event message (***Access Control Event Message***): added a parameter "**personCode**" (person No.), "**picUrl**" (picture URL), "**temperatureData**" (temperature value), "**temperatureStatus**" (temperature status), and "**wearMaskStatus**" (wearing mask or not).
14. Added a message format of license plate matched or mismatched event (***License Plate Matched or Mismatched Event Message***).
15. Extended the face comparison event message (***Face Comparison Event Message***): added parameters of "**temperature**" (temperature information object), "**temperatureData**" (temperature value), "**temperatureStatus**" (temperature status), "**mask**" (mask information object), and "**wearMaskStatus**" (wearing mask or not).
16. Extended the request parameters of event search (related API: ***POST /artemis/api/eventService/v1/eventRecords/page***): added two parameters, i.e., "**subSrcType**" (event source type) and "**subSrcIndexs**" (event source No.), for license plate matched or mismatched event search.
17. Extended the fingerprint information object (***FingerPrint***): added a parameter "**relatedCardNo**" (the linked card No.).
18. Extended event record information object (***EventRecord***): added two parameters, i.e., "**subSrcType**" (event source type) and "**subSrcIndexs**" (event source No.), for license plate matched or mismatched event search.
19. Added three error codes of OpenAPI Translation Service (***Status or Error Code***): 131 (the request resource already exists), 132 (the maximum number of resources reached), and 133 (the resource is occupied).
20. Extended the request parameters of card swiping record search (related API: ***POST /artemis/api/acs/v1/door/events***): added two parameters, i.e., "**temperatureStatus**" (temperature status) and "**wearMaskStatus**" (wearing mask or not).

Summary of Changes in Version 1.6.0_Dec., 2019

1. Added an API to get an organization's information: **[POST /artemis/api/resource/v1/org/orgIndexCode/orgInfo](#)** .
2. Added an API to add an organization: **[POST /artemis/api/resource/v1/org/single/add](#)** .
3. Added an API to edit an organization's information: **[POST /artemis/api/resource/v1/org/single/update](#)** .
4. Added an API to delete an organization: **[POST /artemis/api/resource/v1/org/single/delete](#)** .
5. Added an API to add a face comparison group: **[POST /artemis/api/frs/v1/face/group/single/addition](#)** .
6. Added an API to edit the information of a face comparison group: **[POST /artemis/api/frs/v1/face/group/single/update](#)**
7. Added an API to delete a face comparison group: **[POST /artemis/api/frs/v1/face/group/batch/deletion](#)** .
8. Added an API to apply face comparison group to device: **[POST /artemis/api/frs/v1/plan/recognition/black/restart](#)** .
9. Added an API to add a face's information: **[POST /artemis/api/frs/v1/face/single/addition](#)** .
10. Added an API to delete a face's information: **[POST /artemis/api/frs/v1/face/deletion](#)** .
11. Added an API to search for face information in face comparison group: **[POST /artemis/api/frs/v1/face](#)**
12. Added an API to download face picture via URL: **[POST /artemis/api/frs/v1/application/picture](#)**
13. Extended the streaming protocol type of live view (related API: **[POST /artemis/api/video/v1/cameras/previewURLs](#)**):
added two values "websocket" (for JsDecoder SDK) and "rtsp_s" (for getting stream via standard RTSP) to the request parameter "**protocol**".
14. Extended the streaming protocol type of playback (related API: **[POST /artemis/api/video/v1/cameras/playbackURLs](#)**):
added a value "websocket" (for JsDecoder SDK) to the request parameter "**protocol**".
15. Extended the data type of playback URL and video segment information (**[PlaybackUrlVideoInfo](#)**, related API: **[POST /artemis/api/video/v1/cameras/playbackURLs](#)**):
added a parameter "**recordLocation**" (video storage location).
16. Extended the storage location types of videos (related data types: **[PlaybackUrlVideoInfo](#)** and **[CameraInfo](#)**):
added a value "2" (central cluster storage) the parameter "**recordLocation**".
17. Extended the data type of video segment information (**[VideoInfo](#)**, related API: **[POST /artemis/api/video/v1/cameras/playbackURLs](#)**):
added two parameters "**url**" (streaming URL) and "**authentication**" (authentication information).
18. Extended the request parameters of adding or editing person (related APIs: **[POST /artemis/api/resource/v1/person/single/add](#)** and **[POST /artemis/api/resource/v1/person/single/update](#)**):
added a parameter "**cards**" (card information).

19. Extended the data type of person information (***PersonInfo*** ; related APIs: ***POST /artemis/api/resource/v1/person/personList*** , ***POST /artemis/api/resource/v1/person/personId/personInfo*** , and ***POST /artemis/api/resource/v1/person/advance/personList***): added a parameter "cards" (card information).
20. Extended the data type of access point event information (***PersonInOutEvents*** , related API: ***POST /artemis/api/acs/v1/door/events***): added a parameter "checkInAndOutType" (attendance type).
21. Added a event type code "131659" (Face Picture Comparison) to ***Event Types or Alarm Categories*** .
22. Added three event message examples, i.e., ***Access Control Event Message*** , ***ANPR Event Message*** , and ***Face Comparison Event Message*** to the "data" parameter of ***Event Message Format*** .
23. Extended the resource capability (***Resource Capability***): added the capability of managing organizations, face comparison groups, and faces.

Summary of Changes in Version 1.5.1_Oct., 2019

1. Added an API to get the root organization's information: ***POST /artemis/api/resource/v1/org/rootOrg*** .
2. Added an API to get the lower-level organization list by parent organization: ***POST /artemis/api/resource/v1/org/parentOrgIndexCode/subOrgList*** .
3. Added an API to get organization list: ***POST /artemis/api/resource/v1/org/orgList*** .
4. Added an API to search for organizations by condition: ***POST /artemis/api/resource/v1/org/advance/orgList*** .
5. Added an API to add a person: ***POST /artemis/api/resource/v1/person/single/add*** .
6. Added an API to edit the information of a person: ***POST /artemis/api/resource/v1/person/single/update*** .
7. Added an API to delete a person: ***POST /artemis/api/resource/v1/person/single/delete*** .
8. Added an API to get face comparison group list: ***POST /artemis/api/frs/v1/face/groupList*** .
9. Added an API to search for face comparison groups: ***POST /artemis/api/frs/v1/face/group*** .
10. Added an API to apply person information to device: ***POST /artemis/api/visitor/v1/auth/reapplication*** .
11. Extended the data type of person information (***PersonInfo*** ; related APIs: ***POST /artemis/api/resource/v1/person/personList*** , ***POST /artemis/api/resource/v1/person/personId/personInfo*** , and ***POST /artemis/api/resource/v1/person/advance/personList***): added a parameter "orgIndexCode" (organization ID).
12. Extended the resource capability ***Resource Capability*** : added the following capabilities: get or search organizations, manage persons, get and search face comparison groups, and apply person information to device.

Summary of Changes in Version 1.5.0_Sept., 2019

New document.

Chapter 2 Getting Started

2.1 Installation

The Open Platform can be installed with the HikCentral Professional in a same computer or server (i.e., centralized mode) or in different computers or servers (i.e., distributed mode).

Before You Start

- Make sure you have prepared the proper system environment and installed the HikCentral Professional.



The compatible versions include version 2.0/2.1/2.2 of HikCentral Professional and version 1.0/1.1 of HikCentral Professional Access Control.

- Make sure you have enabled the License of Third-Party Integration function, see details in the figure below.

The screenshot shows a 'License Details' window with a close button (X) in the top right corner. Below the title bar, there are three tabs: 'License Details' (selected), 'License List', and 'License Expiry Date : 2021-01-'. The main content is a table with two columns: 'Authorization Details' and 'Details'. The 'Third-Party Integration' row is highlighted with a red border.

| Authorization Details | Details |
|--------------------------------|----------------|
| Queue Analysis | Enabled |
| People Counting | Enabled |
| Heat Analysis | Enabled |
| Hik-Connect | Enabled |
| Smart Wall (Graphic Card) | Enabled |
| Person Feature Analysis | Enabled |
| Pathway Analysis | Enabled |
| Third-Party Integration | Enabled |
| Archive Search | Enabled |
| Visual Tracking | Enabled |
| Evidence Collection | Enabled |
| Visitor | Enabled |
| Video Intercom | Enabled |
| Entrance & Exit | Enabled |

Figure 2-1 Enable License of Third-Party Integration

Steps

1. Run the executable program HikCentral Professional_OpenAPI.exe as an administrator to enter the welcome panel of the InstallShield Wizard.
2. Click **Next** to start the InstallShield Wizard.
3. Read the License Agreement.
 - Click **I accept the terms of the license agreement** and continue.
 - Click **I do not accept the terms of the license agreement** to cancel the installation.
4. Click **Next**.
5. Perform one of the following operations according to the centralized or distributed installation mode.



If the event or alarm uploading frequency is larger than 100 times per second, you should adopt the distributed installation mode.

- For centralized installation mode, click **Next** to continue.



The default directory C:\Program Files (x86)\HikCentral Professional\VSM Servers\OpenAPI is used.

- For distributed installation mode, click **Change...** and select a proper directory as desired to install the Open Platform.

6. Click **Next** to continue.
7. Read the pre-install information, and click **Install** to begin the installation.
A panel indicating progress of the installation displays.
8. Read the post-install information and click **Finish** to complete the installation.

Four services, i.e., OpenAPI Translation Service, artemis, artemis-web, and artemis-portal, are generated. And the following documents and software development kits will appear under the installation directory.

| Folder Name | File | Description |
|-------------|---|---|
| Document | HikCentral Professional OpenAPI Developer Guide | Provide the RESTful APIs for integrating different functions. |
| WebSDK | HCVideoSDKWebControl HikCentral Professional Video WebSDK Developer Guide Demos | Provide the APIs, introductions, and sample codes for developing a video player on the web browser. |
| C++SDK | HCVideoSDK HikCentral Professional Video SDK (C++) Developer Guide | Provide the APIs using C++ language, introductions, and sample codes for playing video and audio. |

| Folder Name | File | Description |
|----------------|--|---|
| | HCVideoSDKDemo | |
| C#SDK | HikCentral Professional Video SDK (C#) Demo User Manual C#HCSDKDemo | Provide the APIs using C# language, introductions, and sample codes for playing video and audio. |
| C++HttpUtlilib | HttpUtlilib DLL HikCentral Professional OpenAPI Security Authentication Library (C++) Developer Guide HttpUtlilib Demo | Encapsulate the POST methods of HTTP/HTTPS and provide a unified access of OpenAPI to communicate with gateway based on HTTP. |
| jsDecoder | jsDecoder SDK HikCentral Professional Video jsDecoder SDK Developer Guide jsDecoder SDK Demo and User Manual | Provide a no plug-in solution to play video via web browser. |


2.2 Configuration

After installing the services of Open Platform, some configurations should be done to make it running normally. Especially for the distributed installation mode, the service certificate must be authenticated. And also, switching the integration mode of HikCentral Professional and enabling the Open Platform are required.

2.2.1 Authenticate Service Certificate

If the installation of Open Platform services and HikCentral Professional services adopts the distributed mode, before using the services, the security certificate must be authenticated.

Steps

1. Log in to the HikCentral Professional via the Web Client, refer to *HikCentral Professional Web Client User Manual* for details.
2. Select  → **System Configuration** → **Security** → **Service Component Certificate** .

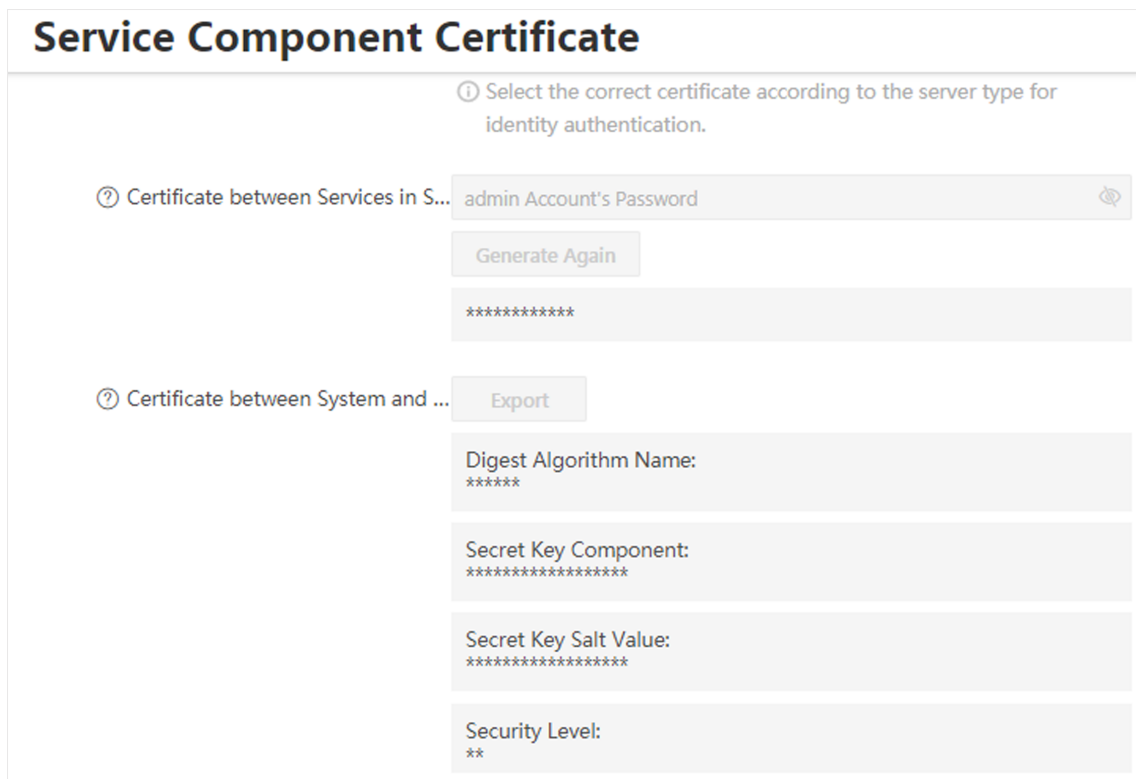



Figure 2-2 View Service Certificate

3. View and get the service certificate information in the **Certificate between Services in System** field.
4. Run the Service Manager as an administrator.
5. Click **Security Certificate** to open Enter Certificate Information dialog.
6. Enter the obtained service certificate information in the dialog.
7. Click **OK**.

2.2.2 Enable Open Platform

By default, the Open Platform is disabled. So before the integration, you must enable it in the HikCentral Professional Web Client.

Steps

1. Log in to the HikCentral Professional via the Web Client, refer to *HikCentral Professional Web Client User Manual* for details.
2. Select  → **System Configuration** → **Third-Party Integration** → **Open API** .
3. Switch **Open API** to on.

Open API

Open API

*IP Address

*Management Port

Partner User

▼ All Users

admin

Figure 2-3 Enable Open Platform Page

4. Enter the IP address of Open Platform and the management port No.

 **Note**

The default management port No. is 8208.

5. Check the checkbox to select a partner user.
6. Click **Save**.

2.3 Run Open Platform

After installing the services and configuring the Open Platform, you can run it and create a partner for further integration.

Steps

1. In the address bar of the web browser, enter the address of ***https://IPaddress/artemis-web*** and press **Enter** key.



Figure 2-4 Open Platform Login Page

2. Click **log in** tab to switch to login page.
3. Enter user name and password.

Note

The user names of Open Platform and HikCentral Professional are independent, the default user name of Open Platform is "**admin**", and the initial password is "**admin@123**". For the first time login, you must change the password.

4. Click **log in** to log in to the Open Platform.
5. Create a partner.
 - 1) Click **Partner Management** at the left panel.
 - 2) Click **Create a partner** to enter Create Partner panel.

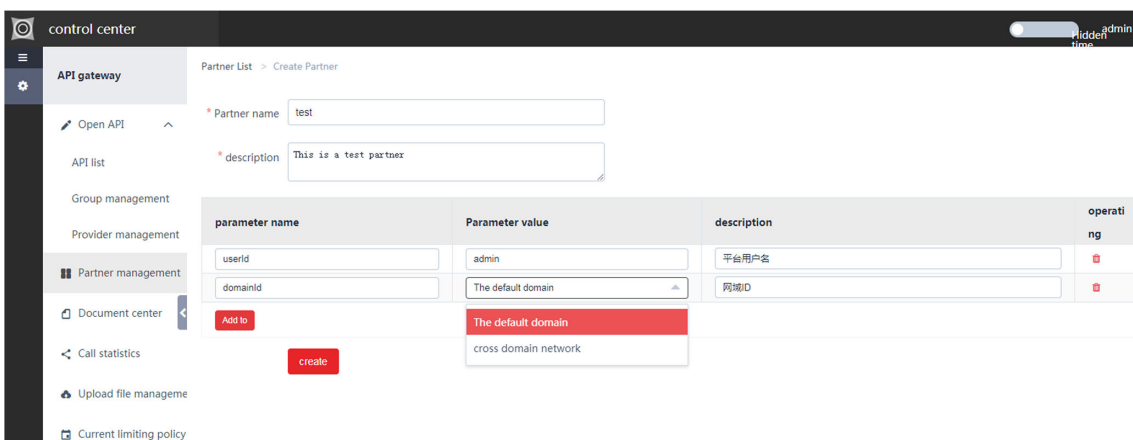


Figure 2-5 Create Partner Page

- 3) Enter the partner name and description.
- 4) **Optional:** Add extension fields to the partner.

Note

If the domains of the third-party platform and HikCentral Professional are different, you should add an extension field to set the domain information.

- 5) Click **Create** to save the added partner information.

The created partner displays on the Partner Management panel. Click on the partner name to view the details, including APPkey and APPsecret, which are for authentication and marking the encrypted request.

- 6) Select a partner and click **Authentication** in the operating column of the selected partner item.

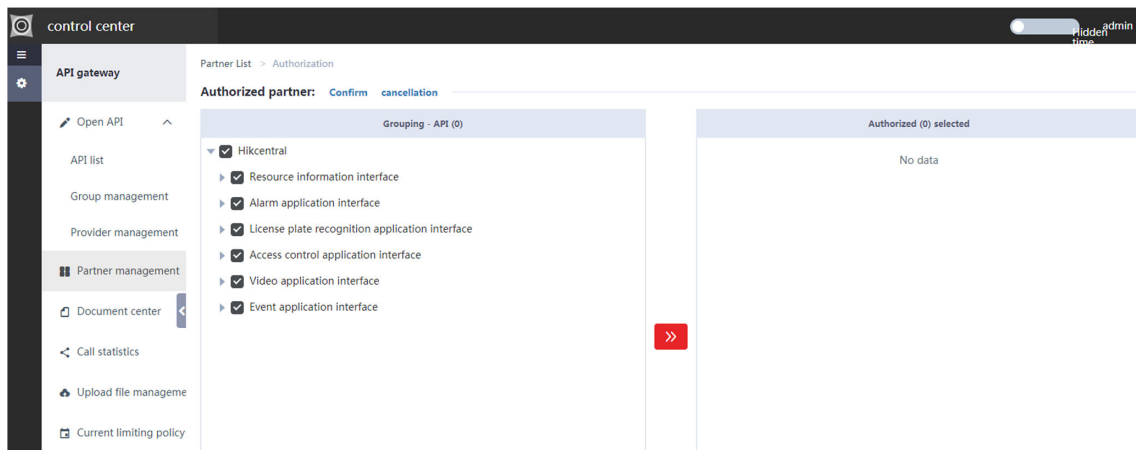


Figure 2-6 Assign Permission to Partner Page

- 7) Select permission(s) to be assigned.

- 8) Click  to assign the selected permissions to the partner.

6. Optional: Perform the request URL test.

- 1) Click **API List** at the left panel of Open Platform.

- 2) Select **URL** and click **Online Debug** at the right panel to enter debug page.

Note

The third-party partner should enter the debug page via the web site ***https://IPaddress/artemis-portal***.

- 3) Enter the request URL, request parameters, and authentication information (the APPkey and APPsecret are returned after creating partner) to start the test.

If the request URL is available, the corresponding response message will be returned.

Chapter 3 Protocol Summary

3.1 Request and Response Rule

3.1.1 Request

The request for executing a task contains HTTP method, request URL, and request message.

HTTP Method

The POST method is used to execute different tasks in this manual.

Request URL

The format of request URL is defined as "<protocol>://<serverAddress>[:serverPort][absolutePath?[query]]". For example, `https://10.26.31.41:443/artemis/api/example?qa=value1&qb=value2&qc=value3`.

protocol

Required, protocol type, here in this manual, it always be "https".

serverAddress

Required, domain name or IP address of the platform, i.e., "10.26.31.41" in the above URL example.

serverPort

Optional, web access port No. of the platform, i.e., "403" in the above URL example. If this field is not configured, it will use the default port No.

absolutePath

Required, the absolute path of resources for identifying, and it is a part of URI (Uniform Resource Identifier), i.e., "/artemis/api/example" in the above URL example.

query

Optional, parameters for describing the resource, and it is the other part of URI (Uniform Resource Identifier), i.e., "qa", "qb", and "qc" in the above URL example.

Note

The URI is a uniform resource identifier for distinguishing different resource types, which consists of **absolutePath** and **query**, i.e., "/artemis/api/example?qa=value1&qb=value2&qc=value3" in the above URL example. Sometime, the URI will replace the URL to simplify the description.

Request Message

The request message is in JSON format and encoded by UTF-8 rule. It consists of multiple input parameters, and the parameters are named by camel case.

3.1.2 Response

The response returned after calling API contains response message and status or error code.

Response Message

The response message is in JSON format and encoded by UTF-8 rule. It consists of multiple output parameters, and the parameters are named by camel case, refer to the parameter description below.

| Parameter | Required/Optional | Data Type | Description |
|-----------|-------------------|-----------|--|
| code | Required | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details); its maximum length is 32 bits. |
| msg | Required | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. |
| data | Required | / | The data details vary in different request URLs. |

Status or Error Code

The status or error code will be returned in the response message. If succeeded, the status code is "0"; and if failed, the error codes vary in different error types, refer to ***Status or Error Code*** for details.

Example

Response of Calling Succeeded

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "streamURL": "rtsp://10.2.145.66:655/EUrl/CLJ52BW"
  }
}
```

Example

Response of Calling Failed

```
{
  "code": "0x02401006",
  "msg": "Token Exception.",
  "data":""
}
```

Example

Response of Single Data Item

```
{
  "code": "0",
  "msg": "xxxxxx",
  "data": {
    "userId": "xxxxxx",
    "name": "xxxxxx",
    ...
  }
}
```

Example

Response of Paged Batch Data

```
{
  "code": "0",
  "msg": "xxxxxx",
  "data": {
    "total": 5,
    "pageSize": 20,
    "pageNo": 1,
    "list": [
      {
        "userId": "xxxxxx",
        "name": "xxxxxx",
        ...
      },
      {
        "userId": "xxxxxx",
        "name": "xxxxxx",
        ...
      }
    ]
  }
}
```

Example

Response of Batch Data without Paging

```
{
  "code": "0",
  "msg": "xxxxxx",
  "data": {
    "total": 5,
    "list": [
      {
        "userId": "xxxxxx",

```

```
"name": "xxxxxx",  
...  
},  
{  
  "userId": xxxxxx,  
  "name": "xxxxxx",  
  ...  
}]  
}  
}
```

3.2 Signature and Authentication

The APIs in this document use AK/SK digest authentication, the AK/SK is generated by the gateway.

Signature String

The signature string before calculating consists of HTTP method, headers, and URI, which is defined as below.

```
HTTP METHOD "\n"  
Accept "\n"  
Content-MD5 "\n"  
Content-Type "\n"  
Date "\n"  
Headers  
Uri
```

HTTP METHOD

The HTTP method must be upper-case, e.g., "POST".

Accept

Setting Accept header is suggested. As for some HTTP clients, if Accept is not configured, the default value: */* will automatically be assigned to it, which may cause the failure of signature verification.

Content-MD5

The Content-MD5 is the value of digest calculated by MD5 algorithm in the request body and processed by BASE64 algorithm, and the body must be on non-form format. E.g., String content-MD5=Base64.encodeBase64(MD5(bodyStream.getBytes("UTF-8"))).

Content-Type

Content format, such as "text/plain", "text/xml", and "text/json".

Date

Signature date and time.

Headers

The headers consists of X-Ca-Key, X-Ca-Signature, X-Ca-Signature-Headers, X-Ca-Timestamp, X-Ca-Nonce, and other custom headers. A value will be assigned to each header, the format is "header:value\n", in which, the header should be in lower-case and there is no space at front and behind of the value, also, it should end with "\n". For headers in a list, they should be sorted alphabetically.

X-Ca-Key

Required, appKey or appSecret for authentication and it should be obtained by contacting our technical supports.

Make sure the appKey or appSecret is properly kept. Otherwise, please reset it and get a new one.

X-Ca-Signature

Required, signature string.

X-Ca-Signature-Headers

Required, a lower-case name string of headers that will be calculated in the signature. The names in the string will be sorted alphabetically and each two names are separated by comma. E.g., x-ca-signature-headers:x-ca-key,x-ca-timestamp.



The following headers will not be calculated in the signature: X-Ca-Signature, X-Ca-Signature-Headers, Accept, Content-MD5, Content-Type, Date, Content-Length, Server, Connection, Host, Transfer-Encoding, X-Application-Context, and Content-Encoding.

X-Ca-Timestamp

Optional, time stamp of calling API, the value equals to the number of milliseconds calculated from 00:00:00 on 1st., Jan., 1970 to the current time. E.g., x-ca-timestamp:1550153182830.

X-Ca-Nonce

Optional, UUID generated when calling API, which is used with the time stamp for anti-replay.

Uri

Uniform resource identifier, which consists of resource absolute path and query parameters, e.g., "/artemis/api/example?qa=value1&qb=value2&qc", or "/artemis/api/example".



Each header should end with "\n", but if the Accept, Content-MD5, Content-Type, or Date header does not exist, "\n" is not required.

The following shows the example of signature string before calculating.

```
POST \n
*/* \n
dGhpcyBpcyBhIGV4YW1wbGU= \n
text/plain;charset=UTF-8 \n
Thu, 24 Nov 2016 03:12:25 GMT \n
```



```
a-header:value \n
b-header:value \n
x-ca-key:1231243298 \n
x-ca-timestamp:1479956865000 \n
/artemis/api/example?a-bodyform=value&a-query=value&b-query=value
```

Signature Calculation

1. Calculate the signature string by HmacSHA256 algorithm with the appKey or appSecret to generate message digest.
2. Calculate the message digest by BASE64 algorithm to generate the signature.



Note

During the signature calculation, the encoding format is UTF-8.

The following shows the JAVA sample code of signature calculation:

```
Mac hmacSha256 = Mac.getInstance("HmacSHA256");
byte[] keyBytes = secret.getBytes("UTF-8");
hmacSha256.init(new SecretKeySpec(keyBytes, 0, keyBytes.length, "HmacSHA256"));
String sign = new String(Base64.encodeBase64(Sha256.doFinal(stringToSign.getBytes("UTF-8")), "UTF-8"));
```

Signature Transfer and Authentication

The signature must be transmitted in the request header, see details in the sample code below.

```
/*request URL*/
http://www.example.com/artemis/api/example?qa=a&qb=B
/*HTTP method*/
POST
/*headers*/
Accept: */*
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8
Connection: keep-alive
Content-Length: 0
Content-Type: text/plain; charset=UTF-8
Cookie: JSESSIONID=D9C4A515CACAC31211D1612039D062B7
header-A: A
header-B: b
X-Ca-Key: 29666671
X-Ca-Signature: XeBEg2Ifh+FOfeProHLMYz8luWkJ00Exx7N7tJuats8=
X-Ca-Signature-Headers: header-a,header-b,x-ca-key,x-ca-timestamp
X-Ca-Timestamp: 1479968678000
X-Requested-With: XMLHttpRequest
/*query parameters*/
qa:a
qb:B
/*signature string*/
POST\n
*/*\n
text/plain; charset=UTF-8\n
```

```
header-a:A\n
header-b:b\n
x-ca-key:29666671\n
x-ca-timestamp:1479968678000\n
/artemis/api/example?a-body=a&q=a&q=b=B&x-body=x
/*signature information*/
XeBEg2Ifh+FOfeProHLMYz8luWkJ00Exx7N7tJuats8=
```

Example

Sample Flow of Signature and Authentication

Note: The following red text represent the annotation.

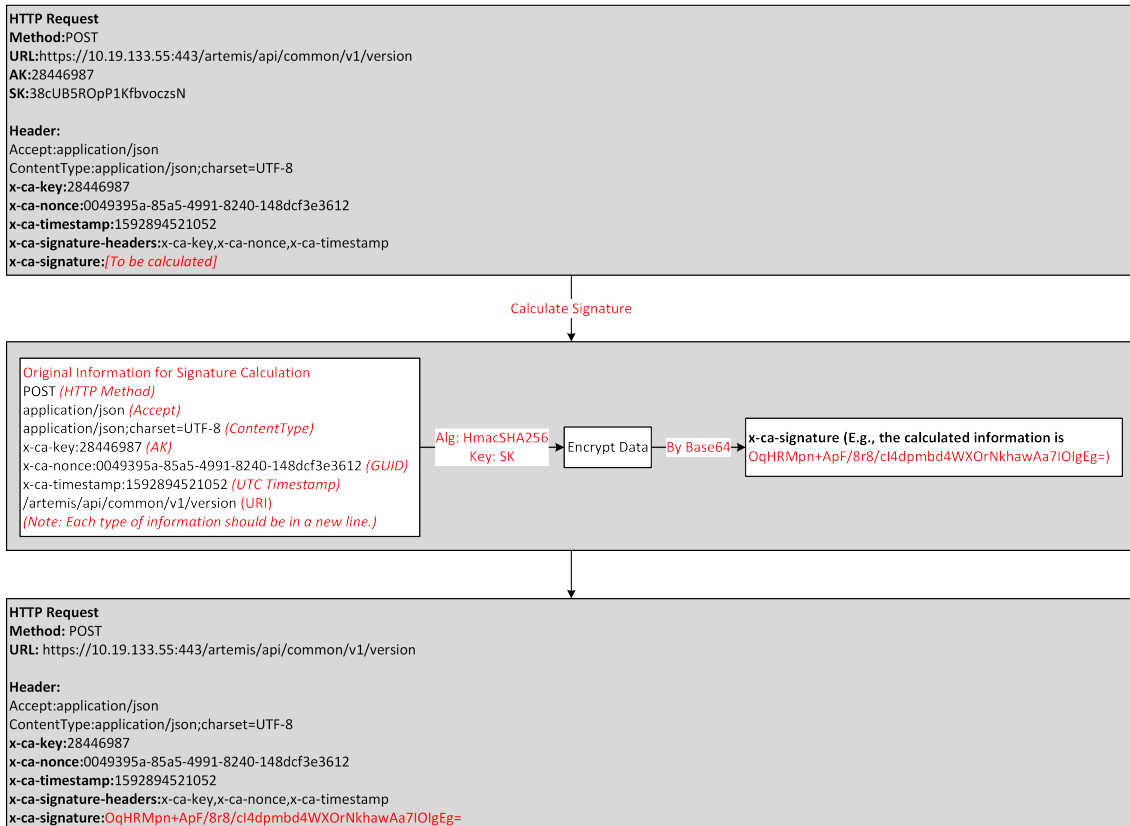


Figure 3-1 Calculate Signature and Authenticate

Chapter 4 Typical Applications

4.1 Manage Resources

To operate and control resource points, you must know some basic information of the resource points. Here provides some APIs to search, manage, and get the information of different resource points, such as encoding devices, access control device, cameras, sites, areas, vehicles, access points, persons, organizations, and so on.

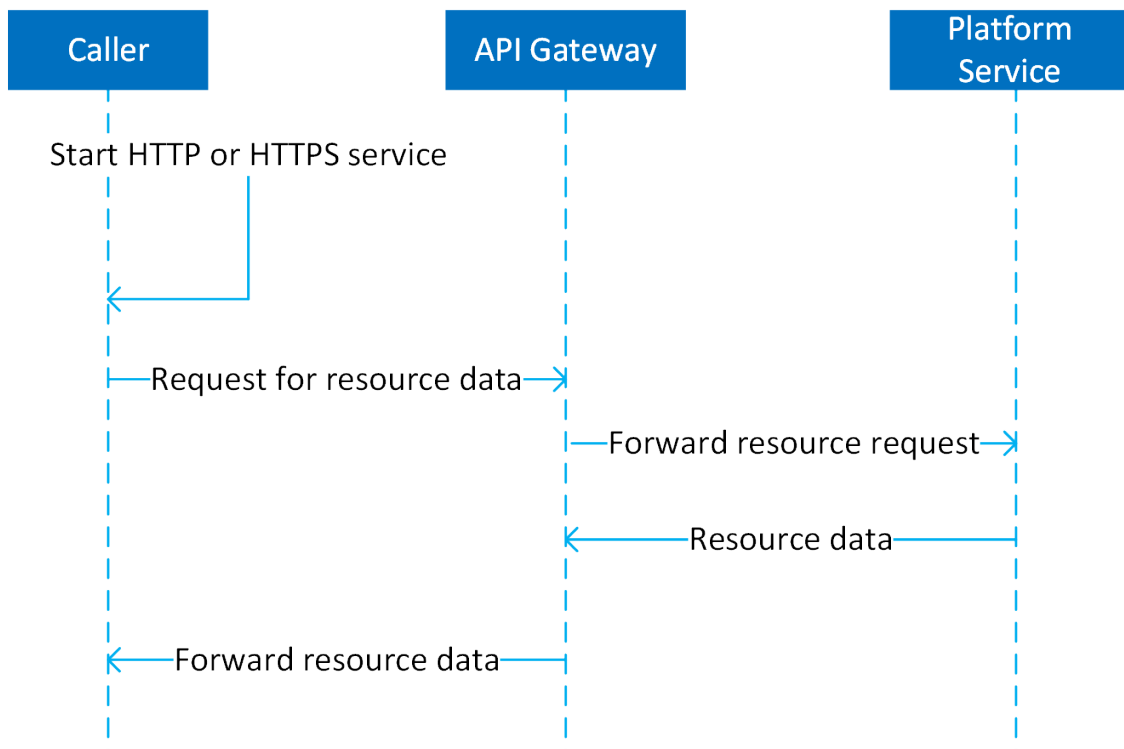


Figure 4-1 Sequence Diagram of Getting Resource Information

4.1.1 Get Physical Resources' Information

Get the information of encoding devices, access control devices, Streaming Servers, Recording Servers, System Management Servers, and DeepinMind Servers.

Table 4-1 Encoding Device

| Function | API |
|--|--|
| Get encoding device list | <u><i>POST /artemis/api/resource/v1/encodeDevice/encodeDeviceList</i></u> |
| Get an encoding device's information | <u><i>POST /artemis/api/resource/v1/encodeDevice/indexCode/encodeDeviceInfo</i></u> |
| Search for encoding devices by condition | <u><i>POST /artemis/api/resource/v1/encodeDevice/advance/encodeDeviceList</i></u> |

Table 4-2 Access Control Device

| Function | API |
|--|--|
| Get access control device list | <u><i>POST /artemis/api/resource/v1/acsDevice/acsDeviceList</i></u> |
| Get an access control device's information | <u><i>POST /artemis/api/resource/v1/acsDevice/indexCode/acsDeviceInfo</i></u> |
| Search for access control devices by condition | <u><i>POST /artemis/api/resource/v1/acsDevice/advance/acsDeviceList</i></u> |

Table 4-3 Streaming Server

| Function | API |
|---------------------------|--|
| Get Streaming Server list | <u><i>POST /artemis/api/resource/v1/streamServer/streamServerList</i></u> |

Table 4-4 Recording Server

| Function | API |
|---|--|
| Get Recording Server list | <u><i>POST /artemis/api/resource/v1/recordServer/recordServerList</i></u> |
| Get information of a Recording Server | <u><i>POST /artemis/api/resource/v1/recordServer/indexCode/recordServerInfo</i></u> |
| Get storage status of cameras linked to a specific Recording Server | <u><i>POST /artemis/api/resource/v1/recordServer/recordStatus</i></u> |

Table 4-5 System Management Server

| Function | API |
|---|---|
| Get information of the System Management Server | <u><i>POST /artemis/api/resource/v1/videoManagementServer</i></u> |

Table 4-6 DeepinMind Server

| Function | API |
|----------------------------|---|
| Get DeepinMind Server list | <u><i>POST /artemis/api/resource/v1/intelligentServer/intelligentServerList</i></u> |

Table 4-7 Mobile Device

| Function | API |
|---|---|
| Get the mobile device list in page | <u><i>POST /artemis/api/resource/v1/mobileDevice/mobileDeviceList</i></u> |
| Get the information of a mobile device by device ID | <u><i>POST /artemis/api/resource/v1/mobileDevice/indexCode/mobileDeviceInfo</i></u> |
| Search the mobile device list | <u><i>POST /artemis/api/resource/v1/mobileDevice/advance/mobileDeviceList</i></u> |

4.1.2 Get Logical Resources' Information

You can get the information of sites, areas, cameras, organizations, access points, vehicles, persons, face comparison groups, faces, alarm inputs/outputs, and visitors.

Table 4-8 Site

| Function | API |
|-------------------------------|---|
| Get site list | <u><i>POST /artemis/api/resource/v1/site/siteList</i></u> |
| Get a site's information | <u><i>POST /artemis/api/resource/v1/site/indexCode/siteInfo</i></u> |
| Search for sites by condition | <u><i>POST /artemis/api/resource/v1/site/advance/siteList</i></u> |

Table 4-9 Area

| Function | API |
|--|---|
| Get area list of a parent area by area No. | <u>POST /artemis/api/resource/v1/regions/subRegions</u> |
| Get an area's information by area No. | <u>POST /artemis/api/resource/v1/region/indexCode/regionInfo</u> |
| Search for areas by condition | <u>POST /artemis/api/resource/v1/regions</u> |

Table 4-10 Camera

| Function | API |
|---|---|
| Get camera list of an area by area No. | <u>POST /artemis/api/resource/v1/cameras</u> |
| Get a camera's information by camera ID | <u>POST /artemis/api/resource/v1/cameras/indexCode</u> |
| Get cameras' information in page | <u>POST /artemis/api/resource/v1/cameras</u> |
| Search for cameras by condition | <u>POST /artemis/api/resource/v1/camera/advance/cameraList</u> |

Table 4-11 Organization

| Function | Description |
|--|---|
| Get root organization information | <u>POST /artemis/api/resource/v1/org/rootOrg</u> |
| Get information list of lower-level organizations by parent organization | <u>POST /artemis/api/resource/v1/org/parentOrgIndexCode/subOrgList</u> |
| Get information of an organization | <u>POST /artemis/api/resource/v1/org/orgIndexCode/orgInfo</u> |
| Get information list of all organizations | <u>POST /artemis/api/resource/v1/org/orgList</u> |
| Search for organizations by condition | <u>POST /artemis/api/resource/v1/org/advance/orgList</u> |
| Add an organization | <u>POST /artemis/api/resource/v1/org/single/add</u> |

| Function | Description |
|------------------------------------|--|
| Edit an organization's information | <i><u>POST /artemis/api/resource/v1/org/single/update</u></i> |
| Delete an organization | <i><u>POST /artemis/api/resource/v1/org/single/delete</u></i> |

Table 4-12 Access Point

| Function | API |
|--|--|
| Get access point list of an area by area No. | <i><u>POST /artemis/api/resource/v1/acsDoor/region/acsDoorList</u></i> |
| Get an access point's information | <i><u>POST /artemis/api/resource/v1/acsDoor/indexCode/acsDoorInfo</u></i> |
| Get access points' information in page | <i><u>POST /artemis/api/resource/v1/acsDoor/acsDoorList</u></i> |
| Search for access points by condition | <i><u>POST /artemis/api/resource/v1/acsDoor/advance/acsDoorList</u></i> |
| Get card reader information | <i><u>POST /artemis/api/resource/v1/reader/search</u></i> |

Table 4-13 Vehicle

| Function | API |
|---|--|
| Get vehicle group list | <i><u>POST /artemis/api/resource/v1/vehicleGroup/vehicleGroupList</u></i> |
| Add a vehicle group | <i><u>POST /artemis/api/resource/v1/vehicleGroup/single/add</u></i> |
| Edit a vehicle group's information | <i><u>POST /artemis/api/resource/v1/vehicleGroup/single/update</u></i> |
| Delete a vehicle group | <i><u>POST /artemis/api/resource/v1/vehicleGroup/single/delete</u></i> |
| Get vehicle list | <i><u>POST /artemis/api/resource/v1/vehicle/vehicleList</u></i> |
| Add a vehicle | <i><u>POST /artemis/api/resource/v1/vehicle/single/add</u></i> |
| Edit a vehicle's information | <i><u>POST /artemis/api/resource/v1/vehicle/single/update</u></i> |
| Delete a vehicle | <i><u>POST /artemis/api/resource/v1/vehicle/single/delete</u></i> |
| Get a vehicle's information by vehicle ID | <i><u>POST /artemis/api/resource/v1/vehicle/indexCode/vehicleInfo</u></i> |
| Search for vehicles by condition | <i><u>POST /artemis/api/resource/v1/vehicle/advance/vehicleList</u></i> |

Table 4-14 Vehicle Linked to Mobile Device

| Function | Description |
|--|---|
| Get the list of vehicles linked to mobile devices | <u>POST /artemis/api/resource/v1/mobilevehicle/mobilevehicleList</u> |
| Get the information of a vehicle linked to the mobile device | <u>POST /artemis/api/resource/v1/mobileVehicle/indexCode/mobileVehicleInfo</u> |
| Search the list of vehicles linked to mobile devices | <u>POST /artemis/api/resource/v1/mobilevehicle/advanced/mobilevehicleList</u> |

Table 4-15 Person

| Function | API |
|--|--|
| Get persons' information | <u>POST /artemis/api/resource/v1/person/personList</u> |
| Get a person's information by person ID | <u>POST /artemis/api/resource/v1/person/personId/personInfo</u> |
| Search for persons by condition | <u>POST /artemis/api/resource/v1/person/advance/personList</u> |
| Get person picture | <u>POST /artemis/api/resource/v1/person/picture_data</u> |
| Add a person | <u>POST /artemis/api/resource/v1/person/single/add</u> |
| Edit a person's information | <u>POST /artemis/api/resource/v1/person/single/update</u> |
| Delete a person | <u>POST /artemis/api/resource/v1/person/single/delete</u> |
| Edit information of face linked with person | <u>POST /artemis/api/resource/v1/person/face/update</u> |
| Edit information of fingerprint linked with person | <u>POST /artemis/api/resource/v1/person/fingerPrints/update</u> |
| Get person information according to person ID | <u>POST /artemis/api/resource/v1/person/personCode/personInfo</u> |
| Get the person's custom information | <u>POST /artemis/api/resource/v1/person/customFields</u> |
| Edit the person's custom information | <u>POST /artemis/api/resource/v1/person/personId/customFieldsUpdate</u> |
| Verify the validity of face picture | <u>POST /artemis/api/acs/v1/faceCheck</u> |

Table 4-16 Face Comparison Group

| Function | Description |
|--|--|
| Get information list of face comparison groups | <u>POST /artemis/api/frs/v1/face/groupList</u> |
| Search for face comparison groups | <u>POST /artemis/api/frs/v1/face/group</u> |
| Add a face comparison group | <u>POST /artemis/api/frs/v1/face/group/single/addition</u> |
| Edit information of a face comparison group | <u>POST /artemis/api/frs/v1/face/group/single/update</u> |
| Delete a face comparison group | <u>POST /artemis/api/frs/v1/face/group/batch/deletion</u> |
| Apply face comparison group to device | <u>POST /artemis/api/frs/v1/plan/recognition/black/restart</u> |
| Search for the face comparison information by camera | <u>POST /artemis/api/aiapplication/v1/face/faceMatchRecord</u> |

Table 4-17 Face

| Function | Description |
|--|--|
| Add a face's information | <u>POST /artemis/api/frs/v1/face/single/addition</u> |
| Delete a face's information | <u>POST /artemis/api/frs/v1/face/deletion</u> |
| Search for face information in face comparison group | <u>POST /artemis/api/frs/v1/face</u> |
| Download face picture via URL | <u>POST /artemis/api/frs/v1/application/picture</u> |

Table 4-18 Alarm Input/Output

| Function | Description |
|---|--|
| Get alarm input information according to alarm input ID | <u>POST /artemis/api/resource/v1/alarmInputs/indexCode</u> |
| Get all the alarm input information | <u>POST /artemis/api/resource/v1/alarmInputs</u> |
| Search for alarm input information | <u>POST /artemis/api/resource/v1/alarmInput/advance/alarmInputList</u> |

| Function | Description |
|---|---|
| Get alarm output information according to alarm output ID | <u>POST /artemis/api/resource/v1/alarmOutputs/indexCode</u> |
| Get all the alarm output information | <u>POST /artemis/api/resource/v1/alarmOutputs</u> |
| Search for alarm output information | <u>POST /artemis/api/resource/v1/alarmOutput/advance/alarmOutputList</u> |
| Control alarm output | <u>POST /artemis/api/resource/v1/alarmOutput/controlling</u> |

Table 4-19 Visitor

| Function | Description |
|---|--|
| Add a visitor's reservation record | <u>POST /artemis/api/visitor/v1/appointment</u> |
| Add a visitor's reservation record (v2) | <u>POST /artemis/api/visitor/v2/appointment</u> |
| Edit a visitor's reservation record | <u>POST /artemis/api/visitor/v1/appointment/update</u> |
| Edit a visitor's reservation record (v2) | <u>POST /artemis/api/visitor/v2/appointment/update</u> |
| Delete a visitor's reservation record | <u>POST /artemis/api/visitor/v1/appointment/single/delete</u> |
| Get the list of the reservation records | <u>POST /artemis/api/visitor/v1/appointment/appointmentlist</u> |
| Get the picture of a visitor | <u>POST /artemis/api/visitor/v1/appointment/downloadpicture</u> |
| Add a visitor's information for checking in | <u>POST /artemis/api/visitor/v1/registerment</u> |
| Edit a visitor's information for checking in | <u>POST /artemis/api/visitor/v1/registerment/update</u> |
| Revoke visitor's permission after he/she checks out | <u>POST /artemis/api/visitor/v1/visitor/out</u> |
| Verify the validity of face picture | <u>POST /artemis/api/acs/v1/faceCheck</u> |
| Search for the custom information about visitors | <u>POST /artemis/api/visitor/v1/visitorconfig/customfields</u> |

| Function | Description |
|---|--|
| Search for the information about visitor groups by group name | <u><i>POST /artemis/api/visitor/v1/visitorgroups</i></u> |
| Search for visitors' information by visitor group ID | <u><i>POST /artemis/api/visitor/v1/visitorgroups/groupinfo</i></u> |
| Get the visitor's information by condition | <u><i>POST /artemis/api/visitor/v1/visitor/visitorInfo</i></u> |
| Get the information about a single visitor | <u><i>POST /artemis/api/visitor/v1/visitor/single/visitorinfo</i></u> |

4.2 Get Video and Audio Stream

The OpenAPI can only get the video and audio stream via standard RTSP, it cannot play the video or audio, so you must develop a player via the APIs provided by C++ or C# language SDK, develop a video plug-in on web browser, or adopt the non plug-in solution of JsDecoder to start live view, playback, or two-way audio in Windows operating system.

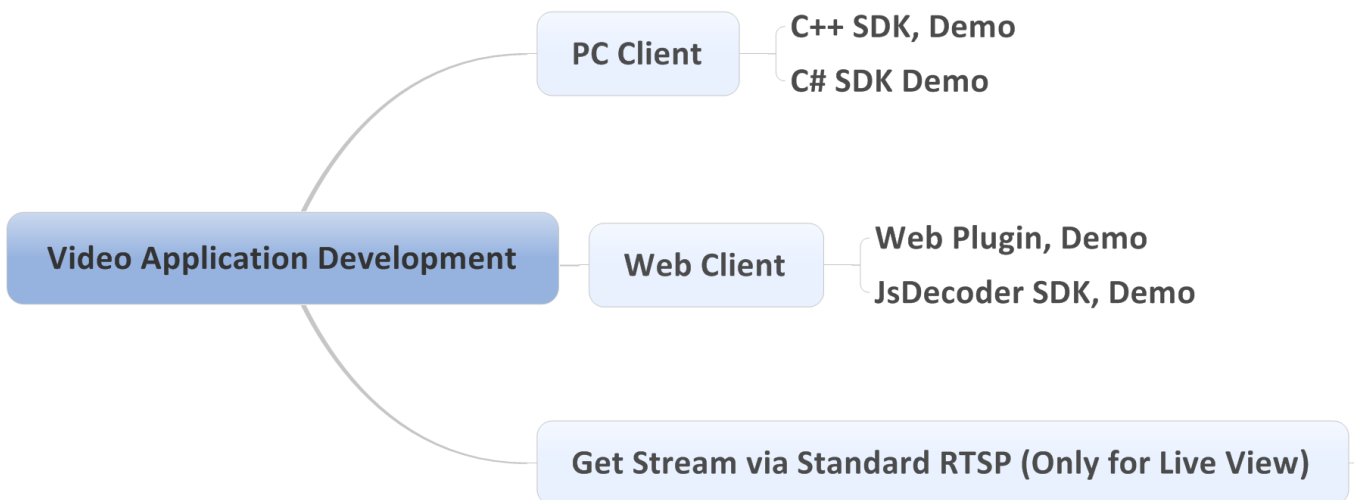


Figure 4-2 Video Application Development

 **Note**

The C++ or C# language SDK, web plug-in, and JsDecoder only supports Windows operating system. And the SDK can implement the functions of live view, playback, PTZ control, capturing, stream callback, and so on, while the web plug-in and JsDecoder only provide live view and playback functions. Refer to the *HikCentral Professional Video SDK (C++) Developer Guide*, *HikCentral Professional Video SDK (C#) Demo User Manual*, *HikCentral Professional Video WebSDK Developer Guide*, and *HikCentral Professional Video JsDecoder SDK_Developer Guide* for details.

Live View

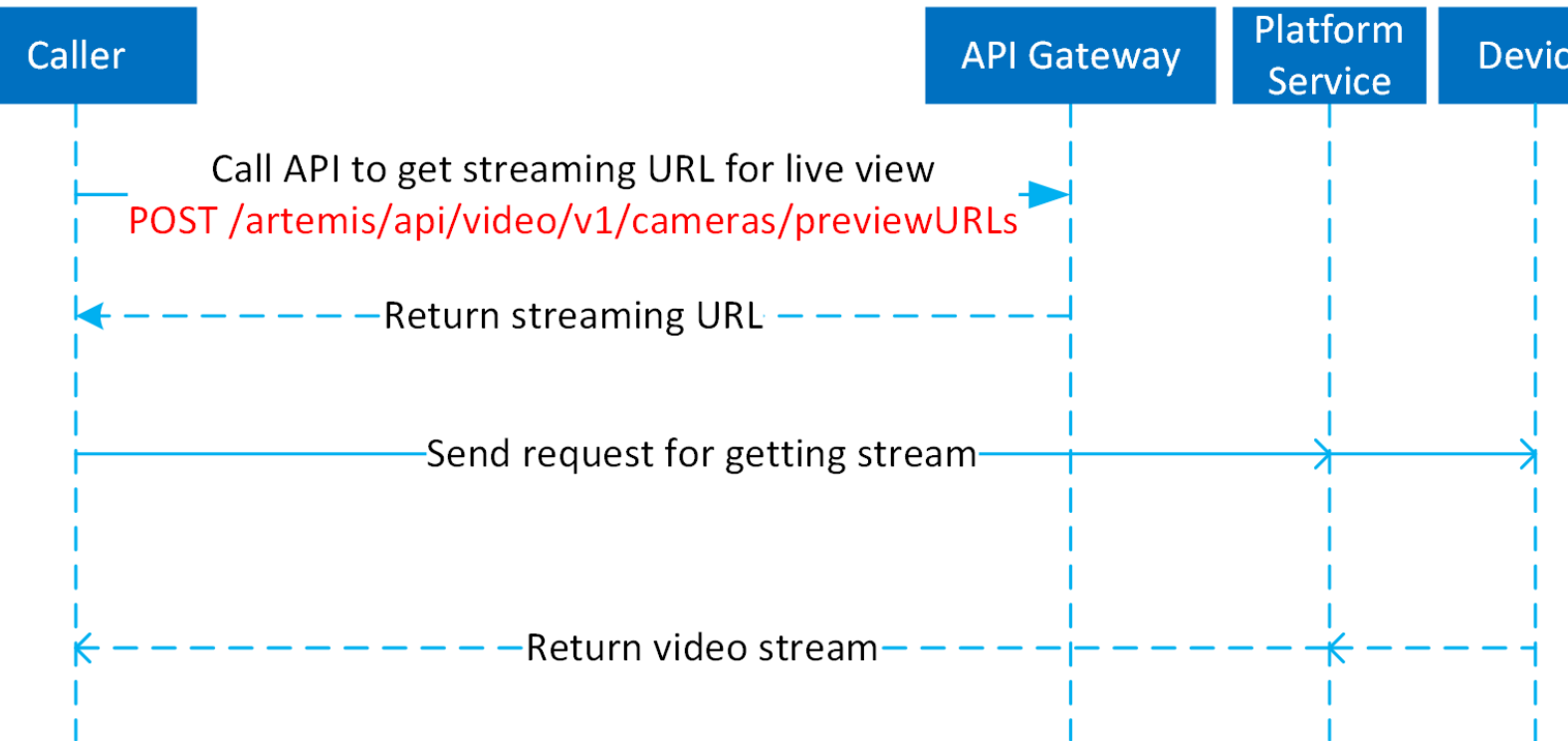


Figure 4-3 Sequence Diagram of Getting Live View Stream

 **Note**

Refer to [*POST /artemis/api/video/v1/cameras/previewURLs*](#) for details.

Playback

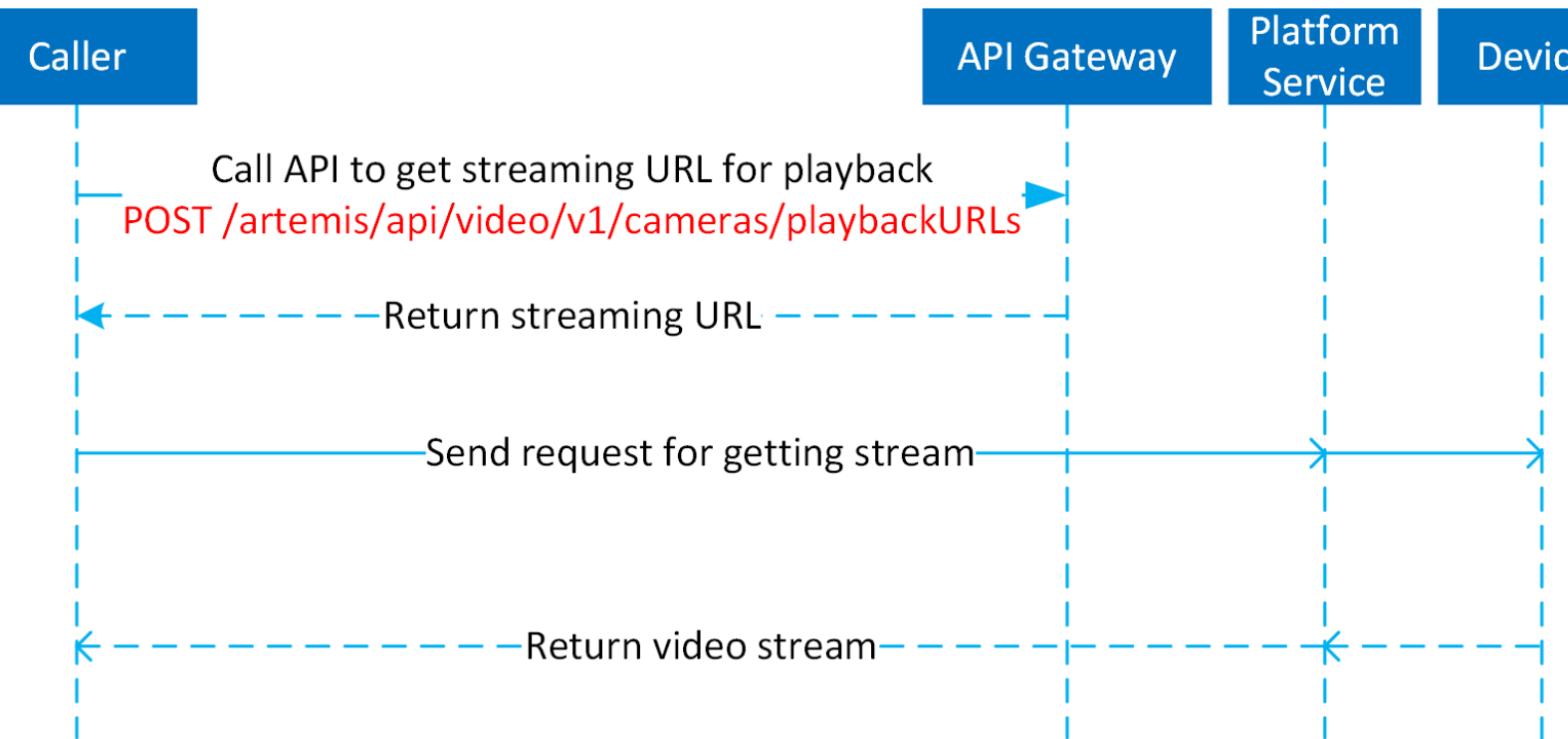


Figure 4-4 Sequence Diagram of Getting Playback Stream



Note

Refer to [*POST /artemis/api/video/v1/cameras/playbackURLs*](#) for details.

Two-Way Audio

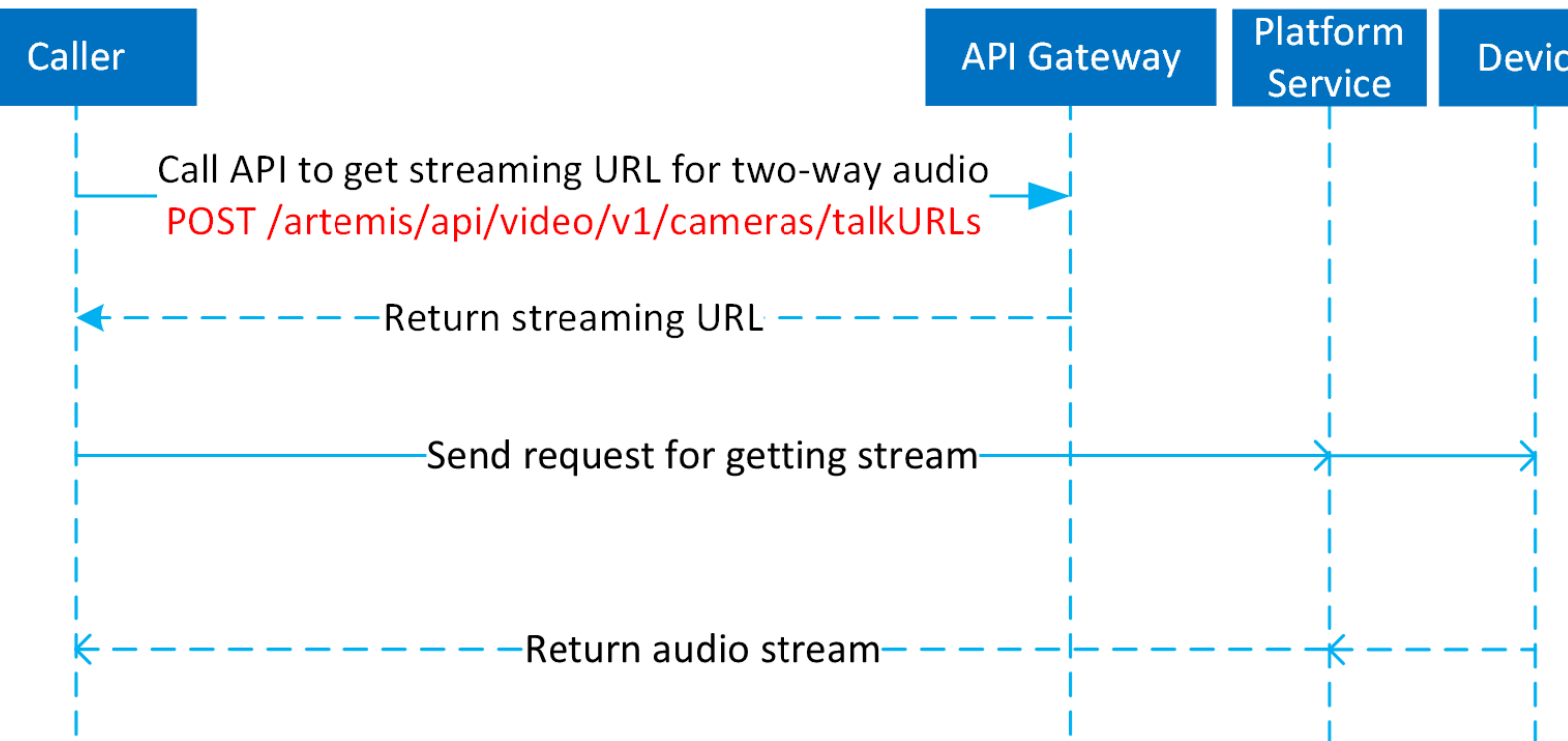


Figure 4-5 Sequence Diagram of Getting Two-Way Audio Stream

Note

Refer to [*POST /artemis/api/video/v1/cameras/talkURLs*](#) for details.

Other Video Applications

| Function | Description |
|---|---|
| Get the list of resource groups | <i>POST /artemis/api/aiapplication/v1/people/advance/resourceGroupList</i> |
| Get the real-time statistics of resource groups | <i>POST /artemis/api/aiapplication/v1/people/resourceGroupRealTimeCount</i> |

4.3 Control PTZ

After adding cameras and start live view in HikCentral Professional, you can call the APIs provided here to control PTZ, manage presets and patrols.

PTZ Control

Call API [***POST /artemis/api/video/v1/ptzs/controlling***](#) .

Preset

| Function | API |
|--------------------|---|
| Search for presets | <i>POST /artemis/api/video/v1/presets/searches</i> |
| Add presets | <i>POST /artemis/api/video/v1/presets/addition</i> |
| Delete presets | <i>POST /artemis/api/video/v1/presets/deletion</i> |

Patrol

| Function | API |
|--|---|
| Search for patrols | <i>POST /artemis/api/video/v1/patrols/searches</i> |
| Add patrols | <i>POST /artemis/api/video/v1/patrols/addition</i> |
| Delete patrols | <i>POST /artemis/api/video/v1/patrols/deletion</i> |
| Get presets' information of a patrol by patrol No. | <i>POST /artemis/api/video/v1/patrols/patrolIndex/patrolInfo</i> |

4.4 Configure Generic Event

Generic event is the signal that resource (e.g., other software, device) sends when something occurs, and can be received in the form of TCP or UDP data packages, which the system can analyze and generate events if they match configured expression. You can customize the expression to create a generic event to analyze the received TCP and/or UDP data packages, and trigger events when specified conditions are met. In this way, you can easily integrate your system with a very wide range of external sources, such as access control systems and alarm systems.

Steps

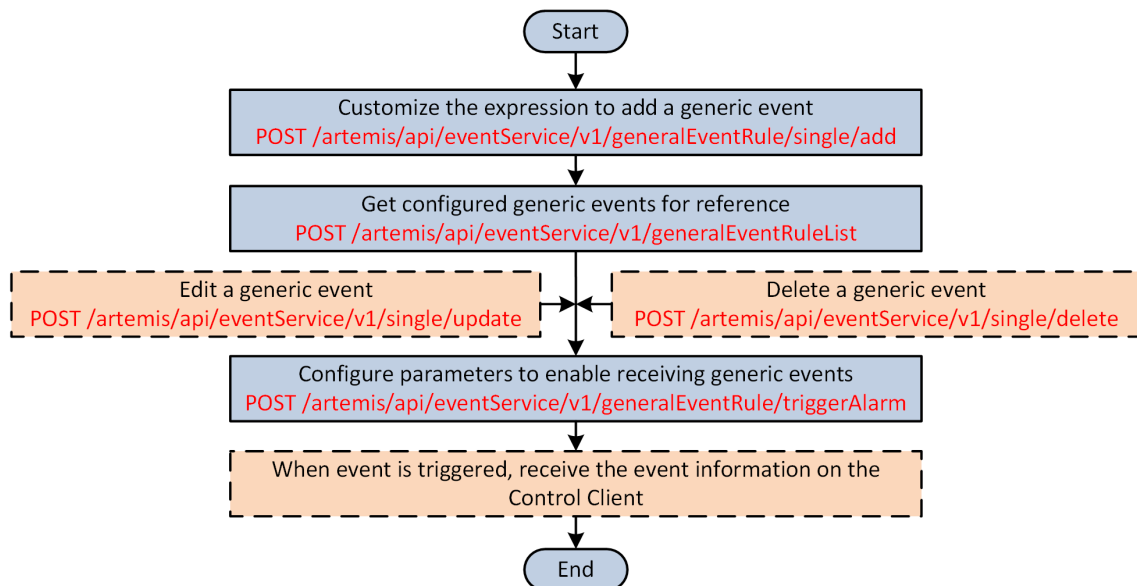


Figure 4-6 API Calling Flow of Configuring Generic Event

1. Call **POST /artemis/api/eventService/v1/generalEventRule/single/add** to customize the expression to add a generic event.
2. Call **POST /artemis/api/eventService/v1/generalEventRule/generalEventRuleList** to get the configured generic events.
3. **Optional:** Perform the following operation(s) after adding a generic event.

| | |
|------------------------|--|
| Edit a generic event | <u>POST /artemis/api/eventService/v1/generalEventRule/single/update</u> |
| Delete a generic event | <u>POST /artemis/api/eventService/v1/generalEventRule/single/delete</u> |
4. Call **POST /artemis/api/eventService/v1/generalEventRule/triggerAlarm** to enable receiving generic events.
5. **Optional:** When event is triggered, receive the generic event information on the Control Client.

4.5 Receive Alarm or Event

Event is a signal that resource (e.g., camera, device, server) sends when something occurs, while alarm is used to notify security personnel of the particular situation which helps handle the situation promptly. To receive alarm or event information, you should first subscribe the event types or alarm categories. When the subscribed type or category of event occurred or alarm is triggered, the platform or service will automatically upload the related information to the caller for processing or acknowledgment.

Steps

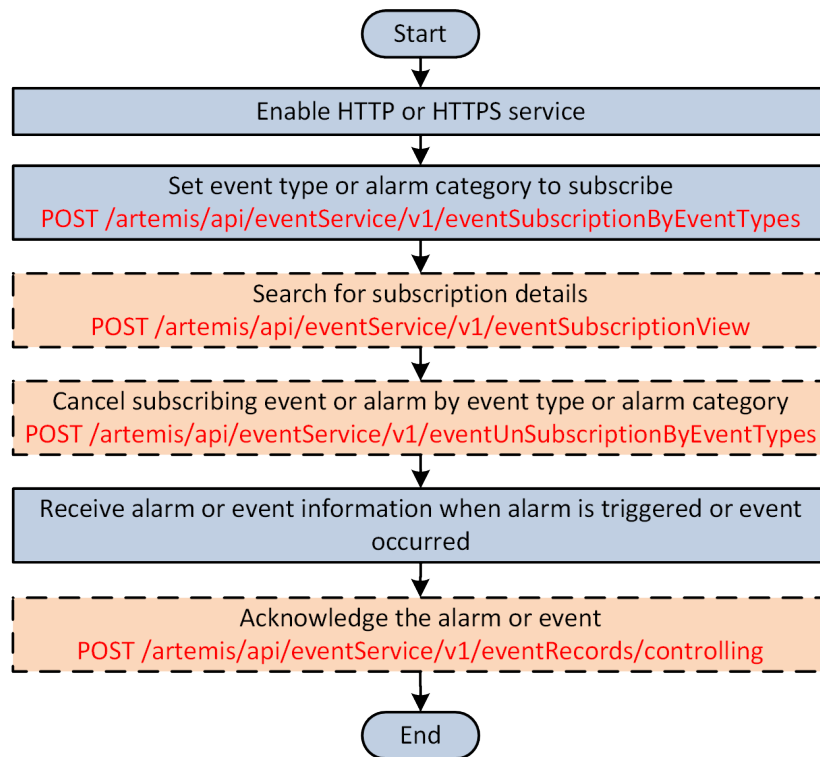


Figure 4-7 API Calling Flow of Receiving Alarm or Event

1. Enable HTTP or HTTPS service.
2. Call ***POST /artemis/api/eventService/v1/eventSubscriptionByEventTypes*** to set event type or alarm category to subscribe.

Note

Multiple event types or alarm categories are available to be subscribed, refer to ***Event Types or Alarm Categories*** for details.

3. **Optional:** Call ***POST /artemis/api/eventService/v1/eventSubscriptionView*** to search for the subscription details of a user.
4. **Optional:** Call ***POST /artemis/api/eventService/v1/eventUnSubscriptionByEventTypes*** to specify the event types or alarm categories to cancel subscribing.
5. Receive alarm or event information when alarm is triggered or event occurred.
6. **Optional:** Call ***POST /artemis/api/eventService/v1/eventRecords/controlling*** to acknowledge the alarm.

Note

The alarm or event receiving and alarm acknowledgment must be in different threads.

4.6 Search for Events and Get Picture

You can search for the received alarms or events by some specific search conditions, such as event type, event source type, start or end time, and so on. If there are pictures contained in the search results, you can get the picture URLs to download the pictures.

Before You Start

Make sure you have subscribed and received the alarms or events.

Steps

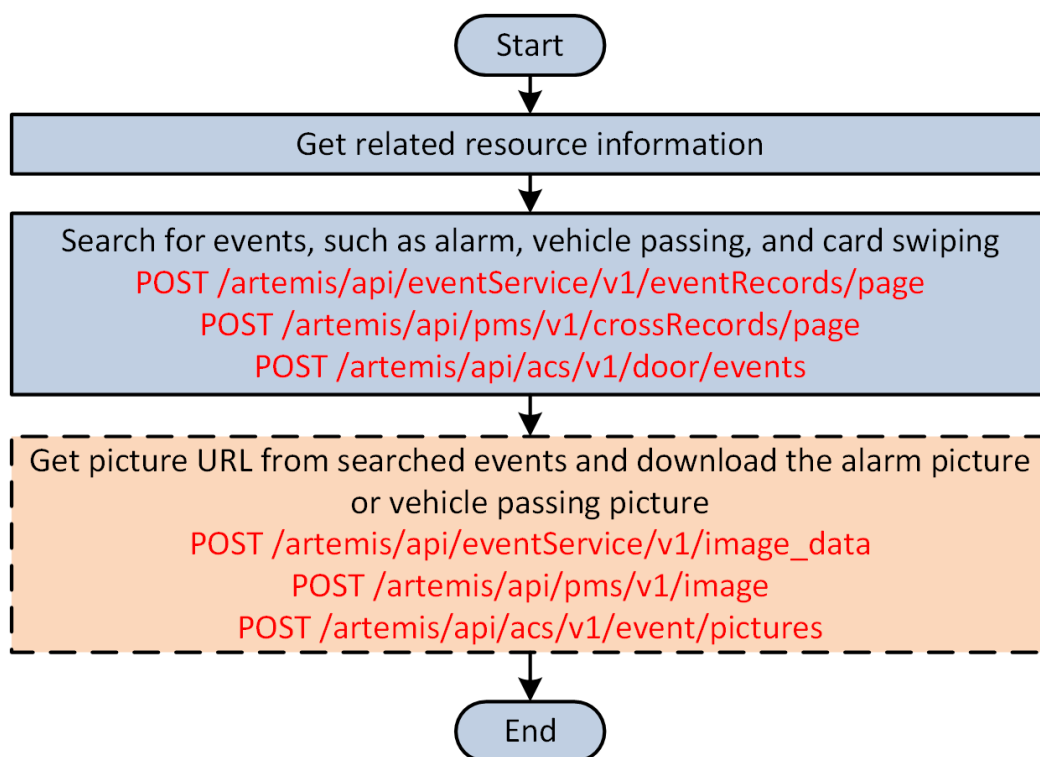


Figure 4-8 API Calling Flow of Searching for Events and Getting Pictures

1. Get related resources information, including cameras, encoding device, and access points, refer to ***Manage Resources*** for details.
2. Perform one of the following operations to search for alarm records, vehicle passing records, and card swiping records.
 - Call ***POST /artemis/api/eventService/v1/eventRecords/page*** to search for alarm records.
 - Call ***POST /artemis/api/pms/v1/crossRecords/page*** to search for vehicle passing records.
 - Call ***POST /artemis/api/acs/v1/door/events*** to search for card swiping records.
3. **Optional:** Get the picture URL from the searched events and perform one of the following operations to download the alarm picture, vehicle passing picture, and access control event picture.

- Call **POST /artemis/api/eventService/v1/image_data** to download the alarm picture according to the obtained picture URL.
- Call **POST /artemis/api/pms/v1/image_data** to download the vehicle passing picture according to the obtained picture URL.
- Call **POST /artemis/api/acs/v1/event/pictures** to download access control event picture according to the obtained picture URL.

4.7 Manage Person's Access Level

In access control, access level is a group of doors and floors. After assigning the access level to certain persons, it defines the access permission that which persons can get access to which doors and floors during the authorized time period. After setting the linkage between access levels and persons, you should apply the persons' access level settings to device to take effect.

Before You Start

- Make sure you have added access levels on the platform. Refer to the *User Manual of HikCentral Professional Web Client* for details.
- Make sure you have add persons. Refer to **Table 4-15** for details.

Steps

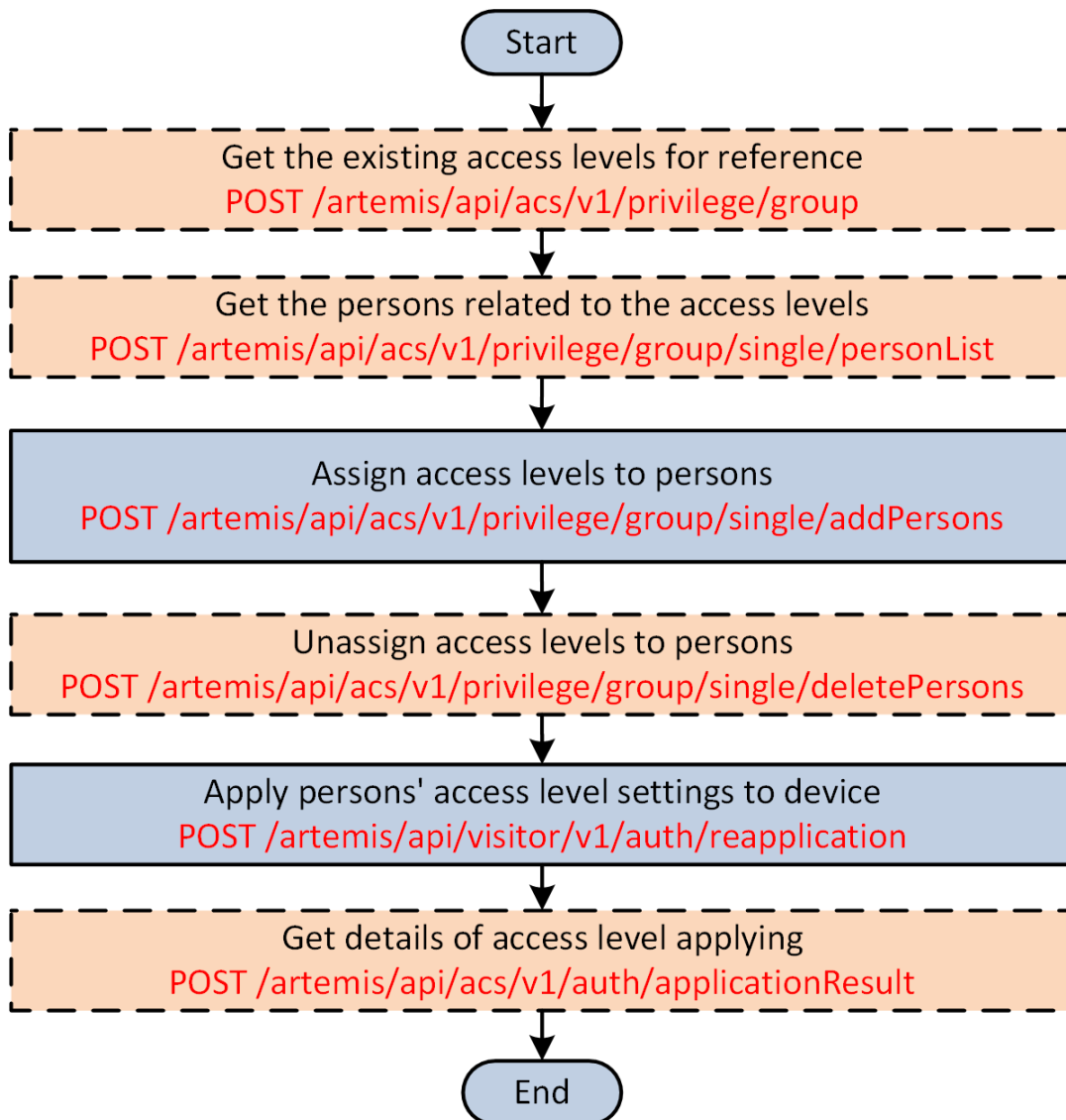


Figure 4-9 API Calling Flow of Managing Person's Access Level

Note

Currently, the parameters of managing persons' access levels must be configured on HikCentral Professional. That is, before managing access levels or applying persons' access level settings to device, you must add persons, add access levels, create access group, and link person group with access group on the platform.

1. **Optional:** Call [*POST /artemis/api/acs/v1/privilege/group*](#) to get the existing access levels for reference.
2. **Optional:** Call [*POST /artemis/api/acs/v1/privilege/group/single/personList*](#) to get the persons related to the access levels for reference.

3. Call **POST /artemis/api/acs/v1/privilege/group/single/addPersons** to assign access levels to the persons.

Note

You can also assign access levels to persons on the platform. Refer to the *User Manual of HikCentral Professional Web Client* for details.

4. **Optional:** Call **POST /artemis/api/acs/v1/privilege/group/single/deletePersons** to unassign access levels to persons.
5. Call **POST /artemis/api/visitor/v1/auth/reapplication** to apply persons' access level settings to device.
6. **Optional:** Call **POST /artemis/api/acs/v1/auth/applicationResult** to get the details of access level applying.

4.8 Control Door Status

You can control the status for a single door, including opening door, closing door, remaining the door open, and remaining the door closed.

Steps

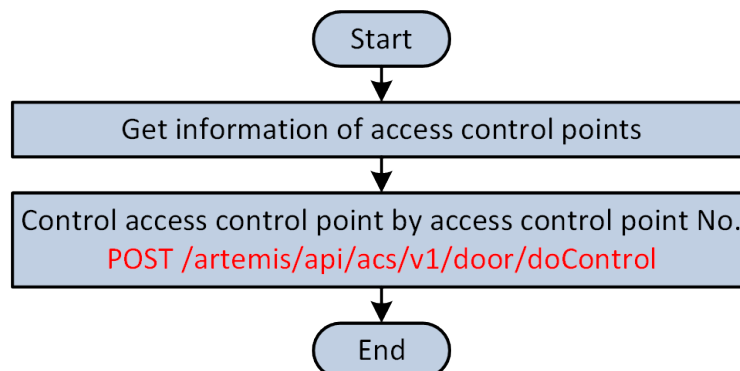


Figure 4-10 API Calling Flow of Controlling Door Status

1. Get door (access point) information, refer to **Manage Resources** for details.
2. Call **POST /artemis/api/acs/v1/door/doControl** to control the status of a single door.

4.9 Manage Vehicle Parking

You can manage the vehicles in the parking lots, including searching for vehicle passing records, getting the real-time occupancy of parking spaces, and searching for vehicle parking records.

Search for Vehicle Passing Records

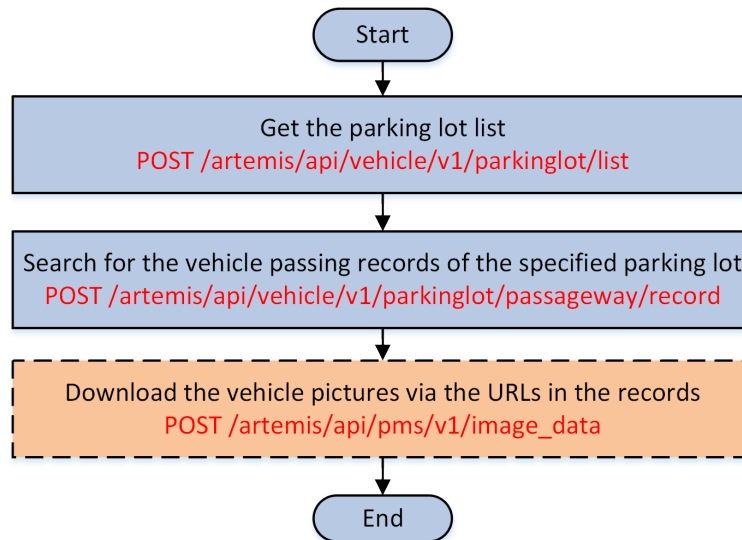


Figure 4-11 API Calling Flow of Searching for Vehicle Passing Records

1. Call ***POST /artemis/api/vehicle/v1/parkinglot/list*** to get the parking lot list.
2. Call ***POST /artemis/api/vehicle/v1/parkinglot/passageway/record*** to search for the vehicle passing records of the specified parking lot.
3. (Optional) Call ***POST /artemis/api/pms/v1/image_data*** to download the vehicle pictures via the URLs in the records.

Get the Real-Time Occupancy of the Parking Spaces

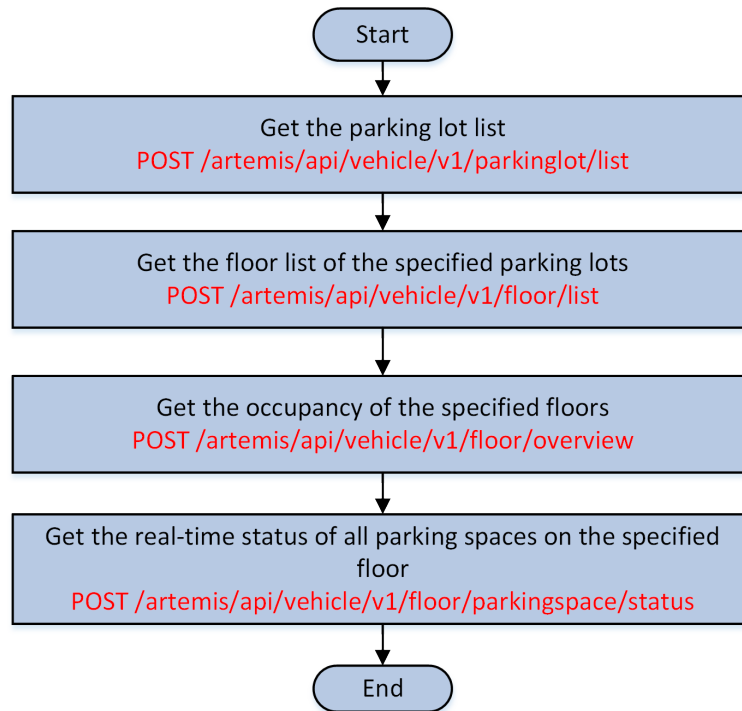


Figure 4-12 API Calling Flow of Getting the Real-Time Occupancy of the Parking Spaces

1. Call **POST /artemis/api/vehicle/v1/parkinglot/list** to get the parking lot list.
2. Call **POST /artemis/api/vehicle/v1/floor/list** to get the floor list of the specified parking lots.
3. Call **POST /artemis/api/vehicle/v1/floor/overview** to get the occupancy of the specified floors.
4. Call **POST /artemis/api/vehicle/v1/floor/parkingspace/status** to get the real-time status of all parking spaces on the specified floor.

Search for the Vehicle Parking Records

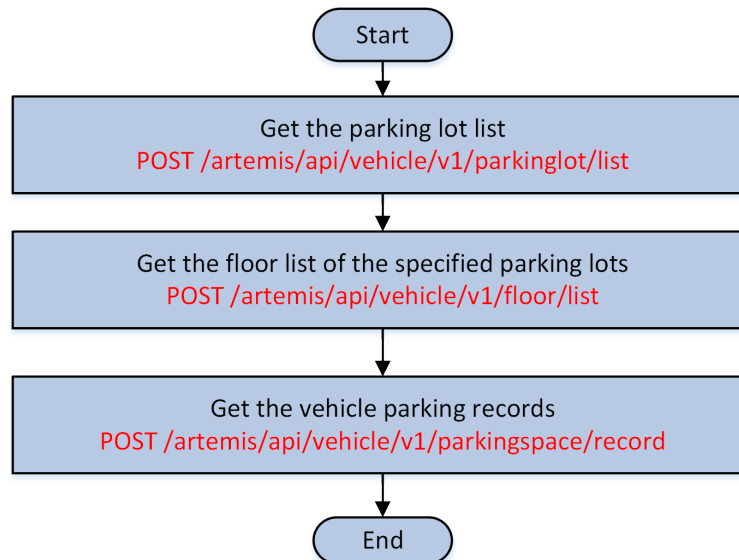


Figure 4-13 API Calling Flow of Searching for the Vehicle Parking Records

1. Call ***POST /artemis/api/vehicle/v1/parkinglot/list*** to get the parking lot list.
2. Call ***POST /artemis/api/vehicle/v1/floor/list*** to get the floor list of the specified parking lots.
3. Call ***POST /artemis/api/vehicle/v1/parkingspace/record*** to get the vehicle parking records.

4.10 Manage Visitors

You can manage visitors, including making reservations for visitors, checking in visitors with/without reservation information, and checking out visitors.

Make a Reservation

Call ***POST /artemis/api/visitor/v2/appointment*** to make a reservation for a visitor.

Note

A reservation record ID will be returned, which is used for checking in.

Check in a Visitor Without Reservation

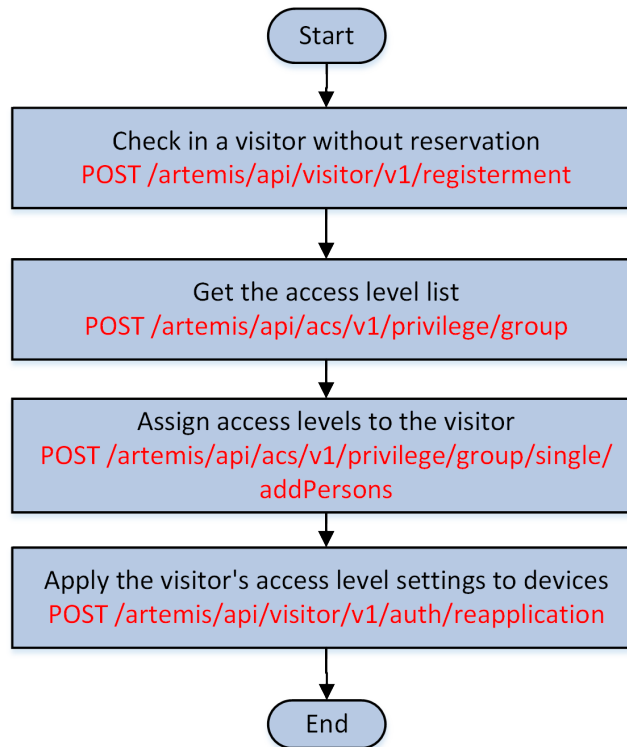


Figure 4-14 API Calling Flow of Checking in a Visitor Without Reservation

1. Call **POST /artemis/api/visitor/v1/registerment** to check in a visitor without reservation.
2. Call **POST /artemis/api/acs/v1/privilege/group** to get the access level list.
3. Call **POST /artemis/api/acs/v1/privilege/group/single/addPersons** to assign access levels to the visitor.
4. Call **POST /artemis/api/visitor/v1/auth/reapplication** to apply the visitor's access level settings to devices.

Check in a Visitor with Reservation Information

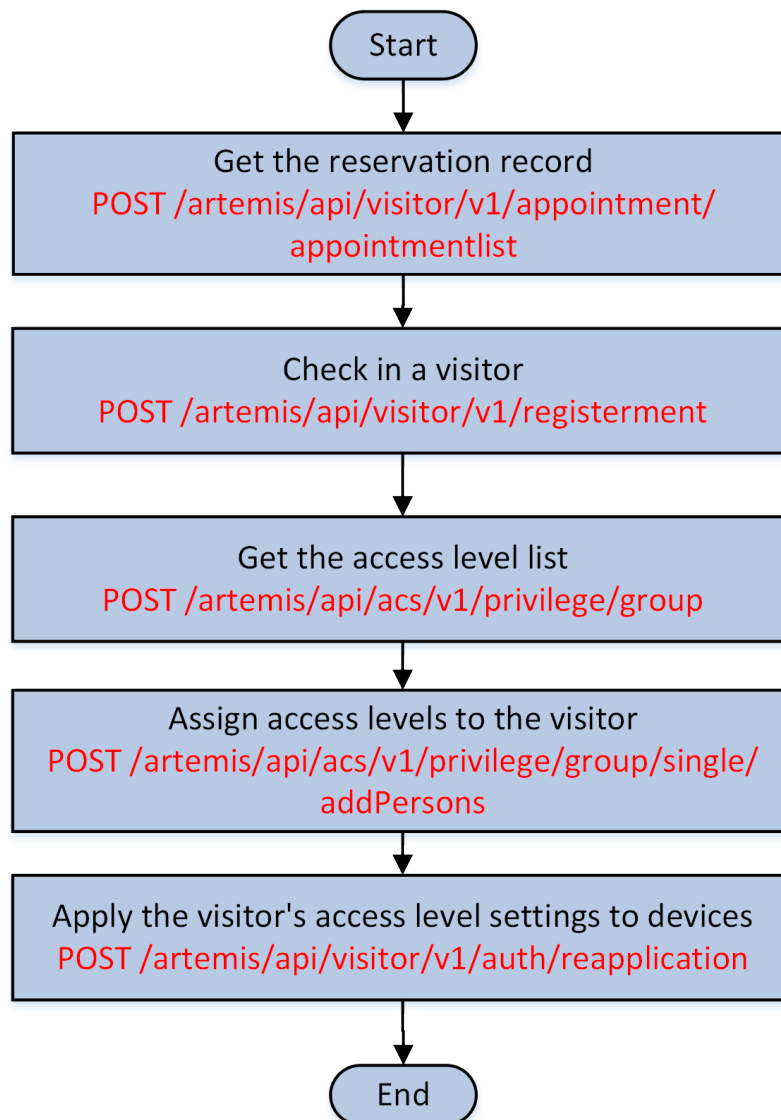


Figure 4-15 API Calling Flow of Checking in a Visitor with Reservation Information

1. Call **POST /artemis/api/visitor/v1/appointment/appointmentlist** to get the reservation record.
2. Call **POST /artemis/api/visitor/v1/registerment** to check in a visitor.
3. Call **POST /artemis/api/acs/v1/privilege/group** to get the access level list.
4. Call **POST /artemis/api/acs/v1/privilege/group/single/addPersons** to assign access levels to the visitor.
5. Call **POST /artemis/api/visitor/v1/auth/reapplication** to apply the visitor's access level settings to devices.

Check out a Visitor

Call **POST /artemis/api/visitor/v1/visitor/out** to check out a visitor and the visitor's access permission will be revoked.

Search Visitor Access Records

- Call **POST /artemis/api/visitor/v1/appointment/appointmentlist** to get the reservation record list.
- Call **POST /artemis/api/visitor/v1/visorgroups/groupinfo** to search for visitors' information by visitor group ID.
- Call **POST /artemis/api/visitor/v1/visitor/visitorInfo** to search for visitors' information by condition.

4.11 Manage Mobile Monitoring

Get detailed information of GPS statistics, search for event information of a mobile device, and search for event records of vehicles linked to mobile devices (only including the brief information).

Search for Driving Event Records

You can search for records of driving events of the following types.

- Mobile module event: panic button alarm, sharp turn, sudden brake, sudden acceleration, rollover, overspeed, collision, enter fence, deviation, and exit fence.
- Driver behavior event: smoking, on the phone, fatigue driving, distracted, not buckled up, and video tampering.
- ADAS event: front vehicle collision warning, short vehicle distance warning, lane deviation warning, pedestrian collision warning, overspeed warning, and blind spot detection warning.

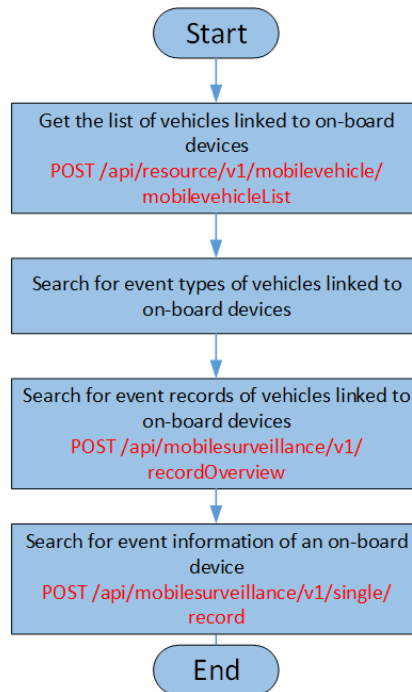


Figure 4-16 API Calling Flow of Searching for Driving Event Records

1. Call **POST /artemis/api/resource/v1/mobilevehicle/mobilevehicleList** to get the list of vehicles linked to mobile devices.
2. Call **Events of Vehicles Linked to Mobile Devices** to search for event types of vehicles linked to mobile devices.
3. Call **POST /artemis/api/mobilesurveillance/v1/recordOverview** to search for event records of vehicles linked to mobile devices.
4. Call **POST /artemis/api/mobilesurveillance/v1/single/record** to search for event information of a mobile device.

Search for GPS Statistics

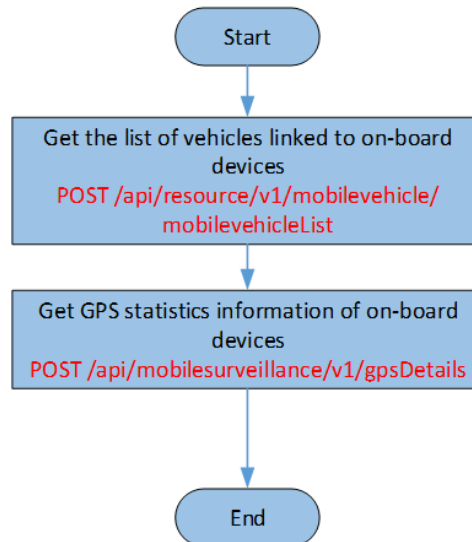


Figure 4-17 API Calling Flow of Searching for GPS Statistics

1. Call **POST /artemis/api/resource/v1/mobilevehicle/mobilevehicleList** to get the list of vehicles linked to mobile devices.
2. Call **POST /artemis/api/mobilesurveillance/v1/gpsdetails** to get GPS statistics information of mobile devices.

Receive Events of Vehicles Linked to Mobile Devices

You can receive real-time event notifications with relevant subscription. Refer to **Receive Alarm or Event** for details.

Get People Counting Statistics of Vehicle Linked to Mobile Device

You can create a people counting analysis group via mobile device to get the real-time people counting statistics, i.e., the number of people on the vehicle.

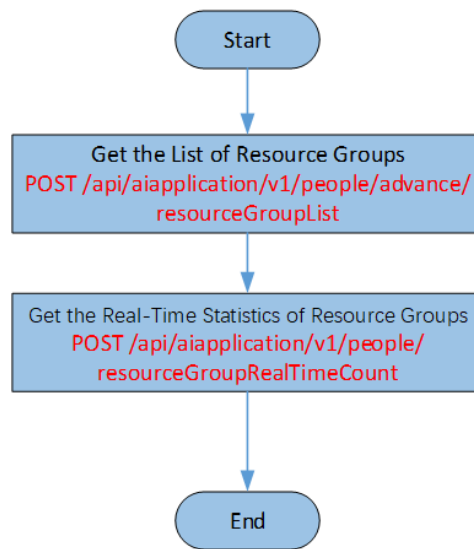


Figure 4-18 API Calling Flow of Getting People Counting Statistics of Vehicle Linked to Mobile Device

1. Call **POST /artemis/api/aiapplication/v1/people/advance/resourceGroupList** to get the list of resource groups.
2. Call **POST /artemis/api/aiapplication/v1/people/resourceGroupRealTimeCount** to get the real-time statistics of resource groups.

4.12 Search for Healthcare Information

You can search for information of rooms added to the platform including the room No., bed No.(s), and the person linked to each bed; after the person information is obtained, you can search for the person's healthcare information including heart and breathing rate, overall status and daily activities, sleep status, and in-bed status.

Table 4-20 Room Information

| Function | API |
|------------------------------|---|
| Search for room information. | <u>POST /artemis/api/healthcareradar/v1/room</u> |

Table 4-21 Person Information

| Function | API |
|--|--|
| Search for person's heart rate and breathing rate data. | <u><i>POST /artemis/api/healthcareradar/v1/heartbreath</i></u> |
| Search for person's overall status and daily activities. | <u><i>POST /artemis/api/healthcareradar/v1/livefeature</i></u> |
| Search for person's sleep status. | <u><i>POST /artemis/api/healthcareradar/v1/sleepQuality</i></u> |
| Search for person's in-bed status. | <u><i>POST /artemis/api/healthcareradar/v1/inBedStatus</i></u> |

Chapter 5 API Reference

5.1 Common API

Here provides an API for getting version information.

5.1.1 POST /artemis/api/common/v1/version

Get version information of platform.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/common/v1/version

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|---|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Req. | Object | Version information. See details in Version . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "produceName": "HikCentral Professional",
    "softVersion": "V2.1.0.0"
  }
}
```

5.2 Physical Resources API

Here provides APIs for the management of encoding devices, access control devices, Streaming Servers, Recording Servers, DeepinMind Servers, and System Management Servers.

5.2.1 POST /artemis/api/resource/v1/acsDevice/acsDeviceList

Get the information list of all access control devices, and all information is returned by page.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/acsDevice/acsDeviceList](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/acsDevice/acsDeviceList)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
```

```
"pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | List of access control device information. |
| list[0] | Opt. | Object | Information of an access control device in the list. See details in <i>AcsDevInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 4,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "acsDevIndexCode": "46",
        "acsDevName": "10.18.64.39",
        "acsDevIp": "10.18.64.39",
        "acsDevPort": "9502",
        "treatyType": "hiksdk_net",

```

```

    "acsDevCode": "DS-K1T671TM-3XF20210308V030202ENE43116796",
    "status ": 2
  },
  {
    "acsDevIndexCode": "13",
    "acsDevName": "10.18.66.112",
    "acsDevIp": "10.18.66.112",
    "acsDevPort": "8005",
    "treatyType": "hiksdk_net",
    "acsDevCode": "DS-K1T680MF-E120210303V030203ENE33392121",
    "status ": 2
  }
]
}
}
}

```

5.2.2 POST /artemis/api/resource/v1/acsDevice/advance/acsDeviceList

Set search condition (i.e., device name) to search the specified access control devices, and fuzzy search is supported; if the search condition is not configured, the information of all access control devices will be returned by page.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/acsDevice/advance/acsDeviceList](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/acsDevice/advance/acsDeviceList)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| acsDevName | Opt. | String | Body | Access control device name, which consists of 1 to 32 characters, but cannot contain |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|--|
| | | | | special characters like ' / \ : * ? " < > |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10,
  "acsDevName": "10.18.64.39"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Information list of access control devices. |
| list[0] | Opt. | Object | Information of an access control device in the list. See details in AcsDevInfo . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "acsDevIndexCode": "46",
        "acsDevName": "10.18.64.39",
        "acsDevIp": "10.18.64.39",
        "acsDevPort": "9502",
        "treatyType": "hiksdk_net",
        "acsDevCode": "DS-K1T671TM-3XF20210308V030202ENE43116796",
        "status": 2
      }
    ]
  }
}
```

5.2.3 POST /artemis/api/resource/v1/acsDevice/indexCode/acsDeviceInfo

Get the information of an access control device by device ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/acsDevice/indexCode/acsDeviceInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| acsDevIndexCode | Req. | String | Body | Access control device ID, which consists of up to 64 characters. |

Request Example

```
{
  "acsDevIndexCode": "46"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Access control device information. See details in AcsDevInfo . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "acsDevIndexCode": "46",
    "acsDevName": "10.18.64.39",
    "acsDevIp": "10.18.64.39",
    "acsDevPort": "9502",
    "treatyType": "hiksdk_net",
    "acsDevCode": "DS-K1T671TM-3XF20210308V030202ENE43116796",
    "status": 2
  }
}
```

5.2.4 POST /artemis/api/resource/v1/encodeDevice/advance/encodeDeviceList

Set search condition (i.e., device name) to search the specified encoding devices, and fuzzy search is supported; if the search condition is not configured, the information of all encoding devices will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/encodeDevice/advance/encodeDeviceList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| encodeDevName | Opt. | String | Body | Encoding device name, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10,
  "encodeDevName": "10.18.66.25",
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| | | | code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Encoding device information list. |
| list[0] | Opt. | Object | Information of an encoding device in the list. See details in <i>EncodeDevInfo</i> . |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "encodeDevIndexCode": "85",
        "encodeDevName": "10.18.66.25",
        "encodeDevIp": "10.18.66.25",
        "encodeDevPort": "9000",
        "encodeDevCode": "SimulatorDevice",
        "treatyType": "hiksdk_net",
        "status ": 2
      }
    ]
  }
}

```

5.2.5 POST /artemis/api/resource/v1/encodeDevice/encodeDeviceList

Get the information list of all encoding devices, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/encodeDevice/encodeDeviceList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| list | Opt. | Array | Encoding device information list. |
| list[0] | Opt. | Object | Information of an encoding device in the list. See details in <i>EncodeDevInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 19,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "encodeDevIndexCode": "86",
        "encodeDevName": "10.41.13.38_ ",
        "encodeDevIp": "10.41.13.38",
        "encodeDevPort": "8000",
        "encodeDevCode": "DS-9632NI-I81620210322CCRRF71031387WCVU",
        "treatyType": "hiksdk_net",
        "status ": 1
      },
      {
        "encodeDevIndexCode": "85",
        "encodeDevName": "10.18.66.25",
        "encodeDevIp": "10.18.66.25",
        "encodeDevPort": "9000",
        "encodeDevCode": "SimulatorDevice",
        "treatyType": "hiksdk_net",
        "status ": 2
      }
    ]
  }
}
```

5.2.6 POST /artemis/api/resource/v1/encodeDevice/indexCode/encodeDeviceInfo

Get the information of an encoding device by device ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/encodeDevice/indexCode/encodeDeviceInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| encodeDevIndexCode | Req. | String | Body | Encoding device ID, which consists of up to 64 characters. |

Request Example

```
{
  "encodeDevIndexCode": "85"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Encoding device information. See details in <i>EncodeDevInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "encodeDevIndexCode": "85",
    "encodeDevName": "10.18.66.25",
    "encodeDevIp": "10.18.66.25",
  }
}
```

```

"encodeDevPort": "9000",
"encodeDevCode": "SimulatorDevice",
"treatyType": "hiksdk_net",
"status": 2
}
}

```

5.2.7 POST /artemis/api/resource/v1/intelligentServer/intelligentServerList

Get DeepinMind Server list. The information of all servers will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/intelligentServer/intelligentServerList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/ \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```

{
"pageNo": 1,
"pageSize": 2
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| | | | to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Information list of DeepinMind Servers. |
| list[0] | Opt. | Object | Information of a DeepinMind Server, refer to IntelligentServerInfo for details. |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 4,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "intelligentServerIndexCode": "1",
        "intelligentServerName": "10.41.7.96",
        "intelligentServerIp": "10.41.7.96",
        "status": 1
      },
      {
        "intelligentServerIndexCode": "2",
        "intelligentServerName": "10.19.167.130",
        "intelligentServerIp": "10.19.167.130",
        "status": 0
      }
    ]
  }
}

```

```
}
}
```

5.2.8 POST /artemis/api/resource/v1/mobileDevice/mobileDeviceList

Get the mobile device list in page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/mobileDevice/mobileDeviceList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Req. | PageInfo | Response data details. |

PageInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|--------------------------------|---------------------------------|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | <i>MobileDeviceInfo</i> | Mobile device list. |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "mobileDevIndexCode": "1",
        "mobileDevName": "10.18.66.164",
        "mobileDevIp": "",
        "mobileDevPort": "0",
        "mobileDevCode": "20210225WRF58663372",
        "treatyType": "ehome_reg",
        "status ": 2
      }
    ]
  }
}

```


5.2.9 POST /artemis/api/resource/v1/mobileDevice/indexCode/mobileDeviceInfo

Get the information of a mobile device by device ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/mobileDevice/indexCode/mobileDeviceInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| mobileDevIndexCode | Req. | String | Body | Mobile device ID. The maximum length is 64 characters. |

Request Example

```
{
  "mobileDevIndexCode ":"1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|---------------|--|
| | | | details. Each description can contain up to 256 characters. |
| data | Req. | MobileDevInfo | Response data details. See details in <i>MobileDeviceInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "mobileDevIndexCode": "1",
    "mobileDevName": "10.18.66.164",
    "mobileDevIp": "",
    "mobileDevPort": "0",
    "mobileDevCode": "20210225WRF58663372",
    "treatyType": "ehome_reg",
    "status": 2
  }
}
```

5.2.10 POST /artemis/api/resource/v1/mobileDevice/advance/mobileDeviceList

Search the mobile device list.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/mobileDevice/advance/mobileDeviceList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------|--------------|-----------|----------------|--|
| | | | | characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| mobileDevName | Opt. | String | Body | Mobile device resource name. The maximum length is 128 characters. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2,
  "mobileDevName": "10.18.64.39"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Req. | PageInfo | Response data details. |

PageInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------------|--|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | MobileDevInfo[] | Mobile device list. See details in <u>MobileDeviceInfo</u> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "mobileDevIndexCode": "1",
        "mobileDevName": "10.18.66.164",
        "mobileDevIp": "",
        "mobileDevPort": "0",
        "mobileDevCode": "20210225WRF58663372",
        "treatyType": "ehome_reg",
        "status": 2
      }
    ]
  }
}
```

5.2.11 POST /artemis/api/resource/v1/recordServer/indexCode/recordServerInfo

Get information of a Recording Server by server ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/recordServer/indexCode/recordServerInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| recordServerIndexCode | Req. | String | Body | Recording Server ID, which consists of up to 10 characters. |

Request Example

```
{
  "recordServerIndexCode": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Information of a Recording Server, refer to RecordServerInfo for details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "recordServerIndexCode": "1",
    "recordServerName": "10.41.7.232",
    "recordServerIp": "10.41.7.232",
  }
}
```

```

"recordingStatus": 2,
"networkStatus": 1,
"hddList": [
  {
    "poolID": "0",
    "poolName": "RV_1",
    "Capacity": 821568,
    "FreeSpace": 712317,
    "UsedSpace": 109251
  },
  {
    "poolID": "1",
    "poolName": "PIC_RV_1",
    "Capacity": 9310,
    "FreeSpace": 9310,
    "UsedSpace": 0
  }
]
}
}

```

5.2.12 POST /artemis/api/resource/v1/recordServer/recordServerList

Get Recording Server list.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/recordServer/recordServerList](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/recordServer/recordServerList)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Information list of Recording Servers. |
| list[0] | Opt. | Object | Information of a Recording Server, refer to <i>RecordServerInfo</i> for details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "recordServerIndexCode": "1",
        "recordServerName": "10.41.7.232",
        "recordServerIp": "10.41.7.232",

```

```

    "recordingStatus": 2,
    "networkStatus": 1
  },
  {
    "recordServerIndexCode": "4",
    "recordServerName": "10.18.66.214",
    "recordServerIp": "10.18.66.214",
    "recordingStatus": 1,
    "networkStatus": 2
  }
]
}
}
}

```

5.2.13 POST /artemis/api/resource/v1/recordServer/recordStatus

Get the storage status of cameras linked to a specific Recording Server.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/recordServer/recordStatus](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/recordServer/recordStatus)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > . |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| recordServerIndexCode | Req. | String | Body | Recording Server ID, which consists of up to 64 characters. |
| poolID | Req. | String | Body | Resource pool ID, which consists of up to 32 characters. |

Request Example

```

{
  "pageNo": 1,

```



```
"pageSize": 2,
"recordServerIndexCode": "1",
"poolID": "0"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|------------------------------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| recordServerIndexCode | Opt. | String | Recording Server ID, which consists of up to 64 characters. |
| recordServerName | Opt. | String | Recording Server name, which consists of up to 64 characters. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Information list of Recording Servers. |
| recordServerIp | Opt. | String | IP address of Recording Server, whose maximum length is 64 bytes. |
| recordingStatus | Opt. | Number | Video status: 0-unknown, 1-normal, 2-exception. |
| networkStatus | Opt. | Number | Network status: 0-unknown, 1-online, 2-offline. |
| total | Opt. | Number | Total number of data records. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| list | Opt. | Array | Storage status list of cameras linked to a Recording Server. |
| list[0] | Opt. | Object | Storage status of a camera linked to a Recording server, refer to <i>CameraRecordStatus</i> for details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 2,
    "recordServerIndexCode": "1",
    "recordServerName": "10.41.7.232",
    "recordServerIp": "10.41.7.232",
    "recordingStatus": 2,
    "networkStatus": 1,
    "list": [
      {
        "regionName": "10.18.65.98",
        "deviceIp": "10.18.65.98",
        "cameraName": "Camera 01",
        "cameraIndexCode": "103",
        "networkStatus": 2,
        "recordingScheduleName": "",
        "recordingStatus": 2,
        "siteName": "HikCentral Professional",
        "storageType": 1
      }
    ]
  }
}
```

5.2.14 POST /artemis/api/resource/v1/streamServer/streamServerList

Get Streaming Service list.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/streamServer/streamServerList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| list | Opt. | Array | Information list of Streaming Servers. |
| list[0] | Opt. | Object | Information of a Streaming Server, refer to <i>StreamServerInfo</i> for details. |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 4,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "acsDevIndexCode": "46",
        "acsDevName": "10.18.64.39",
        "acsDevIp": "10.18.64.39",
        "acsDevPort": "9502",
        "treatyType": "hiksdk_net",
        "acsDevCode": "DS-K1T671TM-3XF20210308V030202ENE43116796",
        "status ": 2
      },
      {
        "acsDevIndexCode": "13",
        "acsDevName": "10.18.66.112",
        "acsDevIp": "10.18.66.112",
        "acsDevPort": "8005",
        "treatyType": "hiksdk_net",
        "acsDevCode": "DS-K1T680MF-E120210303V030203ENE33392121",
        "status ": 2
      }
    ]
  }
}

```

5.2.15 POST /artemis/api/resource/v1/videoManagementServer

Get the information of the System Management Server.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/videoManagementServer

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > . |

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Information of the System Management Server. |
| ip | Opt. | String | IP address of the server, and the maximum length is 64 bytes. |
| port | Opt. | Number | Port No. of the server. |
| cpu | Opt. | Number | CPU usage of the server. |
| status | Opt. | Number | Network status: 0-online, 1-offline. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "ip": "127.0.0.1",
    "port": 443,
    "cpu": 90,
    "status": 0
  }
}
```

```
}
}
```

5.3 Logical Resources API

Here provides APIs for the management of sites, areas, cameras, alarm inputs, alarm outputs, vehicles, access points, organizations, persons, face comparison groups, faces, visitors, access levels, and access groups.

5.3.1 Site Information

POST /artemis/api/resource/v1/site/advance/siteList

Set search condition (i.e., site name) to search the specified site, and fuzzy search is supported; if the search condition is not configured, the information of all sites will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/site/advance/siteList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| siteName | Opt. | String | Body | Site name, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10,
  "siteName": "HikCentral Professional"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Site information list. |
| list[0] | Opt. | Object | Information of a site in the list. See details in <i>SiteInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "siteIndexCode": "0",
        "siteName": "HikCentral Professional",

```

```
"siteIp": "10.41.7.232",
"sitePort": "0",
"description": ""
},
{
"siteIndexCode": "17",
"siteName": "HikCentral Professional",
"siteIp": "10.18.66.21",
"sitePort": "80",
"description": ""
}
]
}
}
```

POST /artemis/api/resource/v1/site/indexCode/siteInfo

Get the information of a site by site ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/site/indexCode/siteInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/ \ : * ? " < > |
| siteIndexCode | Req. | String | Body | Site ID, which consists of up to 64 characters. |

Request Example

```
{
"siteIndexCode": "17"
}
```


Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Site information. See details in <i>SiteInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "siteIndexCode": "17",
    "siteName": "HikCentral Professional",
    "siteIp": "10.18.66.21",
    "sitePort": "80",
    "description": ""
  }
}
```

POST /artemis/api/resource/v1/site/siteList

Get the information list of all sites, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/site/siteList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like <code>'/\ : * ? " < > </code> |
| pageNo | Opt. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Opt. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Opt. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Opt. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| list | Opt. | Array | Site information list. |
| list[0] | Opt. | Object | Information of a site in the list. See details in <i>SiteInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "siteIndexCode": "0",
        "siteName": "HikCentral Professional",
        "sitelp": "10.41.7.232",
        "sitePort": "0",
        "description": ""
      },
      {
        "siteIndexCode": "17",
        "siteName": "HikCentral Professional",
        "sitelp": "10.18.66.21",
        "sitePort": "80",
        "description": ""
      }
    ]
  }
}
```

5.3.2 Area Information

POST /artemis/api/resource/v1/region/indexCode/regionInfo

Get the area information by area ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/region/indexCode/regionInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| regionIndexCode | Req. | String | Body | Area ID, which consists of up to 64 characters. |
| siteIndexCode | Opt. | String | Body | Site ID, which consists of up to 64 characters. By default, it is the current site. |

Request Example

```
{
  "regionIndexCode": "28",
  "siteIndexCode": "0"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Area information. See details in RegionInfo . |

Response Example

```
{
  "code": "0",
```

```

"msg": "Success",
"data": {
  "indexCode": "28",
  "parentIndexCode": "-1",
  "siteIndexCode": "0",
  "name": "10.18.65.98"
}
}

```

POST /artemis/api/resource/v1/regions

Get information list of all areas, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/regions

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| siteIndexCode | Opt. | String | Body | Site ID, which consists of up to 64 characters. By default, it is the current site. |

Request Example

```

{
  "pageNo": 1,
  "pageSize": 2,
  "siteIndexCode": "0"
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Area information list. |
| list[0] | Opt. | Object | Information of an area in the list. See details in <i>RegionInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 40,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "indexCode": "1",
        "parentIndexCode": "-1",
        "siteIndexCode": "0",
        "name": "10.18.65.114"
      },
      {
        "indexCode": "28",
        "parentIndexCode": "-1",
        "siteIndexCode": "0",
        "name": "10.18.65.98"
      }
    ]
  }
}
```

```

    }
  ]
}
}

```

POST /artemis/api/resource/v1/regions/regionIndexCode/cameras

Get the camera list of a specified area by area ID, and the information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/regions/regionIndexCode/cameras

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| regionIndexCode | Req. | String | Body | Area ID, which consists of up to 64 characters. |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| siteIndexCode | Opt. | String | Body | Site ID, which consists of up to 64 characters. By default, it is the current site. |
| deviceType | Opt. | String | Body | Device type (mobileDevice, encodeDevice (default), acsDevice), which consists of up to 128 characters. Use comma to separate multiple items. |

Request Example

```

{
  "pageNo": 1,

```

```

"pageSize": 2,
"regionIndexCode": "1",
"siteIndexCode": "0",
"deviceType": "encodeDevice"
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | PageInfo | Response data details. |

PageInfo Object Description

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|--------------|---|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | CameraInfo[] | Information of a camera in the list. See details in CameraInfo . |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "cameraIndexCode": "1",

```



```

    "cameraName": "Simulator Channel",
    "capabilitySet": "ptz,event_veh",
    "encodeDevIndexCode": "1",
    "recordType": "0",
    "recordLocation": "1",
    "regionIndexCode": "1",
    "siteIndexCode": "0",
    "status": 2
  }
]
}
}

```

Remarks

The returned cameras do not contain child cameras.

POST /artemis/api/resource/v1/regions/subRegions

Get the area list of a specified parent area by resource type and permission.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/regions/subRegions](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/regions/subRegions)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| parentIndexCode | Opt. | String | Body | Parent area No., which consists of up to 64 characters. By default, it is the root area. |
| siteIndexCode | Opt. | String | Body | Site ID, which consists of up to 64 characters. By default, it is the current site. |

Request Example

```

{
  "siteIndexCode": "0",
  "parentIndexCode": "0"
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Area information. See details in <i>RegionInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "list": [
      {
        "indexCode": "1",
        "parentIndexCode": "-1",
        "siteIndexCode": "0",
        "name": "10.18.65.114"
      },
      {
        "indexCode": "28",
        "parentIndexCode": "-1",
        "siteIndexCode": "0",
        "name": "10.18.65.98"
      },
      {
        "indexCode": "29",
        "parentIndexCode": "-1",
        "siteIndexCode": "0",
        "name": "10.41.7.131"
      }
    ]
  }
}
```

Remarks

The returned areas do not contain any child area, and both the cascading and non-cascading areas will be returned.

5.3.3 Camera Information

POST /artemis/api/resource/v1/camera/advance/cameraList

Set search conditions (e.g., camera name, encoding device ID, and area ID) to search the specified cameras, and fuzzy search is supported; if the search condition is not configured, the information of all cameras will be returned by page.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/camera/advance/cameraList](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/camera/advance/cameraList)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| cameraName | Opt. | String | Body | Camera name, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| deviceType | Opt. | String | Body | Device type (mobileDevice, encodeDevice (default), acsDevice), which consists of up to 128 characters. Use comma to separate multiple items. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|--|
| devIndexCode | | String | Body | Mobile device ID. It is valid when encodeDevIndexCode is empty. |
| encodeDevIndexCode | Opt. | String | Body | Encoding device ID, which consists of up to 64 characters. If the ID is specified, only the cameras of the current level will be searched. |
| regionIndexCode | Opt. | String | Body | Area ID, which consists of up to 64 characters. |
| siteIndexCode | Opt. | String | Body | Site ID, which consists of up to 64 characters. By default, it is the current site. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 100,
  "cameraName": "Simulator Channel",
  "encodeDevIndexCode": "85",
  "regionIndexCode": "95",
  "siteIndexCode": "0"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | details. Each description can contain up to 256 characters. |
| data | Opt. | PageInfo | Response data details. |

PageInfo Object Description

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|--------------|--|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | CameraInfo[] | Information of a camera in the list. See details in <i>CameraInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 100,
    "list": [
      {
        "cameraIndexCode": "1213",
        "cameraName": "Simulator Channel",
        "capabilitySet": "ptz",
        "encodeDevIndexCode": "85",
        "recordType": "0",
        "recordLocation": "1",
        "regionIndexCode": "95",
        "siteIndexCode": "0",
        "status": 2
      },
      {
        "cameraIndexCode": "1212",
        "cameraName": "Simulator Channel",
        "capabilitySet": "ptz",
        "encodeDevIndexCode": "85",
        "recordType": "0",
        "recordLocation": "1",
        "regionIndexCode": "95",
        "siteIndexCode": "0",

```

```

    "status": 2
  }
]
}
}

```

Remarks

If there are multiple search conditions, they will be combined for search.

POST /artemis/api/resource/v1/cameras

Get the information list of all cameras, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/cameras

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| siteIndexCode | Opt. | String | Body | Site ID, which consists of up to 64 characters. By default, it is the current site. |
| deviceType | Opt. | String | Body | Device type (mobileDevice, encodeDevice (default), acsDevice), which consists of up to 128 characters. Use comma to separate multiple items. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2,
  "siteIndexCode": "0",
  "deviceType": "encodeDevice"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. See details in |

PageInfo Object Description

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|--------------|--|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | CameraInfo[] | Information of a camera in the list. See details in <i>CameraInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 51,
    "pageNo": 1,

```

```

"pageSize": 2,
"list": [
  {
    "cameraIndexCode": "1213",
    "cameraName": "Simulator Channel",
    "capabilitySet": "ptz",
    "encodeDevIndexCode": "85",
    "recordType": "0",
    "recordLocation": "1",
    "regionIndexCode": "95",
    "siteIndexCode": "0",
    "status": 2
  },
  {
    "cameraIndexCode": "1212",
    "cameraName": "Simulator Channel",
    "capabilitySet": "ptz",
    "encodeDevIndexCode": "85",
    "recordType": "0",
    "recordLocation": "1",
    "regionIndexCode": "95",
    "siteIndexCode": "0",
    "status": 2
  }
]
}
}

```

POST /artemis/api/resource/v1/cameras/indexCode

Get the information of a specified camera by camera ID.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/cameras/indexCode](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/cameras/indexCode)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |

Request Example

```
{
  "cameraIndexCode": "1213"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. See details in <i>CameraInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "cameraIndexCode": "1213",
    "cameraName": "Simulator Channel",
    "capabilitySet": "ptz",
    "devResourceType": "encodeDevice",
    "DevIndexCode": "5",
    "recordType": "0",
    "recordLocation": "1",
    "regionIndexCode": "95",
    "siteIndexCode": "0",
    "status": 2
  }
}
```

POST /artemis/api/resource/v1/regions/regionIndexCode/cameras

Get the camera list of a specified area by area ID, and the information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/regions/regionIndexCode/cameras

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| regionIndexCode | Req. | String | Body | Area ID, which consists of up to 64 characters. |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| siteIndexCode | Opt. | String | Body | Site ID, which consists of up to 64 characters. By default, it is the current site. |
| deviceType | Opt. | String | Body | Device type (mobileDevice, encodeDevice (default), acsDevice), which consists of up to 128 characters. Use comma to separate multiple items. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2,
  "regionIndexCode": "1",
  "siteIndexCode": "0",
  "deviceType": "encodeDevice"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | PageInfo | Response data details. |

PageInfo Object Description

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|--------------|--|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | CameraInfo[] | Information of a camera in the list. See details in <i>CameraInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "cameraIndexCode": "1",
        "cameraName": "Simulator Channel",
        "capabilitySet": "ptz,event_veh",
        "encodeDevIndexCode": "1",
        "recordType": "0",
        "recordLocation": "1",
        "regionIndexCode": "1",

```

```

    "siteIndexCode": "0",
    "status": 2
  }
]
}
}

```

Remarks

The returned cameras do not contain child cameras.

5.3.4 Organization Information

POST /artemis/api/resource/v1/org/advance/orgList

Set search conditions (e.g., organization ID, organization name, and organization status) to search the specified organization information, and fuzzy search is supported; if the search condition is not configured, the information of all organizations will be returned by page.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/org/advance/orgList](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/org/advance/orgList)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| orgName | Opt. | String | Body | Organization name, which consists of up to 64 characters. |
| orgIndexCode | Req. | String | Body | Organization No., which consists of up to 64 characters. |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "orgName": "test",
  "pageNo": 1,
  "pageSize": 10
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Organization information list. |
| list[0] | Opt. | Object | Information of an organization in the list. See details in <i>OrgInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "orgIndexCode": "1",
        "orgName": "root",

```

```

    "parentOrgIndexCode": "0"
  },
  {
    "orgIndexCode": "2",
    "orgName": "test",
    "parentOrgIndexCode": "1"
  }
]
}
}

```

POST /artemis/api/resource/v1/org/orgIndexCode/orgInfo

Get organization information by organization ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/org/orgIndexCode/orgInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User name, which cannot contain punctuations or special symbols like ' / \ : * ? " < > , and it consists of up to 32 characters. |
| orgIndexCode | Req. | String | Body | Organization ID, which consists of up to 64 characters. |

Request Example

```

{
  "orgIndexCode": "3"
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | to <i>Status or Error Code</i> for details); it consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. It consists of up to 256 characters. |
| data | Opt. | Object | Organization information. See details in <i>OrgInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "orgIndexCode": "3",
    "orgName": " name_test ",
    "parentOrgIndexCode": "1"
  }
}
```

POST /artemis/api/resource/v1/org/orgList

Get the information list of all organizations, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/org/orgList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| | | | | contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 100
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Organization information list. |
| list[0] | Opt. | Object | Information of an organization in the list. See details in <i>OrgInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 3,
    "pageNo": 1,
    "pageSize": 100,
    "list": [
      {
        "orgIndexCode": "1",
        "orgName": "root",
        "parentOrgIndexCode": "0"
      },
      {
        "orgIndexCode": "2",
        "orgName": "test",
        "parentOrgIndexCode": "1"
      },
      {
        "orgIndexCode": "3",
        "orgName": " name_test ",
        "parentOrgIndexCode": "1"
      }
    ]
  }
}
```

POST /artemis/api/resource/v1/org/parentOrgIndexCode/subOrgList

Get information list of lower-level organizations by parent organization, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/org/parentOrgIndexCode/subOrgList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User name, which cannot contain punctuations or special symbols like ' / \ : * ? " < > , |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|---|
| | | | | and it consists of up to 32 characters. |
| parentOrgIndexCode | Req. | String | Body | Parent organization No., which consists of up to 64 characters. |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "parentOrgIndexCode": "1",
  "pageNo": 1,
  "pageSize": 10
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details); it consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. It consists of up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|--|
| list | Opt. | Array | Organization information list. |
| list[0] | Opt. | Object | Information of an organization in the list. See details in <i>OrgInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "orgIndexCode": "2",
        "orgName": "test",
        "parentOrgIndexCode": "1"
      },
      {
        "orgIndexCode": "3",
        "orgName": "name_test",
        "parentOrgIndexCode": "1"
      }
    ]
  }
}
```

POST /artemis/api/resource/v1/org/rootOrg

Get the root organization information.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/org/rootOrg

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|--|
| | | | | contain special characters like <code>'/\ : * ? " < > </code> |

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Root organization information. See details in OrgInfo . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "orgIndexCode": "1",
    "orgName": "root",
    "parentOrgIndexCode": "0"
  }
}
```

POST /artemis/api/resource/v1/org/single/add

Add an organization.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/org/single/add

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User name, which cannot contain punctuations or special symbols like ' / \ : * ? " < > , and it consists of up to 32 characters. |
| parentIndexCode | Req. | String | Body | Parent organization ID, which consists of up to 64 characters. |
| orgName | Req. | String | Body | Organization name, which consists of up to 64 characters. |

Request Example

```
{
  "orgName": "name",
  "parentIndexCode": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details); it consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. It consists of up to 256 characters. |
| data | Opt. | Object | Organization information. See details in OrgInfo . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
}
```

```
"data": {
  "orgIndexCode": "4",
  "orgName": "name",
  "parentOrgIndexCode": "1"
}
```

POST /artemis/api/resource/v1/org/single/delete

Delete an organization.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/org/single/delete

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User name, which cannot contain punctuations or special symbols like ' / \ : * ? " < > , and it consists of up to 32 characters. |
| orgIndexCode | Req. | String | Body | Organization ID, which consists of up to 64 characters. |

Request Example

```
{
  "orgIndexCode": "4"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details); it consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | code, refer to <i>Status or Error Code</i> for details. It consists of up to 256 characters. |
| data | Opt. | String | Response data details, if succeeded, this field is null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

POST /artemis/api/resource/v1/org/single/update

Edit the information of an organization.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/org/single/update](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/org/single/update)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| parentIndexCode | Req. | String | Body | Parent organization ID, which consists of up to 64 characters. |
| orgIndexCode | Req. | String | Body | Organization ID, which consists of up to 64 characters. |
| orgName | Req. | String | Body | Organization name, which consists of up to 64 characters. |

Request Example

```
{
  "orgName": "name_test",
  "orgIndexCode": "4",
  "parentIndexCode": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description consists of up to 256 characters. |
| data | Opt. | String | Returned result, if succeeded, this field is null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.3.5 Access Point Information

POST /artemis/api/resource/v1/acsDoor/acsDoorList

Get the information list of all access points, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/acsDoor/acsDoorList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| list | Opt. | Array | Access point information list. |
| list[0] | Opt. | Object | Information of an access point in the list. See details in <i>DoorInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 6,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "doorIndexCode": "938",
        "acsDevIndexCode": "46",
        "regionIndexCode": "77",
        "doorNo": "6",
        "doorName": "Door 01",
        "doorState": 4
      },
      {
        "doorIndexCode": "920",
        "acsDevIndexCode": "37",
        "regionIndexCode": "75",
        "doorNo": "5",
        "doorName": "Door1",
        "doorState": 0
      }
    ]
  }
}
```

POST /artemis/api/resource/v1/acsDoor/advance/acsDoorList

Set search condition (i.e., access point name, access control device ID, and area ID) to search the specified access point, and fuzzy search is supported; if the search condition is not configured, the information of all access points will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/acsDoor/advance/acsDoorList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| doorName | Opt. | String | Body | Access point name, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| acsDevIndexCode | Opt. | String | Body | Access control device ID, which consists of up to 64 characters. |
| regionIndexCode | Req. | String | Body | Area ID, which consists of up to 64 characters. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2,
  "doorName": "Door 01",
  "acsDevIndexCode": "46",
  "regionIndexCode": "77"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Access point information list. |
| list[0] | Opt. | Object | Information of an access point in the list. See details in <i>DoorInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "doorIndexCode": "938",
        "acsDevIndexCode": "46",
        "regionIndexCode": "77",
        "doorNo": "6",
        "doorName": "Door 01",
        "doorState": 4
      }
    ]
  }
}
```

POST /artemis/api/resource/v1/acsDoor/indexCode/acsDoorInfo

Get the information of a specified access point by access point ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/acsDoor/indexCode/acsDoorInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| doorIndexCode | Req. | String | Body | Access point ID, which consists of up to 64 characters. |

Request Example

```
{
  "doorIndexCode": "938"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Access point information. See details in <i>DoorInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
}
```

```

"data": {
  "doorIndexCode": "938",
  "acsDevIndexCode": "46",
  "regionIndexCode": "77",
  "doorNo": "6",
  "doorName": "Door 01",
  "doorState": 4
}
}

```

POST /artemis/api/resource/v1/acsDoor/region/acsDoorList

Get the information list of access points in a specified area by area ID, and the information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/acsDoor/region/acsDoorList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| regionIndexCode | Req. | String | Body | Area ID, which consists of up to 64 characters. |

Request Example

```

{
  "regionIndexCode": "f182356d-8647-4fd8-96d0-cf635e9293cd",
  "pageNo": 1,
  "pageSize": 2
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Access point information list. |
| list[0] | Opt. | Object | Information of an access point in the list. See details in <i>DoorInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 2,
    "list": [{
      "doorIndexCode": "9290949c81434d2a84a06a6d127cefd6",
      "doorName": "A14906_A14906_door1",
      "doorNo": "1",
      "regionIndexCode": "f182356d-8647-4fd8-96d0-cf635e9293cd",
      "acsDevIndexCode": "c322b802d3a4453b9923792acc5d6a25"
    },
    {
      "doorIndexCode": "c0d46ff668134e4f816fe6921f2d5070",
      "doorName": "A14906_A14906_door2",
      "doorNo": "2",
      "regionIndexCode": "f182356d-8647-4fd8-96d0-cf635e9293cd",
    }
  ]
}
```

```
"acsDevIndexCode": "c322b802d3a4453b9923792acc5d6a25"
  }}
}
```

POST /artemis/api/resource/v1/reader/search

Get card reader information.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/reader/search

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\:*? "<> |
| doorIndexCode | Req. | String | Body | Access point ID, which consists of up to 64 characters. |
| readerIndexCode | Opt. | String | Body | Card reader ID, which consists of up to 64 characters. |

Request Example

```
{
  "doorIndexCode": "938"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| list | Opt. | Array | List of card reader information. |
| list[0] | Opt. | Object | Information of a card reader. See details in <i>ReaderInfo</i> . |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "list": [
      {
        "indexCode": "5",
        "name": "Cardreader 01",
        "enable": 0
      },
      {
        "indexCode": "6",
        "name": "Cardreader 02",
        "enable": 0
      }
    ]
  }
}

```

5.3.6 Vehicle Information

POST /artemis/api/resource/v1/vehicle/advance/vehicleList

Set search condition (i.e., license plate number, vehicle owner name, and owner contact number) to search the specified vehicles, and fuzzy search is supported; if the search condition is not configured, the information of all vehicles will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicle/advance/vehicleList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| plateNo | Opt. | String | Body | License plate number, which consists of up to 64 characters. |
| personName | Opt. | String | Body | Vehicle owner name, which consists of up to 64 characters. |
| phoneNo | Opt. | String | Body | Contact number of vehicle owner, which consists of up to 64 characters. |
| vehicleGroupIndexCode | Req. | String | Body | Vehicle group ID, which consists of up to 64 characters. |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10,
```

```

"personName": "",
"plateNo": "N746",
"phoneNo": "",
"vehicleGroupIndexCode": "1"
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Vehicle information list. |
| list[0] | Opt. | Object | Information of a vehicle in the list. See details in <i>VehicleInfo</i> . |

Response Example

```

{
"code": "0",
"msg": "Success",
"data": {
"total": 1,
"pageNo": 1,
"pageSize": 10,
"list": [
{
"vehicleId": "20",
"plateNo": "NN7464",
"personName": "test test",
"personFamilyName": "test",
"personGivenName": "test",

```

```

"phoneNo": "",
"vehicleColor": 3,
"vehicleGroupIndexCode": "1"
}
]
}

```

Remarks

The search conditions, i.e., license plate number, vehicle owner name, and owner contact number, are mutually exclusive. That is, they cannot be configured for search at same time.

POST /artemis/api/resource/v1/vehicle/indexCode/vehicleInfo

Get the information of a specified vehicle by vehicle ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicle/indexCode/vehicleInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|--|
| vehicleIndexCode | Req. | String | Body | Vehicle ID, which consists of up to 32 characters. |

Request Example

```

{
"vehicleIndexCode": "7 "
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Vehicle information. See details in <i>VehicleInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "vehicleId": "7",
    "plateNo": "AB5555",
    "personName": "1 2",
    "phoneNo": "",
    "vehicleColor": 0,
    "vehicleGroupIndexCode": "1"
  }
}
```

POST /artemis/api/resource/v1/vehicle/single/add

Add a vehicle.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicle/single/add

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| plateNo | Req. | String | Body | License plate number, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------------|--------------|-----------|----------------|--|
| personId | Opt. | String | Body | Person ID, which consists of up to 128 characters. |
| personGivenName | Opt. | String | Body | Person's given name, which consists of 1 to 256 characters, but cannot contain special characters like ' / \ : * ? " < > |
| personFamilyName | Opt. | String | Body | Person's family name, which consists of 1 to 256 characters, but cannot contain special characters like ' / \ : * ? " < > |
| phoneNo | Opt. | String | Body | Person's contact number, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| vehicleColor | Opt. | Number | Body | Vehicle color code: 0-other color, 1-white, 2- silver, 3-grey, 4-black, 5-red, 6-dark blue, 7-blue, 8-yellow, 9-green, 10-brown, 11-pink, 12- purple, 13-dark blue, 14-cyan. |
| vehicleGroupIndexcode | Req. | String | Body | Vehicle group ID, which consists of up to 64 characters. |

Request Example

```
{
  "plateNo": "NN7464",
  "personId": "1149",
  "phoneNo": "111111",
  "vehicleColor": 3,
  "vehicleGroupIndexCode": "1",
  "personGivenName": "ma",
  "personFamilyName": "jack"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Vehicle information, refer to <i>VehicleInfo</i> for details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "vehicleId": "20",
    "plateNo": "NN7464",
    "personName": "test test",
    "phoneNo": "",
    "vehicleColor": 3,
    "vehicleGroupIndexCode": "1"
  }
}
```

POST /artemis/api/resource/v1/vehicle/single/delete

Delete a vehicle

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicle/single/delete

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| vehicleId | Req. | String | Body | Vehicle ID, which consists of up to 65 characters. |

Request Example

```
{
  "vehicleId": "12"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | / | / |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```


POST /artemis/api/resource/v1/vehicle/single/update

Edit information of a vehicle.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicle/single/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| vehicleId | Req. | String | Body | Vehicle ID, which consists of up to 65 characters. |
| vehicleGroupIndexcode | Req. | String | Body | Vehicle group ID, which consists of up to 64 characters. |
| plateNo | Req. | String | Body | License plate number, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| personId | Opt. | String | Body | Person ID, which consists of up to 128 characters. |
| personGivenName | Opt. | String | Body | Person's given name, which consists of 1 to 256 characters, but cannot contain special characters like ' / \ : * ? " < > |
| personFamilyName | Opt. | String | Body | Person's family name, which consists of 1 to 256 characters, but cannot contain special characters like ' / \ : * ? " < > |
| phoneNo | Opt. | String | Body | Person's contact number, which consists of 1 to 32 characters, but cannot contain |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------|--------------|-----------|----------------|--|
| | | | | special characters like ' / \ : * ? " < > |
| vehicleColor | Opt. | Number | Body | Vehicle color code: 0-other color, 1-white, 2- sliver, 3-grey, 4-black, 5-red, 6-dark blue, 7-blue, 8-yellow, 9-green, 10-brown, 11-pink, 12- purple, 13-dark blue, 14-cyan. |

Request Example

```
{
  "vehicleId": "21",
  "plateNo": "74651544B",
  "personId": "1149",
  "phoneNo": "111111111111",
  "vehicleColor": 3,
  "vehicleGroupIndexCode": "1",
  "personFamilyName": "dong",
  "personGivenName": "zhaod"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | / | / |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

POST /artemis/api/resource/v1/vehicle/vehicleList

Get the information list of all vehicles, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicle/vehicleList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| vehicleGroupIndexCode | Req. | String | Body | Vehicle group ID, which consists of up to 32 characters. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10
  "vehicleGroupIndexCode": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Vehicle information list. |
| list[0] | Opt. | Object | Information of a vehicle in the list. See details in <i>VehicleInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "vehicleId": "7",
        "plateNo": "888",
        "personName": "1 2",
        "personFamilyName": "2",
        "personGivenName": "1",
        "phoneNo": "",
        "vehicleColor": 0,
        "vehicleGroupIndexCode": "1"
      }
    ]
  }
}
```

```
}
}
```

POST /artemis/api/resource/v1/vehicleGroup/single/add

Add a vehicle group.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicleGroup/single/add

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| vehicleGroup Name | Req. | String | Body | Vehicle group name, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| description | Opt. | String | Body | Description, which consists of 1 to 128 characters, but cannot contain special characters like ' / \ : * ? " < > |

Request Example

```
{
  "vehicleGroupName": "test",
  "description": "test"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Vehicle group information, refer to <i>VehicleGroupInfo</i> for details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "vehicleGroupIndexCode": "4",
    "vehicleGroupName": "test",
    "description": "test"
  }
}
```

POST /artemis/api/resource/v1/vehicleGroup/single/delete

Delete a vehicle group.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicleGroup/single/delete

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| vehicleGroupIndexCode | Req. | String | Body | Vehicle group ID, which consists of 1 to 64 characters. |

Request Example

```
{
  "vehicleGroupIndexCode": "4"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | / | / |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

POST /artemis/api/resource/v1/vehicleGroup/single/update

Edit the information of a vehicle group.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicleGroup/single/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| vehicleGroupIndexCode | Req. | String | Body | Vehicle group ID, which consists of 1 to 64 characters. |
| vehicleGroupName | Req. | String | Body | Vehicle group name, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| description | Opt. | String | Body | Description, which consists of 1 to 128 characters, but cannot contain special characters like ' / \ : * ? " < > |

Request Example

```
{
  "vehicleGroupIndexCode": "4",
  "vehicleGroupName": "test_mod",
  "description": "test_mod"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | details. Each description can contain up to 256 characters. |
| data | Opt. | / | / |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

POST /artemis/api/resource/v1/vehicleGroup/vehicleGroupList

Get the information list of all vehicle groups, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/vehicleGroup/vehicleGroupList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Vehicle group information list. |
| list[0] | Opt. | Object | Information of a vehicle group in the list. See details in <i>VehicleGroupInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "vehicleGroupIndexCode": "3",
        "vehicleGroupName": "group_one",
        "description": ""
      },
      {
        "vehicleGroupIndexCode": "2",
        "vehicleGroupName": "1",
        "description": ""
      }
    ]
  }
}
```

```
}
}
```

5.3.7 Vehicle Linked to Mobile Device

POST /artemis/api/resource/v1/mobilevehicle/mobilevehicleList

Get the list of vehicles linked to mobile devices. The returned results will be displayed in page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/mobilevehicle/mobilevehicleList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| | | | to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | PageInfo | Vehicle information structure. |

PageInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|---------------------------------|--|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | <i>MobilevehicleInfo</i> | List of vehicles linked to mobile devices. |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "mobilevehicleIndexCode": "3",
        "mobilevehicleName": "zhe123",
        "DevIndexCode": "28",
        "regionIndexCode": "1",
        "status": "1",
        "plateNo": "zhe123",
        "personName": "ljf",
        "personFamilyName": "l",
        "personGivenName": "jf",
        "phoneNo": "2345346",
        "vehicleColor": "1",
      }
    ]
  }
}

```

```

    "vehicleType": "1",
    "vehicleBrand": "1"
  }
]
}
}

```

POST /artemis/api/resource/v1/mobileVehicle/indexCode/mobileVehicleInfo

Get the information of a vehicle linked to the mobile device according to the vehicle ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/mobileVehicle/indexCode/mobileVehicleInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userid | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| mobilevehicleIndexCode | Req. | String | Body | ID of vehicle linked to the mobile device. The maximum length is 256 characters. |

Request Example

```

{
  "mobilevehicleIndexCode": "1"
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|---------------------------------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Req. | <u>MobilevehivleInfo</u> | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "mobilevehicleIndexCode": "1",
    "mobilevehicleName": "zhe123",
    "regionIndexCode": "1",
    "status": 2,
    "DevIndexCode": "1",
    "plateNo": "zhe123",
    "personFamilyName": "",
    "personGivenName": "",
    "personName": "",
    "phoneNo": "",
    "vehicleType": -1,
    "vehicleBrand": -1,
    "vehicleColor": -1
  }
}
```

POST /artemis/api/resource/v1/mobilevehicle/advanced/mobilevehicleList

Search the list of vehicles linked to mobile devices by condition. The returned results will be displayed in page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/mobilevehicle/advanced/mobilevehicleList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| mobilevehicle Name | Opt. | String | Body | Name of vehicle linked to the mobile device. This field consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < >. Fuzzy search is supported. |
| devIndexCode | Opt. | String | Body | Device ID. When this field is set, results of vehicles which are linked to the specific mobile device will be returned. The maximum length is 64 characters. |
| regionIndexCode | Opt. | String | Body | Area ID, which consists of up to 64 characters. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10,
  "mobilevehicleName": "10.18.68.12",
  "devIndexCode": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | PageInfo | Vehicle information structure. |

PageInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|---------------------------------|---------------------------------|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | <i>MobilevehicleInfo</i> | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "mobilevehicleIndexCode": "3",
        "mobilevehicleName": "zhe123",
        "DevIndexCode": "28",
        "regionIndexCode": "1",
        "status": "1",
        "plateNo": "zhe123",
        "personName": "ljf",
        "personFamilyName": "l",

```



```

    "personGivenName": "jf",
    "phoneNo": "2345346",
    "vehicleColor": "1",
    "vehicleType": "1",
    "vehicleBrand": "1"
  }
]
}
}

```

5.3.8 Person Information

POST /artemis/api/resource/v1/person/advance/personList

Set search condition (i.e., person name) to search the specified person, and fuzzy search is supported; if the search condition is not configured, the information of all persons will be returned by page.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/person/advance/personList](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/advance/personList)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| personName | Opt. | String | Body | Person name, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10,
  "personName": "test"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Person information list. |
| list[0] | Opt. | Object | Information of a person in the list. See details in <i>PersonInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "personId": "1149",
        "personCode": "3536895491",

```

```
"orgIndexCode": "1",
"personName": "test test",
"personFamilyName": "test",
"personGivenName": "test",
"gender": 0,
"phoneNo": "",
"personPhoto": {
  "picUri": ""
},
"email": "",
"remark": "",
"beginTime": "2021-04-25T16:19:27+08:00",
"endTime": "2031-04-25T16:19:27+08:00",
"cards": [
  {
    "cardNo": "234324"
  }
],
"customFieldList": [
  {
    "id": "12",
    "customFiledName": "Home Address",
    "customFieldType": 0,
    "customFieldValue": ""
  },
  {
    "id": "13",
    "customFiledName": "Salary",
    "customFieldType": 0,
    "customFieldValue": ""
  },
  {
    "id": "14",
    "customFiledName": "time",
    "customFieldType": 2,
    "customFieldValue": ""
  }
]
}
}
```

POST /artemis/api/resource/v1/person/customFields

Get the person's custom information list, and all the information is returned by page.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/person/customFields](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/customFields)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>' / \ : * ? " < > </code> |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| list | Opt. | Array | Persons' custom information list. |
| list[0] | Opt. | Object | Custom information about a person. See details in <i>CustomField</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 3,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "id": "12",
        "customFiledName": "Home Adress",
        "customFieldType": 0
      },
      {
        "id": "13",
        "customFiledName": "Salary",
        "customFieldType": 0
      }
    ]
  }
}
```

POST /artemis/api/resource/v1/person/face/update

Edit the information of face linked with the person.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/face/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| | | | | contain special characters like <code>'/\ : * ? " < > </code> |
| personId | Req. | String | Body | Person ID, which is returned when adding person and consists of up to 16 characters. If this field is not configured, the platform will automatically generate an ID. |
| faceData | Req. | String | Body | Face information of the person encoded by Base64. |

Request Example

```
{
  "personId": "1",
  "faceData": " AQSkszFYSEbxpSTWII7Ib2dtYSUW4"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | String | Response result, if succeeded, this field is null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
}
```

```
"data": ""
}
```

POST /artemis/api/resource/v1/person/fingerPrints/update

Edit the information of fingerprints linked with the person.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/fingerPrints/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| personId | Req. | String | Body | Person ID, which is returned when adding person and consists of up to 16 characters. If this field is not configured, the platform will automatically generate an ID. |
| fingerPrint | Opt. | Array | Body | Fingerprint information list. |
| fingerPrint[0] | Opt. | Object | Body | Information of a fingerprint in the list, refer to <i>FingerPrint</i> for details. |

Request Example

```
{
  "personId": "1",
  "fingerPrint": [
    {
      "fingerPrintIndexCode": "1",
      "fingerPrintName": "fringe_print_01",
      "fingerPrintData": "228697F1AD0146C8D00",
      "relatedCardNo": "1123"
    }
  ]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Array | List of fingerprint updating results. |
| data[0] | Opt. | Object | A fingerprint updating result in the list, see details in <i>fingerprintUpdateResult</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

POST /artemis/api/resource/v1/person/personCode/personInfo

Get person information according to person code.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/personCode/personInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------|--------------|-----------|----------------|---|
| | | | | contain special characters like '/\ : * ? " < > |
| personCode | Req. | string | Body | Person code, which consists of up to 64 characters. |

Request Example

```
{
  "personCode": "3536895491"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Person information. See details in PersonInfo . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "personId": "1149",
    "personCode": "3536895491",
    "personName": "test test",
    "personFamilyName": "test",
    "personGivenName": "test",
    "gender": 0,
    "orgIndexCode": "1",
    "personPhoto": {
```

```
"picUri": ""
},
"phoneNo": "",
"email": "",
"remark": "",
"beginTime": "2021-04-25T16:19:27+08:00",
"endTime": "2031-04-25T16:19:27+08:00",
"cards": [
  {
    "cardNo": "234324"
  }
],
"CustomField": [
  {
    "id": "12",
    "customFiledName": "Home Address",
    "customFieldType": 0,
    "customFieldValue": ""
  },
  {
    "id": "13",
    "customFiledName": "Salary",
    "customFieldType": 0,
    "customFieldValue": ""
  },
  {
    "id": "14",
    "customFiledName": "time",
    "customFieldType": 2,
    "customFieldValue": ""
  }
]
}
}
```

POST /artemis/api/resource/v1/person/personId/customFieldsUpdate

Edit the person's custom information.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/person/personId/customFieldsUpdate](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/personId/customFieldsUpdate)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>'/\ : * ? " < > </code> |
| personId | Req. | String | Body | Person ID, which consists of up to 64 characters. |
| list | Opt. | Array | Body | List of person custom information. |
| list[0] | Opt. | Object | Body | Custom information of a person. See details in <i>CustomField</i> . |

Request Example

```
{
  "personId": "1150",
  "list": [
    {
      "id": "12",
      "customFileName": "ssss",
      "customFieldType": 2,
      "customFieldValue": "2354"
    }
  ]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

POST /artemis/api/resource/v1/person/personId/personInfo

Get the information of a specified person by person ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/personId/personInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| personId | Req. | String | Body | Person ID, which consists of up to 64 characters. |

Request Example

```
{
  "personId": "1149"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Person information. See details in <i>PersonInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "personId": "1149",
    "personCode": "3536895491",
    "personName": "test test",
    "gender": 0,
    "orgIndexCode": "1",
    "personPhoto": {
      "picUri": ""
    },
    },
    "phoneNo": "",
    "email": "",
    "remark": "",
    "beginTime": "2021-04-25T16:19:27+08:00",
    "endTime": "2031-04-25T16:19:27+08:00",
    "personFamilyName": "test",
    "personGivenName": "test",
    "cards": [
      {
        "cardNo": "234324"
      }
    ],
    "customFieldList": [
      {
        "id": "12",
        "customFiledName": "Home Adrress",

```

```

    "customFieldType": 0,
    "customFieldValue": ""
  },
  {
    "id": "13",
    "customFileName": "Salary",
    "customFieldType": 0,
    "customFieldValue": ""
  },
  {
    "id": "14",
    "customFileName": "time",
    "customFieldType": 2,
    "customFieldValue": ""
  }
]
}
}

```

POST /artemis/api/resource/v1/person/personList

Get the information list of all persons, and all information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/personList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```

{
  "pageNo": 1,

```

```
"pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Person information list. |
| list[0] | Opt. | Object | Information of a person in the list. See details in <i>PersonInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 37,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "personId": "1149",
        "personCode": "3536895491",
        "orgIndexCode": "1",
        "personName": "test test",
        "personFamilyName": "test",
        "personGivenName": "test",
        "gender": 0,
        "phoneNo": ""
      }
    ]
  }
}
```

```
"personPhoto": {
  "picUri": ""
},
"email": "",
"remark": "",
"beginTime": "2021-04-25T16:19:27+08:00",
"endTime": "2031-04-25T16:19:27+08:00",
"cards": [
  {
    "cardNo": "234324"
  }
],
"customFieldList": [
  {
    "id": "12",
    "customFiledName": "Home Address",
    "customFieldType": 0,
    "customFieldValue": ""
  },
  {
    "id": "13",
    "customFiledName": "Salary",
    "customFieldType": 0,
    "customFieldValue": ""
  },
  {
    "id": "14",
    "customFiledName": "time",
    "customFieldType": 2,
    "customFieldValue": ""
  }
]
},
{
  "personId": "1135",
  "personCode": "2357358552",
  "orgIndexCode": "1",
  "personName": "John",
  "personFamilyName": "",
  "personGivenName": "John",
  "gender": 0,
  "phoneNo": "",
  "personPhoto": {
    "picUri": "0B4E92A30AF914C1285613A4FBD9F761F"
  },
  "email": "",
  "remark": "",
  "beginTime": "2021-04-15T17:07:41+08:00",
  "endTime": "2031-04-15T17:07:41+08:00",
  "customFieldList": [
    {
      "id": "12",
```



```

"customFileName": "Home Address",
"customFieldType": 0,
"customFieldValue": ""
},
{
"id": "13",
"customFileName": "Salary",
"customFieldType": 0,
"customFieldValue": ""
},
{
"id": "14",
"customFileName": "time",
"customFieldType": 2,
"customFieldValue": ""
}
]
}
]
}
}

```

POST /artemis/api/resource/v1/person/picture_data

Get the URI of profile picture uploaded when adding person, and then download the picture from Recording Server according to the URL.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/resource/v1/person/picture_data](https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/picture_data)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| domainId | Opt. | Number | Header | Domain ID, which consists of up to 32 characters. |
| picUri | Req. | String | Body | Relative URI of picture, which is returned when adding persons. And the URI contains up to 256 characters. |
| personId | Req. | String | Body | Person ID, which is returned when adding persons. And the ID contains up to 64 characters. |

Request Example

```
{
  "personId": "1135",
  "picUri": "0B4E92A30AF914C1285613A4FBD9F761F"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | String | Returned picture data. |

Response Example

```
"data:image/jpeg;base64,/9j/4AAQSkzFYSEbxpSTWII7Ib2dtYSUW4zd9E/K/U+h9Ls
49L0y20yFyy29ukSs3UhVAB/SigyEjFFG5+2RioRUV0P/2Q=="
"data:image/jpeg;base64,/9j/4AAQSkzFYSEbxpSTWII7Ib2dtYSUW4zd9E/K/U+h9Ls4
9L0y20yFyy29ukSs3UhVAB/SigyEjFFG5+2RioRUV0P/2Q=="
```

POST /artemis/api/resource/v1/person/single/add

Add a person.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/single/add

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like <code>'/\ : * ? " < > </code> |
| personCode | Opt. | String | Body | Person No., which consists of up to 16 characters. |
| personGivenName | Req. | String | Body | Person name, which consists of up to 256 characters. |
| personFamilyName | Req. | String | Body | Person's last name, which consists of up to 256 characters. |
| gender | Opt. | String | Body | Person's gender: 1-male, 2-female, 0-unknown. |
| orgIndexCode | Req. | String | Body | Person's organization ID. |
| phoneNo | Opt. | String | Body | Person's mobile phone number. |
| email | Opt. | String | Body | Person's email address. |
| faces | Opt. | Array | Body | Face information list. |
| faces[0] | Opt. | Object | Body | Information of a face in the list, refer to <i>face</i> for details. |
| fingerPrint | Opt. | Array | Body | Fingerprint information list. |
| fingerPrint[0] | Opt. | Object | Body | Information of a fingerprint in the list, refer to <i>FingerPrint</i> for details. |
| remark | Opt. | String | Body | Remarks, which consists of up to 128 characters. |
| cards | Opt. | Array | Body | Card information list. |
| cards[0] | Opt. | Object | Body | Information of a card in the list, refer to <i>Card</i> for details. |
| beginTime | Opt. | String | Body | Start time in ISO 8601 format, which is represented by "yyyy- |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------|--------------|-----------|----------------|--|
| | | | | MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 bytes. |
| endTime | Opt. | String | Body | End time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 bytes. |

Request Example

```
{
  "personCode": "123245214",
  "personFamilyName": "LI",
  "personGivenName": "person0",
  "gender": 1,
  "orgIndexCode": "1",
  "remark": "description",
  "phoneNo": "13000110011",
  "email": "person1@qq.com",
  "cards": [
    {
      "cardNo": "123456"
    }
  ],
  "beginTime": "2020-05-26T15:00:00+08:00",
  "endTime": "2030-05-26T15:00:00+08:00"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | String | Added person ID. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": "1150"
}
```

POST /artemis/api/resource/v1/person/single/delete

Delete a person.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/single/delete

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| personId | Req. | String | Body | Person ID, which is returned when adding person and consists of up to 64 characters. If this field is not configured, the platform will automatically generate an ID. |

Request Example

```
{  
  "personId ": "1"  
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | String | Response details, if succeeded, this field is null. |

Response Example

```
{  
  "code": "0",  
  "msg": "Success",  
  "data": ""  
}
```

POST /artemis/api/resource/v1/person/single/update

Edit a person's information.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/person/single/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like <code>'/\: * ? " < > </code> |
| personId | Req. | String | Body | Person ID, which is returned when adding person and consists of up to 16 characters. |
| personCode | Opt. | String | Body | Person No., which consists of up to 16 characters. |
| personGivenName | Opt. | String | Body | Person name, which consists of up to 256 characters. |
| personFamilyName | Opt. | String | Body | Person's last name, which consists of up to 256 characters. |
| gender | Opt. | Number | Body | Person's gender: 1-male, 2-female, 0-unknown. |
| orgIndexCode | Opt. | String | Body | Person's organization ID. This field is not required when editing the person's name. |
| phoneNo | Opt. | String | Body | Person's mobile phone number. |
| email | Opt. | String | Body | Person's email address. |
| remark | Opt. | String | Body | Remarks, which consists of up to 128 characters. |
| cards | Opt. | Array | Body | Card information list. |
| cards[0] | Opt. | Object | Body | Information of a card in the list, refer to <i>Card</i> for details. |
| beginTime | Opt. | String | Body | Start time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07- |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------|--------------|-----------|----------------|--|
| | | | | 26T15:00:00 + 08:00". The maximum length is 64 bytes. |
| endTime | Opt. | String | Body | End time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 bytes. |

Request Example

```
{
  "personId": "1150",
  "personCode": "123245214",
  "personFamilyName": "Li",
  "personGivenName": "person0",
  "orgIndexCode": "1",
  "gender": 1,
  "phoneNo": "13000110011",
  "remark": "description",
  "email": "person1000@qq.com",
  "cards": [
    {
      "cardNo": "123456"
    }
  ],
  "beginTime": "2022-05-26T15:00:00+08:00",
  "endTime": "2030-05-26T15:00:00+08:00"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | details. Each description can contain up to 256 characters. |
| data | Opt. | String | Response result, if succeeded, this field is null. |

Response Example

```
{
  "code": "0",
  "msg": "ok",
  "data": ""
}
```

POST /artemis/api/acs/v1/faceCheck

Verify the validity of face picture (a few seconds are required for verifying a picture). Currently, the API is only supported by the MinMoe (i.e., Face Recognition Terminal). It is used for linking face picture to the person when adding a person.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/acs/v1/faceCheck

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| faceData | Req. | String | Body | Face picture data (Base64). |
| acsDevIndexCode | Req. | String | Body | Access control device ID, which consists of up to 64 characters. |

Request Example

```
{
  "faceData": "4AAQSkzFYSEbXpSTWII7Ib2dtYSUW4zd9E/K",
}
```

```
"acsDevIndexCode": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data":""
}
```

5.3.9 Face Comparison Group

POST /artemis/api/frs/v1/face/group

Set search condition (i.e., group ID and group name) to search the specified face comparison groups, and fuzzy search is supported; if the search condition is not configured, the information of all face comparison groups will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/face/group

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| indexCodes | Opt. | Array | Body | A set of face comparison group IDs, currently, only one ID is supported. And each ID consists of up to 64 characters. |
| indexCodes[0] | Opt. | String | Body | A face comparison group ID in the list. |
| name | Opt. | String | Body | Name of face comparison group, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > . It is for fuzzy search. |

Request Example

```
{
  "indexCodes": [
    "2"
  ],
  "name": ""
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| | | | details. Each description consists of up to 256 characters. |
| data | Opt. | Array | Information list of face comparison groups. |
| data[0] | Opt. | Object | Information of a face comparison group in the list. See details in <i>FaceGroupInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "list": [
      {
        "indexCode": "2",
        "name": "test_group",
        "description": ""
      }
    ]
  }
}
```

POST /artemis/api/frs/v1/face/group/batch/deletion

Delete a face comparison group by group ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/face/group/batch/deletion

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------|--------------|-----------------|----------------|---|
| | | | | contain special characters like '/\ : * ? " < > |
| indexCode | Req. | Array of String | Body | Array of face comparison group IDs, but currently, only one ID can be set in the array. If no ID or multiple IDs are specified, error will be returned. |

Request Example

```
{
  "indexCodes": [
    "1"
  ]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description consists of up to 256 characters. |
| data | Opt. | String | Response details, if succeeded, this field is null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

Remarks

The validity of face comparison group ID will be checked when deleting by ID, if the ID is invalid, error will be returned.

POST /artemis/api/frs/v1/face/group/single/addition

Add a face comparison group, and the group ID will be returned after adding.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/face/group/single/addition

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| name | Req. | String | Body | Name of face comparison group, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > . It is for fuzzy search. |
| description | Opt. | String | Body | Description of face comparison group, which contains 1 to 128 characters, but cannot contain special characters like ' / \ : * ? " < > |

Request Example

```
{
  "name": "name",
  "description": "test"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description consists of up to 256 characters. |
| data | Opt. | Array | Information list of face comparison groups. |
| data[0] | Opt. | Object | Information of a face comparison group in the list. See details in <i>FaceGroupInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "indexCode": "1",
    "name": "name",
    "description": "test"
  }
}
```

POST /artemis/api/frs/v1/face/group/single/update

Edit information of a face comparison group.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/face/group/single/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| indexCode | Req. | String | Body | Face comparison group IDs, which can be obtained by searching for face comparison groups by condition. The ID consists of up to 10 characters. |
| name | Req. | String | Body | Name of face comparison group, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > . It is for fuzzy search. |
| description | Opt. | String | Body | Description of face comparison group, which contains 1 to 128 characters, but cannot contain special characters like ' / \ : * ? " < > . This field will be set to null if no value is transmitted to. |

Request Example

```
{
  "indexCode": "1",
  "name": "name_mod",
  "description": "test_mod"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | Each code consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description consists of up to 256 characters. |
| data | Opt. | String | Response details, if succeeded, this field is null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

Remarks

If the face comparison group to be edited is already added to the identification schedule, after editing, the changed information will also be applied to device.

POST /artemis/api/frs/v1/face/groupList

Get face comparison group list.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/face/groupList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| | | | | contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 6
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|--|
| list | Opt. | Array | Information list of face comparison groups. |
| list[0] | Opt. | Object | Information of a face comparison group in the list. See details in <i>FaceGroupInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 500,
    "list": [
      {
        "indexCode": "2",
        "name": "test_group",
        "description": ""
      },
      {
        "indexCode": "1",
        "name": "1111@@@@@@",
        "description": "erryttttttttttttttttttttttttt###"
      }
    ]
  }
}
```

POST /artemis/api/frs/v1/plan/recognition/black/restart

Apply all faces' information of the face comparison group to the linked device.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/plan/recognition/black/restart

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| indexCode | Req. | String | Body | Array of face comparison group IDs, but currently, only one ID can be set in the array. If no ID or multiple IDs are specified, error will be returned. |

Request Example

```
{
  "indexCodes": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description consists of up to 256 characters. |
| data | Opt. | String | Response details, if succeeded, this field is null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
}
```

```
"data": ""
}
```

POST /artemis/api/aiapplication/v1/face/faceMatchRecord

Search for the face comparison information by camera.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/aiapplication/v1/face/faceMatchRecord

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| cameraIndexCodes | Opt. | String | Body | Camera ID, the maximum length is 1024 characters. Use comma to separate multiple items. Up to 10 IDs are allowed. |
| personIndexCodes | Opt. | String | Body | Person ID, the maximum length is 1024 characters. Use comma to separate multiple items. Up to 10 IDs are allowed. |
| faceGroupIndexCodes | Opt. | String | Body | Face comparison group ID, the maximum length is 1024 characters. Use comma to separate multiple items. Up to 10 IDs are allowed. |
| startTime | Req. | String | Body | Start time of search, which is in ISO 8601 standard time format: |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------------------|--------------|-----------|----------------|---|
| | | | | yyyy-MM-dd'T'HH:mm:ss.SSSzzz, e.g., 2018-07-26T15:00:00 + 08:00. And the time consists of up to 64 characters. |
| endTime | Req. | String | Body | End time of search, which is in ISO 8601 standard time format: yyyy-MM-dd'T'HH:mm:ss.SSSzzz, e.g., 2018-07-26T15:00:00 + 08:00. And the time consists of up to 64 characters. |
| temperatureStatus | Opt. | Number | Body | Temperature status: -1 (all), 0 (unknown), 1 (normal), 2 (exception). |
| maskStatus | Opt. | Number | Body | Mask status: -1 (all), 0 (unknown), 1 (wearing mask), 2 (no mask). |
| temperatureThreshold | Opt. | String | Body | Temperature threshold. |

Request Example

```
{
  "pageNo":1,
  "pageSize":20,
  "cameraIndexCodes":"1",
  "statisticsType":0,
  "startTime":"2018-07-26T15:00:00+08:00",
  "endTime":"2018-07-26T16:00:00+08:00"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-------------------------------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| pageNo | Opt. | Number | The current page No, the maximum length is 32 characters. |
| pageSize | Opt. | Number | Number of records on each page, the maximum length is 32 characters. |
| list | Opt. | Array | List of face comparison information. |
| list[0] | Opt. | <i>FaceMatchRecord</i> | Face comparison information. |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "completeness": 1,
    "pageNo": 1,
    "pageSize": 20,
    "list": [
      {
        "time": "2018-07-26T15:00:00+08:00",
        "cameraIndexCode": "1",
        "exitNum": 5,
        "enterNum": 1
      }
    ]
  }
}

```

5.3.10 Face Information

POST /artemis/api/frs/v1/application/picture

Download the picture according to the URL.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/application/picture

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|--|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| url | Req. | String | Body | Picture URL, which must be start with "Dev://", "Server://", and "Vsm://". The URL consists of up to 256 characters. |

Request Example

```
{
  "url": "Dev://picture/Streaming/tracks/303/?name=405812&size=405812&DEVICE=26&TYPE=0&VSM=0"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description consists of up to 256 characters. |
| data | Opt. | / | Picture data. |

Response Example

```
"data:image/jpeg;base64,/9j/4AAQSkzFYSEbpxSTWII7Ib2dtYSUW4zd9E/K/U+h9Ls49L0y20yFyy29ukSs3UhVAB/SigyEjFFG5+2RioRUV0P/2Q=="
```



```
"data:image/jpeg;base64,/9j/4AAQSkzFYSEbxpSTWII7Ib2dtYSUW4zd9E/K/U+h9Ls49L0y20yFyy29ukSs3UhVAB/SigyEjFFG5+2RioRUV0P/2Q=="
```

POST /artemis/api/frs/v1/face

Search face information in a specified face comparison group.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/face

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| faceGroupIndexCode | Req. | String | Body | Face comparison group ID, which can be obtained by getting face comparison group by condition. |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{  
  "faceGroupIndexCode": "1",  
  "pageNo": 1,  
  "pageSize": 20  
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Face information list. |
| list[0] | Opt. | Object | Information of a face in the list. See details in <i>FaceInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1
    "pageNo": 1,
    "pageSize": 20,
    "list": [
      {
        "indexCode": "4",
        "faceInfo": {
          "personGivenName": "san",
          "personFamilyName": "zhang",
          "sex": "1"
        },
        "facePic": {
          "faceUrl": "/9j/4AAQSkZJRgABAQEAAAAD4QBCRXhpZgAATU"
        }
      }
    ]
  }
}
```

```

]
}
}

```

POST /artemis/api/frs/v1/face/deletion

Remove the information of a face from a specified face comparison group.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/face/deletion

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| indexCodes | Req. | Array of String | Body | Array of person IDs, but currently, only one ID can be set in the array. If no ID or multiple IDs are specified, error will be returned. |
| faceGroupIndexCode | Req. | String | Body | Face comparison group ID, which can be obtained by getting face comparison group by condition. |
| deleteFromOrg | Opt. | String | Body | Whether to remove from the organization: "0" or null-no, "1"-yes. |

Request Example

```

{
  "indexCodes": [
    "4"
  ],
  "faceGroupIndexCode": "1",
  "deleteFromOrg": "0"
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description consists of up to 256 characters. |
| data | Opt. | String | Response details, if succeeded, this field is null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

POST /artemis/api/frs/v1/face/single/addition

Add the information of a face.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/frs/v1/face/single/addition

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|---|
| | | | | contain special characters like '/\ : * ? " < > |
| personIndexCode | Opt. | String | Body | Person ID in the person list, if this field is configured, the person to be added is from the person list, and the fields faceInfo and facePic are invalid. |
| faceGroupIndexCode | Req. | String | Body | ID of face comparison group that the face information to be added to. The ID can be obtained by getting face comparison group by condition. |
| faceInfo | Opt. | Object | Body | Face information. See details in <i>FaceInfo</i> . |
| facePic | Req. | Object | Body | Face picture data. See details in <i>facePic</i> . |

Request Example

```
{
  "personIndexCode": "1",
  "faceGroupIndexCode": "1",
  "faceInfo": {
    "personGivenName": "san",
    "personFamilyName": "zhang",
    "sex": "1"
  },
  "facePic": {
    "faceBinaryData": "/9j/4AAQSkZJRgABAQEAAAAD4QBCRXhpZgAATU"
  }
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer |

| Parameter | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------|--|
| | | | to Status or Error Code for details). Each code consists of up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description consists of up to 256 characters. |
| data | Req. | Object | Response data details. |
| indexCode | Req. | String | Face ID. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "indexCode": "4"
  }
}
```

5.3.11 Alarm Input/Output Information

POST /artemis/api/resource/v1/alarmInput/advance/alarmInputList

Set search condition (input alarm name, device ID, area ID, etc.) to search for the alarm input information; if the search condition is not configured, all alarm input information will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/alarmInput/advance/alarmInputList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| | | | | contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| alarmInputName | Opt. | String | Body | Alarm input name, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| deviceType | Opt. | String | Body | Device type (mobileDevice, encodeDevice (default), acsDevice), which consists of up to 128 characters. Use comma to separate multiple items. |
| devIndexCode | Opt. | String | Body | Device ID, which consists of up to 64 characters. If the ID is specified, only the cameras of the current level will be searched for. |
| regionIndexCode | Opt. | String | Body | Area ID, which consists of up to 64 characters. |

Request Example

```

{
  "pageNo": 1,
  "pageSize": 2,
  "alarmInputName": "D1_0.0.0.0",
  "devIndexCode": "85",
  "regionIndexCode": "95"
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Alarm input information list. |
| list[0] | Opt. | Object | A specific alarm input information. See details in <i>AlarmInputInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "alarmInputIndexCode": "1215",
        "alarmInputName": "D1_0.0.0.0",
        "regionIndexCode": "95",
        "devIndexCode": "85",
        "devResourceType": "encodeDevice",
        "networkStatus": 2
      }
    ]
  }
}
```


POST /artemis/api/resource/v1/alarmInputs

Get the alarm input information list, and all the information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/alarmInputs

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| deviceType | Opt. | String | Body | Device type (mobileDevice, encodeDevice (default), acsDevice), which consists of up to 128 characters. Use comma to separate multiple items. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Alarm input information list. |
| list[0] | Opt. | Object | Specific alarm input information. See details in <i>AlarmInputInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 129,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "alarmInputIndexCode": "1215",
        "alarmInputName": "D1_0.0.0.0",
        "regionIndexCode": "95",
        "devIndexCode": "85",
        "devResourceType": "encodeDevice",
        "networkStatus": 2
      },
      {
        "alarmInputIndexCode": "1214",
        "alarmInputName": "A1",
        "regionIndexCode": "95",
        "devIndexCode": "85",
        "devResourceType": "encodeDevice",
        "networkStatus": 2
      }
    ]
  }
}
```

```
}
}
```

POST /artemis/api/resource/v1/alarminputs/indexCode

Get the alarm input information according to alarm input ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/alarminputs/indexCode

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| alarmInputIndexCode | Req. | String | Body | Alarm input ID, which consists of up to 64 characters. |

Request Example

```
{
  "alarmInputIndexCode": "1215"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| | | | details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Alarm input information. See details in AlarmInputInfo . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "alarmInputIndexCode": "1215",
    "alarmInputName": "D1_0.0.0.0",
    "regionIndexCode": "95",
    "devIndexCode": "85",
    "devResourceType": "encodeDevice",
    "networkStatus": 2
  }
}
```

POST /artemis/api/resource/v1/alarmOutput/advance/alarmOutputList

Set search condition (output alarm name, device ID, area ID, etc.) to search for the alarm output information; if the search condition is not configured, all alarm output information will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/alarmOutput/advance/alarmOutputList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| alarmOutputName | Opt. | String | Body | Alarm output name, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| deviceType | Opt. | String | Body | Device type (mobileDevice, encodeDevice (default), acsDevice), which consists of up to 128 characters. Use comma to separate multiple items. |
| devIndexCode | Opt. | String | Body | Device ID, which consists of up to 64 characters. If the ID is specified, only the cameras of the current level will be searched for. |
| regionIndexCode | Opt. | String | Body | Area ID, which consists of up to 64 characters. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10,
  "alarmOutputName": "0.0.0.0",
  "devIndexCode": "85",
  "regionIndexCode": "95"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Alarm output information list. |
| list[0] | Opt. | Object | A specific alarm output information. See details in <i>AlarmOutputInfo</i> . |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "alarmOutputIndexCode": "1218",
        "alarmOutputName": "D2_0.0.0.0",
        "regionIndexCode": "95",
        "devIndexCode": "85",
        "devResourceType": "encodeDevice",
        "status": -1
      },
      {
        "alarmOutputIndexCode": "1217",
        "alarmOutputName": "D1_0.0.0.0",
        "regionIndexCode": "95",
        "devIndexCode": "85",
        "devResourceType": "encodeDevice",
        "status": -1
      }
    ]
  }
}

```

```
}
}
```

POST /artemis/api/resource/v1/alarmOutput/controlling

Control alarm output.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/alarmOutput/controlling

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| alarmOutputIndexCode | Req. | String | Body | Alarm output ID, which consists of up to 64 characters. |
| action | Req. | Number | Body | Operation: 0-disable alarm output, 1-enable alarm output. |

Request Example

```
{
  "alarmOutputIndexCode": "1",
  "action": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| | | | code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

POST /artemis/api/resource/v1/alarmOutputs

Get the alarm output information list, and all the information is returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/alarmOutputs

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| deviceType | Opt. | String | Body | Device type (mobileDevice, encodeDevice (default), acsDevice), which consists of up to 128 characters. Use |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|-----------------------------------|
| | | | | comma to separate multiple items. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Alarm output information list. |
| list[0] | Opt. | Object | Specific alarm output information. See details in <i>AlarmOutputInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 81,
  }
}
```

```
"pageNo": 1,
"pageSize": 2,
"list": [
  {
    "alarmOutputIndexCode": "1218",
    "alarmOutputName": "D2_0.0.0.0",
    "regionIndexCode": "95",
    "devIndexCode": "85",
    "devResourceType": "encodeDevice",
    "status": -1
  },
  {
    "alarmOutputIndexCode": "1217",
    "alarmOutputName": "D1_0.0.0.0",
    "regionIndexCode": "95",
    "devIndexCode": "85",
    "devResourceType": "encodeDevice",
    "status": -1
  }
]
}
```

POST /artemis/api/resource/v1/alarmOutputs/indexCode

Get the alarm output information according to alarm output ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/resource/v1/alarmOutputs/indexCode

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\:*? "<> ' |
| alarmOutputIndexCode | Req. | String | Body | Alarm output ID, which consists of up to 64 characters. |

Request Example

```
{
  "alarmOutputIndexCode": "1218"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Alarm output information. See details in AlarmOutputInfo . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "alarmOutputIndexCode": "1218",
    "alarmOutputName": "D2_0.0.0.0",
    "regionIndexCode": "95",
    "devIndexCode": "85",
    "devResourceType": "encodeDevice",
    "status": -1
  }
}
```

5.4 Video API

Here provides APIs for getting streaming URL for live view, playback, and two-way audio, preset management, patrol management, PTZ control, getting real-time people counting statistics, and so on.

5.4.1 POST /artemis/api/aiapplication/v1/people/statisticsTotalNumByTime

Get people counting statistics of a specified camera by minute, hour, day, and month.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/aiapplication/v1/people/statisticsTotalNumByTime

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > . |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| cameraIndexCodes | Req. | String | Body | Camera ID, and the maximum length is 1024 bytes. For multiple IDs, each two ones should be separated by comma and up to 10 IDs are allowed. |
| statisticsType | Req. | Number | Body | Statistics type: 0-by hour, 1-by day, 2-by month, 4-by minute. |
| startTime | Req. | String | Body | Start time in ISO 8601 format of search, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 64 bytes. |
| endTime | Req. | String | Body | End time in ISO 8601 format of search, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|---|
| | | | | "2018-07-26T15:00:00+08:00". The maximum length is 64 bytes. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 20,
  "cameraIndexCodes": "1",
  "statisticsType": 0,
  "startTime": "2018-07-26T15:00:00+08:00",
  "endTime": "2018-07-26T16:00:00+08:00"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|---------------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| completeness | Opt. | Number | Whether the data is complete: 0-no, 1-yes. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | People counting statistics list. |
| list[0] | Opt. | Object | People counting statistics of an item in the list. See details in <i>PeopleCountInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "completeness": 1,
    "pageNo": 1,
    "pageSize": 20,
    "list": [
      {
        "time": "2018-07-26T15:00:00+08:00",
        "cameraIndexCode": "1",
        "exitNum": 5,
        "enterNum": 1
      }
    ]
  }
}
```

5.4.2 POST /artemis/api/aiapplication/v1/people/resourceGroupRealTimeCount

Get the real-time statistics of resource groups.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/aiapplication/v1/people/
resourceGroupRealTimeCount

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| resourceGroupIndexCodes | Req. | String | Body | Resource group ID, the maximum length is 1024 characters. Up to 10 group IDs are allowed. Use comma to separate different IDs. |

Request Example

```
{
  "resourceGroupIndexCodes":"1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------------------------------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| list | Opt. | Array | List of the real-time statistics of resource groups. |
| list[0] | Opt. | <i>RealPeopleCountInfo</i> | The real-time statistics of a resource group. |

Response Example

```
{
  "code":"0",
  "msg":"Success",
  "data":{
    "list":[{
      "time":"2018-07-26T15:00:00+08:00",
      "cameraIndexCode":"1",
      "exitNum":5,
      "enterNum":1
    }]
  }
}
```

5.4.3 POST /artemis/api/aiapplication/v1/people/advance/resourceGroupList

Get the list of resource groups.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/aiapplication/v1/people/advance/resourceGroupList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| siteIndexCode | Opt. | String | Body | Site ID, which consists of up to 64 characters. |
| name | Opt. | String | Body | Name of the resource group. |
| resourceGroupIndexCodes | Opt. | String | Body | Resource group ID. Use comma to separate different IDs. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|---|--|
| | | | to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of matched results, the maximum length is 32 characters. |
| pageNo | Opt. | Number | The current page No, the maximum length is 32 characters. |
| pageSize | Opt. | Number | Number of records on each page, the maximum length is 32 characters. |
| list | Opt. | Array | List of resource groups. |
| list[0] | Opt. | <u>ResourceGroupInf</u> <u>o</u> | Information about a resource group. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 10,
    "list":
  }
}
```

5.4.4 POST /artemis/api/video/v1/cameras/playbackURLs

Get the streaming URL for playback.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/cameras/playbackURLs

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>'/\ : * ? " < > </code> |
| domainId | Opt. | Number | Header | Domain ID, which consists of up to 32 characters. |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| recordType | Req. | String | Body | Recording types, i.e., "0" (main recording) and "1" (auxiliary recording). And this field can contain up to 32 characters. |
| protocol | Opt. | String | Body | Streaming protocol (application layer protocol) types: "rtsp" (default) and "websocket" (for JsDecoder SDK). And this field can contain up to 16 characters. |
| transmode | Opt. | Number | Body | Transfer protocol types: 0-UDP, 1-TCP (default). And this field is valid when the protocol is set to "rtsp", and it contains up to 32 characters. |
| beginTime | Req. | String | Body | Start time of search, which is in ISO 8601 standard time format: yyyy-MM-dd'T'HH:mm:ss.SSSzzz, e.g., 2018-07-26T15:00:00 + 08:00. And the time consists of up to 64 characters. |
| endTime | Req. | String | Body | End time of search, which is in ISO 8601 standard time format: yyyy-MM-dd'T'HH:mm:ss.SSSzzz, e.g., |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------------|--------------|-----------|----------------|--|
| | | | | 2018-07-26T15:00:00 + 08:00. And the time consists of up to 64 characters. |
| uuid | Opt. | String | Body | ID for searching by page, which consists of up to 64 characters. This UUID is returned after the previous search and it is used for the next search of remaining videos. By default, it is "null". |
| requestWebSocketProtocol | Opt. | Number | Body | Streaming type of websocket: 0-ws, 1-wss. This parameter is required when the value of protocol is "websocket". |



Note

The days between start time and end time should be no more than three days.

Request Example

```
{
  "beginTime":"2021-04-26T00:00:00+08:00",
  "endTime":"2021-04-26T01:00:00+08:00",
  "cameraIndexCode":"19",
  "recordType":"0",
  "protocol":"rtsp",
  "transmode":"1",
  "uuid":""
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Playback URL and video segment information. See details in <i>PlaybackUrlVideoInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "url": "[sms:playback]rtsp://10.41.13.178:554/file/dvr://10.41.7.143:8001/0/channels/33?tcpport=10000",
    "authentication": "J3mnUxvJ4vcJ5vdN25FrX/Xru/5fhLD7DbVcYjWNobrt6NhHuwqYwWxulqfWcFPWhRyeWPI7V4bqkbEiVj9NEuRyrx5VkgoZRF9vrR6MJAcRef96KJfnBEdfKgVbPBOsF4nSelxEIU5oEE2dBWJMsRKETW7QAhmMQXcB2e/SY6NXcHZ/QmE4v27j3H2Y3eJWvjrFwfMSITcThZJPhv1nLGYz+BVo+zSTKaVX6VP3DeTeiDpQtX0Dvq82+zyAyNBVVehAht3QKVf5DCOsR8o65o8HEEdq+e/mvrZ4N3EcxadJrMcJmbtIn2YKm7SAbxrCQw2hrnwwDhi0nKYSJJSzfvA==",
    "uuid": "",
    "recordLocation": 1
  }
}
```

5.4.5 POST /artemis/api/video/v1/cameras/previewURLs

Get the streaming URL for live view.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/cameras/previewURLs

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>'/\ : * ? " < > </code> |
| domainId | Opt. | Number | Header | Domain ID, which consists of up to 32 characters. |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| streamType | Opt. | Number | Body | Stream types: 0-main stream (default), 1-sub-stream. And this field can contain up to 32 characters. |
| protocol | Opt. | String | Body | Streaming protocol (application layer protocol) types: "rtsp" (default), "websocket" (for JsDecoder SDK), "rtsp_s" (for getting stream via standard RTSP). And this field can contain up to 16 characters. |
| transmode | Opt. | Number | Body | Transfer protocol types: 0-UDP, 1-TCP (default). And this field can contain up to 32 characters. |
| requestWebSocketProtocol | Opt. | Number | Body | Streaming type of websocket: 0-ws, 1-wss. This parameter is required when the value of protocol is "websocket". |

Request Example

```
{
  "cameraIndexCode": "1",
  "streamType": 0,
  "protocol": "rtsp",
  "transmode": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Live view URL information. See details in <i>LiveViewUrlInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "url": "[sms:preview]rtsp://10.41.13.178:554/hikvision://10.41.7.66:8001:0:0",
    "authentication": "Fsd8eugj2+RYG6EKEgN8/EHy6o5XPdkxD8t7Dy+EH6moE4G0X9+60C7PucJ8TIZOJHpXIM0y+DwPdkSiALHgLmcWShmtWnKnfD5lhfDSMakMUxtlqfqOalXw5AAcSxoz76LkR8qzI8IKncuhXO9RslvYiCOUJN/b3tmwUH999oWgJbX6jd3mN/p3FPgi4NtkbADKKnjEY8NI9cPDcHaMfv+oJCYF0aVCjI3BU9AnPY="
  }
}
```

5.4.6 POST /artemis/api/video/v1/cameras/talkURLs

Get streaming URL for two-way audio.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/cameras/talkURLs

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| domainId | Opt. | Number | Header | Domain ID, which consists of up to 32 characters. |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| transmode | Opt. | Number | Body | Transfer protocol types: 0-UDP, 1-TCP (default). And this field can contain up to 32 characters. |

Request Example

```
{
  "cameraIndexCode": "1",
  "transmode": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Two-way audio URL information. Refer to TwoWayAudioUrlInfo for details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "url": "[sms:voicetalk]rtsp://10.41.13.178:554/voicetalk://10.41.7.66:8001:0:0",
    "authentication": "Fsd8eugj2+RYG6EKEgN8/EHy6o5XPdkxD8t7Dy+EH6moE4G0X9+60C7PucJ8TIZOJHpXIM0y+DwPdkSiALHgLmcWShmtWnKnFD5lhfDSMakMUxtlqfQOalXw5AAcSxoz76LkR8qzI8IKncuhXO9RslvYiCOUJN/b3tmwUH999oWgJbX6jd3mN/p3FPgi4NtkbADKKnmjEY8NI9cPDcHaMfV+oJCYF0aVCjI3BU9AnPY="
  }
}
```

5.4.7 POST /artemis/api/video/v1/patrols/addition

Add a patrol to a camera.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/patrols/addition

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| patrolName | Opt. | String | Body | Patrol name, which consists of up to 128 characters. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------------|--------------|-----------|----------------|---|
| patrolIndex | Req. | Number | Body | Patrol No., which ranges from 1 to 8. And the No. consists of up to 64 characters. |
| patrolPointInfoList | Req. | Array | Body | Preset information list of the patrol. |
| patrolPointInfoList[0] | Req. | Object | Body | Information of a preset in the preset list of the patrol. Refer to <i>PatrolPointInfo</i> for details. |

Request Example

```
{
  "cameraIndexCode": "89",
  "patrolIndex": 1,
  "patrolName": "1",
  "patrolPointInfoList": [
    {
      "presetIndex": 1,
      "speed": 1,
      "dwellTime": 15
    }
  ]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | / | Set it to null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.4.8 POST /artemis/api/video/v1/patrols/deletion

Delete a patrol of a camera.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/patrols/deletion

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| patrollIndex | Req. | Number | Body | Patrol No., which ranges from 1 to 8. And the No. consists of up to 64 characters. |

Request Example

```
{
  "cameraIndexCode": "89",
  "patrollIndex": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| | | | to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | / | Set it to null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.4.9 POST /artemis/api/video/v1/patrols/patrolIndex/patrolInfo

Get the patrol information of a camera by patrol No.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/patrols/patrolIndex/patrolInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| patrolIndex | Req. | Number | Body | Patrol No., which consists of up to 64 characters. |

Request Example

```
{
  "cameraIndexCode": "89",
  "patrollIndex": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Patrol information. See details in <i>PatrollInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "patrollIndex": 1,
    "patrolName": "1"
  }
}
```

5.4.10 POST /artemis/api/video/v1/patrols/searches

Search for the patrol information of a camera.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/patrols/searches

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |

Request Example

```
{
  "cameraIndexCode": "89"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| list | Opt. | Array | Patrol information list. |
| list[0] | Opt. | Object | Information of a patrol in the list. Refer to PatrolInfo for details. |

Response Example

```
{
  "code": "0",
```

```

"msg": "Success",
"data": {
  "total": 1,
  "list": [
    {
      "patrolName": "1",
      "patrolIndex": 1
    }
  ]
}
}

```

5.4.11 POST /artemis/api/video/v1/presets/addition

Add a preset to a camera.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/presets/addition

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/ \ : * ? " < > |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| presetName | Req. | String | Body | Preset name, which can be duplicated. And it consists up of up to 128 characters. |
| presetIndex | Req. | Number | Body | Preset No., which ranges from 1 to 256. And the No. consists of up to 64 characters. |

Request Example

```

{
  "cameraIndexCode": "89"
  "presetName": "2",
  "presetIndex": 2
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | | Set it to null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.4.12 POST /artemis/api/video/v1/presets/deletion

Delete a preset of a camera.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/presets/deletion

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| | | | | contain special characters like '/\ : * ? " < > |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| presetIndex | Req. | Number | Body | Preset No., which ranges from 1 to 256. And each No. consists of up to 64 characters. |

Request Example

```
{
  "cameraIndexCode": "89",
  "presetIndex": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | / | Set it to null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```


5.4.13 POST /artemis/api/video/v1/presets/searches

Search for the preset information of a camera.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/presets/searches

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |

Request Example

```
{
  "cameraIndexCode": "89"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| list | Opt. | Array | Preset information list. |
| list[0] | Opt. | Object | Information of a preset in the list. Refer to <i>PresetInfo</i> for details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "list": [
      {
        "presetName": "1",
        "presetIndex": 1
      }
    ]
  }
}
```

5.4.14 POST /artemis/api/video/v1/ptzs/controlling


Control the PTZ after starting live view.



Request URL

https://[serverAddress]:[serverPort]/artemis/api/video/v1/ptzs/controlling

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| action | Req. | Number | Body | Start or stop control: 0-start, 1-stop. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------|--------------|-----------|----------------|--|
| command | Req. | String | Body | PTZ control commands (case insensitive): "LEFT" (pan left), "RIGHT" (pan right), "UP" (tilt up), "DOWN" (tilt down), "ZOOM_IN" (zoom in), "ZOOM_OUT" (zoom out), "LEFT_UP" (pan left and tilt up), "LEFT_DOWN" (pan left and tilt down), "RIGHT_UP" (pan right and tilt up), "RIGHT_DOWN" (pan right and tilt down), "FOCUS_NEAR" (focus +), "FOUCS_FAR" (focus -), "IRIS_ENLARGE" (iris +), "IRIS_REDUCE" (iris -), "GOTO_PRESET" (call preset), and "RUN_PATROL" (call patrol). The field can contain up to 16 characters. |
| speed | Opt. | Number | Body | PTZ control speed, which ranges from 20 and 60, and the default speed is 40.  Note This field is Opt. only when the control commands are "GOTO_PRESET" and "RUN_PATROL". For other commands, this field is Req.. |
| presetIndex | Opt. | Number | Body | Preset No., which ranges from 1 to 256. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------|--------------|-----------|----------------|--|
| | | | |  Note This field is Req. when the control command is "GOTO_PRESET". |
| patrollIndex | Opt. | Number | Body | Patrol No., which ranges from 1 to 8.  Note This field is Req. when the control command is "RUN_PATROL". |

Request Example

```
{
  "cameraIndexCode": "89",
  "command": "GOTO_PRESET",
  "presetIndex":1,
  "action": 0,
  "speed": 40,
  "PatrollIndex": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | / | Set it to null. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.5 Alarm and Event API

Here provides APIs for event and alarm search, getting event and alarm picture, alarm acknowledgment, event subscription, generic event rule management, and so on.

5.5.1 POST /artemis/api/eventService/v1/eventRecords/controlling

Acknowledge the alarm.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/eventRecords/controlling

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| eventIndexCode | Req. | String | Body | Event ID, which consists of up to 64 characters. |
| controlType | Req. | Number | Body | Operation type: 1-acknowledge alarm |

Request Example

```
{
  "eventIndexCodes":"1f276203e5234bdca08f7d99e1097bba",
  "controlType":1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description contains up to 256 characters. |
| data | Opt. | String | No data returned. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.5.2 POST /artemis/api/eventService/v1/eventRecords/page

Set search conditions (e.g., event ID, event source, event type, etc.) to search for alarm or event details, and the search results will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/eventRecords/page

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------------|--------------|-----------|----------------|---|
| | | | | contain special characters like <code>'/\ : * ? " < > </code> |
| eventIndexCode | Opt. | String | Body | Event ID, which consists of up to 64 characters. If this field is not configured, the eventTypes , srcType , or srcIndexes fields must be configured. |
| eventTypes | Req. | String | Body | Event type, which can be separated by comma if there are multiple types, refer to <i><u>Event Types or Alarm Categories</u></i> for details. And the field can contain up to 1024 characters. |
| srcType | Req. | String | Body | Event source type: "region" (area), "acsDevice" (access controller), "door" (access point), "encodeDevice" (encoding device), "camera", "ioIn" (alarm input), "ioOut" (alarm output), "generalEventRule" (general event). And the field can contain up to 64 characters. Refer to <i><u>Event Types or Alarm Categories</u></i> for details. |
| srcIndexes | Req. | String | Body | Event source No., which can be separated by command if there are multiple No.s. And the No. consists of up to 1024 characters. |
| subSrcType | Opt. | String | Body | Event source type, which is available for license plate matched or mismatched event search. The maximum length is |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------|--------------|-----------|----------------|--|
| | | | | 64 bytes. Refer to <i>Event Types or Alarm Categories</i> for details. |
| subSrcIndexs | Opt. | String | Body | Event source No., which is available for license plate matched or mismatched event search. Each two No. should be separated by comma. The maximum length is 1024 bytes. |
| startTime | Req. | String | Body | Start time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time contains up to 64 characters. |
| endTime | Req. | String | Body | End time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time contains up to 64 characters. |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

 **Note**

The days between start time and end time should be no more than 31 days.

Request Example

```
{
  "eventIndexCode": "12321432154316547",
  "eventTypes": "131329",
  "srcType": "camera",
  "srcIndexs": "1",
```



```

"startTime": "2018-07-26T15:00:00+08:00",
"endTime": "2018-07-26T16:00:00+08:00",
"pageNo": 1,
"pageSize": 15
}
    
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Event record list. |
| list[0] | Opt. | Object | Information of an event record in the list. See details in <i>EventRecord</i> . |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 15,
    "list": [
      {
        "eventIndexCode": "12321432154316547",
        "eventType": "131329",
        "srcType": "camera",
        "srcIndex": "1",
        "description": "abc",
      }
    ]
  }
}
    
```

```

    "startTime": "2018-07-26T15:00:00+08:00",
    "stopTime": "2018-07-26T16:00:00+08:00",
    "eventPicUri": "0B4E92A30AF914C1285613A4FBD9F761F ",
    "linkCameraIndexCode": "2"
  }
]
}
}

```

5.5.3 POST /artemis/api/eventService/v1/eventSubscriptionByEventTypes

Subscribe the events by event type.


Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/eventSubscriptionByEventTypes

Request URL

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| eventTypes | Req. | Number | Body | Event type code, which is a decimal integer, refer to <i>Event Types or Alarm Categories</i> for details. Up to 256 types are supported, whose codes are between 100000 and 2147483647. |
| eventDest | Req. | String | Body | Address to receive event information, which consists of up to 1024 characters. The address adopts RESTful callback mode, and supports HTTP and HTTPS, its format is "http://ip:port/eventRcv" or "https://ip:port/eventRcv". |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|---|
| | | | |  Note Refer to <i>Event Message Format</i> for the event details received in the address. |

Request Example

```
{
  "eventTypes":[131329,131330,131331],
  "eventDest":"https://10.18.66.21:8080/eventRcv"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description contains up to 256 characters. |

Response Example

```
{
  "code": 0,
  "msg": "Success"
}
```

5.5.4 POST /artemis/api/eventService/v1/eventSubscriptionView

Subscribe the events specified by user.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/eventSubscriptionView

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description contains up to 256 characters. |
| data | Opt. | Object | Response data details. |
| detail | Req. | List of | Details list of subscribed events. |
| detail[0] | Req. | Object | Details of a subscribed event. Refer to SubscriptionInfo for details. |

Response Example

```
{
  "code": 0,
  "msg": "Success",
  "data": {
    "detail": [
      {
        "eventTypes": [131329, 131330, 131331],
        "eventDest": " https://10.18.66.21:8080 /eventRcv "
      }
    ]
  }
}
```

```
]
}
}
```

5.5.5 POST /artemis/api/eventService/v1/eventUnSubscriptionByEventTypes

Cancel subscribing events by event type.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/eventUnSubscriptionByEventTypes

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| eventTypes | Req. | Number | Body | Event type code, which is a decimal integer, refer to <i>Event Types or Alarm Categories</i> for details. Up to 256 types are supported, whose codes are between 100000 and 2147483647. |

Request Example

```
{
  "eventTypes":[131329,131330,131331]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|------------|--------------|-----------|--|
| | | | Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description contains up to 256 characters. |

Response Example

```
{
  "code": 0,
  "msg": "Success",
}
```

5.5.6 POST /artemis/api/eventService/v1/generalEventRule/generalEventRuleList

Get the information list of generic events.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/generalEventRule/generalEventRuleList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Information list of generic events. |
| list[0] | Opt. | Object | Information about a specific generic event. See details in GeneralEventRule . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 3,
    "pageNo": 1,
    "pageSize": 1,
    "list": [
      {
        "generalEventRuleIndexCode": "1",
        "generalEventRuleName": "1",

```

```

"transportType": 0,
"matchType": 0,
"expression": "\"1\" AND \"1\"",
"regularExpression": "(1.*1|1.*1)"
}
]
}
}

```

5.5.7 POST /artemis/api/eventService/v1/generalEventRule/single/add

Customize the expression to add a generic event.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/eventService/v1/generalEventRule/single/add](https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/generalEventRule/single/add)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| generalEventRuleName | Req. | String | Body | Name of the generic event, which consists of up to 32 characters. |
| transportType | Req. | Number | Body | Transmission type: 0-TCP, 1-UDP. The maximum length is 32 characters. |
| matchType | Req. | Number | Body | Match type: 0-search (the received data package must contain the text specified in expression , but may also have more content), 1-match (the received data package must contain exactly the text specified in expression , and nothing else). The maximum length is 64 characters. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------|--------------|-----------|----------------|--|
| expression | Req. | String | Body | Description of the regular expression, which consists of up to 256 characters. |
| regularExpression | Req. | String | Body | Regular expression of the generic event, which consists of up to 256 characters. |

Request Example

```
{
  "generalEventRuleName": "name1",
  "transportType": 0,
  "matchType": 0,
  "expression": "\"1\" AND \"2\"",
  "regularExpression": "(1.*2|2.*1)"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.5.8 POST /artemis/api/eventService/v1/generalEventRule/single/delete

Delete a generic event.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/generalEventRule/single/delete

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| generalEventRuleIndexCode | Req. | String | Body | Generic event ID, which consists of up to 64 characters. |

Request Example

```
{
  "generalEventRuleIndexCode": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.5.9 POST /artemis/api/eventService/v1/generalEventRule/single/update

Edit a generic event.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/generalEventRule/single/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| generalEventRuleIndexCode | Req. | String | Body | Generic event ID, which consists of up to 64 characters. |
| generalEventRuleName | Req. | String | Body | Generic event name, which consists of up to 32 characters. |
| transportType | Req. | Number | Body | Transmission type: 0-TCP, 1-UDP. The maximum length is 32 characters. |
| matchType | Req. | Number | Body | Match type: 0-search (the received data package must contain the text specified in expression , but may also have more content), 1-match (the received data package must contain exactly the text specified in expression , and nothing else). The maximum length is 64 characters. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------|--------------|-----------|----------------|--|
| expression | Req. | String | Body | Description of the regular expression, which consists of up to 256 characters. |
| regularExpression | Req. | String | Body | Regular expression of the generic event, which consists of up to 256 characters. |

Request Example

```
{
  "generalEventRuleIndexCode": "1",
  "generalEventRuleName": "name2",
  "transportType": 0,
  "matchType": 0,
  "expression": "\"1\" AND \"2\"",
  "regularExpression": "(1.*2|2.*1)"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.5.10 POST /artemis/api/eventService/v1/generalEventRule/triggerAlarm

Configure parameters to enable receiving the generic events By default, the recipient is admin and the linked camera is the one with storage configured.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/generalEventRule/triggerAlarm

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| generalEventRuleIndexCodes | Req. | String | Body | Generic event ID (separate multiple items with comma, currently only one ID is supported). The maximum length is 32 characters. |
| description | Req. | String | Body | Description. The maximum length is 128 characters. |
| alarmPriority | Req. | Number | Body | Alarm priority: 1-high, 2-medium, 3-low. The maximum length is 64 characters. |
| triggerPopupWindows | Opt. | Number | Body | Whether it triggers pop-up window: 0-no, 1-yes. The maximum length is 256 characters. |
| linkCameraList | Opt. | Array | Body | List of linked camera. |
| linkCameraList [0] | Opt. | Object | Body | Information of linked camera. |
| cameraIndexCode | Req. | String | Body | Camera ID. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| recordType | Opt. | Number | Body | Recording type: 0-main recording, 1-auxiliary recording. |
| defaultPlayType | Opt. | Number | Body | Default type of video play: 0-live view, 1-playback. |

Request Example

```
{
  "generalEventRuleIndexCodes": "1",
  "description": "descriptioninfo",
  "alarmPriority": 1,
  "triggerPopupWindows": 0,
  "linkCameraList": [
    {
      "cameraIndexCode": "1",
      "recordType": 0
    }
  ],
  "defaultPlayType": 0
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
```

```
"msg": "Success",
"data": ""
}
```

5.5.11 POST /artemis/api/eventService/v1/image_data

Get alarm pictures from the searched alarm or event information by picture URL.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/eventService/v1/image_data

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| domainId | Opt. | String | Header | Domain ID, which is used in the streaming URL and consists of up to 16 characters. If this field is not configured, the value will be determined by the request. |
| picUri | Req. | String | Body | Picture URL, which consists of up to 256 characters. |

Request Example

```
{
  "picUri": "/pic?=d7ei703i10cd*73a-d5108a--22cd0c9d6592aiid="
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| | | | Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description contains up to 256 characters. |
| data | Opt. | String | Binary picture data in the response. |

Response Example

```
"data:image/jpeg;base64,/9j/4AAQSkzFYSEbxpSTWII7Ib2dtYSUW4zd9E/K/U+h9Ls49L0y20yFyy29ukSs3UhVAB/SigyEjFFG5+2RioRUV0P/2Q=="
```

5.6 Visitor API

5.6.1 POST /artemis/api/visitor/v1/appointment

Add a visitor's information for checking in.

Remark

We recommend that you use the API (***POST /artemis/api/visitor/v1/registerment***), which will take the place of the old one (***POST /artemis/api/visitor/v1/appointment***).

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/appointment

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|---|
| | | | | contain special characters like <code>'/\ : * ? " < > </code> |
| receptionistId | Opt. | String | Body | ID of the person to be visited, which consists of up to 64 characters. |
| visitStartTime | Req. | String | Body | Check-in time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07- 26T15:00:00 + 08:00". The maximum length is 64 bytes. |
| visitEndTime | Req. | String | Body | Check-out time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07- 26T15:00:00 + 08:00". The maximum length is 64 bytes. If the visitor has checked out, all permissions assigned to the visitor will be unassigned. |
| visitPurposeType | Req. | Number | Body | Visiting purpose type: 0-business, 1-training, 2-visit, 3-meeting, 4-others. |
| visitPurpose | Opt. | String | Body | Visiting purpose, which consists of up to 128 characters. |
| visitorInfoList | Req. | Array | Body | List of visitor information, which consists of up to 128 characters. |
| visitorInfoList[0] | Req. | Object | Body | A visitor information. See details in <i>VisitorInfo</i> . Currently, it only supports adding one visitor at a time. |

Request Example

```
{
  "receptionistId": "",
  "visitStartTime": "2018-07-26T15:00:00+08:00",
  "visitEndTime": "2018-07-26T16:00:00+08:00",
  "visitPurposeType": 0,
  "visitPurpose": "visitor",
  "visitorInfoList": [
    {
      "VisitorInfo": {
        "visitorFamilyName": "san",
        "visitorGivenName": "zhang",
        "gender": 1,
        "email": "999999@qq.com",
        "phoneNo": "13600000000",
        "plateNo": "A666",
        "companyName": "AAA",
        "certificateType": 111,
        "certificateNo": "null",
        "remark": "visitor",
        "faces": [
          {
            "faceData": "/9j/4AAQSkZRGABAEAAAAD/4QBCRXhpZgAATU.."
          }
        ],
        "fingerPrint": [
          {
            "fingerPrintIndexCode": "1",
            "fingerPrintName": "fringe_pringt_01",
            "fingerPrintData": "46504D228697F1AD0146C8D00",
            "relatedCardNo": "123456"
          }
        ],
        "cards": [
          {
            "cardNo": "123456"
          }
        ]
      }
    }
  ]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| appointRecordId | Opt. | String | Reservation record ID, which consists of up to 64 characters. |
| visitorId | Opt. | String | Visitor ID, which consists of up to 64 characters. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "appointRecordId": "1",
    "visitorId": "2"
  }
}
```

5.6.2 POST /artemis/api/visitor/v1/appointment/update

Edit a visitor's information for checking in. Currently, editing visitors in a batch is not supported.

Remark

We recommend that you use the API (***POST /artemis/api/visitor/v1/registerment/update***), which will take the place of the old one (***POST /artemis/api/visitor/v1/appointment/update***).

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/appointment/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>'/\ : * ? " < > </code> |
| appointRecordId | Req. | String | Body | Reservation record ID, which consists of up to 64 characters. |
| receptionistId | Opt. | String | Body | ID of the person to be visited, which consists of up to 16 characters. |
| visitStartTime | Req. | String | Body | Check-in time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 64 bytes. |
| visitEndTime | Req. | String | Body | Check-out time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 64 bytes. |
| visitPurposeType | Req. | Number | Body | Visiting purpose type: 0-business, 1-training, 2-visit, 3-meeting, 4-others. |
| visitPurpose | Opt. | String | Body | Visiting purpose. |
| visitorInfoList | Req. | Array | Body | List of visitor information, which consists of up to 128 characters. |
| visitorInfoList[0] | Req. | Object | Body | Information about a visitor. See details in VisitorInfo . |

Request Example

```
{
  "appointRecordId": "1",
  "receptionistId": "1",
  "visitStartTime": "2018-07-26T15:00:00+08:00",
  "visitEndTime": "2018-07-26T16:00:00+08:00",
  "visitPurposeType": 0,
  "visitPurpose": "visitor",
  "visitorInfoList": [
    {
      "VisitorInfo": {
        "visitorFamilyName": "san",
        "visitorGivenName": "zhang",
        "gender": 1,
        "email": "null",
        "phoneNo": "13600000000",
        "plateNo": "BBBA",
        "companyName": "AAA",
        "certificateType": 111,
        "certificateNo": "null",
        "remark": "null",
        "faces": [
          {
            "faceData": "/9j/4AAQSkZJRgABAQEAAAAAAAAAD/4QBCRXhpZgAATU.."
          }
        ],
        "fingerPrint": [
          {
            "fingerPrintIndexCode": "1",
            "fingerPrintName": "fringe_pringt_01",
            "fingerPrintData": "46504D228697F1AD0146C8D00",
            "relatedCardNo": "123456"
          }
        ],
        "cards": [
          {
            "cardNo": "123456"
          }
        ]
      }
    }
  ]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| appointRecordId | Opt. | String | Reservation record ID, which will change each time the visitor information is updated. The maximum length is 64 characters. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data":
}
```

5.6.3 POST /artemis/api/visitor/v1/registerment

Check in a visitor.

Remark

We recommend that you use the API (***POST /artemis/api/visitor/v1/registerment***), which will take the place of the old one (***POST /artemis/api/visitor/v1/appointment***), for checking in a visitor.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/registerment

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>'/\ : * ? " < > </code> |
| receptionistId | Opt. | String | Body | ID of the person to be visited, which consists of up to 64 characters. |
| appointId | Opt. | String | Body | Reservation record ID, which consists of up to 64 characters. |
| visitorId | Opt. | String | Body | Visitor ID, which consists of up to 64 characters. |
| visitStartTime | Req. | String | Body | Check-in time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07- 26T15:00:00 + 08:00". The maximum length is 64 characters. |
| visitEndTime | Req. | String | Body | Check-out time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07- 26T15:00:00 + 08:00". The maximum length is 64 characters. After the visitor checks out, all permissions assigned to the visitor will be invalid. |
| visitPurposeType | Req. | Number | Body | Visiting purpose type: 0-business, 1-training, 2-visit, 3-meeting, 4-others. |
| visitPurpose | Opt. | String | Body | Visiting purpose, which consists of up to 128 characters. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|--|
| visitorInfoList | Req. | Array | Body | List of visitor information, which consists of up to 128 characters. Currently, it only supports adding one visitor at a time. |
| visitorInfoList[0] | Req. | Object | Body | A visitor information. See details in <i>VisitorInfo</i> . |

Request Example

```

{
  "receptionistId": "",
  "visitStartTime": "2018-07-26T15:00:00+08:00",
  "visitEndTime": "2018-07-26T16:00:00+08:00",
  "visitPurposeType": 0,
  "visitPurpose": "visitor",
  "visitorInfoList": [{
    "VisitorInfo": {
      "visitorFamilyName": "san",
      "visitorGivenName": "zhang",
      "gender": 1,
      "email": "999999@qq.com",
      "phoneNo": "13600000000",
      "plateNo": "A666",
      "companyName": "AAA",
      "certificateType": 111,
      "certificateNo": "null",
      "remark": "visitor",
      "faces": [{
        "faceData": "/9j/4AAQSkZRGABAEAAAAAAAAAD/4QBCRXhpZgAATU.."
      }],
      "fingerPrint": [{
        "fingerPrintIndexCode": "1",
        "fingerPrintName": "fringe_pringt_01",
        "fingerPrintData": "46504D228697F1AD0146C8D00",
        "relatedCardNo": "123456"
      }],
      "cards": [{
        "cardNo": "123456"
      }
    ]
  }
}

```


Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| appointRecordId | Opt. | String | Reservation record ID, which consists of up to 64 characters. |
| visitorId | Opt. | String | Visitor ID, which consists of up to 64 characters. |

Request Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "appointRecordId": "1",
    "visitorId": "2"
  }
}
```

5.6.4 POST /artemis/api/visitor/v1/registerment/update

Edit a visitor's information for checking in.

Remark

We recommend that you use the API (***POST /artemis/api/visitor/v1/registerment/update***), which will take the place of the old one (***POST /artemis/api/visitor/v1/appointment/update***).

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/registerment/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>'/\: * ? " < > </code> |
| appointRecordId | Req. | String | Body | Reservation record ID, which consists of up to 64 characters. |
| receptionistId | Opt. | String | Body | ID of the person to be visited, which consists of up to 16 characters. |
| visitStartTime | Req. | String | Body | Check-in time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 64 characters. |
| visitEndTime | Req. | String | Body | Check-out time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 64 characters. After the visitor checks out, all permissions assigned to the visitor will be invalid. |
| visitPurposeType | Req. | Number | Body | Visiting purpose type: 0-business, 1-training, 2-visit, 3-meeting, 4-others. |
| visitPurpose | Opt. | String | Body | Visiting purpose. The maximum length is 128 characters. |
| visitorInfoList | Req. | Array | Body | List of visitor information, which consists of up to 128 characters. Currently, it only |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|---|
| | | | | supports editing one visitor at a time. |
| visitorInfoList[0] | Req. | Object | Body | Information about a visitor. See details in VisitorInfo . |

Request Example

```
{
  "appointRecordId": "1",
  "receptionistId": "1",
  "visitStartTime": "2018-07-26T15:00:00+08:00",
  "visitEndTime": "2018-07-26T16:00:00+08:00",
  "visitPurposeType": 0,
  "visitPurpose": "visitor",
  "visitorInfoList": [
    {
      "VisitorInfo": {
        "visitorFamilyName": "san",
        "visitorGivenName": "zhang",
        "gender": 1,
        "email": "null",
        "phoneNo": "13600000000",
        "plateNo": "BBBA",
        "companyName": "AAA",
        "certificateType": 111,
        "certificateNo": "null",
        "remark": "null",
        "faces": [
          {
            "faceData": "/9j/4AAQSkZJRgABAQEAAAAD/4QBCRXhpZgAATU.."
          }
        ],
        "fingerPrint": [
          {
            "fingerPrintIndexCode": "1",
            "fingerPrintName": "fringe_pringt_01",
            "fingerPrintData": "46504D228697F1AD0146C8D00",
            "relatedCardNo": "123456"
          }
        ],
        "cards": [
          {
            "cardNo": "123456"
          }
        ]
      }
    }
  ]
}
```

```
}
]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| appointRecordId | Opt. | String | Reservation record ID, which will change each time you edit the visitor information. The maximum length is 64 characters. |

Request Example

```
{
  "code": "0",
  "msg": "Success",
  "data":
}
```

5.6.5 POST /artemis/api/visitor/v2/appointment

Make a reservation for a visitor.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v2/appointment

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>'/\: * ? " < > </code> |
| receptionistId | Opt. | String | Body | ID of the person to be visited, which can be obtained via <i>POST /artemis/api/resource/v1/person/advance/personList</i> and consists of up to 64 characters. |
| appointStartTime | Req. | String | Body | Expected time of arrival in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. |
| appointEndTime | Req. | String | Body | Expected time of leaving in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. If the visitor has checked out, all permissions assigned to the visitor will be unassigned. |
| visitReasonType | Req. | Number | Body | Visiting purpose type: 0-business, 1-training, 2-visit, 3-meeting, 4-others. |
| visitReasonDetail | Opt. | String | Body | Visiting purpose, this parameters is required when the value of visitReasonType is |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|---------------------------|----------------|--|
| | | | | 4. The maximum length is 128 characters. |
| visitorInfoList | Req. | Array | Body | List of visitor information, which consists of up to 128 characters. Currently, it only supports adding one visitor at a time. |
| visitorInfoList[0] | Req. | Object | Body | A visitor information. See details in <i>VisitorInfo</i> . |
| accessInfo | Opt. | Array | Body | List of the visitor's access permission, which consists of up to 128 characters. |
| accessInfo[0] | Opt. | <i>AccessLevel</i> | Body | Visitor's access permission. |

Request Example

```
{
  "receptionistId":"2",
  "appointStartTime":"2021-05-09T15:00:00+08:00",
  "appointEndTime":"2021-05-14T15:00:00+08:00",
  "visitReasonType":0,
  "visitReasonDetail":"null",
  "visitorInfoList":[
    {
      "VisitorInfo":{
        "visitorFamilyName":"mmm",
        "visitorGivenName":"yyyy",
        "gender":1,
        "email":"1@qq.com",
        "phoneNo":"13600000000",
        "plateNo":"Zhe A",
        "companyName":"hik",
        "certificateType":111,
        "certificateNo":"ddd2234",
        "remark":"null",
        "faces":[
          {
            "faceData":"/9j/4AAQSkZRgABAQEAAAAAAAAAD/4QBCRXhpZgAATU.."
          }
        ],
        "identiPhoto":{
          {
            "identiPhotoData":"/9j/4AAQSkZRgABAQEAAAAAAAAAD/4QBCRXhpZgAATU.."
          }
        }
      }
    }
  ]
}
```

```

    }
  ],
  "customField":[
    {
      "customID":"1",
      "customFieldName":"","
      "customFieldType":0,
      "customFieldValue":""
    }
  ]
}
],
"accessInfo": {
  "accessLevelList": [
    {
      "accessLevel": {
        "id": 1,
        "baseInfo": {
          "name": "1"
        }
      }
    }
  ]
}
}
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| appointRecordId | Opt. | String | Reservation record ID, which consists of up to 64 characters. |

| Parameter | Req. or Opt. | Data Type | Description |
|--------------------|--------------|-----------|--|
| visitorId | Opt. | String | Visitor ID, which consists of up to 64 characters. |
| AppointCode | Opt. | String | Reservation code, which consists of up to 64 characters. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "appointRecordId": "1",
    "visitorId": "2",
    "AppointCode": "5080"
  }
}
```

5.6.6 POST /artemis/api/visitor/v1/appointment/single/delete

Delete a visitor's reservation record.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/appointment/single/delete

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| appointRecordId | Req. | String | Body | Reservation record ID, which consists of up to 64 characters. |

Request Example

```
{
  "appointRecordId": "5"
}
```


Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Request Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.6.7 POST /artemis/api/visitor/v2/appointment/update

Edit a visitor's reservation record.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v2/appointment/update

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| appointRecordId | Req. | String | Body | Reservation record ID, which consists of up to 64 characters. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|---|
| receptionistId | Opt. | String | Body | ID of the person to be visited, which consists of up to 64 characters. |
| appointStartTime | Req. | String | Body | Expected time of arrival in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. |
| appointEndTime | Req. | String | Body | Expected time of leaving in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. If the visitor has checked out, all permissions assigned to the visitor will be unassigned. |
| visitReasonType | Req. | Number | Body | Visiting purpose type: 0-business, 1-training, 2-visit, 3-meeting, 4-others. |
| visitReasonDetail | Opt. | String | Body | Visiting purpose, this parameters is required when the value of visitReasonType is 4. The maximum length is 128 characters. |
| visitorInfoList | Req. | Array | Body | List of visitor information, which consists of up to 128 characters. Currently, it only supports editing one visitor's information at a time. |
| visitorInfoList[0] | Req. | Object | Body | A visitor information. See details in <i>VisitorInfo</i> . |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------|--------------|---------------------------|----------------|--|
| accessInfo | Opt. | Array | Body | List of the visitor's access permission, which consists of up to 128 characters. |
| accessInfo[0] | Opt. | <u>AccessLevel</u> | Body | Visitor's access permission. |

Request Example

```
{
  "receptionistId": "",
  "appointStartTime": "2020-10-26T15:00:00+08:00",
  "appointEndTime": "2020-10-29T15:00:00+08:00",
  "visitReasonType": 0,
  "visitReasonDetail": "null",
  "visitorInfoList": [{
    "VisitorInfo": {
      "visitorFamilyName": "null",
      "visitorGivenName": "null",
      "gender": 1,
      "email": "",
      "phoneNo": "13600000000",
      "plateNo": "A",
      "companyName": "hik",
      "certificateType": 111,
      "certificateNo": "null",
      "remark": "null",
      "faces": "null",
      "customField": [{
        "customID": "1",
        "customFieldName": "",
        "customFieldType": 0,
        "customFieldValue": ""
      }]
    }
  ]},
  "accessInfo": {
    "accessLevelList": [{
      "accessLevel": {
        "id": 1,
        "baseInfo": {
          "name": "1"
        }
      }
    ]}
  ]}
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| appointRecordId | Opt. | String | Reservation record ID, which will change each time you edit the visitor information. The maximum length is 64 characters. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "appointRecordId": "6",
    "visitorId": "5",
    "appointCode": "6582"
  }
}
```

5.6.8 POST /artemis/api/visitor/v1/visitor/out

Check out a visitor and the visitor's access permission will be revoked.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/visitor/out

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| appointRecordId | Req. | String | Body | Reservation record ID. |

Request Example

```
{
  "appointRecordId": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data":
}
```

5.6.9 POST /artemis/api/visitor/v1/appointment/appointmentlist

Get the list of reservation records.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/appointment/appointmentlist

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| appointStartTime | Req. | String | Body | Expected time of arrival in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. |
| appointEndTime | Req. | String | Body | Expected time of leaving in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. If the visitor has checked out, all permissions assigned to the visitor will be unassigned. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------|--------------|-----------|----------------|--|
| visitorName | Opt. | String | Body | Visitor's name, which consists up to 64 characters. |
| companyName | Opt. | String | Body | Name of the company, which consists of up to 64 characters. |
| interviewName | Opt. | String | Body | Name of the person to be visited, which consists of up to 64 characters. |
| appointCode | Opt. | String | Body | Reservation code, which consists of up to 64 characters. |
| identiCode | Opt. | String | Body | ID Card number, which consists of up to 64 characters. |
| phoneNo | Opt. | String | Body | Phone number, which consists of up to 64 characters. |
| appointState | Opt. | String | Body | Reservation status: 0 (reservation record has been added); 1 (reservation has been invalid); 2 (visitor has arrived). The maximum length is 64 characters. |
| visitorReason | Opt. | String | Body | Visiting purpose, which consists of up to 64 characters. |

Request Example

```

{
  "pageNo": 1,
  "pageSize": 100,
  "appointStartTime": "2021-04-09T15:00:00+08:00",
  "appointEndTime": "2021-05-19T15:00:00+08:00",
  "visitorName": "sad",
  "companyName": "AAA",
  "interviewName": "",
  "appointCode": "",
  "identiCode": "111",
  "phoneNo": "",
  "appointState": "",
  "visitorReason": 4
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|--|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of matched results, the maximum length is 32 characters. |
| pageNo | Opt. | Number | The current page No, the maximum length is 32 characters. |
| pageSize | Opt. | Number | Number of records on each page, the maximum length is 32 characters. |
| list | Opt. | Array | Reservation record list. |
| list[0] | Opt. | <i>VisitorappointInf</i> <i>o</i> | Information of a reservation record. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 100,
    "list": [{
      "appointStartTime": "2021-05-06T17:00:39+08:00",
      "appointEndTime": "2021-05-06T23:59:59+08:00",
      "appointCode": "5905",
      "appointID": "5",
      "visitReasonType": 4,
      "visitorReasonName": "other",
      "visitReasonDetail": "123",
      "appointStatus": 0,

```



```

"visitorInfo": {
  "visitorId": "4",
  "email": "",
  "remark": "",
  "visitorFamilyName": "sdasd",
  "visitorGivenName": "sad",
  "visitorName": "sad sdasd",
  "gender": 1,
  "plateNo": "",
  "phoneNo": "",
  "companyName": "hik",
  "certificateType": 111,
  "certificateNo": "1234567",
  "visitorPhoto": {
    "haveVisitorPhoto": 0,
    "haveIdentiPhoto": 0
  }
}
}
}}
}
}

```

5.6.10 POST /artemis/api/visitor/v1/appointment/downloadpicture

Get the picture of a visitor.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/visitor/v1/appointment/downloadpicture](https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/appointment/downloadpicture)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| visitorId | Req. | String | Body | Visitor ID, which consists of up to 64 characters. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------|--------------|-----------|----------------|--|
| picUrl | Req. | String | Body | URL of the visitor's picture used for reservation, which consists of up to 256 characters. |
| picType | Req. | String | Body | Picture type: 0-small picture, 1-big picture, 3-ID photo. The maximum length is 64 characters. |

Request Example

```
{
  "visitorId": "1",
  "picType": "0"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Request Example

```
"data:image/jpeg;base64,/9j/4AAQSkzFYSEbxpSTWII7Ib2dtYSUW4zd9E/K/U+h9Ls49L0y20yFyy29ukSs3UhVAB/SigyEjFFG5+2RioRUV0P/2Q=="
"data:image/jpeg;base64,/9j/4AAQSkzFYSEbxpSTWII7Ib2dtYSUW4zd9E/K/U+h9Ls49L0y20yFyy29ukSs3UhVAB/SigyEjFFG5+2RioRUV0P/2Q=="
```

5.6.11 POST /artemis/api/visitor/v1/visitorconfig/customfields

Search for the custom information about visitors.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/visitorconfig/customfields

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| customFieldName | Opt. | String | Body | Custom field for fuzzy search. |

Request Example

```
{
  "pageIndex":0,
  "pageSize":0,
  "customFieldName":""
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|---------------------------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of matched results, the maximum length is 32 characters. |
| pageIndex | Opt. | Number | Current page, the maximum length is 32 characters. |
| pageSize | Opt. | Number | Number of records on each page, the maximum length is 32 characters. |
| CustomField | Opt. | Array | List of the custom information about visitors. |
| CustomField[0] | Opt. | <i>CustomField</i> | Custom information about a visitor. |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "CustomFieldList": {
      "TotalNum": 0,
      "pageIndex": 0,
      "pageSize": 0,
      "CustomField": [
        {
          "indexCode": 0,
          "customFieldType": 0,
          "customFieldName": "",
          "PresetValueList": {
            "PresetValue": [
              {
                "indexCode": 0,
                "value": ""
              }
            ]
          }
        }
      ]
    }
  }
}

```

```

    ]
  }
}
}

```

5.6.12 POST /artemis/api/visitor/v1/visitorgroups

Search for the information about visitor groups by group name.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/visitorgroups

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| visitorGroupName | Opt. | String | Body | Visitor group name, which consists of up to 128 characters. |

Request Example

```

{
  "SearchCriteria": {
    "visitorGroupName": ""
  }
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| indexCode | Req. | String | Group ID, which consists of up to 32 characters. |
| name | Req. | String | Group name, which consists of up to 64 characters. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "VisitorGroupList": {
      "VisitorGroup": {
        "indexCode": 0,
        "baseInfo": {
          "name": ""
        }
      }
    }
  }
}
```

5.6.13 POST /artemis/api/visitor/v1/visitorgroups/groupinfo

Search for visitors' information by visitor group ID.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/visitor/v1/visitorgroups/groupinfo](https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/visitorgroups/groupinfo)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| indexCode | Req. | String | Body | Visitor group ID, which consists of up to 32 characters. |
| identifyCode | Opt. | string | Body | ID No., which consists of up to 128 characters. |
| personName | Opt. | string | Body | Name of the visitor, which consists of up to 128 characters. |
| phoneNum | Opt. | string | Body | Phone number, which consists of up to 128 characters. |
| companyName | Opt. | string | Body | Company name, which consists of up to 128 characters. |
| temperatureStatus | Opt. | Number | Body | Temperature status: 0 (exception), 1 (normal), 2 (unknown), -1 (all). |
| blackLisitStatus | Opt. | Number | Body | Whether the visitor is in the blacklist: 0 (no), 1(yes), -1 (all). |

Request Example

```
{
  "VisitorListRequest":{
    "indexCode":"1",
    "pageIndex":0,
    "pageSize":0,
    "searchCriteria":{
      "identifyCode": "",
      "personName": "",
      "phoneNum": "",
      "companyName": "",
      "reperatureStatus":0,
      "blackLisitStatus":0
    }
  }
}
```

```
}
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------------------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of matched results, the maximum length is 32 characters. |
| pageIndex | Opt. | Number | The current page No, the maximum length is 32 characters. |
| pageSize | Opt. | Number | Number of records on each page, the maximum length is 32 characters. |
| list | Opt. | Array | List of information about visitors' reservation. |
| list[0] | Opt. | <i>Visitor</i> | A visitor's reservation information. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "pageSize": 1,
    "pageIndex": 10,
    "total": 10,
    "VisitorList": {
      "Visitor": {
        "ID": 0,
        "BaseInfo": {
          "fullName": ""
        }
      }
    }
  }
}
```



```

    }}
  }
}
}

```

5.6.14 POST /artemis/api/visitor/v1/visitor/visitorInfo

Search for visitors' information by condition.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/visitor/visitorInfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------------------|--------------|-----------|----------------|--|
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| searchCriteria | Opt. | Object | Body | Search conditions. |
| visitorGroupID | Opt. | String | Body | Visitor group ID, which consists of up to 64 characters. |
| identifyCode | Opt. | String | Body | ID No., which consists of up to 64 characters. |
| personName | Opt. | String | Body | Name of the visitor, which consists of up to 128 characters. |
| phoneNum | Opt. | String | Body | Phone number, which consists of up to 128 characters. |
| companyName | Opt. | String | Body | Company name, which consists of up to 128 characters. |
| identificationType | Opt. | String | Body | Identification type, which consists of up to 128 characters. |

Request Example

```
{
  "pageNo ":"0",
  " pageSize":"20",
  "searchCriteria":{"
    "visitorGroupID":"1,2,3"
  }
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|---------------------------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | <i>VisitorInfo</i> | Response data details. |

5.6.15 POST /artemis/api/visitor/v1/visitor/single/visitorinfo

Get the visitor's information by visitor ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/visitor/single/visitorinfo

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------|--------------|-----------|----------------|--|
| visitorId | Req. | String | Body | Visitor ID, which consists of up to 64 characters. |

Request Example

```
{
  "visitorId": "125"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|---------------------------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | <u>VisitorInfo</u> | Response data details. |

5.6.16 POST /artemis/api/visitor/v1/auth/reapplication

Apply persons' access level settings or information (person ID, person name, face picture, fingerprint, card No., validity, etc.) to device when the persons' access level or person information changed.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/auth/reapplication

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description contains up to 256 characters. |
| data | Opt. | String | Response data. |

Response Example

```
{
  "code": "0",
  "msg": "ok",
  "data": ""
}
```

5.7 Vehicle and Parking API

Here provides APIs for vehicle management and vehicle parking management.

5.7.1 POST /artemis/api/pms/v1/image_data

Get vehicle pictures from the searched vehicle passing records by picture URL.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/pms/v1/image_data

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| domainId | Opt. | String | Header | Domain ID, which is used in the streaming URL and consists of up to 16 characters. If this field is not configured, the value will be determined by the request. |
| picUri | Req. | String | Body | Picture URL, which consists of up to 256 characters. |

Request Example

```
{
  domainId : 0
  {
    "aswSyscode": "hnj5h245h5234h45345y",
    "picUri": "/pic?=d7ei703i10cd*73a-d5108a--22cd0c9d6592aiid="
  }
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | String | Binary picture data in the response. |

Response Example

```
HTTP/1.1
Content-Type:image/jpeg;charset=utf-8
Date:YourDate
Content-Length:image_length
```

[Picture Data]

5.7.2 POST /artemis/api/pms/v1/crossRecords/page

Set search conditions (e.g., camera ID, license plate number, vehicle owner name, etc.) to search for vehicle passing records, and the search results will be returned by page.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/pms/v1/crossRecords/page](https://[serverAddress]:[serverPort]/artemis/api/pms/v1/crossRecords/page)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| cameraIndexCode | Req. | String | Body | Camera ID, which consists of up to 64 characters. |
| plateNo | Opt. | String | Body | License plate number, which consists of up to 16 characters. |
| ownerName | Opt. | String | Body | Vehicle owner name, which consists of up to 64 characters. |
| contact | Opt. | String | Body | Contact number of vehicle owner, which consists of up to 32 characters. |
| startTime | Req. | String | Body | Start time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| | | | | time consists of up to 64 characters. |
| endTime | Req. | String | Body | End time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time consists of up to 64 characters. |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

 **Note**

The days between start time and end time should be no more than 31 days.

Request Example

```
{
  "cameraIndexCode": "1",
  "plateNo": "a123456",
  "ownerName": "aaa",
  "contact": "123",
  "startTime": "2018-07-26T15:00:00+08:00",
  "endTime": "2018-07-26T16:00:00+08:00",
  "pageNo": 1,
  "pageSize": 10
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Vehicle passing record list. |
| list[0] | Opt. | Object | Information of a vehicle passing record in the list. See details in <i>PassVehicleRecord</i> . |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 15,
    "list": [
      {
        "crossRecordSyscode": "74554754035654645",
        "cameraIndexCode": "1",
        "plateNo": "a123456",
        "ownerName": "aaa",
        "contact": 123,
        "vehicleType": 1,
        "vehiclePicUri": "/pic?=d7ei703i10cd*73a-d5108a--22cd0c9d6592aiid=",
        "crossTime": "2018-07-26T15:00:00+08:00",
        "createTime": "2018-07-26T15:00:00+08:00"
      }
    ]
  }
}

```


5.7.3 POST /artemis/api/vehicle/v1/parkinglot/list

Get the parking lot list.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/vehicle/v1/parkinglot/list

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|------------------------------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Req. | Object | Response data details. |
| total | Req. | Number | The number of parking lots, the maximum length is 10 characters. |
| list | Req. | Array | List of parking lots. |
| list[0] | Req. | <u>ParkingLotInfo</u> | Parking lot information. |

Response Example

```
{
  "code": "0",
```

```
"msg": "Success",
"data": {
  "total": 3,
  "list": [
    {
      "parkingLotIndexCode": "1",
      "parkingLotName": "parkinglot",
      "parentParkingLotIndexCode": "-1",
      "totalSpaceNum": 1000,
      "freeSpaceNum": 0,
      "totalPermanentSpaceNum": 500,
      "freePermanentSpaceNum": 202,
      "maxParkingTime": 9
    },
    {
      "parkingLotIndexCode": "2",
      "parkingLotName": "parking lot 2",
      "parentParkingLotIndexCode": "-1",
      "totalSpaceNum": 600,
      "freeSpaceNum": 600,
      "totalPermanentSpaceNum": 500,
      "freePermanentSpaceNum": 500,
      "maxParkingTime": 7
    },
    {
      "parkingLotIndexCode": "4",
      "parkingLotName": "parking lot 3",
      "parentParkingLotIndexCode": "2",
      "totalSpaceNum": 2,
      "freeSpaceNum": 2,
      "totalPermanentSpaceNum": -1,
      "freePermanentSpaceNum": -1,
      "maxParkingTime": -1
    }
  ]
}
```

5.7.4 POST /artemis/api/vehicle/v1/floor/list

Get the floor list of the specified parking lot.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/vehicle/v1/floor/list](https://[serverAddress]:[serverPort]/artemis/api/vehicle/v1/floor/list)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>' / \ : * ? " < > </code> |
| parkingLotIndexCode | Opt. | String | Body | Parking lot ID, the maximum length is 1024 characters. Information about all parking lots will be returned if no ID is specified. |

Request Example

```
{
  "parkingLotIndexCode": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-------------------------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Req. | Number | The number of floors, the maximum length is 10 characters. |
| list | Req. | Array | Floor information list. |
| list[0] | Req. | <i>FloorInfo</i> | Floor information. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 3,
    "list": [
      {
        "floorIndexCode": "12",
        "floorName": "666",
        "parkingLotIndexCode": "1",
        "parkingLotName": "xxxx"
      },
      {
        "floorIndexCode": "13",
        "floorName": "111",
        "parkingLotIndexCode": "1",
        "parkingLotName": "xxxx"
      },
      {
        "floorIndexCode": "14",
        "floorName": "122",
        "parkingLotIndexCode": "1",
        "parkingLotName": "xxxx"
      }
    ]
  }
}
```

5.7.5 POST /artemis/api/vehicle/v1/floor/overview

Get the occupancy of one or multiple floors of the parking lot, including the total number of parking spaces and the number of vacant parking spaces.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/vehicle/v1/floor/overview

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------------|--------------|-----------|----------------|--|
| | | | | contain special characters like '/\ : * ? " < > |
| parkingLotIndexCode | Opt. | String | Body | Parking lot ID, the maximum length is 1024 characters. Information of all parking lots will be returned if no parking lot ID is specified. |
| floorIndexCode | Opt. | String | Body | Floor ID, the maximum length is 1024 characters. Information of all floors will be returned if no floor ID is specified. |

Request Example

```
{
  "parkingLotIndexCode" : "1",
  "floorIndexCode" : "14"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|----------------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Req. | Object | Response data details. |
| totalSpaceNum | Req. | Number | Total number of parking spaces, the maximum length is 10 characters. |
| freeSpaceNum | Req. | Number | Number of vacant parking spaces, the maximum length is 10 characters. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|---|--|
| total | Req. | Number | Total number of floors, the maximum length is 10 characters. |
| list | Req. | Array | List of floor overview. |
| list[0] | Req. | <u><i>FloorOverViewInf</i></u> <u><i>o</i></u> | Floor overview. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "totalSpaceNum": 50,
    "freeSpaceNum": 48,
    "list": [
      {
        "floorIndexCode": "14",
        "floorName": "122",
        "parkingLotIndexCode": 1,
        "totalSpaceNum": 50,
        "freeSpaceNum": 48,
        "spaceTypeOverView": [
          {
            "typeIndexCode": "1",
            "typeName": "general",
            "typeColor": "#FFFF00",
            "totalSpaceNum": 6,
            "freeSpaceNum": 4
          },
          {
            "typeIndexCode": "2",
            "typeName": "allow",
            "typeColor": "#00FF00",
            "totalSpaceNum": 6,
            "freeSpaceNum": 6
          },
          {
            "typeIndexCode": "3",
            "typeName": "forbid",
            "typeColor": "#0000FF",
            "totalSpaceNum": 8,
            "freeSpaceNum": 8
          }
        ]
      }
    ]
  }
}
```

5.7.6 POST /artemis/api/vehicle/v1/floor/parkingspace/status

Get the real-time status of all parking spaces on the specified floor.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/vehicle/v1/floor/parkingspace/status

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------|--------------|-----------|----------------|---|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| floorIndexCode | Req. | String | Body | Floor ID, the maximum length is 1024 characters. |

Request Example

```
{
  "floorIndexCode": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Req. | Object | Response data details. |
| total | Req. | Number | Total number of parking spaces, the maximum length is 10 characters. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|--------------------------------|---------------------------------|
| list | Req. | Array | List of parking spaces. |
| list[0] | Req. | <i>ParkingSpaceInfo</i> | Information of a parking space. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 3,
    "list": [
      {
        "spaceIndexCode": "1",
        "floorIndexCode": "1",
        "spaceType": 3,
        "serial": "1",
        "status": 1,
        "plateNumber": "",
        "creatTime": "2021-07-26T19:58:12+08:00",
        "duration": 16,
        "parkingImageUrl": "Vsm://PHQG#20210726#20210726_193035917.d:104558170:490700",
        "platenumberImageUrl": ""
      },
      {
        "spaceIndexCode": "2",
        "floorIndexCode": "1",
        "spaceType": 3,
        "serial": "2",
        "status": 1,
        "plateNumber": "",
        "creatTime": "2021-07-26T11:23:36+08:00",
        "duration": 30892,
        "parkingImageUrl": "Vsm://PHQG#20210726#20210726_112325847.d:1941072:537216",
        "platenumberImageUrl": ""
      },
      {
        "spaceIndexCode": "3",
        "floorIndexCode": "1",
        "spaceType": 3,
        "serial": "3",
        "status": 1,
        "plateNumber": "",
        "creatTime": "2021-07-26T13:41:15+08:00",
        "duration": 22633,
        "parkingImageUrl": "Vsm://PHQG#20210726#20210726_131648673.d:129672100:456972",
        "platenumberImageUrl": ""
      }
    ]
  }
}
```



```
}
}
```

5.7.7 POST /artemis/api/vehicle/v1/parkinglot/passageway/record

Get the vehicle passing records of the specified parking lot.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/vehicle/v1/parkinglot/passageway/record

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageIndex | Req. | Number | Body | The current page No., which is between 1 and 2147483647. The maximum length is 10 characters. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. The maximum length is 3 characters. |
| queryInfo | Req. | Object | Body | Search condition. |
| parkingLotIndexCode | Req. | String | Body | Parking lot ID, the maximum length is 1024 characters. |
| beginTime | Req. | String | Body | Start time in ISO 8601 format of search, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 32 bytes. |
| endTime | Req. | String | Body | End time in ISO 8601 format of search, which is represented by "yyyy-MM-ddTHH:mm:ss |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------|--------------|-----------|----------------|---|
| | | | | +current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 32 bytes. |
| ownerName | Opt. | String | Body | Vehicle owner name, the maximum length is 32 characters. |
| plateLicense | Opt. | String | Body | License plate number, the maximum length is 32 characters. |
| directionType | Opt. | Number | Body | Direction: -1 (all), 1 (entry), 2 (exit). |
| allowResult | Opt. | Number | Body | Whether the passing is allowed: -1 (all), 1 (allowed), 2 (not allowed). |

Request Example

```

{
  "pageIndex": 1,
  "pageSize": 3,
  "queryInfo": {
    "parkingLotIndexCode": "1",
    "beginTime": "2021-07-21T00:00:00+08:00",
    "endTime": "2021-07-21T23:59:59+08:00",
    "ownerName": "",
    "plateLicense": "",
    "directionType": -1,
    "allowResult": -1
  }
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|------------------|--------------|---|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Req. | Object | Response data details. |
| total | Req. | Number | Total number of records, the maximum length is 10 characters. |
| pageIndex | Req. | Number | The current page No., the maximum length is 10 characters. |
| pageSize | Req. | Number | Number of records on each page, the maximum length is 4 characters. |
| list | Req. | Array | List of vehicle passing records. |
| list[0] | Req. | <i>PassingRecordInf</i> <i>o</i> | Information about a vehicle passing record. |

Response Example

```

{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 3,
    "pageIndex": 1,
    "pageSize": 3,
    "list": [
      {
        "guid": "0F388D71AFA346CABCBA4FB91312861B",
        "parkingLotInfo": {
          "parkingLotIndexCode": "1",
          "parkingLotName": "parking lot33"
        },
        "passagewayInfo": {
          "passagewayIndexCode": "1",
          "passagewayName": "Default Entrance & Exit01"
        },
        "laneInfo": {
          "laneIndexCode": "1",
          "laneName": "entrance 1",
          "direction": 1
        }
      }
    ]
  }
}

```

```
"personInfo":{
  "cardNum": "",
  "ownerName": "",
  "ownerPhoneNum": ""
},
"carInfo":{
  "plateLicense": "BJ08FNV",
  "carType": 3,
  "ImageUrl": "Vsm://PHQG#20210721#20210721_232955105.d:198227798:102096",
  "EnterTime": "2021-07-21T23:59:57+08:00",
  "ExitTime": ""
},
"allowType": 3,
"allowResult": 2
},
{
  "guid": "31775DB5BF1940F681D03FD7DBDA623E",
  "parkingLotInfo":{
    "parkingLotIndexCode": "1",
    "parkingLotName": "parking lot33"
  },
  "passagewayInfo":{
    "passagewayIndexCode": "1",
    "passagewayName": "Default Entrance & Exit01"
  },
  "laneInfo":{
    "laneIndexCode": "1",
    "laneName": "entrance 1",
    "direction": 1
  },
  "personInfo":{
    "cardNum": "",
    "ownerName": "",
    "ownerPhoneNum": ""
  },
  "carInfo":{
    "plateLicense": "N500GES",
    "carType": 3,
    "ImageUrl": "Vsm://PHQG#20210721#20210721_232955105.d:198025042:100636",
    "EnterTime": "2021-07-21T23:59:50+08:00",
    "ExitTime": ""
  },
  "allowType": 3,
  "allowResult": 2
},
{
  "guid": "4EE0D343B9D94DA58FA335D2506DC290",
  "parkingLotInfo":{
    "parkingLotIndexCode": "1",
    "parkingLotName": "parking lot33"
  },
  "passagewayInfo":{
```

```

"passagewayIndexCode":"1",
"passagewayName":"Default Entrance & Exit01"
},
"laneInfo":{
"laneIndexCode":"1",
"laneName":"entrance 1",
"direction":1
},
"personInfo":{
"cardNum":"",
"ownerName":"",
"ownerPhoneNum":""
},
"carInfo":{
"plateLicense":"VE54CTY",
"carType":3,
"ImageUrl":"Vsm://PHQG#20210721#20210721_232955105.d:197822794:101588",
"EnterTime":"2021-07-21T23:59:44+08:00",
"ExitTime":""
},
"allowType":3,
"allowResult":2
}}
}
}

```

5.7.8 POST /artemis/api/vehicle/v1/parkingspace/record

Get the vehicle parking records.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/vehicle/v1/parkingspace/record

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| pageIndex | Req. | Number | Body | The current page No., which is between 1 and 2147483647. The maximum length is 10 characters. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------------------|--------------|-----------|----------------|--|
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. The maximum length is 3 characters. |
| queryInfo | Req. | Object | Body | Search condition. |
| parkingLotIndexCode | Opt. | String | Body | Parking lot ID, the maximum length is 1024 characters. |
| floorIndexCode | Opt. | String | Body | Floor ID, the maximum length is 1024 characters. |
| beginTime | Req. | String | Body | Start time in ISO 8601 format of search, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 32 bytes. |
| endTime | Req. | String | Body | End time in ISO 8601 format of search, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 32 bytes. |
| spaceSerial | Opt. | String | Body | Space serial No., the maximum length is 32 characters. |
| plateLicense | Opt. | String | Body | License plate number, the maximum length is 32 characters. |
| statusType | Opt. | Number | Body | Parking status: 0 (parking), 1 (exited), -1 (all). |

Request Example

```
{
  "pageIndex":1,
  "pageSize":3,
  "queryInfo":{
```

```

"parkingLotIndexCode":"1",
"floorIndexCode":"1",
"beginTime":"2021-07-22T00:00:00+08:00",
"endTime":"2021-07-22T23:59:59+08:00",
"spaceSerial":"1",
"plateLicense":"",
"statusType":0
}
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|------------------|--------------|---|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Req. | Object | Response data details. |
| total | Req. | Number | Total number of records, the maximum length is 10 characters. |
| pageIndex | Req. | Number | The current page No., the maximum length is 10 characters. |
| pageSize | Req. | Number | Number of records on each page, the maximum length is 4 characters. |
| list | Req. | Array | List of vehicle parking records. |
| list[0] | Req. | <u>ParkingRecordInf</u> <u>o</u> | Information about a vehicle parking record. |

Response Example

```

{
"code":"0",
"msg":"Success",
"data":{
"total":3,
"pageIndex":1,

```

```
"pageSize":3,
"list":[{"
  "guid":30726,
  "parkingLotIndexCode":"1",
  "parkingLotName":"parkinglot",
  "floorIndexCode":"1",
  "floorName":"F3",
  "parkingSpaceSerial":"11",
  "plateLicense":"ARB209KE",
  "parkingStatusType":0,
  "occurTime":"2021-07-22T23:59:51+08:00"
},
{
  "guid":30725,
  "parkingLotIndexCode":"1",
  "parkingLotName":"parkinglot",
  "floorIndexCode":"1",
  "floorName":"F3",
  "parkingSpaceSerial":"11",
  "plateLicense":"unknown",
  "parkingStatusType":0,
  "occurTime":"2021-07-22T23:59:41+08:00"
},
{
  "guid":30721,
  "parkingLotIndexCode":"1",
  "parkingLotName":"parkinglot",
  "floorIndexCode":"1",
  "floorName":"F3",
  "parkingSpaceSerial":"11",
  "plateLicense":"unknown",
  "parkingStatusType":0,
  "occurTime":"2021-07-22T23:59:18+08:00"
}}
}
```

5.8 Access Control API

Here provides APIs for access point control, access record search, applying person information, getting access control event picture, and so on.

5.8.1 POST /artemis/api/acs/v1/auth/applicationResult

Get status details of applying person information or persons' access level settings to device. Currently, the returned status details are about applying failure and waiting to be applied.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/acs/v1/auth/applicationResult

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------------|--------------|-----------|----------------|--|
| userid | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > . |
| applicationResultType | Req. | Number | Body | Applying result type: 1-get statistics data, 2-get error information. |
| pageNo | Opt. | Number | Body | The current page No., which is between 1 and 2147483647. The maximum length is 10 bytes. This parameter is valid only when the value of applicationResultType is 2. |
| pageSize | Opt. | Number | Body | Number of records on each page, which is between 1 and 500. The maximum length is 4 bytes. This parameter is valid only when the value of applicationResultType is 2. |
| type | Req. | Number | Body | Access level type: 0 (access control), 1 (visitor) |

Request Example

```
{
  "applicationResultType": 1,
  "pageNo": 1,
  "pageSize": 2,
  "type": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------------------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Applying result details. |
| statisticResult | Opt. | Object | Statistics results, see details in <i>StatisticResult</i> . This parameter will be returned when the value of applicationResultType is 1. |
| applicationErrorResult | Opt. | Object | Applying failure information, see details in <i>ApplicationErrorResult</i> . This parameter will be returned when the value of applicationResultType is 2. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "statisticResult": {
      "unApplicationCount": 3,
      "applicationFailCount": 2,
      "editAndUnApplicationCount": 1
    }
  }
}
```

5.8.2 POST /artemis/api/acs/v1/door/doControl

Control the door to open, close, remain open, and remain closed by door ID.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/acs/v1/door/doControl

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------|--------------|----------------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| doorIndexCodes | Req. | List of String | Body | Access point ID, and up to 10 access points can be obtained. |
| controlType | Req. | Number | Body | Control types: 0-remain open, 1-close, 2-open, 3-remain open. |

Request Example

```
{
  "doorIndexCodes":["1","2"],
  "controlType":3
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description contains up to 256 characters. |

| Parameter | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|--|
| data | Opt. | Array | Information list of access point control results. |
| data[0] | Opt. | Object | Information of an access point control result. Refer to <i>DoorControlResult</i> for details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": [
    [
      {
        "doorIndexCode": "1",
        "controlResultCode": 0,
        "controlResultDesc": "Success"
      },
      {
        "doorIndexCode": "2",
        "controlResultCode": 0,
        "controlResultDesc": " Success "
      }
    ]
  ]
}
```

5.8.3 POST /artemis/api/acs/v1/door/events

Set search conditions (time, person name, access point ID, event type, etc.) to search for access records (access by card, face, fingerprint, and so on), and the search results (authentication method, card information, face information, fingerprint information, etc.) will be returned by page.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/acs/v1/door/events

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| eventType | Req. | Number | Body | Event type code, which is a decimal integer, refer to <i>Event Types or Alarm Categories</i> for details. |
| personName | Opt. | String | Body | Person name, which which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| doorIndexCodes | Req. | String | Body | Access point ID, and up to 10 access points can be obtained. |
| startTime | Req. | String | Body | Start time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time consists of up to 64 characters. |
| endTime | Req. | String | Body | End time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time consists of up to 64 characters. |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------|--------------|-----------|----------------|--|
| temperatureStatus | Opt. | Number | Body | Temperature status: 0-unknown, 1-normal, 2-abnormal. |
| wearMaskStatus | Opt. | Number | Body | Wearing mask or not: 0-unknown, 1-yes, 2-no. |

 **Note**

- The days between start time and end time should be no more than 31 days.
- At least one of the parameters **eventType** and **personName** must be configured.

Request Example

```
{
  "startTime":"2018-08-10T12:00:00.000+08:00",
  "endTime":"2018-08-11 12:00:00.000+08:00",
  "eventType": 197151,
  "personName": "a",
  "doorIndexCodes":["1","2"],
  "pageNo":1,
  "pageSize":100
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|--------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Card swiping or access record list. |
| list[0] | Opt. | Object | Information of a card swiping record in the list. See details in <i>PersonInOutEvents</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "pageSize": 100,
    "pageNo": 1,
    "total": 1,
    "list": [
      {
        "eventId": "58689546546576576215475",
        "eventType": "197151",
        "eventTime": "2018-08-10 20:00:00",
        "personId": "1",
        "personName": "a",
        "doorName": "xxxDoor",
        "doorIndexCode": "1"
      }
    ]
  }
}
```

5.8.4 POST /artemis/api/acs/v1/event/pictures

Get pictures of access control events.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/acs/v1/event/pictures

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| domainId | Opt. | Number | Header | Domain name of pictures to be obtained. |
| picUri | Req. | String | Body | Picture URI (relative path). The maximum length is 512 bytes. |

Request Example

```
{
  "picUri":"0B4E92A30AF914C1285613A4FBD9F761F"
}
```

Response Example

```
"data:image/jpeg;base64,/9j/4AAQSkzFYSEbXpSTWII7Ib2dtYSUW4zd9E/K/U+h9Ls49L0y20yFyy29ukSs3UhVAB/SigyEjFFG5+2RioRUV0P/2Q=="
"data:image/jpeg;base64,/9j/4AAQSkzFYSEbXpSTWII7Ib2dtYSUW4zd9E/K/U+h9Ls49L0y20yFyy29ukSs3UhVAB/SigyEjFFG5+2RioRUV0P/2Q=="
```

5.8.5 POST /artemis/api/acs/v1/privilege/group

Get access level list.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/acs/v1/privilege/group

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| type | Req. | Number | Body | Access level type value: 1 (access control), 2 (visitor). |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 10,
  "type": 1
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Information list of access levels. |
| list[0] | Opt. | Object | Information about an access level. See details in <i>PrivilegeGroupInfo</i> . |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 2,
    "pageNo": 1,
    "pageSize": 10,
    "list": [
      {
        "privilegeGroupId": "2",
        "privilegeGroupName": "234",
        "description": "",
        "timeSchedule": {
          "indexCode": "1",
          "name": ""
        }
      },
      {
        "privilegeGroupId": "1",
        "privilegeGroupName": "123",
        "description": "",
        "timeSchedule": {
          "indexCode": "1",
          "name": ""
        }
      }
    ]
  }
}
```

5.8.6 POST /artemis/api/acs/v1/privilege/group/single/addPersons

Assign access levels to persons.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/acs/v1/privilege/group/single/addPersons

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|---|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|---|
| | | | | contain special characters like '/\ : * ? " < > |
| privilegeGroupId | Req. | String | Body | Access group ID, which consists of up to 64 characters. |
| type | Req. | Number | Body | Access level type: 1 (access control), 2 (visitor). |
| list | Req. | Array | Body | Person information list. |
| list[0] | Req. | Object | Body | Information about a person. |
| id | Req. | String | Body | Person (visitor) ID, which consists of up to 64 characters. |

Request Example

```
{
  "privilegeGroupId": "1",
  "type": 1,
  "list": [
    {
      "id": "1"
    }
  ]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.8.7 POST /artemis/api/acs/v1/privilege/group/single/deletePersons

Unassign access levels to persons.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/acs/v1/privilege/group/single/deletePersons

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|--|
| userid | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\:*? "<> |
| privilegeGroupid | Req. | String | Body | Access group ID, which consists of up to 64 characters. |
| type | Req. | Number | Body | Access level type: 1 (access control), 2 (visitor). |
| list | Req. | Array | Body | Person information list. |
| list[0] | Req. | Object | Body | Information about a person in the list. |
| id | Req. | String | Body | Person (visitor) ID, which consists of up to 64 characters. |

Request Example

```
{
  "privilegeGroupid": "1",
  "type": 1,
  "list": [
    {
      "id": "1"
    }
  ]
}
```

```
]
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": ""
}
```

5.8.8 POST /artemis/api/acs/v1/privilege/group/single/personList

Get information list of persons related to the access levels.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/acs/v1/privilege/group/single/personList

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------|--------------|-----------|----------------|---|
| | | | | contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| type | Req. | Number | Body | Access level type value: 1-access control, 2 (visitor, currently, it is not supported). |
| privilegeGroupId | Req. | String | Body | Access group ID, the maximum length is 64 characters. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 2,
  "type": 1,
  "privilegeGroupId": "1"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|--------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description can contain up to 256 characters. |
| data | Opt. | Object | Response data details. |
| total | Opt. | Number | Total number of search results. |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| list | Opt. | Array | Person information list. |
| list[0] | Opt. | Object | Information about a person. See details in <i>PersonInfo</i> . |
| id | Req. | String | Person ID, which consists of up to 64 characters. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageNo": 1,
    "pageSize": 2,
    "list": [
      {
        "id": "1"
      }
    ]
  }
}
```

5.8.9 POST /artemis/api/visitor/v1/auth/reapplication

Apply persons' access level settings or information (person ID, person name, face picture, fingerprint, card No., validity, etc.) to device when the persons' access level or person information changed.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/visitor/v1/auth/reapplication

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|---|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like <code>'/\: * ? " < > </code> |

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-----------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description contains up to 256 characters. |
| data | Opt. | String | Response data. |

Response Example

```
{
  "code": "0",
  "msg": "ok",
  "data": ""
}
```

5.9 Mobile Monitoring API

5.9.1 POST /artemis/api/mobilesurveillance/v1/gpsdetails

Get GPS statistics information of mobile devices.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/mobilesurveillance/v1/gpsdetails

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |
| mobilevehicleindexCodes | Req. | String | Body | IDs of vehicles linked to mobile devices. Use comma to separate multiple items, e.g., "1, 2, 5". |
| startTime | Req. | String | Body | Start time of search, in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. |
| endTime | Req. | String | Body | End time of search, in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. It should not exceed 31 days from start to end. |

Request Example

```
{
  "pageNo": 1,
  "pageSize": 15
  "mobilevehicleIndexCodes": "1,2"
  "startTime": "2022-02-10T15:00:00+08:00",
  "endTime": "2022-02-11T16:00:00+08:00"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|------------|---|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Req. | PageInfo[] | Response data details. |

PageInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|--------------|---|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No., which is between 1 and 2147483647. |
| pageSize | Opt. | Number | Number of records on each page, which is between 1 and 500. |
| list | Opt. | detailInfo[] | Detailed information list. |

detailInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------------|--------------|-----------------------|--|
| mobilevehicleIndexCode | Req. | String | ID of vehicle linked to the mobile device. |
| plateNo | | Number | License plate No. |
| regionIndexCode | | Number | Area ID. |
| list | Req. | <i><u>gpsInfo</u></i> | GPS information. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "total": 1,
    "pageIndex": 1,
    "pageSize": 10,
    "list": [
      {
        "mobilevehicleIndexCode": "1",
        "plateNo": "zhe123",
        "regionIndexCode": "1",
        "gps_info_list": [
          {
            "occurTime": "2022-02-16 11:20:08",
            "longitude": -1,
            "latitude": -1,
            "direction": 0,
            "gpsDisplay": "E120,13,42;N30,12,1",
            "directionDisplay": "North",
            "speed": 10
          }
        ]
      }
    ]
  }
}
```

5.9.2 POST /artemis/api/mobilesurveillance/v1/recordOverview

Search for event records of vehicles linked to mobile devices (only including the brief information). See details via specific event protocols.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/mobilesurveillance/v1/recordOverview

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|--------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of 1 to 32 characters, but cannot contain special characters like '/\ : * ? " < > |
| mobilevehicleIndexCodes | Req. | String | Body | IDs of vehicles linked to mobile devices. Use comma to separate different items. The maximum length is 64 characters. |
| eventTypes | Opt. | String | Body | Event types. Use comma to separate different items. The maximum length is 1024 characters. |
| beginTime | Req. | String | Body | Start time of search, in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. |
| endTime | Req. | String | Body | End time of search, in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. It should not exceed 31 days from start to end. |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------------|--------------|-----------|----------------|---|
| centerLongitude | Opt. | String | Body | Center longitude (0 by default). The maximum length is 16 characters. |
| centerLatitude | Opt. | String | Body | Center Latitude (0 by default). The maximum length is 16 characters. |
| radius | Opt. | Number | Body | Radius (unit: m; 0 by default). |
| pageIndex | Req. | Number | Body | The target page No., which is between 1 and 2147483648. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```

{
  "pageIndex": 1,
  "pageSize": 10,
  "mobilevehicleIndexCodes": "1,2",
  "eventTypes": "330203,330003",
  "beginTime": "2022-02-14T15:00:00+08:00",
  "endTime": "2022-02-15T15:00:00+08:00",
  "centerLongitude": "0.0",
  "centerLatitude": "0.0",
  "radius": 0
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|---|
| | | | details. Each description can contain up to 256 characters. |
| data | Opt. | PageInfo | Response data: event records in page. |

PageInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|------------------------------|---|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No., which is between 1 and 2147483647. |
| pageSize | Opt. | Number | Number of records on each page, which is between 1 and 500. |
| list | Opt. | <u><i>RecordOverview</i></u> | Event record list. |

Response Example

```
{
  "code": "0",
  "msg": "success",
  "data": {
    "total": "1",
    "pageNo": "1",
    "pageSize": "10",
    "list": [
      {
        "eventIndexCode": "BF1A2B849C5E4EDC858EF295A4E7DD2D",
        "eventType": "330406",
        "mobilevehicleIndexCode": "1",
        "plateNo": "zhe123",
        "ownerName": "II",
        "regionName": "area1",
        "occurTime": "2022-02-12T15:46:58+08:00",
        "longitude": "0.0",
        "latitude": "0.0",
        "direction": "0",
        "speed": 0,
        "displayInfo": "E0,0,0;N0,0,0",
        "directionInfo": "North"
      }
    ]
  }
}
```

```
}
}
```

5.9.3 POST /artemis/api/mobilesurveillance/v1/single/record

Search for event information of a mobile device.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/mobilesurveillance/v1/single/record

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-------------------------------|--------------|-----------|----------------|--|
| userId | Opt. | String | Header | User ID, which consists of up to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| mobilevehicleIndexCode | Req. | String | Header | ID of vehicle linked to the mobile device. The maximum length is 64 characters. |
| eventIndexCode | Req. | String | Header | Event record ID. The maximum length is 64 characters. |

Request Example

```
{
  "mobilevehicleIndexCode": "1",
  "eventIndexCode": "BF1A2B849C5E4EDC858EF295A4E7DD2D"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Response status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|---------------|---|
| | | | Each code can contain up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description can contain up to 256 characters. |
| data | Opt. | MSEventRecord | Response data: record of an event. |

MSEventRecord Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------------|--------------|-----------|---|
| eventType | Req. | Number | Event type. The maximum length is 16 characters. |
| mobilevehicleIndexCode | Req. | String | ID of vehicle linked to the mobile device. The maximum length is 64 characters. |
| plateNo | Req. | String | License plate No. The maximum length is 10 characters. |
| regionName | Req. | Number | Area name. The maximum length is 4 characters. |
| ownerName | Opt. | String | Vehicle owner name. |
| phoneNo | Opt. | String | Contact number of the vehicle owner. The maximum length is 64 characters. |
| occurTime | Req. | String | GPS report time, in ISO 8601 standard time format: yyyy-MMdd'T'HH:mm:ss.SSSzzz, e.g., 2018-07-26T15:00:00 + 08:00. And the time consists of up to 64 characters. |
| longitude | Req. | String | Longitude (integer; including negative values), actual degrees \times 3600 \times 100 + actual minutes \times 60 \times 100 + actual seconds \times 100. The maximum length is 16 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-------------------|---|
| latitude | Req. | String | Latitude (integer; including negative values), actual degrees × 3600 × 100 + actual minutes × 60 × 100 + actual seconds × 100. The maximum length is 16 characters. |
| direction | Req. | Number | Vehicle direction (unit: degree; calculated clockwise from due north (0)). The maximum length is 16 characters. |
| speed | Req. | Number | Speed (consistent with the HCP platform: km/h by default). The maximum length is 16 characters. |
| speedLimit | Req. | Number | Speed threshold (consistent with the HCP platform: km/h by default). The maximum length is 16 characters. |
| displayInfo | Req. | String | Displayed GPS information, e.g., E120, 50, 20; N30, 50, 20. The maximum length is 64 characters. |
| directionInfo | Req. | String | Displayed direction ("North", "Northeast", "East", "Southeast", "South", "Southwest", "West", "Northwest"). The maximum length is 16 characters. |
| image_url_list | Opt. | image_info_list[] | Picture URL list. |
| image_url | Opt. | String | Picture URL. The maximum length is 256 characters. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "eventType": 330203,
    "mobilevehicleIndexCode": "1",
    "plateNo": "zhe123",
    "regionName": "☒☒",
    "ownerName": "",
    "phoneNo": "",
    "occurTime": "2022-02-16T14:39:36-08:00",
  }
}
```

```

"longitude": "120.204",
"latitude": "30.1894",
"direction": 5628,
"speed": 30,
"speedLimit": "80",
"displayInfo": "E120,12,13;N30,11,21",
"directionInfo": "Northeast",
"image_url_list": [
  {
    "image_url": "Vsm://PHQG#20220216#20220216_134335874.d:12:62692"
  }
]
}
}

```

5.10 Healthcare API

5.10.1 POST /artemis/api/healthcareradar/v1/room

Search for room information including the room No. and information of the person linked to each bed.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/healthcareradar/v1/room](https://[serverAddress]:[serverPort]/artemis/api/healthcareradar/v1/room)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------------|--------------|-----------|----------------|---|
| pageNo | Req. | Number | Body | The current page No., which is between 1 and 2147483647. |
| pageSize | Req. | Number | Body | Number of records on each page, which is between 1 and 500. |

Request Example

```

{
  "pageNo": 1,
  "pageSize": 20
}

```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|------------|--|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description contains up to 256 characters. |
| data | Req. | PageInfo[] | Response data details. |

PageInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|--------------|---------------------------------|
| total | Opt. | Number | Total number of search results. |
| pageNo | Opt. | Number | The current page No. |
| pageSize | Opt. | Number | Number of records on each page. |
| roomlist | Opt. | detailInfo[] | List of room information. |

detailInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------|--------------|-----------|--|
| roomID | Req. | Number | Room ID. |
| roomNo | Req. | String | Room No. The maximum length is 32. |
| description | Opt. | String | Room description. The maximum length is 256. |
| bedlist | Req. | bedInfo[] | Bed information of the room. |

bedInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|--|
| bedNo | Req. | String | Bed No. The maximum length is 32. |
| personID | Req. | Number | Person ID. |
| personName | Req. | String | Person name. The maximum length is 32. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "pageSize": 1,
    "pageNo": 20,
    "totalNum": 1,
    "roomlist": [
      {
        "roomID": 1,
        "roomNo": "A101",
        "description": "room description",
        "bedlist": [
          {
            "bedNo": "001",
            "personID": 2,
            "personName": "san zhang"
          }
        ]
      }
    ]
  }
}
```

5.10.2 POST /artemis/api/healthcareradar/v1/heartbreath

Search for person's heart rate and breathing rate data.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/healthcareradar/v1/heartbreath

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------|--------------|-----------|----------------|--|
| roomID | Req. | Number | Body | Person's room ID. |
| bedNo | Req. | String | Body | Person's bed No. The maximum length is 32. |
| startTime | Req. | String | Body | Start time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time contains up to 64 characters. |
| endTime | Req. | String | Body | End time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time contains up to 64 characters. |

Request Example

```
{
  "roomID": 1,
  "bedNo": "101",
  "startTime": "2022-07-02T10:00:00+08:00",
  "endTime": "2022-07-02T20:00:00+08:00"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------|--|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). |

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-------------------------------|--|
| | | | Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description contains up to 256 characters. |
| data | Req. | BreathData [] HeartData [] | Response data details. |

BreathData Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------|--------------|-----------|--|
| startTime | Req. | String | Start time, which is in the following format: yyyy-MM-dd HH:mm:ss, e.g., 2018-07-26 15:00:00. And the time contains up to 64 characters. |
| endTime | Req. | String | End time, which is in the following format: yyyy-MM-dd HH:mm:ss, e.g., 2018-07-26 15:00:00. And the time contains up to 64 characters. |
| breathValue | Opt. | Number | The average value of breathing rate. |

HeartData Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------|--------------|-----------|--|
| startTime | Req. | String | Start time, which is in the following format: yyyy-MM-dd HH:mm:ss, e.g., 2018-07-26 15:00:00. And the time contains up to 64 characters. |
| endTime | Req. | String | End time, which is in the following format: yyyy-MM-dd HH:mm:ss, e.g., 2018-07-26 15:00:00. And the time contains up to 64 characters. |
| heartValue | Req. | Number | The average value of heart rate. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "BreathData": [
      {
        "startTime": "2022-07-22 17:00:00",
        "endTime": "2022-07-22 17:59:59",
        "breathValue": 8
      }
    ],
    "HeartData": [
      {
        "startTime": "2022-07-22 17:00:00",
        "endTime": "2022-07-22 17:59:59",
        "heartValue": 80
      }
    ]
  }
}
```

5.10.3 POST /artemis/api/healthcareradar/v1/livefeature

Search for person's overall status and daily activities.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/healthcareradar/v1/livefeature

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------|--------------|-----------|----------------|---|
| roomID | Req. | Number | Body | Person's room ID. |
| bedNo | Req. | String | Body | Person's bed No. The maximum length is 32. |
| startTime | Req. | String | Body | Start time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|----------------|--------------|-----------|----------------|--|
| | | | | time contains up to 64 characters. |
| endTime | Req. | String | Body | End time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time contains up to 64 characters. |

Request Example

```
{
  "roomID": 1,
  "bedNo": "101",
  "startTime": "2022-07-02T10:00:00+08:00",
  "endTime": "2022-07-02T20:00:00+08:00"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|---------------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description contains up to 256 characters. |
| data | Req. | LiveFeature[] | Response data details. |

LiveFeature Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------|--------------|----------------|---|
| inBedTime | Req. | Number | In-bed duration (unit: second). |
| OutBedTime | Req. | Number | Off-bed duration (unit: second). |
| getUpTime | Req. | Number | Times of getting up. |
| rollOverTime | Req. | Number | Times of rolling over. |
| inBedData | Opt. | TimeSpanData[] | In-bed data. |
| outBedData | Opt. | TimeSpanData[] | Off-bed data. |
| getUpData | Opt. | TimeSpanData[] | Data of getting up. |
| rollOverData | Opt. | TimeSpanData[] | Data of rolling over. |
| AreaData | Opt. | AreaData[] | Data of person's activity in other areas. |

TimeSpanData Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------|--|
| startTime | Req. | String | Start time, which is in the following format: yyyy-MM-dd HH:mm:ss, e.g., 2018-07-26 15:00:00. And the time contains up to 64 characters. |
| endTime | Req. | String | End time, which is in the following format: yyyy-MM-dd HH:mm:ss, e.g., 2018-07-26 15:00:00. And the time contains up to 64 characters. |

AreaData Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| AreaType | Req. | Number | Area type: 1 (restroom), 2 (bathroom), 10 (non-healthcare area). |
| EnterNum | Req. | Number | Times of area entry. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------|--------------|------------------|--|
| Data | Req. | TimeSpanDataEx[] | Data of staying duration in the area. |
| TotalTime | Req. | Number | Staying duration in the area (unit: second). |

TimeSpanDataEx Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| TimeInfo | Req. | String | Start time and end time in the following format: yyyy-MM-dd HH:mm:ss, e.g., 2018-07-26 15:00:00, and separated by comma. The maximum length is 64. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "inBedTime": 0,
    "OutBedTime": 0,
    "getUpTime": 0,
    "rollOverTime": 0,
    "inBedData": [
      {
        "startTime": "2022-07-22 17:00:00",
        "endTime": "2022-07-22 17:20:10"
      }
    ],
    "outBedData": [
      {
        "startTime": "2022-07-22 17:20:00",
        "endTime": "2022-07-22 17:50:00"
      }
    ],
    "getUpData": [
      {
        "startTime": "2022-07-22 17:10:00",
        "endTime": "2022-07-22 17:10:10"
      }
    ],
    "rollOverData": [
      {
        "startTime": "2022-07-22 17:15:00",
        "endTime": "2022-07-22 17:15:05"
      }
    ]
  }
}
```

```

    }
  ],
  "AreaData": [
    {
      "AreaType": 0,
      "EnterNum": 0,
      "Data": [ {
        "TimeInfo": "2022-07-22 17:15:00, 2022-07-22 17:20:00"
      } ],
      "TotalTime": 0
    }
  ]
}
}
}

```

5.10.4 POST /artemis/api/healthcareradar/v1/sleepQuality

Search for person's sleep status.

Request URL

[https://\[serverAddress\]:\[serverPort\]/artemis/api/healthcareradar/v1/sleepQuality](https://[serverAddress]:[serverPort]/artemis/api/healthcareradar/v1/sleepQuality)

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|------------------|--------------|-----------|----------------|--|
| roomID | Req. | Number | Body | Person's room ID. |
| bedNo | Req. | String | Body | Person's bed No. The maximum length is 32. |
| startTime | Req. | String | Body | Start time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time contains up to 64 characters. |
| endTime | Req. | String | Body | End time of search, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the |

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|-----------|--------------|-----------|----------------|------------------------------------|
| | | | | time contains up to 64 characters. |

Request Example

```
{
  "roomID": 1,
  "bedNo": "101",
  "startTime": "2022-07-02T10:00:00+08:00",
  "endTime": "2022-07-02T20:00:00+08:00"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-----------------|---|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to Status or Error Code for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to Status or Error Code for details. Each description contains up to 256 characters. |
| data | Req. | sleepQuality [] | Response data details. |

sleepQuality Object Description

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|--------------------------------------|
| TotalTime | Req. | Number | Total sleep duration (unit: second). |
| DeepSleepTime | Req. | Number | Deep sleep duration (unit: second). |
| LightSleepTime | Req. | Number | Light sleep duration (unit: second). |

| Parameter | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------|---|
| AwakeTime | Req. | Number | Wakefulness duration (unit: second). |
| SleepTime | Req. | String | Time when the person falls asleep, which is in the following format: HH:mm. |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "TotalTime": 2000,
    "DeepSleepTime": 1200,
    "LightSleepTime": 600,
    "AwakeTime": 200,
    "SleepTime": "21:20"
  }
}
```

5.10.5 POST /artemis/api/healthcareradar/v1/inBedStatus

Search for person's in-bed status.

Request URL

https://[serverAddress]:[serverPort]/artemis/api/healthcareradar/v1/inBedStatus

Request Parameters

| Parameter | Req. or Opt. | Data Type | Parameter Type | Description |
|---------------|--------------|-----------|----------------|--|
| roomID | Req. | Number | Body | Person's room ID. |
| bedNo | Req. | String | Body | Person's bed No. The maximum length is 32. |

Request Example

```
{
  "roomID": 1,
  "bedNo": "101"
}
```

Response Parameters

| Parameter | Req. or Opt. | Data Type | Description |
|-------------|--------------|-------------|--|
| code | Req. | String | Returned status or error code: 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). Each code contains up to 32 characters. |
| msg | Req. | String | Status or error description, which is in one-to-one correspondence with the code, refer to <i>Status or Error Code</i> for details. Each description contains up to 256 characters. |
| data | Req. | InBedStatus | Response data details. |

InBedStatus Object Description

| Parameter | Req. or Opt. | Data Type | Description |
|--------------------|--------------|-----------|--|
| InBedStatus | Req. | Number | Person's in-bed status in real time: -1 (unknown), 0 (out of bed), 1 (in bed). |

Response Example

```
{
  "code": "0",
  "msg": "Success",
  "data": {
    "InBedStatus": 0
  }
}
```

Appendix A. Appendixes

A.1 Object Description

A.1.1 AccessLevel

The table here shows the visitor's access permission.

Table A-1 AccessLevel Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|------------------------|---|
| id | Req. | Number | The access level ID. |
| baseInfo | Req. | <i><u>BaseInfo</u></i> | The basic information about the access level. |

A.1.2 AcsDevInfo

The table here shows the information of an access control device.

Table A-2 AcsDevInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|--|
| acsDevIndexCode | Opt. | String | Access control device ID, which consists of up to 64 characters. |
| acsDevName | Opt. | String | Access control device name, which consists of up to 32 characters. |
| acsDevIp | Req. | String | IP address of access control device. |
| acsDevPort | Req. | String | Port No. of access control device. |
| acsDevCode | Opt. | String | Serial No. of access control device, which consists of up to 16 characters. |
| treatyType | Opt. | String | Transfer protocol types, i.e., "hiksdk_net" (Hikvision Private Protocol), and "ehome_reg" (ISUP-Intelligent Security Uplink Protocol). |
| status | Opt. | Number | Status of the access control device: 0-unknown, 1-online, 2-offline. |

A.1.3 AlarmInputInfo

The table here shows the alarm input information.

Table A-3 AlarmInputInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------|--------------|-----------|---|
| alarmInputIndexCode | Opt. | String | Alarm input ID, which consists of up to 64 characters. |
| alarmInputName | Opt. | String | Alarm input name, which consists of up to 32 characters. |
| regionIndexCode | Opt. | String | Area ID, which consists of up to 64 characters. |
| devIndexCode | Opt. | String | Device ID, which consists of up to 64 characters. |
| devResourceType | Opt. | String | Device resource type, i.e., "acsDevice" (access controller), "encodeDevice" (encoding device), and "alarmDevice" (alarm device). And the field can contain up to 32 characters. |
| networkStatus | Opt. | number | Alarm input status: 0-unknown, 1-online, 2-offline. |

A.1.4 AlarmOutputInfo

The table here shows the alarm output information.

Table A-4 AlarmOutputInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------------|--------------|-----------|---|
| alarmOutputIndexCode | Opt. | String | Alarm output ID, which consists of up to 64 characters. |
| alarmOutputName | Opt. | String | Alarm output name, which consists of up to 32 characters. |
| regionIndexCode | Opt. | String | Area ID, which consists of up to 64 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|---|
| devIndexCode | Opt. | String | Device ID, which consists of up to 64 characters. |
| devResourceType | Opt. | String | Device resource type, i.e., "acsDevice" (access controller), "encodeDevice" (encoding device), and "alarmDevice" (alarm device). And the field can contain up to 32 characters. |
| status | Opt. | Number | Alarm output status: -1 (unknown), 0 (disabled), 1 (enabled). |

A.1.5 ApplicationErrorResult

The table here shows the applying failure information.

Table A-5 ApplicationErrorResult Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------------|--------------|-----------|---|
| pageSize | Opt. | Number | Page size. The maximum length is 64 bytes. |
| pageNo | Opt. | Number | Number of pages. |
| applicationFailCount | Opt. | Number | Number of failures to apply data. |
| list | Req. | Array | List of device error information. |
| list[0] | Req. | Object | Error information of a device in the list. See details in <i>DeviceError</i> . |

A.1.6 BaseInfo

The table here shows the basic information.

Table A-6 BaseInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|---|
| fullName | Opt. | String | Name, the maximum length is 128 characters. |

A.1.7 CameraInfo

The table here shows the information of a camera.

Table A-7 CameraInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------------|--------------|-----------|--|
| cameraIndexCode | Opt. | String | Camera ID, which consists of up to 64 characters. |
| cameraName | Opt. | String | Camera name, which consists of up to 32 characters. |
| capabilitySet | Opt. | String | Capability set, i.e., "vss" (video capability), "event_veh" (vehicle capture capability), "gis" (field of view capability), "event_heat" (thermal capability), "event_pdc" (people counting capability), and "ptz" (PTZ capability). See details in <u>Capability Set</u> . |
| encodeDevIndexCode | Opt. | String | Encoding device ID, which consists of up to 64 characters. |
| devResourceType | | String | Device resource type (encodeDevice, acsDevice, alarmDevice). See details in <u>Resource Types / Resource Permission Code</u> . |
| devIndexCode | | String | Device ID, which is valid for non-encoding devices. |
| recordType | Opt. | String | Recording type, i.e., "0" (main recording) and "1" (auxiliary recording). And this field can contain up to 32 characters. See details in <u>Recording Type</u> . |
| recordLocation | Opt. | String | Storage location of video files, i.e., "0" (central storage), "1" (device storage), "2" (central cluster storage). And this field can contain up to 32 characters. See details in <u>Recording Storage Location</u> . |

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|---|
| regionIndexCode | Opt. | String | Area ID, which consists of up to 64 characters. |
| status | Opt. | Number | Camera status, i.e., 0-unknown, 1-online, 2-offline. |
| siteIndexCode | Opt. | String | Site ID, which consists of up to 64 characters. |
| treatyType | Opt. | String | Currently, this extension field is reserved. Transfer protocol types, i.e., "hiksdk_net" (Hikvision Private Protocol), "ehome_reg" (Hikvision Intelligent Security Uplink Protocol), and "onvif_net" (ONVIF Protocol). And this field can contain up to 32 characters. See details in <i>Access Protocol of Device</i> . |
| treatyTypeName | Opt. | String | Currently, this extension field is reserved. Transfer protocol name, which consists of up to 32 characters. |

A.1.8 CameraRecordStatus

The table shows the storage status of a camera linked to the specific Storage Server.

Table A-8 CameraRecordStatus Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|--|
| cameraIndexCode | Opt. | String | Camera ID, which consists of up to 64 characters. |
| cameraName | Opt. | String | Camera name, which consists of up to 64 characters. |
| deviceIp | Opt. | String | Device IP address, and the maximum length is 64 bytes. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|--|
| siteName | Opt. | String | Site name, which consists of up to 64 characters. |
| regionName | Opt. | String | Area name, which consists of up to 64 characters. |
| recordingScheduleName | Opt. | String | Recording schedule name, which consists of up to 32 characters. |
| storageType | Opt. | Number | Storage type: 0-unknown, 1-scheduled video storage, 2-ANR video storage, 3-picture storage. |
| recordingStatus | Opt. | Number | Recording status: 0-recording, 1-not record, 2-recording exception, 3-searching failed, 4-unknown. |
| networkStatus | Opt. | Number | Network status: 0-unknown, 1-online, 2-offline. |

A.1.9 Card

The table here shows the information of a card .

Table A-9 Card Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|-------------|
| cardNo | Opt. | String | Card No. |

A.1.10 CustomField

The table here shows the custom information about a person.

Table A-10 CustomField Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| id | Opt. | String | Custom feature ID. |
| customFileName | Opt. | String | Custom feature name, which consists of up to 32 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------------|--------------|---------------------------|---|
| customFieldType | Opt. | Number | Text type: 0 (normal text, which consists of 0 to 128 characters and cannot contain ' / \ : * ? " < >), 1 (numeric text, which consists of up to 32 digits), 2 (date text, its format is YYYY/MM/DD hh:mm:ss) , 3 (single selection). |
| customFieldValue | Opt. | String | Value of the custom feature, which consists of up to 128 characters. When the value of customFieldType is 3, this parameter indicates the preset value ID of the CustomField object. |
| presetValueList | Opt. | Array | Preset value list. |
| presetValueList[0] | Opt. | <u>PresetValue</u> | Information about a preset value in the list. |

A.1.11 DeviceError

The table here shows the error information of a device.

Table A-11 DeviceError Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------|--------------|-----------|--|
| deviceName | Opt. | String | Device name. The maximum length is 32 bytes. |
| errorList | Opt. | Array | Error details list. |
| errorList[0] | Opt. | Object | Details of an error in the list. See details in <u>RelatedErrorInfo</u> . |

A.1.12 DoorControlResult

The table here shows the information of an access point control result.

Table A-12 DoorControlResult Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------------|--------------|-----------|---|
| doorIndexCode | Req. | String | Access point ID, which consists of up to 64 characters. |
| controlResultCode | Req. | Number | Control status code of access point, i.e., 0-succeeded, other codes-failed (refer to <i>Status or Error Code</i> for details). |
| controlResultDesc | Opt. | String | Control status description of access point, refer to <i>Status or Error Code</i> for details. |

A.1.13 DoorInfo

The table here shows the information of an access point.

Table A-13 DoorInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|---|
| doorIndexCode | Opt. | String | Access point ID, which consists of up to 64 characters. |
| doorName | Opt. | String | Access point name, which consists of up to 32 characters. |
| doorNo | Opt. | String | Access point No. (or door No.), which consists of up to 16 characters. |
| doorState | Opt. | Number | Door statuses: 0-door remain open, 1-door closed, 2-door open, 3-door remain closed, 4-offline. |
| acsDevIndexCode | Opt. | String | Access control device ID, which consists of up to 64 characters. |
| regionIndexCode | Opt. | String | Area ID, which consists of up to 64 characters. |

A.1.14 EncodeDevInfo

The table here shows the information of an encoding device.

Table A-14 EncodeDevInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------------|--------------|-----------|---|
| encodeDevIndexCode | Optional | String | Encoding device ID, which consists of up to 64 characters. |
| encodeDevName | Optional | String | Encoding device name, which consists of up to 32 characters. |
| encodeDevIp | Required | String | IP address of encoding device |
| encodeDevPort | Required | String | Port No. of encoding device. |
| encodeDevCode | Optional | String | Serial No. of encoding device, which consists of up to 16 characters. |
| treatyType | Optional | String | Transfer protocol types, i.e., "hiksdk_net" (Hikvision Private Protocol), "ehome_reg" (Hikvision Intelligent Security Uplink Protocol), and "onvif_net" (ONVIF Protocol). |
| status | Opt. | Number | Status of the encoding device: 0-unknown, 1-online, 2-offline. |

A.1.15 EventPic

The table here shows the event picture information.

Table A-15 EventPic Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------|--------------|-----------|--|
| eventPicUri | Opt. | String | URL of the event picture, the maximum length is 256 characters. |
| picType | Opt. | Number | Picture type: 1 (picture reported by the device), 2 (picture captured by linkage). |

A.1.16 EventRecord

The table here shows the information of an event record.

Table A-16 EventRecord Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|---|
| eventIndexCode | Req. | String | Event ID, which consists of up to 64 characters. |
| eventType | Req. | String | Event type, refer to <i>Event Types or Alarm Categories</i> for details. |
| srcType | Req. | String | Event source type: "region" (area), "acsDevice" (access controller), "door" (access point), "encodeDevice" (encoding device), "camera", "ioIn" (alarm input), "ioOut" (alarm output), "generalEventRule" (general event rule). And the field can contain up to 64 characters. |
| srcIndex | Req. | String | Event source No., which consists of up to 64 characters. |
| subSrcType | Opt. | String | Event source type, which is available for search of license plate matched or mismatched event. The maximum length is 64 bytes. |
| subSrcIndex | Opt. | String | Event source No., which is available for search of license plate matched or mismatched event. Each two No. should be separated by comma. The maximum length is 1024 bytes. |
| description | Opt. | String | Event description information, which consists of up to 1024 characters. |
| startTime | Req. | String | Event occurred time, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time consists of up to 64 characters. |
| stopTime | Opt. | String | Stop time of event, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time consists of up to 64 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------|--------------|------------------------|--|
| eventPicUri | Opt. | String | Event picture URL, and the maximum length is 256 characters. |
| eventPicList | Opt. | Array | Event picture list. |
| eventPicList[0] | Opt. | <i>EventPic</i> | Event picture information. |
| linkCameraIndexCode | Opt. | String | The linked camera ID, which consists of up to 1024 characters. |

A.1.17 face

The table here shows the information of a face.

Table A-17 face Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| faceData | Req. | String | A data string of face picture encoded by Base64. |

A.1.18 FaceGroupInfo

The table here shows the information of a face comparison group.

Table A-18 FaceGroupInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------|--------------|-----------|---|
| indexCode | Req. | String | Face comparison group ID, and it consists of up to 64 characters. |
| name | Req. | String | Name of face comparison group, which consists of up to 32 characters. |
| description | Req. | String | Description information, and it can contain up to 128 characters. |

A.1.19 FaceInfo

The table here shows the information of a face.

Table A-19 FaceInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------|--------------|-----------|--|
| personGivenName | Req. | String | Person's given name; the total length of given name and family name cannot be longer than 255 characters. |
| personFamilyName | Req. | String | Person's family name; the total length of given name and family name cannot be longer than 255 characters. |
| sex | Opt. | String | Gender of the person linked with the face information: "1"-male, "2"-female, "0"-unknown. |

A.1.20 facePic

The table here shows the information of a face picture.

Table A-20 facePic Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|--|
| faceBinaryData | Opt. | String | A binary data string of face picture, which is encoded by Base64. The picture size must be between 10 KB and 100 KB, and the format should be JPG. |

A.1.21 FaceMatchRecord

The table here shows the face comparison information.

Table A-21 FaceMatchRecord Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|------------------------------------|
| recordIndexCode | Req. | String | Record ID. |
| cameraInfo | Req. | Object | Camera information. |
| cameraIndexCode | Req. | String | Camera ID. |
| cameraName | Req. | String | Camera name. |
| faceGroupInfo | Req. | Object | Face comparison group information. |

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| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------|--------------|-----------|---|
| faceGroupIndexCodes | Req. | String | Face comparison group ID. |
| faceGroupName | Req. | String | Face comparison group name. |
| PersonInfo | Req. | Object | Face picture coordinates. |
| personId | Req. | String | Person ID, the maximum length is 64 characters. |
| personCode | Req. | String | Person No., the maximum length is 16 characters. |
| personName | Req. | String | Name, the maximum length is 512 characters. |
| personFamilyName | Req. | String | Person's family name, the maximum length is 256 characters. |
| personGivenName | Req. | String | Person's given name, the maximum length is 256 characters. |
| similarity | Req. | Number | Similarity between the picture in the library and the captured picture. |
| faceTime | Req. | String | Time when the picture is captured. |
| snapFacePicUrl | Req. | String | URL of the captured picture. |
| faceRect | Req. | Object | Face coordinate information. |
| height | Req. | Number | Height. |
| width | Req. | Number | Width. |
| x | Req. | Number | X coordinate. |
| y | Req. | Number | Y coordinate. |
| bkgPicUrl | Opt. | String | URL of the background picture. |
| bkgRect | Opt. | Object | Coordinate information of the background picture. |
| height | Opt. | Number | Height. |
| width | Opt. | Number | Width. |
| x | Opt. | Number | X coordinate. |
| y | Opt. | Number | Y coordinate. |
| temperatureData | Req. | String | Temperature. |
| temperatureStatus | Req. | Number | Temperature status: -1 (all), 0 (unknown), 1 (normal), 2 (exception). |

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|--|
| wearMaskStatus | Req. | Number | Whether a wearing mask: -1 (all), 0 (unknown), 1 (yes), 2 (no). |
| gender | Opt. | Number | Gender: 0 (unknown), 1 (male), 2 (female). |
| ageGroup | Opt. | Number | Age group. |
| glasses | Opt. | Number | Whether wearing glasses: 0 (unknown), 1 (yes), 2 (no), 3 (sunglasses). |
| smile | Req. | Number | Smile or not: 1 (unknown), 2 (no), 3 (smile). |

A.1.22 FingerPrint

The table here shows the information of a fingerprint.

Table A-22 FingerPrint Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------------|--------------|-----------|---|
| fingerPrintIndexCode | Opt. | String | Fingerprint ID, which consists of up to 64 characters. |
| fingerPrintName | Opt. | String | Fingerprint name, which consists of up to 64 characters. |
| fingerPrintData | Opt. | String | Fingerprint data, which consists of up to 1024 characters. If this field is not configured, the previous fingerprint data will be used. |
| relatedCardNo | Opt. | String | The linked card No. The maximum length is 20 bytes. |

A.1.23 fingerPrintUpdateResult

This table shows the a fingerprint updating result.

Table A-23 fingerprintUpdateResult Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|--|
| fingerprintName | Req. | String | Fingerprint name. The maximum length is 64 bytes. |
| errorCode | Req. | String | Error code returned when failed. See details in <i>Status or Error Code</i> . |
| errorDesc | Opt. | String | Error description. See details in <i>Status or Error Code</i> . |

A.1.24 FloorInfo

The table here shows the floor information.

Table A-24 FloorInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------|--------------|-----------|-------------------|
| floorIndexCode | Req. | String | Floor ID. |
| floorName | Req. | String | Floor name. |
| parkingLotIndexCode | Req. | String | Parking lot ID. |
| parkingLotName | Req. | String | Parking lot name. |

A.1.25 FloorOverViewInfo

The table here shows the floor overview.

Table A-25 FloorOverViewInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------|--------------|-----------|--|
| floorIndexCode | Req. | String | Floor ID. |
| floorName | Req. | String | Floor name. |
| parkingLotIndexCode | Req. | String | Parking lot ID. |
| totalSpaceNum | Req. | Number | Total number of parking spaces on the floor. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------------|--------------|-------------------------------------|---|
| freeSpaceNum | Req. | Number | Number of vacant parking spaces on the floor. |
| spaceTypeOverview | Req. | Array | List of all parking space types. |
| spaceTypeOverview[0] | Req. | <u><i>SpaceTypeOverviewInfo</i></u> | Information about a parking space type. |

A.1.26 GeneralEventRule

The table here shows information of generic event rule.

Table A-26 GeneralEventRule Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------------|--------------|-----------|---|
| generalEventRuleIndexCode | Opt. | String | Generic event rule ID, which consists of up to 64 characters. |
| generalEventRuleName | Req. | String | Name of the generic event rule, which consists of up to 32 characters. |
| transportType | Req. | Number | Transmission type: 0-TCP, 1-UDP. |
| matchType | Req. | Number | Match type: 0-search (the received data package must contain the text specified in expression , but may also have more content), 1-match (the received data package must contain exactly the text specified in expression , and nothing else). The maximum length is 64 characters. |
| expression | Req. | String | Description of the regular expression, which consists of up to 256 characters. |
| regularExpression | Req. | String | Regular expression of the generic event rule. |

A.1.27 gpsInfo

The table here shows the GPS information.

Table A-27 gpsInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------|--------------|-----------|--|
| occurTime | Req. | String | GPS report time. The maximum length is 32 characters. |
| longitude | Req. | Number | Longitude. The maximum length is 16 characters. |
| latitude | Req. | Number | Latitude. The maximum length is 16 characters. |
| direction | Req. | Number | Vehicle direction (unit: degree; calculated clockwise from due north (0)). The maximum length is 16 characters. |
| gpsDisplay | Req. | String | Displayed GPS information. The maximum length is 32 characters. |
| directionDisplay | Req. | String | Displayed direction ("North", "Northeast", "East", "Southeast", "South", "Southwest", "West", "Northwest"). The maximum length is 16 characters. |
| speed | Req. | Number | Speed (consistent with the HCP platform: km/h by default). The maximum length is 16 characters. |

A.1.28 HDDInfo

The table shows the information of a HDD.

Table A-28 HDDInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|-----------|--|
| poolID | Opt. | String | Resource pool ID, which consists of up to 32 characters. |
| poolName | Opt. | String | Resource pool name, which consists of up to 64 characters. |
| Status | Opt. | Number | HDD status. Currently, this parameter is reserved. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------|------------------------------|
| Capacity | Opt. | Number | HDD capacity, unit: MB. |
| FreeSpace | Opt. | Number | Free space of HDD, unit: MB. |
| UsedSpace | Opt. | Number | HDD usage, unit: MB. |

A.1.29 IntelligentServerInfo

The table shows the information of an Intelligent Server.

Table A-29 IntelligentServerInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------------------|--------------|-----------|---|
| intelligentServerIndexCode | Opt. | String | Intelligent Server ID, which consists of up to 64 characters. |
| intelligentServerName | Opt. | String | Intelligent Server name, which consists of up to 64 characters. |
| intelligentServerIp | Opt. | String | IP address of Intelligent Server, whose maximum length is 64 bytes. |
| status | Opt. | Number | Network status: 0-unknown, 1-online, 2-offline. |

A.1.30 LiveViewUrlInfo

The table shows the information of live view URL.

Table A-30 LiveViewUrlInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|---|
| url | Req. | String | Streaming URL, which consists of up to 128 characters. |
| authentication | Opt. | String | The authentication information for getting stream, which contains user name, password, and token information. And this field can contain up to 1024 characters. |

A.1.31 MobileDeviceInfo

The table here shows the mobile device information.

Table A-31 MobileDeviceInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------------|--------------|-----------|--|
| mobileDevIndexCode | Opt. | String | Mobile device ID. The maximum length is 64 characters. |
| mobileDevName | Opt. | String | Mobile device name. The maximum length is 32 characters. |
| mobileDevIp | Opt. | String | Mobile device IP. The maximum length is 16 characters. |
| mobileDevPort | Opt. | String | Mobile device port. The maximum length is 16 characters. |
| mobileDevCode | Opt. | String | Mobile device No. The maximum length is 16 characters. |
| treatyType | Opt. | String | Access protocol. The maximum length is 16 characters. See details in <i>Access Protocol of Device</i> . |
| status | Opt. | Number | Online status (0-unknown, 1-online, 2-offline). |

A.1.32 MobilevehicleInfo

The table here shows the information of vehicles linked to mobile devices.

Table A-32 MobilevehicleInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------------|--------------|-----------|--|
| mobilevehicleIndexCode | Req. | String | ID of vehicle linked to the mobile device. The maximum length is 128 characters. |
| mobilevehicleName | Req. | String | Name of vehicle linked to the mobile device. The maximum length is 256 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------|--------------|-----------|---|
| DevIndexCode | Req. | String | Device ID. The maximum length is 128 characters. |
| regionIndexCode | Req. | String | Area ID. The maximum length is 128 characters. |
| status | Req. | Number | Online status (0-unknown, 1-online, 2-offline). |
| plateNo | Req. | String | License plate number of the vehicle. The maximum length is 16 characters. |
| personName | Req. | String | Person name. The maximum length is 64 characters. |
| personFamilyName | Opt. | String | Family name of the person. The maximum length is 64 characters. |
| personGivenName | Opt. | String | Given name of the person. The maximum length is 64 characters. |
| phoneNo | Opt. | String | Contact number. The maximum length is 20 characters. |
| vehicleColor | Opt. | Number | Vehicle color. See details in <i>Vehicle Color</i> . |
| vehicleType | Opt. | Number | Vehicle type: 0-others, 1-small-sized vehicle, 2-large-sized vehicle, 3-motorcycle. |
| vehicleBrand | Opt. | Number | Vehicle brand. |

A.1.33 OrgInfo

The table here shows the information of an organization.

Table A-33 OrgInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------------|--------------|-----------|--|
| orgIndexCode | Opt. | String | Organization ID, which consists of up to 64 characters. |
| orgName | Opt. | String | Organization name, which consists of up to 64 characters. |
| parentOrgIndexCode | Opt. | String | Parent organization ID, which consists of up to 64 characters. |

A.1.34 ParkingLotInfo

The table here shows the information about a parking lot.

Table A-34 ParkingLotInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------------|--------------|-----------|--|
| parkingLotIndexCode | Req. | String | Parking lot ID. |
| parkingLotName | Req. | String | Parking lot name. |
| parentParkingLotIndexCode | Opt. | String | Parent parking lot ID (if exists). |
| totalSpaceNum | Req. | Number | Total number of parking spaces. |
| freeSpaceNum | Req. | Number | Number of vacant parking spaces. |
| totalPermanentSpaceNum | Req. | Number | Total number of parking spaces for registered vehicles. |
| freePermanentSpaceNum | Req. | Number | Number of vacant parking spaces for registered vehicles. |
| maxParkingTime | Req. | Number | Max. parking duration (hour). |

A.1.35 ParkingRecordInfo

The table here shows the information about a vehicle parking record.

Table A-35 ParkingRecordInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------|--------------|-----------|---|
| guid | Req. | Number | Vehicle parking record ID. |
| parkingLotIndexCode | Req. | String | Parking lot ID. |
| parkingLotName | Req. | String | Parking lot name. |
| floorIndexCode | Req. | String | Floor ID. |
| floorName | Req. | String | Floor name. |
| parkingSpaceSerial | Req. | String | Parking space serial No. |
| plateLicense | Req. | String | License plate number. |
| parkingStatusType | Req. | Number | Status: 0 (parking), 1 (exited). |
| occurTime | Req. | String | Time when the vehicle entered/exited the parking space. |
| duration | Opt. | Number | Parking duration (if the vehicle has exited). The unit is second. |

A.1.36 ParkingSpaceInfo

The table here shows the information about a parking space.

Table A-36 ParkingSpaceInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|--|
| spaceIndexCode | Req. | String | Parking space ID. |
| floorIndexCode | Req. | String | Floor ID. |
| spaceType | Req. | Number | Parking space type: 1 (general), 2 (allowed), 3 (forbidden), 4 (charging), 5 (private), 6 (registered), 7 (temporary). |
| serial | Req. | String | Parking space serial No. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------|--------------|-----------|--|
| status | Req. | Number | Status: 0 (unknown), 1 (vacant), 2 (occupied), 3 (overtime parking), 4 (parking violations). |
| plateNumber | Req. | String | License plate number. |
| creatTime | Req. | String | Time when the current status started. |
| duration | Req. | Number | Duration of the current status. |
| parkingImageUrl | Req. | String | URL of the background picture. |
| platenumberImageUrl | Req. | String | URL of the license plate. |

A.1.37 PassingRecordInfo

The table here shows the information about a vehicle passing record.

Table A-37 PassingRecordInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------|--------------|-----------|---------------------------------|
| guid | Req. | String | Vehicle passing record ID. |
| parkingLotInfo | Req. | Object | Parking lot information. |
| parkingLotIndexCode | Req. | String | Parking lot ID. |
| parkingLotName | Req. | String | Parking lot name. |
| passagewayInfo | Req. | Object | Entrance/exit information. |
| passagewayIndexCode | Req. | String | Entrance/exit ID. |
| passagewayName | Req. | String | Entrance/exit name. |
| laneInfo | Req. | Object | Lane information. |
| laneIndexCode | Req. | String | Lane ID. |
| laneName | Req. | String | Lane name. |
| direction | Req. | Number | Direction: 1 (entry), 2 (exit). |

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------|--------------|-----------|---|
| personInfo | Req. | Object | Vehicle owner information. |
| cardNum | Req. | Number | ID number. |
| ownerName | Req. | String | Owner name. |
| ownerPhoneNum | Req. | String | Phone number. |
| carInfo | Req. | Object | Vehicle information. |
| plateLicense | Req. | String | License plate number. |
| carType | Req. | Number | Vehicle type: 0 (Other), 1 (small-sized vehicle), 2 (large-sized vehicle), 3 (bus), 4 (truck), 5 (sedan), 6 (minivan), 7 (small-sized truck). |
| ImageUrl | Req. | String | URL of the vehicle picture. |
| EnterTime | Req. | String | Time when the vehicle entered the parking lot. |
| ExitTime | Req. | String | Time when the vehicle exited the parking lot. |
| allowType | Req. | Number | Allow mode: 1 (manual), 2 (auto), 3 (not allowed). |
| allowResult | Req. | Number | Whether the passing is allowed: 1 (allowed), 2 (not allowed). |

A.1.38 PassVehicleRecord

The table here shows the information of a vehicle passing record.

Table A-38 PassVehicleRecord Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------------|--------------|-----------|---|
| crossRecordSyscode | Req. | String | Vehicle passing record ID, which consists of up to 64 characters. |
| cameraIndexCode | Req. | String | Camera ID, which consists of up to 64 characters. |
| plateNo | Opt. | String | License plate number of vehicle, which consists of up to 64 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------|--------------|-----------|--|
| ownerName | Opt. | String | Vehicle owner name, which consists of up to 64 characters. |
| contact | Opt. | String | Contact number of vehicle owner, which consists of up to 32 characters. |
| vehicleColor | Opt. | Number | Vehicle color: 0-other color, 1-white, 2- silver, 3-grey, 4-black, 5-red, 6-dark blue, 7- blue, 8-yellow, 9-green, 10- brown, 11-pink, 12- purple. |
| vehicleType | Opt. | Number | Vehicle type: 0-others, 1-small-sized vehicle, 2-large-sized vehicle, 3- motorcycle. |
| country | Opt. | Number | Country of the vehicle. |
| vehiclePicUri | Opt. | String | Vehicle picture URL, which consists of up to 256 characters. |
| crossTime | Opt. | String | Vehicle passed time, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time consists of up to 64 characters. |
| createTime | Opt. | String | Record created time, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time consists of up to 64 characters. |

A.1.39 PatrolInfo

The table here shows the patrol information.

Table A-39 PatrolInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------------|--------------|-----------|--|
| patrolName | Req. | String | Patrol name, which consists of up to 128 characters. |
| patrolIndex | Req. | Number | Patrol No., which is between 1 and 8. And the No. consists of up to 64 characters. |
| patrolPointInfoList | Opt. | Array | Preset information list of the patrol. |
| patrolPointInfoList[0] | Opt. | Object | Information of a preset in the list of the patrol. Refer to <i>PatrolPointInfo</i> for details. |

A.1.40 PatrolPointInfo

The table here shows the information of a preset in the patrol.

Table A-40 PatrolPointInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------|--------------|-----------|--|
| presetIndex | Req. | Number | Preset No., which is between 1 and 256. And the No. consists of up to 64 characters. |
| presetName | Opt. | String | Preset name, which consists of up to 32 characters. This field is not Req. when editing the preset, and it will not be returned when searching patrols, getting patrol information by patrol No. |
| speed | Req. | Number | Switching speed between each two presets, which is between 1 and 40. |
| dwelTime | Req. | Number | Dwell duration of a preset, which is between 15 and 30. |

A.1.41 PeopleCountInfo

This table shows people counting statistics information of an item.

Table A-41 PeopleCountInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|--|
| time | Opt. | String | Statistics time. The maximum length is 64 bytes. |
| cameraIndexCode | Opt. | String | Camera ID. The maximum length is 64 bytes. |
| exitNum | Opt. | Number | Number of people exited. |
| enterNum | Opt. | Number | Number of people entered. |

A.1.42 PeopleCountingParam

The table here shows people counting parameters.

Table A-42 PeopleCountingParam Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------------------|--------------|-----------------------------------|--------------------|
| relatedResourceInfoList | Opt. | <u><i>RelatedResourceInfo</i></u> | Related resources. |

A.1.43 PersonInfo

The table here shows the information of a person.

Table A-43 PersonInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------|--------------|-----------|--|
| personId | Opt. | String | Person ID, which consists of up to 64 characters. |
| personCode | Opt. | String | Person No., which consists of up to 16 characters. |
| personName | Opt. | String | Person name, which consists of up to 512 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------------|--------------|-----------|--|
| personFamilyName | Opt. | String | Family name of the person, which consists of up to 256 characters. |
| personGivenName | Opt. | String | Given name of the person, which consists of up to 256 characters. |
| gender | Opt. | Number | Gender, i.e., 0-unknown, 1-male, 2-female; and this field can contain up to 32 characters. |
| orgIndexCode | Opt. | String | Person's organization ID, which consists of up to 64 characters. |
| fingerPrint | Opt. | Object | Fingerprint information. See details in <i>FingerPrint</i> . |
| phoneNo | Opt. | String | Contact number, which consists of up to 64 characters. |
| personPhoto | Opt. | Object | Person picture information. See details in <i>PersonPhoto</i> . |
| email | Opt. | String | Email address of the person, which consists of up to 64 characters. |
| remark | Opt. | String | Remarks, which consists of up to 256 characters. |
| cards | Opt. | Object | Card information. See details in <i>Card</i> . |
| beginTime | Req. | String | Start time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 bytes. |
| endTime | Req. | String | End time in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 bytes. |
| customFieldList | Opt. | Array | List of custom information. |
| customFieldList[0] | Opt. | Object | Custom information. See details in <i>CustomField</i> . |

A.1.44 PersonInOutEvents

The table here shows the information of an access point event.

Table A-44 PersonInOutEvents Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------|--------------|-----------|--|
| eventId | Req. | String | Event ID, which consists of up to 32 characters including digits and lower-case letters. |
| eventType | Req. | Number | Decimal event type code, refer to <i>Event Types or Alarm Categories</i> for details. |
| eventTime | Req. | String | Event occurred time, which is in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. And the time consists of up to 32 characters. |
| deviceTime | Opt. | String | Event occurred time (device time), which is in ISO 8601 time format. The maximum length is 32 bytes. |
| personId | Opt. | String | Person ID, which consists of up to 64 characters including digits, lower-case letters, and dashes. |
| personName | Opt. | String | Person name, which consists of 1 to 512 characters, but cannot contain special characters like ' / \ : * ? " < > |
| personFamilyName | Opt. | String | Family name of the person, which consists of 256 characters. |
| personGivenName | Opt. | String | Given name of the person, which consists of 256 characters. |
| doorName | Opt. | String | Access point name, which consists of 1 to 32 characters, but cannot contain special characters like ' / \ : * ? " < > |
| doorIndexCode | Opt. | String | Access control ID, which consists of up to 64 characters including digits, lower-case letters, and dashes. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------------|--------------|-----------|---|
| cardNo | Opt. | String | Card number, which consists of up to 32 characters. |
| checkInAndOutType | Opt. | Number | Attendance type, 0: unknown, 1: check-in, 2: check-out, 3: break-out, 4: break-in, 5: overtime-in, 6: overtime-out. |
| picUri | Opt. | String | Captured picture URI (a relative path). The maximum length is 512 bytes. You can call <i>POST /artemis/api/acs/v1/event/pictures</i> to get the picture data from the URI. |
| temperatureData | Opt. | String | Temperature value. The maximum length is 64 bytes. |
| temperatureStatus | Opt. | Number | Temperature status: 0-unknown, 1-normal, 2-abnormal. |
| wearMaskStatus | Opt. | Number | Wearing mask or not: 0-unknown, 1-yes, 2-no. |
| readerIndexCode | Opt. | String | Card reader ID, which consists of up to 64 characters. |
| readerName | Opt. | String | Card reader name, which consists of up to 64 characters. |

A.1.45 PersonPhoto

The table here shows the information of a person picture.

Table A-45 PersonPhoto Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| picUri | Opt. | String | Person picture URL, which consists of up to 256 characters. |

A.1.46 PlaybackUrlVideoInfo

The table shows the information of playback URL and video segment.

Table A-46 PlaybackUrlVideoInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|---|
| list | Req. | Array | Information list of video segments. |
| list[0] | Req. | Object | Information of a video segment in the list. See details in <i>VideoInfo</i> . |
| uuid | Opt. | String | ID for searching by page. This UUID is returned after the previous search and it is used for the next search of remaining videos. By default, it is "null". And it consists of up to 64 characters. |
| url | Req. | String | Streaming URL, which consists of up to 128 characters. |
| authentication | Opt. | String | The authentication information for getting stream, which contains user name, password, and token information. And this field can contain up to 1024 characters. |
| recordLocation | Opt. | String | Video storage location: "0"-central storage (default), "1"-device storage, "2"-central cluster storage. This field can contain up to 32 characters. |

A.1.47 PresetInfo

This table shows the information of a preset.

Table A-47 PresetInfo Object Description

| Parameter | Req. or Opt. | Data Type | Description |
|--------------------|--------------|-----------|--|
| presetName | Req. | String | Preset name, which consists of up to 128 characters. |
| presetIndex | Req. | Number | Preset No., which consists of up to 128 characters. |

A.1.48 PresetValue

The table here shows the information about a preset value.

Table A-48 PresetValue Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| id | Opt. | String | Preset value ID, which consists of up to 64 characters. |
| value | Opt. | String | Preset value, which consists of up to 32 characters. |

A.1.49 PrivilegeGroupInfo

The table here shows access group information.

Table A-49 PrivilegeGroupInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------------|--------------|-----------|---|
| privilegeGroupId | Req. | String | Access level ID, which consists of up to 64 characters. |
| privilegeGroupName | Req. | String | Access level name, which consists of up to 32 characters. |
| description | Req. | String | Description, which consists of up to 128 characters. |
| timeSchedule | Req. | Object | Time schedule template. See details in <i>TimeSchedule</i> . |

A.1.50 ReaderInfo

The table here shows card reader information.

Table A-50 ReaderInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------|---|
| indexCode | Req. | String | Card reader ID, which consists of up to 64 characters. |
| name | Req. | String | Card reader name, which consists of up to 64 characters. |
| enable | Opt. | Number | Whether to enable the card reader: 0-disable, 1-enable. If this parameter does not exist, it indicates that configuring this item is not supported. |

A.1.51 RealPeopleCountInfo

The table here shows the real-time statistics of a group.

Table A-51 RealPeopleCountInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------------|--------------|-----------|---|
| time | Opt. | String | Time, which consists of up to 64 characters. |
| resourceGroupIndexCode | Opt. | String | Resource group ID, which consists of up to 64 characters. |
| resourceGroupName | Opt. | String | Resource group name, which consists of up to 64 characters. |
| exitNum | Opt. | Number | Number of people who exited the area. |
| enterNum | Opt. | Number | Number of people who entered the area. |
| limitNum | Opt. | Number | Number threshold. |

A.1.52 RecordOverview

The table here shows the record overview.

Table A-52 MobileDeviceInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------------|--------------|-----------|---|
| eventIndexCode | Req. | String | Event record ID. The maximum length is 64 characters. |
| eventType | Req. | Number | Event type. The maximum length is 16 characters. |
| mobilevehicleIndexCode | Req. | String | Mobile vehicle ID. The maximum length is 64 characters. |
| plateNo | Req. | String | License plate No. The maximum length is 20 characters. |
| ownerName | Req. | String | Vehicle owner name. The maximum length is 64 characters. |
| regionName | Req. | String | Area name. The maximum length is 64 characters. |
| occurTime | Req. | String | GPS report time, in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00+08:00". The maximum length is 64 characters. |
| longitude | Req. | String | Longitude (integer; including negative values), actual degrees \times 3600 \times 100 + actual minutes \times 60 \times 100 + actual seconds \times 100. The maximum length is 16 characters. |
| latitude | Req. | String | Latitude (integer; including negative values), actual degrees \times 3600 \times 100 + actual minutes \times 60 \times 100 + actual seconds \times 100. The maximum length is 16 characters. |
| direction | Req. | Number | Vehicle direction (unit: degree; calculated clockwise from due north (0)). The maximum length is 16 characters. |
| speed | Req. | Number | Speed (consistent with the HCP platform: km/h by default). The maximum length is 16 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------|--------------|-----------|--|
| displayInfo | Req. | String | Displayed GPS information, e.g., E120, 50, 20; N30, 50, 20. The maximum length is 64 characters. |
| directionInfo | Req. | String | Direction information ("North", "Northeast", "East", "Southeast", "South", "Southwest", "West", "Northwest"). The maximum length is 16 characters. |

A.1.53 RelatedResourceInfo

The table here shows related resources.

Table A-53 RelatedResourceInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------------|--------------|-----------|--|
| resourceType | Opt. | Number | Resource type: 1 (camera), 2 (door). |
| resourceIndexCode | Opt. | String | Resource ID, the maximum length is 64 characters. |
| resourceName | Opt. | Number | Resource name. |
| entryExitConfig | Opt. | Number | Enter/exit direction: 1 (people crossing along the entry direction (for camera/door) will be calculated as people entered this region), 2 (people crossing along the entry direction (for camera/door) will be calculated as people exited this region). |

A.1.54 RecordServerInfo

The table shows the information of a Storage Server.

Table A-54 RecordServerInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------------|--------------|-----------|---|
| recordServerIndexCode | Opt. | String | Storage Server ID, which consists of up to 64 characters. |
| recordServerName | Opt. | String | Storage Server name, which consists of up to 64 characters. |
| recordServerIp | Opt. | String | IP address of Storage Server, whose maximum length is 64 bytes. |
| recordingStatus | Opt. | Number | Video status: 0-unknown, 1-normal, 2-exception. |
| networkStatus | Opt. | Number | Network status: 0-unknown, 1-online, 2-offline. |
| hddList | Opt. | Array | HDD information list. This parameter is valid only when getting the information of a single Storage Server. |
| hddList[0] | Opt. | Object | Information of a HDD, refer to <i>HDDInfo</i> for details. |

A.1.55 RegionInfo

The table here shows the information of an area.

Table A-55 RegionInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|--|
| indexCode | Opt. | String | Area ID, which consists of up to 64 characters. |
| name | Opt. | String | Area name, which consists of up to 32 characters. |
| parentIndexCode | Opt. | String | Parent area ID, which consists of up to 64 characters. |
| siteIndexCode | Opt. | String | Site ID, which consists of up to 64 characters. |

A.1.56 RelatedErrorInfo

The table here shows the details of an error.

Table A-56 RelatedErrorInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|---|
| personName | Opt. | String | Person name. The maximum length is 64 bytes. |
| resourceName | Opt. | String | Resource name. The maximum length is 32 bytes. For multiple names, each two names should be separated by comma. |
| errorItems | Opt. | String | Error type: 0-device exception; 1-incorrect card information; 2-incorrect fingerprint information; 3-incorrect face information; 4-incorrect person information. For multiple types, each two types should be separated by comma. |

A.1.57 ResourceGroupInfo

The table here shows information about a resource group.

Table A-57 ResourceGroupInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------------|--------------|---------------------------------------|--|
| resourceGroupIndexCode | Opt. | String | Resource group ID, which consists of up to 64 characters. |
| resourceGroupName | Opt. | String | Name of the resource group, which consists of up to 64 characters. |
| siteIndexCode | Opt. | String | Site ID. |
| peopleCountingParameter | Opt. | <i><u>PeopleCountingParameter</u></i> | People counting parameters. |

A.1.58 SiteInfo

The table here shows the information of a site.

Table A-58 SiteInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------|--------------|-----------|--|
| siteIndexCode | Opt. | String | Site ID, which consists of up to 64 characters. |
| siteName | Opt. | String | Site name, which consists of up to 32 characters. |
| siteIp | Req. | String | Site IP address. |
| sitePort | Req. | String | Site port No. |
| description | Opt. | String | Site description information, which consists of up to 64 characters. |

A.1.59 SpaceTypeOverViewInfo

The table here shows the information about a parking space type.

Table A-59 SpaceTypeOverViewInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------|--------------|-----------|--|
| typeIndexCode | Req. | String | Parking space type ID. |
| typeName | Req. | String | Name of the parking space type. |
| typeColor | Req. | String | Color of the parking space type. |
| totalSpaceNum | Req. | Number | Total number of parking spaces of the type. |
| freeSpaceNum | Req. | Number | Vacant number of parking spaces of the type. |

A.1.60 StatisticResult

The table here shows the statistics result.

Table A-60 StatisticResult Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------------------|--------------|-----------|--|
| unApplicationCount | Opt. | Number | Number of not applied attempts. |
| applicationFailCount | Opt. | Number | Number of failures to apply data. |
| editAndUnApplicationCount | Opt. | Number | Number of edited and not applied attempts. |

A.1.61 StreamServerInfo

The table shows the information of a Stream Media Server.


Table A-61 StreamServerInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------------|--------------|-----------|---|
| streamServerIndexCode | Opt. | String | Stream Media Server ID, which consists of up to 64 characters. |
| streamServerName | Opt. | String | Stream Media Server name, which consists of up to 64 characters. |
| streamServerIp | Opt. | String | IP address of Stream Media Server, whose maximum length is 64 bytes. |
| totalStreamNum | Opt. | Number | Total number of stream channels. |
| streamInNum | Opt. | Number | Number of stream input channels. |
| streamOutNum | Opt. | Number | Number of stream output channels. |
| status | Opt. | Number | Network status: 0-exception, 1-normal. |
| CPUUsage | Opt. | Number | CPU usage of Stream Media Server, which is represented by percentage. |
| RAMUsage | Opt. | Number | RAM usage of Stream Media Server, which is represented by percentage. |

A.1.62 SubscriptionInfo

The table here shows the details of a subscribed event.

Table A-62 SubscriptionInfo Object Description

| Parameter | Req. or Opt. | Data Type | Description |
|-------------------|--------------|---------------|---|
| eventTypes | Req. | Array[Number] | Event type code, which is a decimal integer, refer to <i>Event Types or Alarm Categories</i> for details. |
| eventDest | Req. | String | Address to receive event information, which consists of up to 1024 characters. The address adopts RESTful callback mode, and supports HTTP and HTTPS, its format is "http://ip:port/eventRcv" or "https://ip:port/eventRcv".  Note Refer to <i>Event Message Format</i> for the event details received in the address. |
| passBack | Req. | Number | Whether to enable event callback: 0-no (by default), 1-yes. |

A.1.63 TimeSchedule

The table here shows the information of time schedule template.

Table A-63 TimeSchedule Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------|--|
| indexCode | Req. | String | Time schedule template ID, which consists of up to 64 characters. |
| name | Req. | String | Name of the time schedule template, which consists of up to 32 characters. |

A.1.64 TwoWayAudioUrlInfo

The table shows the information of two-way audio URL.

Table A-64 TwoWayAudioUrlInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|---|
| url | Req. | String | Streaming URL, which consists of up to 128 characters. |
| authentication | Opt. | String | The authentication information for getting stream, which contains user name, password, and token information. And this field can contain up to 1024 characters. |

A.1.65 VehicleGroupInfo

The table here shows the vehicle group information.

Table A-65 VehicleGroupInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------------|--------------|-----------|--|
| vehicleGroupIndexCode | Opt. | String | Vehicle group ID, which consists of up to 64 characters. |
| vehicleGroupName | Opt. | String | Vehicle group name, which consists of up to 32 characters. |
| description | Opt. | String | Description, which consists of up to 128 characters. |

A.1.66 VehicleInfo

The table here shows the information of a vehicle.

Table A-66 VehicleInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------|--------------|-----------|---|
| vehicleId | Opt. | String | Vehicle ID, which consists of up to 64 characters. |
| plateNo | Opt. | String | License plate number of the vehicle, which consists of up to 32 characters. |
| personName | Opt. | String | Vehicle owner name, which consists of up to 512 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------------|--------------|-----------|--|
| personFamilyName | Opt. | String | Family name of the vehicle owner, which consists of 256 characters. |
| personGivenName | Opt. | String | Given name of the vehicle owner, which consists of 256 characters. |
| phoneNo | Opt. | String | Contact number of vehicle owner, which consists of up to 32 characters. |
| vehicleColor | Opt. | Number | Vehicle colors, i.e., 0-other color, 1-white, 2-silver, 3-grey, 4-black, 5-red, 6-dark blue, 7-blue, 8-yellow, 9-green, 10-brown, 11-pink, 12-purple, 13-dark blue, 14-cyan. |
| vehicleGroupIndexcode | Opt. | String | Vehicle group ID, which consists of up to 64 characters. |

A.1.67 Version

The table here shows the product version information.

Table A-67 Version Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------|--------------|-----------|---|
| produceName | Req. | String | Product name, which consists of up to 64 characters. |
| softVersion | Req. | String | Software version No. of the product, which consists of up to 64 characters. |

A.1.68 VideoInfo

This table shows the information of a video segment for playback.

Table A-68 VideoInfo Object Description

| Parameter | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------|---|
| beginTime | Req. | String | Start time of video segment, which is in ISO 8601 standard time format: yyyy-MM-dd'T'HH:mm:ss.SSSzzz, e.g., |

| Parameter | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|--|
| | | | 2018-07-26T15:00:00 + 08:00. And the time consists of up to 64 characters. |
| endTime | Req. | String | End time of video segment, which is in ISO 8601 standard time format: yyyy-MM-dd'T'HH:mm:ss.SSSzzz, e.g., 2018-07-26T15:00:00 + 08:00. And the time consists of up to 64 characters. |
| size | Req. | Number | Video segment size, unit: byte. And this field can contain up to 64 characters. |
| url | Opt. | String | Streaming URL, which consists of up to 128 characters. |
| authentication | Opt. | String | Authentication information, which can contain up to 1024 characters. |

A.1.69 Visitor

The table here shows the visitor information.

Table A-69 Visitor Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------|--------------|------------------------|---|
| ID | Opt. | Number | Visitor ID, the maximum length is 32 characters. |
| BaseInfo | Opt. | <u><i>BaseInfo</i></u> | Visitor's basic information, the maximum length is 32 characters. |

A.1.70 VisitorappointInfo

The table here shows the information of a reservation record.

Table A-70 VisitorappointInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------------|--------------|-----------|---|
| receptionistId | Opt. | String | ID of the person to be visited, which consists of up to 64 characters. |
| appointStartTime | Req. | String | Expected time of arrival in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. |
| appointEndTime | Req. | String | Expected time of leaving in ISO 8601 format, which is represented by "yyyy-MM-ddTHH:mm:ss+current time zone", e.g., "2018-07-26T15:00:00 + 08:00". The maximum length is 64 characters. If the visitor has checked out, all permissions assigned to the visitor will be unassigned. |
| visitReasonType | Req. | Number | Visiting purpose type: 0-business, 1-training, 2-visit, 3-meeting, 4-others. |
| visitReasonDetail | Opt. | String | Visiting purpose, this parameters is required when the value of visitReasonType is 4. The maximum length is 128 characters. |
| receptionistName | Opt. | String | Name of the person to be visited. The maximum length is 128 characters. |
| receptionistFullPath | Opt. | String | Organization path of the person to be visited. The maximum length is 128 characters. |
| appointStatus | Opt. | String | Reservation status: 0-reservation record has been added; 1-reservation record has been invalid; 2-visitor has arrived. The maximum length is 64 characters. |
| appointID | Opt. | String | Reservation record ID. The maximum length is 64 characters. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|-----------------------|--------------|-----------|---|
| appointCode | Opt. | String | Reservation code. The maximum length is 64 characters. |
| visitorInfo | Opt. | Array | List of visitor's information. |
| visitorInfo[0] | Opt. | Object | A visitor information. See details in <i>VisitorInfo</i> . |

A.1.71 VisitorInfo

The table here shows visitor information.

Table A-71 VisitorInfo Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------------|--------------|-----------|---|
| visitorId | Opt. | String | Visitor ID, which consists of up to 64 characters. |
| visitorFamilyName | Req. | String | Visitor's family name, which consists of up to 256 characters, but cannot contain special characters like ' / \ : * ? " < > |
| visitorGivenName | Req. | String | Visitor's given name, which consists of up to 256 characters, but cannot contain special characters like ' / \ : * ? " < > |
| gender | Req. | Number | Gender: 1-male, 2-female. |
| email | Opt. | String | Email address. |
| phoneNo | Opt. | String | Phone number, which consists of up to 20 characters. |
| plateNo | Opt. | String | License plate number, which consists of up to 16 characters, but cannot contain special characters like ' / \ : * ? " < > |
| companyName | Opt. | String | Name of the company that the visitor is from, which cannot contain special characters like ' / \ : * ? " < > |

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|----------------------------|---|
| certificateType | Opt. | Number | Certificate type: 111-ID card, 414-passport, 335-driver's license. |
| certificateNo | Opt. | String | Certificate number, which consists of up to 20 characters. Certificate type is required when certificate number exists. |
| remark | Opt. | String | Remark, which consists of up to 128 characters. |
| faces | Opt. | Array | List of face information. |
| faces[0] | Opt. | Object | Specific face information (Base64 picture data for adding face information and picture URL for getting face information). |
| fingerPrint | Opt. | Array | List of finger print information. |
| fingerPrint[0] | Opt. | <u>FingerPrint</u> | Specific finger print information. |
| cards | Opt. | Array | List of card No. |
| cards[0] | Opt. | <u>Card</u> | Specific card No. |
| identiPhoto | Opt. | Array | List of visitor's ID photo. |
| identiPhoto[0] | Opt. | String | Specific visitor's ID photo (Base64 picture data for adding photo and picture URL for getting photo). |
| VisitorPhoto | Opt. | Array | List of visitor's profile photo. |
| VisitorPhoto[0] | Opt. | <u>VisitorPhoto</u> | Specific visitor's profile photo. |
| customField | Opt. | Array | List of visitor custom information. |
| customField[0] | Opt. | <u>CustomField</u> | Visitor custom information. |

A.1.72 VisitorPhoto

The table here shows visitor's photo information.

Table A-72 VisitorPhoto Object Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------|--------------|-----------|---|
| haveVisitorPhoto | Opt. | String | Whether visitor's profile photo exists. |
| haveIdentiPhoto | Opt. | String | Whether visitor's ID photo exists. |

A.2 Event Message Format

The event message is in JSON format, and the encoding format is UTF-8.

| Parameter Name | Required/ Optional | Data Type | Description |
|----------------|--------------------|-------------------|---|
| method | Required | String | Method name for indicating the message use. Here, it always be "OnEventNotify". |
| params | Required | Table 6-73 | Event parameters. |

Table A-73 Params

| Parameter Name | Required/ Optional | Data Type | Description |
|----------------|--------------------|-------------------|--|
| sendTime | Required | String | Event sending time after processing by program, which is in ISO 8601 standard time format: YYYY-mm-dd hh:MM:ss + zone, e.g., 2018-08-15T 15:53:47.000+08:00. |
| ability | Required | String | Event category, such as video event (event_vss), access control event (event_acs), ANPR event (event_veh), and so on. |
| events | Required | Table 6-74 | Event information. |

Table A-74 Events

| Parameter Name | Required/Optional | Data Type | Description |
|----------------|-------------------|-----------|---|
| eventId | Required | String | Event ID (UUID), if the same event occurred for multiple times, the IDs are same. Its maximum size is 64 bytes. |
| srcIndex | Required | String | Event source ID. For physical devices, it is the resource No. Its maximum size is 64 bytes. |
| srcType | Required | String | Event source type code, or resource type code. |
| srcName | Optional | String | Event source name, which is customized by application. The name is in UTF-8 encoding format. |
| eventType | Required | Number | Event types, refer to <i>Event Types or Alarm Categories</i> for details. |
| status | Required | Number | Event status: 0-occurred, 1-started, 2-ended, 3-event pulse, 4-event linkage updated, 5-event picture uploaded. |
| eventLvl | Optional | Number | Event level: 0-unconfigured (default), 1-low, 2-medium, 3-high. |
| timeout | Required | Number | Heartbeat timeout. Currently, this field is reserved. |
| happenTime | Required | String | Event occurred time (local time), which is in ISO 8601 standard time format, e.g., 2018-08-15T15:53:47.000+08:00. |
| srcParentIdex | Optional | String | Parent device No. of event source. If there is no parent device, set it to "null". Its maximum size is 64 bytes. |
| data | Optional | JSON | Event extension information. Its maximum size is 512 bytes. Refer to <i>ANPR Event Message</i> , <i>License Plate Matched or Mismatched Event Message</i> , <i>Access Control Event Message</i> , and <i>Face Comparison Event Message</i> for details. |

Example

Event Message Example

```
{
  "method": "OnEventNotify",
```

```

"params":{
  "sendTime": "2017-07-01T15:34:01.000+08:00",
  "ability": "event_vss",
  "events": [{
    "eventId": "c929d9f873eb48439bd2c59df358bbeb",
    "srcIndex": "21000000001130001013",
    "srcType": "camera",
    "srcName": "optional_src_name",
    "eventType": "130001",
    "status": "1",
    "timeout": "30",
    "happenTime": "2017-07-01T15:34:01.000+08:00",
    "srcParentIndex": "optional-parent",
    "data": {"extral event data info": ""}
  ]
}
}

```

A.2.1 Access Control Event Message

The table here shows the parameter fields of access control event message.

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------------|--------------|-----------|--|
| personId | Req. | String | Person ID. |
| personCode | Opt. | String | Person No. |
| cardNo | Req. | String | Card No. |
| checkInAndOutType | Req. | Number | Attendance type, -1: unknown, 1: check-in, 2: check-out, 3: break-out, 4: break-in, 5: overtime-in, 6: overtime-out. |
| picUri | Opt. | String | Picture URL. |
| temperatureData | Opt. | Float | Temperature value. |
| temperatureStatus | Opt. | Number | Temperature status: 0-unknown, 1-normal, 2-abnormal. |
| wearMaskStatus | Opt. | Number | Wearing mask or not: 0-unknown, 1-yes, 2-no. |
| readerIndexCode | Opt. | String | Card reader ID. |
| readerName | Opt. | String | Card reader name. |

Example

Message Example of Access Control Event

```
{
  "personId": "",
  "cardNo": "",
  "checkInAndOutType": ,
  "picUri": "",
  "temperatureData": ,
  "temperatureStatus": ,
  "wearMaskStatus": ,
  "readerIndexCode": ,
  "readerName":
}
```

A.2.2 ANPR Event Message

The table here shows the fields of ANPR event message.

Table A-75 Message Field Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|-----------------------|
| plateNo | Req. | String | License plate number. |

Example

Message Example of ANPR Event

```
{
  "plateNo":""
}
```

A.2.3 License Plate Matched or Mismatched Event Message

The table here shows the fields of license plate matched or mismatched event message.

Table A-76 Message Field Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------------|--------------|-----------|-----------------------|
| plateNo | Req. | String | License plate number. |
| vehicleGroupIndexCode | Req. | String | Vehicle group ID. |

Example

Message Example of License Plate Matched or Mismatched Event

```
{
  "plateNo":""
}
```



```
"vehicleGroupIndexCode": ""
}
```

A.2.4 Face Comparison Event Message

The table here shows the parameter fields of face comparison event message.

Table A-77 Message Field Description

| Parameter Name | Req. or Opt. | Data Type | Description |
|--------------------------|--------------|-----------|--|
| alarmResult | Req. | Object | Face picture comparison results. |
| faces | Req. | Array | Face information list. |
| faces[0] | Req. | Object | Information of a face in the list. |
| URL | Req. | String | Captured face picture URL. |
| snap_pic_data | Opt. | String | Captured face picture data, which is encoded by Base64. |
| age | Opt. | Object | Age information. |
| ageGroup | Opt. | String | Age group: "UNKNOWN", "CHILD", "YOUNG", "MIDDLE", "OLD", "INFANT", "KID", "TEENAGER", "PRIME", "MIDDLEAGED". |
| faceRect | Opt. | Array | Coordinates information list of a face frame. |
| faceRect[0] | Opt. | Object | Coordinates information of a face frame in the list. |
| height | Opt. | Number | Height. |
| width | Opt. | Number | Width. |
| x | Opt. | Number | X-coordinate. |
| y | Opt. | Number | Y-coordinate. |
| temperature | Opt. | Object | Temperature information. |
| temperatureData | Opt. | Float | Temperature value. |
| temperatureStatus | Opt. | Number | Temperature status: 0-unknown, 1-normal, 2-abnormal. |
| mask | Opt. | Object | Wearing mask information. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|------------------------|--------------|-----------|--|
| wearMaskStatus | Opt. | Number | Wearing mask or not: 0-unknown, 1-yes, 2-no. |
| gender | Opt. | Object | Gender information. |
| value | Opt. | String | Gender: "0" (unknown), "1" (male), "2" (female). |
| identify | Opt. | Object | Identification information. |
| candidate | Req. | Object | Matched face information. |
| blacklist_id | Req. | String | Face comparison group ID of the matched face. |
| human_data | Req. | Object | Person data. |
| face_picurl | Req. | String | Picture URL of the matched face. |
| face_pic_data | Opt. | String | Picture data of the matched face, which is encoded by Base64. |
| human_id | Req. | String | Person ID of the matched face. |
| reserve_field | Opt. | Object | Reserved field. |
| name | Opt. | String | Person name of the face. |
| similarity | Req. | Number | Similarity between the matched face and captured face. |
| targetAttrs | Req. | Object | Target attributes. |
| cameraIndexCode | Req. | String | Camera ID of the captured picture. |
| faceTime | Req. | String | Captured time. |
| dataType | Req. | String | Event types, for face picture comparison event, the value of this field is " faceMatch ". |

Example

Message Example of Face Comparison Event

```
{
  "alarmResult":{
    "faces":{
      "URL": "",
      "snap_pic_data": "",
      "age":{
        "ageGroup":"CHILD"
      }
    }
  },
}
```

```

"faceRect":[{
  "height": ,
  "width": ,
  "x": ,
  "y":
}],
"temperature":{
  "temperatureData": ,
  "temperatureStatus":
},
"mask":{
  "wearMaskStatus":
},
"gender":{
  "value":"1",
},
"identify":{
  "candidate":{
    "blacklist_id": "",
    "human_data":{
      "face_picurl": "",
      "face_pic_data": ""
    },
    "human_id": "",
    "reserve_field":{
      "name": ""
    },
    "similarity":
  }
}
}],
"targetAttrs":{
  "cameraIndexCode": "",
  "faceTime": ""
}
}
dataType:""
}

```

A.2.5 Mobile Event Message

The table here shows the parameter fields of mobile event message.

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------|--------------|-----------|----------------------------------|
| gps | Req. | Object | GPS information. |
| vehicle | Req. | Object | Vehicle information. |
| urlList | Opt. | urlList[] | URL of pictures or short videos. |

Table A-78 gps field description

| Parameter Name | Req. or Opt. | Data Type | Description |
|----------------------|--------------|-----------|--|
| occurTime | Req. | String | GPS report time, in ISO 8601 standard time format: yyyy-MM-ddTHH:mm:ss+current zone, e.g., 2018-07-26T15:00:00+08:00. |
| longitude | Req. | String | Longitude. |
| latitude | Req. | String | Latitude. |
| direction | Req. | Number | Vehicle direction (unit: degree; calculated clockwise from due north (0)). The maximum length is 16 characters. |
| speed | Req. | Number | Speed (consistent with the HCP platform: km/h by default). The maximum length is 16 characters. |
| speedUnit | Req. | Number | Speed unit: 0-km/h, 1-Mph. |
| displayInfo | Req. | String | Displayed GPS information. |
| directionInfo | Req. | String | Displayed direction ("North", "Northeast", "East", "Southeast", "South", "Southwest", "West", "Northwest"). The maximum length is 16 characters. |

Table A-79 vehicle field description

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------|--------------|-----------|---|
| plateNo | Req. | String | License plate number of the vehicle, which consists of up to 32 characters. |
| ownerName | Req. | String | Vehicle owner name, which is the specific field of the event message. |
| phoneNo | Req. | String | Vehicle owner's contact number. |
| vehicleBrand | Req. | Number | Vehicle brand. |

| Parameter Name | Req. or Opt. | Data Type | Description |
|---------------------|--------------|-----------|---|
| vehicleColor | Req. | Number | Vehicle color. |
| vehicleType | Req. | String | Vehicle type: 0-others, 1-small-sized vehicle, 2-large-sized vehicle, 3-motorcycle. |

Table A-80 urlList field description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------|--------------|-----------|--|
| format | Req. | String | Format: 0-URL format, 1-binary format. |
| url | Req. | String | URL of pictures or short videos, which is the specific field of the event message. |
| expandInfo | Opt. | String | Extension information. |

Table A-81 expandInfo field description

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------|--------------|-----------|---|
| suffixName | Req. | String | File extension, e.g., "jpeg". |
| mediaType | Req. | String | Media type: VideoClip- video files, Image-pictures (default). |

A.2.6 Healthcare Event Message

The table here shows the parameter fields of healthcare event message.

| Parameter Name | Req. or Opt. | Data Type | Description |
|-------------------|--------------|-----------|----------------|
| RoomNo | Opt. | String | Room No. |
| BedNo | Opt. | String | Bed No. |
| PersonName | Opt. | String | Person's name. |

A.3 Data Dictionary

Resource Types / Resource Permission Code

| Resource Code | Resource Name | Permission Control Code | Permission Control Name |
|------------------|---------------------|-------------------------|----------------------------|
| region | Area. | view | View. |
| acsDevice | Access controller. | view | View. |
| | | eventRecv | Receive events. |
| door | Access point. | view | View. |
| | | eventRecv | Receive events. |
| | | doorControl | Open/Close door. |
| | | normalControl | Remain open/closed door. |
| encodeDevice | Encoding device. | view | View. |
| | | eventRecv | Receive events. |
| | | intercom | Device intercom. |
| camera | Camera. | view | View. |
| | | preview | Preview. |
| | | ptzControl | PTZ control. |
| | | audioRecv | Receive audio. |
| | | playback | Playback recording. |
| | | eventRecv | Receive events. |
| | | osdConfig | OSD overlay configuration. |
| | | picQuery | Search picture. |
| | | eventRecv | Receive events. |
| | | histryWay | Playback pattern. |
| ioIn | Alarm input. | view | View. |
| | | eventRecv | Receive events. |
| ioOut | Alarm output. | view | View. |
| | | ioOutControl | Output Control. |
| generalEventRule | General event rule. | view | View. |

Access Protocol of Device

| Access Protocol Code | Access Protocol Name |
|----------------------|--|
| hiksdk_net | Hikvision Private Protocol |
| ehome_reg | Hikvision Intelligent Security Uplink Protocol |
| onvif_net | ONVIF Protocol |

Gender Type

| Gender Type | Type Description |
|-------------|------------------|
| 0 | Unknown. |
| 1 | Male. |
| 2 | Female. |

Vehicle Color

| Color Type | Type Description |
|------------|------------------|
| 0 | Other color. |
| 1 | White. |
| 2 | Silver. |
| 3 | Gray. |
| 4 | Black. |
| 5 | Red. |
| 6 | Dark Blue. |
| 7 | Blue. |
| 8 | Yellow. |
| 9 | Green. |
| 10 | Brown. |
| 11 | Pink. |
| 12 | Purple. |

| Color Type | Type Description |
|------------|------------------|
| 13 | Dark Gray. |
| 14 | Cyan. |

Video Type

| Enumeration Field | Data Type | Enumeration Type | Enumeration Value | Enumeration Value Description |
|-------------------|-----------|-----------------------|-------------------|--|
| streamType | Number | Stream Type | 0 | Main Stream. |
| | | | 1 | Sub Stream. |
| protocol | String | Stream Protocol | rtsp | RTSP protocol. |
| | | | rtmp | RTMP protocol. |
| | | | hls | HLS protocol. |
| | | | websocket | Websocket protocol streaming (added in HikCentral and applied in jsdecoder). |
| transmode | Number | Transmission Protocol | 0 | UDP. |
| | | | 1 | TCP. |
| recordLocation | String | Storage Type | 0 | Center Storage. |
| | | | 1 | Device Storage. |
| action | Number | PTZ Control | 0 | Start. |
| | | | 1 | Stop. |
| command | String | Control Command | LEFT | Turn left. |
| | | | RIGHT | Turn right. |
| | | | UP | Turn up. |
| | | | DOWN | Turn down. |
| | | | ZOOM_IN | Zoom in. |

| Enumeration Field | Data Type | Enumeration Type | Enumeration Value | Enumeration Value Description |
|-------------------|-----------|------------------|-------------------|-------------------------------|
| | | | ZOOM_OUT | Zoom out. |
| | | | LEFT_UP | Turn upper left. |
| | | | LEFT_DOWN | Turn lower left. |
| | | | RIGHT_UP | Turn upper right. |
| | | | RIGHT_DOWN | Turn lower right. |
| | | | FOCUS_NEAR | Focus+. |
| | | | FOCUS_FAR | Focus-. |
| | | | IRIS_ENLARGE | Iris+. |
| | | | IRIS_REDUCE | Iris-. |
| | | | GOTO_PRESET | Go to preset. |

Capability Set

| Capability Set ID | Capability Set Name |
|-------------------|--|
| vss | Video capability. |
| event_veh | Vehicle capture capability. |
| gis | FoV capability. |
| event_heat | Thermal imaging capability. |
| event_pdc | People counting statistics capability. |
| ptz | PTZ capability. |

Recording Storage Location

| Recording Storage Type Code | Recording Storage Type |
|-----------------------------|-------------------------|
| 0 | Center storage. |
| 1 | Device Storage. |
| 2 | Center cluster storage. |

Transmission Protocol

| Transmission Protocol Code | Transmission Protocol Name |
|----------------------------|----------------------------|
| 0 | UDP |
| 1 | TCP |

Recording Type

| Recording Type Code | |
|---------------------|---------------|
| 0 | Main storage. |
| 1 | Main storage. |

Age Group

| Age Group Code | Age Group Name | Remarks |
|----------------|--------------------|---------|
| UNKNOWN | Unknown. | 0 |
| CHILD | Teenager. | 3 |
| YOUNG | Youth. | 5 |
| MIDDLE | Middle age. | 7 |
| OLD | Elderly. | 9 |
| INFANT | Infant. | 1 |
| KID | Child. | 2 |
| TEENAGER | Early youth. | 4 |
| PRIME | Prime. | 6 |
| MIDDLEAGED | Middle to old age. | 8 |

A.4 Event Types or Alarm Categories

Camera Alarms

| Alarm Category | Category Code | Resource Type |
|--------------------------|---------------|---------------|
| Vehicle Matched Alarm | 130 | camera |
| Vehicle Mismatched Alarm | 131 | camera |
| Abnormal Temperature | 193 | camera |
| Not Wearing Mask | 194 | camera |
| Face Capture Alarm | 49697 | camera |
| Weaving out of the Lane | 103008 | camera |
| Video Loss Alarm | 131329 | camera |
| Video Tampering Alarm | 131330 | camera |
| Motion Detection Alarm | 131331 | camera |
| Line Crossing Alarm | 131585 | camera |
| Region Entrance Alarm | 131586 | camera |
| Region Exiting Alarm | 131587 | camera |
| Intrusion Alarm | 131588 | camera |
| Loitering Alarm | 131590 | camera |
| Parking Alarm | 131591 | camera |
| Fast Moving Alarm | 131592 | camera |
| People Gathering Alarm | 131593 | camera |
| Unattended Baggage Alarm | 131594 | camera |
| Object Removal Alarm | 131595 | camera |
| Violent Motion Detection | 131596 | camera |
| Climbing Detection | 131597 | camera |
| Getting Up Detection | 131598 | camera |
| Operation Timeout | 131600 | camera |
| Stick Up Detection | 131601 | camera |
| Install Card Reader | 131602 | camera |
| Off Work Detection | 131603 | camera |
| Tailing | 131604 | camera |

| Alarm Category | Category Code | Resource Type |
|---------------------------------|---------------|---------------|
| Falling Down | 131605 | camera |
| In-Toilet Overtime Detection | 131608 | camera |
| Playground Overstay Detection | 131609 | camera |
| Key Person Getting Up Detection | 131610 | camera |
| Scene Change Detection Alarm | 131612 | camera |
| Defocus Detection Alarm | 131613 | camera |
| Audio Exception Detection Alarm | 131623 | camera |
| Number of People Exception | 131664 | camera |
| Standing Up Detection | 131666 | camera |
| Sitting Detection | 131667 | camera |
| Staying Overtime | 131669 | camera |
| People Density Analysis | 131672 | camera |
| Play Cellphone Detection | 131673 | camera |
| Violent Motion | 131677 | camera |
| Physical Conflict (Indoor) | 131678 | camera |
| Wrong-Way Driving | 131679 | camera |
| Police Absence Detection | 131682 | camera |
| People Density | 131702 | camera |
| Abnormal Face | 131704 | camera |
| Sleep on Duty Detection | 131717 | camera |
| Speeding | 131841 | camera |
| Phone Call | 132374 | camera |
| Waiting Time Detection Alarm | 133121 | camera |
| People Queue-up Alarm | 133122 | camera |
| Face Detection Alarm | 1482753 | camera |
| Fire Detection Alarm | 192515 | camera |
| Temperature Alarm | 192517 | camera |
| Temperature Difference Alarm | 192518 | camera |

| Alarm Category | Category Code | Resource Type |
|--|---------------|---------------|
| Reverse Entering Alarm | 200497 | camera |
| Illegal Lane Change | 225309 | camera |
| Illegal Parking | 254101 | camera |
| PIR | 364545 | camera |
| Camera Recording Exception Alarm | 385052 | camera |
| Camera Recording Recovered Alarm | 385053 | camera |
| Hard Hat Detection | 1417219 | camera |
| Multi-Target-Type Detection | 1421313 | camera |
| Sudden Change of Sound Intensity Detection | 1441795 | camera |

Alarm Input Alarms

| Alarm Category | Category Code | Resource Type |
|-------------------|---------------|---------------|
| Alarm Input Alarm | 589825 | ioIn |

Encoding Device Alarms

| Alarm Category | Category Code | Resource Type |
|--|---------------|---------------|
| Device Offline Alarm | 66306 | encodeDevice |
| HDD Full Alarm | 66050 | encodeDevice |
| HDD Reading and Writing Error Alarm | 66054 | encodeDevice |
| Camera and Video Resolution Mismatched Alarm | 66066 | encodeDevice |
| RAID Exception Alarm | 66055 | encodeDevice |
| Illegal Login Alarm | 66053 | encodeDevice |
| Device Reconnected Alarm | 66311 | encodeDevice |
| Encoding Device Recording Exception Alarm | 385050 | encodeDevice |
| Encoding Device Recording Recovered Alarm | 385051 | encodeDevice |
| HDD Bad Sector Alarm | 225404 | encodeDevice |
| HDD High Temperature Alarm | 225405 | encodeDevice |

| Alarm Category | Category Code | Resource Type |
|---------------------------------|---------------|---------------|
| HDD Impact Detection Alarm | 225406 | encodeDevice |
| HDD Severe Failure Alarm | 225407 | encodeDevice |
| Video Standard Mismatches Alarm | 66065 | encodeDevice |

Door Alarms

| Alarm Category | Category Code | Resource Type |
|--------------------------------|---------------|---------------|
| Remaining Closed Started Alarm | 198148 | door |
| Remaining Closed Ended Alarm | 198150 | door |
| Open Door Timeout Alarm | 198400 | door |
| Remaining Open Started Alarm | 198401 | door |
| Remaining Open Ended Alarm | 198402 | door |
| Door Open by Force Alarm | 198657 | door |
| Abnormally Open Door Alarm | 198658 | door |
| Door Open Alarm | 198913 | door |
| Remote: Door Open Alarm | 198919 | door |
| Remote: Remain Open Alarm | 198922 | door |
| Door Closed Alarm | 199169 | door |
| Remote: Door Closed Alarm | 199171 | door |
| Remote: Remain Closed Alarm | 199172 | door |
| Card Reader Tampering Alarm | 199608 | door |
| Unlocked Alarm | 199941 | door |
| Locked Alarm | 199942 | door |

Access Control Device Alarms

| Alarm Category | Category Code | Resource Type |
|---------------------------------------|---------------|---------------|
| Device Tampering Alarm | 199708 | acsDevice |
| Device Tampering Alarm Restored Alarm | 199709 | acsDevice |

Mobile Device Alarms

| Alarm Category | Category Code | Resource Type |
|--|---------------|---------------|
| Vehicle Resource Linked to Mobile Devices Online | 641 | mobileDevice |
| Vehicle Resources Linked to Mobile Devices Offline | 642 | mobileDevice |

Person Alarm

| Alarm Category | Category Code | Resource Type |
|----------------------------|---------------|---------------|
| Abnormal Temperature Alarm | 193 | camera/door |
| No Mask Alarm | 194 | camera/door |

General Event Alarms

| Event Type | Event Type Code | Resource Type |
|---------------|-----------------|------------------|
| Generic Event | 195 | generalEventRule |

Card Swiping Events

| Event Type | Event Type Code | Resource Type |
|---|-----------------|---------------|
| Multi-Factor Authentication: Granted | 196883 | door |
| Multi-Factor Authentication: Access Granted by Super Password | 196884 | door |
| Access Granted by Card and Fingerprint | 196885 | door |
| Access Granted by Card, Fingerprint, and PIN | 196886 | door |
| Access Granted by Fingerprint and PIN | 196887 | door |
| Access Granted by Face and Fingerprint | 196888 | door |
| Access Granted by Face and PIN | 196889 | door |
| Access Granted by Face and Card | 196890 | door |
| Access Granted by Face, PIN, and Fingerprint | 196891 | door |

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| Event Type | Event Type Code | Resource Type |
|--|-----------------|---------------|
| Access Granted by Face, Card, and Fingerprint | 196892 | door |
| Access Granted by Face | 196893 | door |
| Authentication Passed via Employee ID + Fingerprint | 196894 | door |
| Authentication Passed via Employee ID + Fingerprint + Password | 196895 | door |
| Authentication Passed via Employee ID + Face Picture | 196896 | door |
| Access Granted by Employee ID and PIN | 196897 | door |
| Access Denied via Invalid MIFARE Card | 196898 | door |
| Access Denied by Encrypted CPU Card | 196899 | door |
| Access Denied (NFC Card Reading Disabled) | 196900 | door |
| EM Card Reading Disabled | 196901 | door |
| M1 Card Reading Disabled | 196902 | door |
| CPU Card Reading Disabled | 196903 | door |
| Skin-Surface Temperature Measured | 197107 | door |
| Access Timed Out by Card and Password | 197132 | door |
| Max. Card and Password Authentication Times | 197133 | door |
| Authentication Failed via Card + Fingerprint | 197134 | door |
| Access Timed Out by Card and Fingerprint | 197135 | door |
| Authentication Failed via Fingerprint + Password | 197138 | door |
| Access Timed Out by Fingerprint and Password | 197139 | door |
| Authentication Failed via Employee ID + Fingerprint | 197152 | door |

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| Event Type | Event Type Code | Resource Type |
|--|-----------------|---------------|
| Access Timed Out by Employee ID and Fingerprint | 197153 | door |
| Authentication Failed via Employee ID + Fingerprint + Password | 197154 | door |
| Access Timed Out by Employee ID + Fingerprint + Password | 197155 | door |
| Authentication Failed via Employee ID + Face Picture | 197156 | door |
| Access Timed Out by Employee ID and Face | 197157 | door |
| Access Timed Out by Employee ID and Password | 197159 | door |
| Invalid Duration | 197384 | door |
| Multi-Door Interlocking | 198146 | door |
| Access Granted by Fingerprint | 197127 | door |
| Access Denied by Fingerprint | 197128 | door |
| Access Denied by Card, Fingerprint, and PIN | 197136 | door |
| Access Timed Out by Card, Fingerprint, and PIN | 197137 | door |
| Fingerprint Not Found | 197140 | door |
| Access Denied by Face and Fingerprint | 197141 | door |
| Access Timed Out by Face and Fingerprint | 197142 | door |
| Access Denied by Face and PIN | 197143 | door |
| Access Timed Out by Face and PIN | 197144 | door |
| Access Denied by Face and Card | 197145 | door |
| Access Timed Out by Face and Card | 197146 | door |
| Access Denied by Face, PIN, and Fingerprint | 197147 | door |
| Access Timed Out by Face, PIN, and Fingerprint | 197148 | door |

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| Event Type | Event Type Code | Resource Type |
|---|-----------------|---------------|
| Access Denied by Face, Card, and Fingerprint | 197149 | door |
| Access Timed Out by Face, Card, and Fingerprint | 197150 | door |
| Access Denied by Face | 197151 | door |
| Access Denied by Employee ID and PIN | 197158 | door |
| Face Recognition Failed | 197160 | door |
| Live Face Detection Failed. | 197161 | door |
| Access Denied by Card and PIN | 197382 | door |
| Anti-Passback Violation | 197383 | door |
| Card Not in Multi-Factor Authentication Group | 197391 | door |
| Card Not in Multi-Factor Authentication Duration | 197392 | door |
| Card Number Expired | 197633 | door |
| No Card Number Found | 197634 | door |
| No Access Level Assigned | 197635 | door |
| Access Granted by Card | 198914 | door |
| Access Granted by Card and PIN | 198915 | door |
| Invalid Authentication Attempts via Card No. Exceeded Limit | 199429 | door |
| Access Denied (First Person Not Authorized) | 200477 | door |
| Access Denied: Door Remained Locked or Inactive) | 200513 | door |
| Access Denied: Scheduled Sleep Mode | 200514 | door |
| Employee No. Not Existed | 200515 | door |
| Access Granted via Combined Authentication Modes | 200516 | door |
| Combined Authentication Timed Out | 200517 | door |

| Event Type | Event Type Code | Resource Type |
|---------------------------------------|-----------------|---------------|
| Authentication Method Mismatch | 200518 | door |
| Password Mismatch | 200519 | door |
| Verifying Card Encryption Failed | 261952 | door |
| Password Authenticated | 263433 | door |
| Duress Alarm | 721678 | door |
| Unlock by Multi Password Failed Alarm | 983304 | door |

ANPR Events

| Event Type | Event Type Code | Resource Type |
|-------------------------------------|-----------------|---------------|
| License Plate Information Uploading | 131622 | camera |

Facial Events

| Event Type | Event Type Code | Resource Type |
|-------------------------|-----------------|---------------|
| Face Picture Comparison | 131659 | camera |

Events of Vehicles Linked to Mobile Devices

| Event Type | Event Type Code | Resource Type |
|-------------------------------------|-----------------|---------------|
| GPS Data Report | 643 | mobileVehicle |
| Front Vehicle Collision Warning | 644 | mobileVehicle |
| Short Vehicle Distance Warning | 645 | mobileVehicle |
| Lane Deviation Warning | 646 | mobileVehicle |
| Pedestrian Collision Warning | 647 | mobileVehicle |
| Overspeed Warning | 648 | mobileVehicle |
| Blind Spot Detection Warning | 649 | mobileVehicle |
| Driver Behavior Event: Smoking | 650 | mobileVehicle |
| Driver Behavior Event: On the Phone | 651 | mobileVehicle |

| Event Type | Event Type Code | Resource Type |
|--|-----------------|---------------|
| Driver Behavior Event: Fatigue Driving | 652 | mobileVehicle |
| Driver Behavior Event: Distracted Driving | 653 | mobileVehicle |
| Driver Behavior Event: Not Buckled Up | 654 | mobileVehicle |
| Driver Behavior Event: Video Tampering | 655 | mobileVehicle |
| Panic Button Alarm | 656 | mobileVehicle |
| Vehicle Event Detection: Sharp Turn | 657 | mobileVehicle |
| Vehicle Event Detection: Sudden Brake | 658 | mobileVehicle |
| Vehicle Event Detection: Sudden Acceleration | 659 | mobileVehicle |
| Vehicle Event Detection: Rollover | 660 | mobileVehicle |
| Vehicle Event Detection: Overspeed | 661 | mobileVehicle |
| Vehicle Event Detection: Collision | 662 | mobileVehicle |
| Mobile Module Event: Enter Fence | 663 | mobileVehicle |
| Mobile Module Event: Deviation | 664 | mobileVehicle |
| Mobile Module Event: Exit Fence | 665 | mobileVehicle |

Healthcare Events

| Event Type | Event Type Code | Resource Type |
|-------------------------|-----------------|---------------|
| Fall Detection Event | 500041 | fallRadar |
| Restroom Overstay Event | 500042 | fallRadar |

| Event Type | Event Type Code | Resource Type |
|--------------------|-----------------|------------------|
| Intrusion Event | 500043 | camera |
| Noise Event | 500044 | camera |
| Out-of-Room Event | 500045 | camera |
| SOS Event | 500046 | alarminput |
| In Bed Event | 500048 | livefeatureRadar |
| Getting Up Event | 500049 | livefeatureRadar |
| Rolling Over Event | 500050 | livefeatureRadar |
| Out-of-Bed Event | 500051 | livefeatureRadar |
| Device Offline | 500016 | livefeatureRadar |

A.5 Status or Error Code

API Gateway Status or Error

| Status or Error Code | Description |
|----------------------|---|
| 0x02401000 | No AppKey is configured. Enter the correct AppKey in the request. |
| 0x02401001 | The partner of AppKey does not exist. Check the AppKey in the request. |
| 0x02401002 | No signature is configured. Enter the correct signature in the request. |
| 0x02401003 | Invalid signature. Check the signature in the request. |
| 0x02401004 | Token authentication failed. Check the token. |
| 0x02401005 | No token is configured. Enter the token. |
| 0x02401006 | Token exception. Check the token. |
| 0x02401007 | No permission. Please contact the administrator to apply for permissions. |
| 0x02401008 | Authentication exception. Check the gateway service. |
| 0x02401009 | Maximum API calling attempts reached. Please contact the administrator to apply for adding access attempts. |

| Status or Error Code | Description |
|----------------------|---|
| 0x0240100a | Parameter conversion exception. Check the API parameters. |
| 0x0240100b | Calling statistics exception. Check the gateway. |

Parameter Status or Error

| Status or Error Code | Description |
|----------------------|---|
| 0x00072001 | The required parameters are not configured. Set the required parameters in the request. |
| 0x00072002 | Invalid parameter value range. |
| 0x00072003 | Invalid parameter value format. |
| 0x00072004 | The response message is too long. Set the page size in the request. |

Internal Service Status or Error

| Status or Error Code | Description |
|----------------------|--|
| 0x00052101 | Highest service performance reached. Try again later. |
| 0x00052102 | Service error. Try again later. |
| 0x00052103 | Service response timed out. Try again later. |
| 0x00052104 | Service is not available. Try again after restoring the service. |

Resource Access Status or Error

| Status or Error Code | Description |
|----------------------|---|
| 0x00072201 | No permission for resource access. Please contact the administrator to apply for permissions. |
| 0x00072202 | The resource does not exist. Enter the correct resource No. in the request. |
| 0x00072203 | Maximum number of Licenses reached. Check the License information from the administrator. |
| 0x00072204 | No permission for this function. Check the License information from the administrator. |

Other Status or Error

| Status or Error Code | Description |
|----------------------|----------------|
| 0x00052301 | Unknown error. |

OpenAPI Translation Service Status or Error

| Status or Error Code | Description |
|----------------------|--|
| 1 | Unknown error. |
| 2 | Incorrect request parameter. |
| 3 | Insufficient system resources. |
| 4 | Network timed out. |
| 5 | Service exception. |
| 6 | The server is busy. |
| 7 | Invalid network command. |
| 8 | This product version is not supported. |
| 9 | Invalid token. |
| 10 | Incorrect XML response message. |
| 11 | The HTTP is not supported. |
| 12 | The URL is not supported. |
| 13 | The authentication information between service and HikCentral Professional OpenAPI mismatches. |
| 14 | The WAN information of HikCentral Professional OpenAPI is not configured. |
| 15 | The NIC information of HikCentral Professional OpenAPI is not configured. |
| 16 | Connecting to service exception. |
| 17 | No permission for OpenAPI access. |
| 64 | The user of third-party partner platform exception. |
| 65 | The user is locked. |
| 66 | The user does not exist. |

| Status or Error Code | Description |
|----------------------|--|
| 67 | Initialize before login for first time. |
| 128 | The request resource does not exist. |
| 129 | The resource is offline. |
| 130 | No permission for the resource access. |
| 131 | The request resource already exists. |
| 132 | The maximum number of resources reached. |
| 133 | The resource is occupied. |
| 140 | The recording schedule does not exist. |
| 192 | Operation and control failed. |
| 193 | Connecting to cloud storage failed. |
| 194 | Connecting to device failed. |
| 195 | The device does not support this function. |



See Far, Go Further