**MapVision 5.0 WebAPI接口标准**

# 修订记录

|  |  |  |
| --- | --- | --- |
| **发布时间** | **版本号** | **修订内容** |
| 2020-06-12 | V1.22.2 | 1. 新增[查询人脸库](#_2.24.1查询人脸库) 2. 新增[实时人员轨迹](#_2.24.2实时人员轨迹) 3. 新增[历史人员轨迹](#_2.24.3查询人员历史轨迹) |
| 2020-05-13 | V1.22.1 | 1. 新增[查询巡逻预案](#_2.23.1_查询巡逻预案) 2. 新增[查询巡逻预案信息](#_2.23.2__查询巡逻预案信息) 3. 新增[添加巡逻预案](#_2.23.3__添加巡逻预案) 4. 新增[删除巡逻预案](#删除巡逻预案) |
| 2020-05-04 | V1.22.0 | 1、新增[空间计算](#空间计算) |
| 2020-04-28 | V1.21.0 | 1. 新增[获取巡逻路线列表](#获取巡逻路线列表) 2. 新增[根据路线编号获取分段与巡逻相机](#根据路线编号获取分段与巡逻相机) 3. 新增[删除巡逻路线](#删除巡逻路线) 4. 新增[修改巡逻路线](#修改巡逻路线) 5. 新增[添加巡逻路线、分段、巡逻相机](#添加巡逻路线、分段、巡逻相机接口描述) |
| 2020-04-26 | V1.20.0 | 1、新增[搜索](#_2.20搜索) |
| 2020-04-15 | V1.19.0 | 1、新增[获取地形开挖列表](#_2.18.1获取地形开挖列表)  2、新增[添加地形开挖](#_2.18.2添加地形开挖)  3、新增[修改地形开挖](#_2.18.3修改地形开挖)  4、新增[删除地形开挖](#_2.18.4删除地形开挖)  5、新增[获取地下楼层列表](#_2.18.1获取地下楼层列表) |
| 2020-03-30 | V1.18.0 | 新增[获取网格中设备的类别与数量](#_2.4.5获取网格中设备的类别与数量) |
| 2020-03-28 | V1.17.0 | 1、新增[重置网格节点](#_2.15.5重置网格节点)  2、新增[修改网格信息](#_2.16.3修改网格信息) |
| 2020-03-27 | V1.16.0 | 新增[获取网格中的设备](#_2.7.8获取网格中的设备) |
| 2020-03-25 | V1.15.0 | 1、新增[根据设备类别获取设备数量](#_2.7.7根据设备类别获取设备数量)  2、新增[接收事件信息](#_2.17.1接收事件信息)  3、新增[获取事件信息列表](#_2.17.2获取事件信息列表)  4、新增[根据设备类别获取当天报警数量](#_2.17.3根据设备类别获取当天报警数量)  5、新增[根据天数获取报警统计](#_2.17.4根据天数获取报警统计)  6、新增[获取网格信息列表](#_2.16.2获取网格信息列表) |
| 2020-03-20 | V1.14.0 | 1、新增[上传导入网格信息](#_上传导入网格信息) |
| 2020-03-19 | V1.13.0 | 1、新增[获取网格组织机构列表](#_2.15.1获取网格组织结构列表)  2、新增[添加网格组织机构](#_2.15.2添加网格组织结构)  3、新增[修改网格组织机构](#_2.15.3修改网格组织结构)  4、新增[删除网格组织机构](#_2.15.4删除网格组织结构)  5、修改[设备上图](#_2.7.2设备上图)，添加geom字段 |
| 2020-03-17 | V1.12.1 | 1、修改[上传设备组织机构](#_2.6.1上传设备组织结构)文件字段属性名为：device\_region  2、修改[上传设备信息](#_2.7.1上传设备信息)文件字段属性名：device\_info |
| 2020-03-12 | V1.12.0 | 1、新增[获取图层对象](#_2.14.1获取图层对象)  2、新增[获取图层对象列表](#_2.14.2获取图层对象列表)  3、新增[添加图层对象](#_2.14.3添加图层对象)  4、新增[修改图层对象](#_2.14.4修改图层对象)  5、新增[删除图层对象](#_2.14.5删除图层对象) |
| 2020-03-10 | V1.11.0 | 1、新增[获取图层分组列表](#_2.13.1获取图层分组列表)  2、新增[添加图层分组](#_2.12.2添加图层分组)  3、新增[修改图层分组](#_2.12.3修改图层分组)  4、新增[删除图层分组](#_2.12.4删除图层分组) |
| 2020-03-08 | V1.10.0 | 1、新增[获取地图标注](#_2.12.1获取地图标注)  2、新增[获取地图标注列表](#_2.12.2获取地图标注列表)  3、新增[添加地图标注](#_2.12.3添加地图标注)  4、新增[修改地图标注](#_2.12.4修改地图标注)  5、新增[删除地图标注](#_2.12.5删除地图标注) |
| 2020-03-07 | V1.9.0 | 1、新增[获取事件类型列表](#_2.11.1获取事件类型列表)  2、新增[添加事件类型](#_2.11.2添加事件类型)  3、新增[修改事件类型](#_2.11.3修改事件类型)  4、新增[删除事件类型](#_2.11.4删除事件类型) |
| 2020-03-03 | V1.8.0 | 1、新增[获取常用位置列表](#_2.10.1获取常用位置列表)  2、新增[添加常用位置](#_添加常用位置)  3、新增[修改常用位置](#_修改常用位置)  4、新增[删除常用位置](#_删除常用位置) |
| 2020-03-01 | V1.7.0 | 1、新增[获取建筑信息](#_2.8.1获取建筑信息)  2、新增[获取建筑列表](#_2.8.2获取建筑列表)  3、新增[修改建筑信息](#_2.8.3修改建筑信息)  4、新增[获取建筑楼层信息](#_2.9.1获取建筑楼层信息)  5、新增[获取建筑楼层列表](#_2.9.2获取建筑楼层列表)  6、新增[修改建筑楼层信息](#_2.9.3修改建筑楼层信息) |
| 2020-02-26 | V1.6.0 | 1、新增[上传设备信息](#_2.7.1上传设备信息)  2、新增[设备上图](#_2.7.2设备上图)  3、新增[设备下图](#_2.7.3设备下图)  4、新增[获取设备列表](#_2.7.4获取设备列表)  5、新增[修改设备信息](#_2.7.5修改设备信息)  6、新增[删除设备](#_2.7.5删除设备) |
| 2020-02-05 | V1.5.0 | 1、新增[上传设备组织机构](#_2.6.1上传设备组织结构)  2、新增[获取设备组织机构列表](#_2.6.2获取设备组织结构列表)  3、新增[添加设备组织机构](#_2.6.3添加设备组织结构)  4、新增[修改设备组织机构](#_2.6.4修改设备组织结构)  5、新增[删除设备组织机构](#_2.6.5删除设备组织结构) |
| 2020-02-01 | V1.4.0 | 1、新增[添加设备类型](#_2.5.1添加设备类型)  2、新增[获取设备类型](#_2.5.2获取设备类型)  3、新增[批量修改设备类型状态](#_2.5.2修改类型状态)  4、新增[修改设备类型](#_2.5.3修改设备类型)  5、新增[删除设备类型](#_2.5.4删除设备类型)  6、新增[获取设备类型](#_2.5.5获取设备类型)列表 |
| 2020-01-30 | V1.3.1 | 1、修改[获取平台配置](#_2.1.4获取平台配置)，[修改专业配置](#_2.1.5修改专业配置)，[修改基础配置](#_2.1.6修改基础配置)接口的返回值 center\_location 属性为object  2、[修改基础配置](#_2.1.6修改基础配置)调用参数[center\_location](#_调用参数)为object |
| 2020-01-16 | V1.3.0 | 1、新增[添加设备类别](#_2.4.1添加设备类别)  2、新增[批量修改类别状态](#_2.4.2修改类别状态)  3、新增[删除设备类别](#_2.4.3删除设备类别) |
| 2020-01-15 | V1.2.0 | 1、新增[获取设备类别](#_2.4.4获取设备类别)列表 |
| 2020-01-12 | V1.1.0 | 1、修改平台配置改为[修改专业配置](#_2.1.5修改专业配置)  2、新增[修改基础配置](#_2.1.6修改基础配置) |
| 2020-01-08 | V1.0.0 | 1、新增[获取平台是否免密登录](#_2.1.1是否需要登录)  2、新增[获取平台是否独立运行](#_2.1.3平台配置状态)  3、新增[获取平台配置](#_2.1.4获取平台配置)状态  4、新增[修改平台配置](#_2.1.5修改专业配置)  5、新增[平台用户验证](#_2.2.2平台用户验证)  6、新增[获取地图模型](#_2.2.1获取地图模型)列表  7、新增[获取默认用户](#_2.2.1获取默认用户) |

# 1.文档说明

## 1.1概述

MapVision 5.0 WebAPI接口说明。

## 1.2开发说明

### 1.2.1接口规则

|  |  |
| --- | --- |
| **项目** | **描述** |
| 传输方式 | HTTP协议 |
| 数据格式 | JSON |
| 字符编码 | UTF-8 |
| 数据库配置 | <http://192.168.0.211/api/database/test>（路由第一个参数database为数据库） |
| 东方通信科技园数据库编号：33010801001 |

# 2.系统接口

## 2.1平台业务

### 2.1.1获取平台是否免密登录

#### 接口描述

判断前端平台登录是否需要进行用户验证

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /sys/config/isLogin |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 调用结果 |
| +isLogin | bool | 前端是否需要登录，true需要登录、false不需要登录 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": "0",  "msg": "success",  "data": {  "isLogin": true  }  } |

### 2.1.2获取平台是否独立运行

#### 接口描述

判断前端平台登录后是否可以独立运行

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /sys/config/isStand |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 调用结果 |
| +isStand | bool | 前端是否需要登录，true需要登录、false不需要登录 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": "0",  "msg": "success",  "data": {  "isStand": true  }  } |

### 2.1.3获取平台配置状态

#### 接口描述

获取平台是否已进行初始化配置

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /sys/config/isConfig |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 调用结果 |
| +isConfig | bool | 平台初始配置状态 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": "0",  "msg": "success",  "data": {  "isConfig": true  }  } |

### 2.1.4获取平台配置

#### 接口描述

获取平台配置信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /sys/config |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 平台配置信息 |
| +id | string | 配置信息唯一标识 |
| +sys\_name | string | 前端系统名称 |
| +data\_server\_uri | string | 地图数据路径 |
| +center\_location | object | 平台地图初始相机位置 |
| ++x | number | x坐标（经度） |
| ++y | number | y坐标（维度） |
| ++z | number | z坐标（高度） |
| ++heading | number | 偏航角 |
| ++roll | number | 翻滚角 |
| ++pitch | number | 俯仰角 |
| +data\_type | string | 默认地图数据类型 |
| +is\_stand | bool | 系统是否独立运行 |
| +is\_login | bool | 前端系统是否需要用户验证 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": "0",  "msg": "success",  "data": {  "id": "1",  "sys\_name": "图为视三维安防平台",  "data\_server\_uri": "http://192.168.0.211/mapdata",  "center\_location": {  "x": 118.128128,  "y": 24.509127,  "z": 141,  "heading": 90,  "roll": 0,  "pitch": 0  },  "data\_type": "normal",  "is\_stand": true,  "is\_login": true  }  } |

### 2.1.5修改专业配置

#### 接口描述

修改平台专业配置信息。修改成功后返回平台配置信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /sys/config/updatePro |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| data\_server\_uri | string | 是 | 专业配置项，地图数据路径 |
| data\_type | string | 是 | 专业配置项，平台地图默认类型，详见[地图类型](#_4.1.2地图类型) |
| is\_stand | bool | 是 | 专业配置项，平台是否独立运行 |
| is\_login | bool | 是 | 专业配置项，前端系统是否需要用户验证 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "data\_server\_uri": "http://192.168.0.211/mapdata",  "data\_type": "normal",  "is\_stand": true,  "is\_login": true  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 修改后的平台配置信息 |
| +id | string | 配置信息唯一标识 |
| +sys\_name | string | 前端系统名称 |
| +data\_server\_uri | string | 地图数据路径 |
| +center\_location | object | 平台地图初始相机位置 |
| ++x | number | x坐标（经度） |
| ++y | number | y坐标（维度） |
| ++z | number | z坐标（高度） |
| ++heading | number | 偏航角 |
| ++roll | number | 翻滚角 |
| ++pitch | number | 俯仰角 |
| +data\_type | string | 默认地图数据类型 |
| +is\_stand | bool | 系统是否独立运行 |
| +is\_login | bool | 前端系统是否需要用户验证 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": "0",  "msg": "success",  "data": {  "id": "1",  "sys\_name": "图为视三维安防平台",  "data\_server\_uri": "http://192.168.0.211/mapdata",  "center\_location": {  "x": 118.128128,  "y": 24.509127,  "z": 141,  "heading": 90,  "roll": 0,  "pitch": 0  },  "data\_type": "normal",  "is\_stand": true,  "is\_login": true  }  } |

### 2.1.6修改基础配置

#### 接口描述

修改平台基础配置信息。修改成功后返回平台配置信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /sys/config/updateBase |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **JSON** | | | |
| sys\_name | string | 是 | 基础配置项，前端系统标题名称 |
| center\_location | object | 是 | 基础配置项地图初始化相机位置 |
| +x | number | 是 | x坐标（经度） |
| +y | number | 是 | y坐标（维度） |
| +z | number | 是 | z坐标（高度） |
| +heading | number | 是 | 偏航角 |
| +roll | number | 是 | 翻滚角 |
| +pitch | number | 是 | 俯仰角 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "sys\_name": "图为视三维安防平台",  "center\_location": {  "x": 118.128128,  "y": 24.509127,  "z": 141,  "heading": 90,  "roll": 0,  "pitch": 0  }  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 修改后的平台配置信息 |
| +id | string | 配置信息唯一标识 |
| +sys\_name | string | 前端系统名称 |
| +data\_server\_uri | string | 地图数据路径 |
| +center\_location | object | 平台地图初始相机位置 |
| ++x | number | x坐标（经度） |
| ++y | number | y坐标（维度） |
| ++z | number | z坐标（高度） |
| ++heading | number | 偏航角 |
| ++roll | number | 翻滚角 |
| ++pitch | number | 俯仰角 |
| +data\_type | string | 默认地图数据类型 |
| +is\_stand | bool | 系统是否独立运行 |
| +is\_login | bool | 前端系统是否需要用户验证 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": "0",  "msg": "success",  "data": {  "id": "1",  "sys\_name": "图为视三维安防平台",  "data\_server\_uri": "http://192.168.0.211/mapdata",  "center\_location": {  "x": 118.128128,  "y": 24.509127,  "z": 141,  "heading": 90,  "roll": 0,  "pitch": 0  },  "data\_type": "normal",  "is\_stand": true,  "is\_login": true  }  } |

## 2.2系统用户

### 2.2.1获取默认用户

#### 接口描述

获取系统默认用户

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /sys/user/defaultUser |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 登录用户的信息 |
| +id | string | 系统用户唯一标识 |
| +user\_name | string | 用户名 |
| +user\_pwd | string | 用户密码 |
| +full\_name | string | 用户真实姓名 |
| +role\_id | string | 用户所属角色id |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": "0",  "msg": "success",  "data": {  "id": "041135ceceb145e59d3973807fb20827",  "user\_name": "admin",  "user\_pwd": "admin",  "full\_name": "管理员",  "role\_id": "018e5905ed764c279b3d1c9fd2747e88",  "remark": "默认用户"  }  } |

### 2.2.2平台用户验证

#### 接口描述

验证用户名密码是否合法

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /sys/user/login |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| user\_name | string | 是 | 登录用户的用户名 |
| user\_pwd | string | 是 | 登录用户的密码 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "user\_name": "admin",  "user\_pwd": "admin"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 登录用户的信息 |
| +id | string | 系统用户唯一标识 |
| +user\_name | string | 用户名 |
| +user\_pwd | string | 用户密码 |
| +full\_name | string | 用户真实姓名 |
| +role\_id | string | 用户所属角色id |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": "0",  "msg": "success",  "data": {  "id": "041135ceceb145e59d3973807fb20827",  "user\_name": "admin",  "user\_pwd": "admin",  "full\_name": "管理员",  "role\_id": "018e5905ed764c279b3d1c9fd2747e88",  "remark": "默认用户"  }  } |

## 2.3地图数据

### 2.2.1获取地图模型列表

#### 接口描述

获取已导入数据库中的数据模型

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/model/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| data\_type | string | 否 | 地图数据类型，为空时获取所有数据，详见[地图类型](#_4.1.2地图类型) |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "data\_type": "normal"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 模型数据集合 |
| +id | string | 模型数据结构唯一标识 |
| +pid | string | 模型数据节点的父节点id |
| +node\_name | string | 数据结构节点名称 |
| +node\_type | string | 数据结构节点类型，group：文件夹，3dtiles：模型 |
| +data\_type | string | 地图数据类型 |
| +data\_url | string | 模型数据地址，节点为group时为空 |
| +visible | bool | 是否显示模型，节点为group时为空 |
| 备注 | 模型完整路径由三部分拼接而成  1、data\_server\_uri [获取平台配置](#_2.1.4获取平台配置)  2、date\_type[获取平台配置](#_2.1.4获取平台配置)  3、data\_url [获取地图模型](#_2.2.1获取地图模型) | |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": "0",  "msg": "success",  "data": [  {  "id": "addfdccca251458f9514e9d91b01b281",  "pid": "0",  "node\_name": "DX",  "node\_type": "3dtiles",  "data\_type": "normal",  "data\_url": "$serverURL$/3dtiles/DX/tileset.json",  "visible": true  },  {  "id": "45e9d91bacca251dd8f9514fdc01b281",  "pid": "0",  "node\_name": "LH",  "node\_type": "3dtiles",  "data\_type": "normal",  "data\_url": "$serverURL$/3dtiles/LH/tileset.json",  "visible": true  },  {  "id": "45e9d91bacca251dd8f9514fdc01b281",  "pid": "0",  "node\_name": "JZ",  "node\_type": "group",  "data\_type": "normal",  "data\_url": "",  "visible": null  }  ]  } |

## 2.4设备类别

### 2.4.1添加设备类别

#### 接口描述

添加设备类别

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/category/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| category\_name | string | 是 | 设备类别名称 |
| category\_icon | base64 | 是 | 设备类别图标 |
| category\_intent | string | 是 | 功能标识 |
| enable | bool | 否 | 是否启用，为空时默认为true |
| remark | string | 否 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "category\_name": "摄像头",  "category\_icon": "data:image/png;base64",  "category\_intent": "camera",  "enable": false,  "remark": "摄像头"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 设备类别 |
| +id | string | 设备类别唯一标识 |
| +category\_name | string | 设备类别名称 |
| +category\_icon | base64 | 设备类别图标 |
| +category\_intent | string | 功能标识 |
| +enable | bool | 启用状态 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_name": "摄像头",  "category\_icon": "data:image/png;base64",  "category\_intent": "camera",  "enable": true,  "remark": "摄像头"  }  } |

### 2.4.2批量修改设备类别状态

#### 接口描述

批量修改设备类别的启用/禁用状态

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/category/updateEnable |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| object[] | object | 是 | 待修改的设备类别列表 |
| id | string | 是 | 设备类别唯一标识 |
| enable | bool | 是 | 设备类别启用状态 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| [  {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "enable": true  },  {  "id": "0B26128EF30DA4F8308ADFB88ADF95A6",  "enable": true  }  ] |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备类别集合 |
| +id | string | 设备类别唯一标识 |
| +category\_name | string | 设备类别名称 |
| +category\_icon | base64 | 设备类别图标 |
| +category\_intent | string | 功能标识 |
| +enable | bool | 启用状态 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_name": "摄像头",  "category\_icon": "data:image/png;base64",  "category\_intent": "camera",  "enable": true,  "remark": "摄像头"  },  {  "id": "0B26128EF30DA4F8308ADFB88ADF95A6",  "category\_name": "门禁",  "category\_icon": "data:image/png;base64",  "category\_intent": "door",  "enable": true,  "remark": "门禁"  }  ]  } |

### 2.4.3删除设备类别

#### 接口描述

根据设备类别id删除设备类别，类别下存在设备类型时无法删除

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/category/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备类别唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

### 2.4.4获取设备类别列表

#### 接口描述

获取平台中的设备类别列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/category/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| enable | bool | 否 | 类别是否启用，为空时获取所有数据 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "enable": "true"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备类别集合 |
| +id | string | 设备类别唯一标识 |
| +category\_name | string | 设备类别名称 |
| +category\_icon | base64 | 设备类别图标 |
| +category\_intent | string | 功能标识 |
| +enable | bool | 启用状态 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_name": "摄像头",  "category\_icon": "data:image/png;base64",  "category\_intent": "camera",  "enable": true,  "remark": "摄像头"  },  {  "id": "0B26128EF30DA4F8308ADFB88ADF95A6",  "category\_name": "门禁",  "category\_icon": "data:image/png;base64",  "category\_intent": "door",  "enable": true,  "remark": "门禁"  }  ]  } |

### 2.4.5获取网格中设备的类别与数量

#### 接口描述

添加平台设备类别，所属设备类别不存在时无法添加

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/category/categoryByGrid |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 网格信息唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "1DE461E69EF724429F0F743E12EC3F6D"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 网格中设备数量 |
| +grid\_id | string | 网格信息唯一标识 |
| +category\_id | string | 设备类型id |
| +category\_name | string | 设备类别名称 |
| +count | string | 该类别设备数量 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "grid\_id": "082BC4FE00502B466D7A12C211F0C498",  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "count": "5"  }  ]  } |

## 2.5设备类型

### 2.5.1添加设备类型

#### 接口描述

添加平台设备类别，所属设备类别不存在时无法添加

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/type/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| type\_name | string | 是 | 设备类型名称 |
| type\_icon | base64 | 是 | 设备类型图标 |
| category\_id | string | 是 | 所属类别id |
| map\_icon | base64 | 是 | 上图所展示的图标 |
| enable | bool | 否 | 是否启用，为空时默认为true |
| map\_type | string | 是 | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| map\_style | object | 是 | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| remark | string | 否 | 备注 |
| 备注 | 1、map\_type表示设备在地图上展示的方式。如摄像头用模型（model）进行展示，光墙用立体墙（wall）进行展示，电子围栏用面（polygon）进行展示等  2、map\_style为设备在图上展示时所需要的参数，不同展示方式数据结构也不相同，具体数据结构参考[上图参数](#_4.1.3上图参数) | | |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "type\_name": "枪机",  "type\_icon": "data:image/png;base64",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "map\_icon": "data:image/png;base64",  "enable": true,  "map\_type": "model",  "map\_style": {  "utl": "$serverURL$/gltf/qiangji.gltf",  "height": 3,  "scale": 2  },  "remark": "枪机"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 设备类型 |
| +id | string | 设备类型唯一标识 |
| +type\_name | string | 设备类型名称 |
| +type\_icon | base64 | 设备类型图标 |
| +category\_id | string | 所属类别id |
| +map\_icon | base64 | 上图所展示的图标 |
| +enable | bool | 是否启用，为空时默认为true |
| +map\_type | string | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| +map\_style | object | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "type\_name": "枪机",  "type\_icon": "data:image/png;base64",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "map\_icon": "data:image/png;base64",  "enable": true,  "map\_ type": "model",  "map\_style": {  "utl": "$serverURL$/gltf/qiangji.gltf",  "height": 3,  "scale": 2  },  "remark": "枪机"  }  } |

### 2.5.2获取设备类型

#### 接口描述

根据id获取获取设备类型

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/type |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备类型唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "2FE9614770F3EC45C289A17F7B8A148A"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 设备类型 |
| +id | string | 设备类型唯一标识 |
| +type\_name | string | 设备类型名称 |
| +type\_icon | base64 | 设备类型图标 |
| +category\_id | string | 所属类别id |
| +map\_icon | base64 | 上图所展示的图标 |
| +enable | bool | 是否启用，为空时默认为true |
| +map\_type | string | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| +map\_style | object | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "2FE9614770F3EC45C289A17F7B8A148A",  "type\_name": "海康报警柱",  "type\_icon": "data:image/png;base64",  "category\_id": "2A99EBDC1DD601484099075748CFBA2F",  "map\_icon": "data:image/png;base64",  "map\_type": "model",  "map\_style": {  "utl": "$serverURL$/gltf/qiangji.gltf",  "height": 3,  "scale": 2  },  "enable": true,  "remark": "海康报警柱"  }  } |

### 2.5.3批量修改设备类型状态

#### 接口描述

批量修改设备类型的启用/禁用状态

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/type/updateEnable |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| object[] | object | 是 | 待修改的设备类型列表 |
| id | string | 是 | 设备类型唯一标识 |
| enable | bool | 是 | 设备类型启用状态 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| [  {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "enable": true  },  {  "id": "0B26128EF30DA4F8308ADFB88ADF95A6",  "enable": true  }  ] |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备类别集合 |
| +id | string | 设备类型唯一标识 |
| +type\_name | string | 设备类型名称 |
| +type\_icon | base64 | 设备类型图标 |
| +category\_id | string | 所属类别id |
| +map\_icon | base64 | 上图所展示的图标 |
| +enable | bool | 是否启用，为空时默认为true |
| +map\_type | string | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| +map\_style | object | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "type\_name": "枪机",  "type\_icon": "data:image/png;base64",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "map\_icon": "data:image/png;base64",  "enable": true,  "map\_ type": "model",  "map\_style": {  "utl": "$serverURL$/gltf/qiangji.gltf",  "height": 3,  "scale": 2  },  "remark": "枪机"  },  {  "id": "5B0B2DA4F8DF88ADF9612A30308A86EF",  "type\_name": "球机",  "type\_icon": "data:image/png;base64",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "map\_icon": "data:image/png;base64",  "enable": true,  "map\_ type": "model",  "map\_style": {  "utl": "$serverURL$/gltf/qiuji.gltf",  "height": 3,  "scale": 2  },  "remark": "球机"  }  ]  } |

### 2.5.4修改设备类型

#### 接口描述

修改设备类型信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/type/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备类型唯一标识 |
| type\_name | string | 否 | 设备类型名称 |
| type\_icon | base64 | 否 | 设备类型图标 |
| map\_icon | base64 | 否 | 上图所展示的图标 |
| enable | bool | 否 | 是否启用 |
| map\_style | object | 否 | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| remark | string | 否 | 备注 |
| 备注 | 1、map\_type表示设备在地图上展示的方式，保存成功后不允许修改  2、map\_style为设备在图上展示时所需要的参数，不同展示方式数据结构也不相同，具体数据结构参考[上图参数](#_4.1.3上图参数) | | |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "type\_name": "枪机",  "type\_icon": "data:image/png;base64",  "map\_icon": "data:image/png;base64",  "enable": true,  "map\_style": {  "utl": "$serverURL$/gltf/qiangji.gltf",  "height": 3,  "scale": 2  },  "remark": "枪机"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 设备类型 |
| +id | string | 设备类型唯一标识 |
| +type\_name | string | 设备类型名称 |
| +type\_icon | base64 | 设备类型图标 |
| +category\_id | string | 所属类别id |
| +map\_icon | base64 | 上图所展示的图标 |
| +enable | bool | 是否启用，为空时默认为true |
| +map\_type | string | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| +map\_style | object | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "type\_name": "枪机",  "type\_icon": "data:image/png;base64",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "map\_icon": "data:image/png;base64",  "enable": true,  "map\_ type": "model",  "map\_style": {  "utl": "$serverURL$/gltf/qiangji.gltf",  "height": 3,  "scale": 2  },  "remark": "枪机"  }  } |

### 2.5.5删除设备类型

#### 接口描述

根据设备类型id删除设备类型

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/type/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备类型唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

### 2.5.6获取设备类型列表

#### 接口描述

根据平台设备类别id获取设备类型列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/type/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| category\_id | string | 是 | 设备类别唯一标识 |
| enable | bool | 否 | 类别是否启用，为空时获取类别下所有数据 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "enable": "true"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备类型集合 |
| +id | string | 设备类型唯一标识 |
| +type\_name | string | 设备类型名称 |
| +type\_icon | base64 | 设备类型图标 |
| +category\_id | string | 所属类别id |
| +map\_icon | base64 | 上图所展示的图标 |
| +enable | bool | 是否启用，为空时默认为true |
| +map\_type | string | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| +map\_style | object | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "type\_name": "枪机",  "type\_icon": "data:image/png;base64",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "map\_icon": "data:image/png;base64",  "enable": true,  "map\_ type": "model",  "map\_style": {  "utl": "$serverURL$/gltf/qiangji.gltf",  "height": 3,  "scale": 2  },  "remark": "枪机"  },  {  "id": "5B0B2DA4F8DF88ADF9612A30308A86EF",  "type\_name": "球机",  "type\_icon": "data:image/png;base64",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "map\_icon": "data:image/png;base64",  "enable": true,  "map\_ type": "model",  "map\_style": {  "utl": "$serverURL$/gltf/qiuji.gltf",  "height": 3,  "scale": 2  },  "remark": "球机"  }  ]  } |

## 2.6设备组织机构

### 2.6.1上传设备组织结构

#### 接口描述

导入设备组织机构的Excel文件

当数据库中组织机构节点id不存在时创建节点，存在时修改原有节点

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/region/upload |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| category\_id | string | 是 | 设备类别唯一标识 |
| device\_region | file | 是 | 上传的Excel文件 |
| 备注 | 上传的Excel文件模板。根节点的父节点id为0 | | |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备组织机构集合 |
| +id | string | 组织机构唯一标识 |
| +region\_name | string | 组织机构名称 |
| +pid | string | 父节点id |
| +category\_id | string | 所属类别id |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "8B99A1F0B71565CA731079285D42BE4A",  "region\_name": "东方通信科技园",  "pid": "0",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF"  },  {  "id": "8B99A1F0B719285D42BE4A565CA73107",  "region\_name": "一号楼",  "pid": "8B99A1F0B71565CA731079285D42BE4A",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF"  }  ]  } |

### 2.6.2获取设备组织结构列表

#### 接口描述

根据设备类别id获取设备组织机构列表，返回树结构列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/region/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| category\_id | string | 是 | 设备类别唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备组织机构集合 |
| +id | string | 组织机构唯一标识 |
| +region\_name | string | 组织机构名称 |
| +pid | string | 父节点id |
| +category\_id | string | 所属类别id |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "region\_name": "XXX学院",  "pid": "0",  "category\_id": "F4F88AD0DAB261286EF8308AB095A3DF"  },  {  "id": "B26128695A30DADF8AB0EF88ADF4F830",  "region\_name": "一号楼",  "pid": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_id": "F4F88AD0DAB261286EF8308AB095A3DF"  },  {  "id": "F83569F8AB0EA388ADF40DADF0B26128",  "region\_name": "一层",  "pid": "B26128695A30DADF8AB0EF88ADF4F830",  "category\_id": "F4F88AD0DAB261286EF8308AB095A3DF"  },  {  "id": "88ADF4F835A30DADF0B2612869F8AB0E",  "region\_name": "二层",  "pid": "B26128695A30DADF8AB0EF88ADF4F830",  "category\_id": "F4F88AD0DAB261286EF8308AB095A3DF"  }  ]  } |

### 2.6.3添加设备组织结构

#### 接口描述

添加设备组织机构节点

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/region/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| region\_name | string | 是 | 组织机构名称 |
| category\_id | string | 是 | 设备类别唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "region\_name": "一号楼",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 设备组织机构 |
| +id | string | 组织机构唯一标识 |
| +region\_name | string | 组织机构名称 |
| +pid | string | 父节点id |
| +category\_id | string | 所属类别id |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "B26128695A30DADF8AB0EF88ADF4F830",  "region\_name": "一号楼",  "pid": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_id": "F4F88AD0DAB261286EF8308AB095A3DF"  }  } |

### 2.6.4修改设备组织结构

#### 接口描述

根据设备组织机构节点id修改设备组织机构节点

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/region/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备组织机构唯一标识 |
| region\_name | string | 是 | 设备组织机构名称 |
| pid | string | 是 | 父节点id |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id ": "B26128695A30DADF8AB0EF88ADF4F830",  "region\_name": "一号楼",  "pid ": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 设备组织机构 |
| +id | string | 组织机构唯一标识 |
| +region\_name | string | 组织机构名称 |
| +pid | string | 父节点id |
| +category\_id | string | 所属类别id |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "B26128695A30DADF8AB0EF88ADF4F830",  "region\_name": "一号楼",  "pid": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_id": "F4F88AD0DAB261286EF8308AB095A3DF"  }  } |

### 2.6.5删除设备组织结构

#### 接口描述

根据设备组织机构id删除设备组织机构，当存在子节点的时不允许删除

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/region/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备组织机构唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

## 2.7设备信息

### 2.7.1上传设备信息

#### 接口描述

导入设备信息的Excel文件

当数据库中设备id不存在时创建设备信息，存在时修改原有设备信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/info/upload |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| category\_id | string | 是 | 设备类别唯一标识 |
| device\_info | file | 是 | 上传的Excel文件 |
| 备注 | 上传的Excel文件模板 | | |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 10  } |

### 2.7.2设备上图

#### 接口描述

设备信息绑定地图相关数据

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/info/onMap |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备信息唯一标识 |
| type\_id | string | 是 | 设备类型唯一标识 |
| center | object | 是 | 定位到设备的坐标 |
| options | object | 是 | 设备上图参数 |
| +type | string | 是 | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| +style | object | 是 | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| geom | geometry | 是 | 几何数据，详见[Geometry类型](#_4.1.6_Geometry类型) |
| +type | string | 是 | 图形类型 |
| +coordinates | array | 是 | 坐标几何图形坐标 |
| indoor | bool | 是 | 是否处于室内 |
| build\_id | string | 否 | 设备所在建筑id |
| floor\_id | string | 否 | 设备所在楼层id |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "type\_id": "EA3B0A1950D8AD0826A4F83F286DF8BF",  "center": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "options": {  "type": "model",  "style": {  "url": "$serverURL$/gltf/qj.gltf",  "position": {  "x": "104.157785",  "y": "35.936438",  "z": "10.41",  "heading": "175",  "pitch": 0,  "roll": 0  },  "scale": 2,  "visible": true  }  },  "indoor": true,  "build\_id": "61286E5A30D8AB0B2A4F830DF88ADF9F",  "floor\_id": "86DF8BF8AD0826A4950DEA3B0A1F83F2"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 调用结果 |
| +operation | bool | 设备上图操作结果 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "operation": true  }  } |

### 2.7.3设备下图

#### 接口描述

设备信息取消绑定地图数据

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/info/offMap |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 调用结果 |
| +operation | bool | 设备下图操作结果 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "operation": true  }  } |

### 2.7.4获取设备列表

#### 接口描述

设备列表的条件模糊查询

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/info/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| category\_id | string | 否 | 设备类别唯一标识 |
| type\_id | string | 否 | 设备类型唯一标识 |
| region\_id | string | 否 | 设备所在的组织机构id |
| device\_name | string | 否 | 设备名称 |
| indoor | bool | 否 | 是否处于室内 |
| build\_id | string | 否 | 设备所在建筑id |
| floor\_id | string | 否 | 设备所在楼层id |
| on\_map | bool | 否 | 设备是否上图 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "category\_id": "DF88ADF95A30DA4F8308AB0B2",  "type\_id": " EA3B0A195DF8BF0D8A61286EFD0826A4F83F286",  "region\_id": "F830DF88A0D38A1286EFB0B26A4DF95A",  "device\_name": "南大门枪机",  "indoor": true,  "build\_id": "08AB30DA34F820B261DF88AEFDF95A86",  "floor\_id": "8AB0B260DDF8A4F12DA86EFF95A38308",  "on\_map": true  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备列表集合 |
| +id | string | 设备唯一标识 |
| +category\_id | string | 所属设备类别id |
| +category\_name | string | 所属设备类别名称 |
| +type\_id | string | 所属设备类型 |
| +type\_name | string | 所属设备类型名称 |
| +region\_id | string | 设备所在的组织机构id |
| +device\_code | string | 设备唯一编码 |
| +device\_name | string | 设备名称 |
| +indoor | bool | 是否处于室内 |
| +build\_id | string | 设备所在建筑id |
| +floor\_id | string | 设备所在楼层id |
| +center | object | 定位到设备的坐标 |
| +options | object | 设备上图参数 |
| ++type | string | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| ++style | object | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| +geom | geometry | 几何数据，详见[Geometry类型](#_4.1.6_Geometry类型) |
| ++type | string | 图形类型 |
| ++coordinates | array | 坐标几何图形坐标 |
| +detail\_info | object | 设备详情信息 |
| +on\_map | bool | 设备是否上图 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_name": "摄像头",  "type\_id": "EA3B0A1950D8AD0826A4F83F286DF8BF",  "type\_name": "枪机",  "region\_id": "EA3B0A1950D8AD0826A4F83F286DF8BF",  "device\_code": "0A1950D6DF8BF8AD0883F28EA3B26A4F",  "device\_name": "南大门枪机",  "indoor": true,  "build\_id": "61286E5A30D8AB0B2A4F830DF88ADF9F",  "floor\_id": "86DF8BF8AD0826A4950DEA3B0A1F83F2",  "center": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "options": {  "type": "model",  "style": {  "url": "$serverURL$/gltf/qj.gltf",  "position": {  "x": "104.157785",  "y": "35.936438",  "z": "10.41",  "heading": "175",  "pitch": 0,  "roll": 0  },  "scale": 2,  "visible": true  }  },  "detail\_info": {  "cameraIndexCode": "64adcc350a914e0c8b11f7e36035ceb3",  "cameraName": "62点团结北路四合院门口",  "cameraType": 0,  "cameraTypeName": "枪机",  "channelNo": "1",  "channelType": "analog",  "channelTypeName": "模拟通道",  "createTime": "2019-08-19T14:07:40.425+08:00",  "encodeDevIndexCode": "c839202278ce4e6b980f91ae88a4f039",  "regionIndexCode": "9289021c-f599-40da-9eae-b21ed9becc10",  "transType": 1,  "transTypeName": "TCP",  "updateTime": "2019-08-19T16:50:23.878+08:00"  },  "on\_map": true  }  ]  } |

### 2.7.5修改设备信息

#### 接口描述

根据设备id修改导入的设备信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/info/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备信息唯一标识 |
| type\_id | string | 否 | 设备类型唯一标识 |
| region\_id | string | 否 | 设备所在的组织机构id |
| device\_name | string | 否 | 设备名称 |
| indoor | bool | 否 | 是否处于室内 |
| build\_id | string | 否 | 设备所在建筑id |
| floor\_id | string | 否 | 设备所在楼层id |
| center | object | 否 | 定位到设备的坐标 |
| options | object | 否 | 设备上图参数 |
| +type | string | 是 | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| +style | object | 是 | 上图参数，详见[上图参数](#_4.1.3上图参数) |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "8BF0DF612D19526808D8AEA3B0A6EFA4F83F286",  "type\_id": "EA3B0A195DF8BF0D8A61286EFD0826A4F83F286",  "region\_id": "F830DF88A0D38A1286EFB0B26A4DF95A",  "device\_name": "南大门枪机",  "indoor": true,  "build\_id": "08AB30DA34F820B261DF88AEFDF95A86",  "floor\_id": "8AB0B260DDF8A4F12DA86EFF95A38308",  "center": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "options": {  "type": "model",  "style": {  "url": "$serverURL$/gltf/qj.gltf",  "position": {  "x": "104.157785",  "y": "35.936438",  "z": "10.41",  "heading": "175",  "pitch": 0,  "roll": 0  },  "scale": 2,  "visible": true  }  }  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备列表集合 |
| +id | string | 设备唯一标识 |
| +category\_id | string | 所属设备类别id |
| +category\_name | string | 所属设备类别名称 |
| +type\_id | string | 所属设备类型 |
| +type\_name | string | 所属设备类型名称 |
| +region\_id | string | 设备所在的组织机构id |
| +device\_code | string | 设备唯一编码 |
| +device\_name | string | 设备名称 |
| +indoor | bool | 是否处于室内 |
| +build\_id | string | 设备所在建筑id |
| +floor\_id | string | 设备所在楼层id |
| +center | object | 定位到设备的坐标 |
| +options | object | 设备上图参数 |
| ++type | string | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| ++style | object | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| +geom | geometry | 几何数据，详见[Geometry类型](#_4.1.6_Geometry类型) |
| ++type | string | 图形类型 |
| ++coordinates | array | 坐标几何图形坐标 |
| +detail\_info | object | 设备详情信息 |
| +on\_map | bool | 设备是否上图 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "category\_name": "摄像头",  "type\_id": "EA3B0A1950D8AD0826A4F83F286DF8BF",  "type\_name": "枪机",  "region\_id": "EA3B0A1950D8AD0826A4F83F286DF8BF",  "device\_code": "0A1950D6DF8BF8AD0883F28EA3B26A4F",  "device\_name": "南大门枪机",  "indoor": true,  "build\_id": "61286E5A30D8AB0B2A4F830DF88ADF9F",  "floor\_id": "86DF8BF8AD0826A4950DEA3B0A1F83F2",  "center": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "options": {  "type": "model",  "style": {  "url": "$serverURL$/gltf/qj.gltf",  "position": {  "x": "104.157785",  "y": "35.936438",  "z": "10.41",  "heading": "175",  "pitch": 0,  "roll": 0  },  "scale": 2,  "visible": true  }  },  "detail\_info": {  "cameraIndexCode": "64adcc350a914e0c8b11f7e36035ceb3",  "cameraName": "62点团结北路四合院门口",  "cameraType": 0,  "cameraTypeName": "枪机",  "channelNo": "1",  "channelType": "analog",  "channelTypeName": "模拟通道",  "createTime": "2019-08-19T14:07:40.425+08:00",  "encodeDevIndexCode": "c839202278ce4e6b980f91ae88a4f039",  "regionIndexCode": "9289021c-f599-40da-9eae-b21ed9becc10",  "transType": 1,  "transTypeName": "TCP",  "updateTime": "2019-08-19T16:50:23.878+08:00"  },  "on\_map": true  }  ]  } |

### 2.7.6删除设备

#### 接口描述

根据设备id删除设备信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/info/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 设备唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

### 2.7.7根据设备类别获取设备数量

#### 接口描述

根据设备类别分类获取设备数量

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/info/countForCategory |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备数量信息 |
| +id | string | 设备类别id |
| +category\_name | string | 设备类别名称 |
| +count | string | 设备数量 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "90AE016847993B4B971A2D7B319B3C90",  "category\_name": "消防设施",  "count": "0"  },  {  "id": "E64B35525E6F9845D2D9AC2986485C11",  "category\_name": "报警柱",  "count": "0"  },  {  "id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "count": "62"  }  ]  } |

### 2.7.8获取网格中的设备

#### 接口描述

根据网格获取网格中的设备列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /device/info/deviceByGrid |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 网格信息唯一标识 |
| category\_id | string | 是 | 设备类别id |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "1DE461E69EF724429F0F743E12EC3F6D",  "category\_id": "94A00A85F65AF04AB4B8AE08432A9A54"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备列表信息 |
| +grid\_id | string | 网格信息唯一标识 |
| +grid\_name | string | 网格名称 |
| +device\_id | string | 设备唯一标识 |
| +category\_id | string | 所属设备类别id |
| +category\_name | string | 所属设备类别名称 |
| +type\_id | string | 所属设备类型 |
| +type\_name | string | 所属设备类型名称 |
| +region\_id | string | 设备所在的组织机构id |
| +device\_code | string | 设备唯一编码 |
| +device\_name | string | 设备名称 |
| +indoor | bool | 是否处于室内 |
| +build\_id | string | 设备所在建筑id |
| +floor\_id | string | 设备所在楼层id |
| +center | object | 定位到设备的坐标 |
| +options | object | 设备上图参数 |
| ++type | string | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| ++style | object | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| +geom | geometry | 几何数据，详见[Geometry类型](#_4.1.6_Geometry类型) |
| ++type | string | 图形类型 |
| ++coordinates | array | 坐标几何图形坐标 |
| +detail\_info | object | 设备详情信息 |
| +on\_map | bool | 设备是否上图 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "grid\_id": "24FEA3B752EB904CDCAAA9591072BA7A",  "grid\_name": "室外区块01",  "device\_id": "636df8547e1a4cae86d4e48931a0cbbF",  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "type\_id": "B88458DECFE22140B0F880EA2C49BB27",  "type\_name": "枪机",  "region\_id": "12\_19242F0F746DDE464239EF7ECE11E63F",  "device\_type": "枪机",  "device\_code": "07c90ec35fb94b88b6ded3b01c9bfd04",  "device\_name": "3球场",  "indoor": false,  "build\_id": "",  "floor\_id": "",  "geom": {  "type": "Point",  "coordinates": [  120.136688,  30.181224  ]  },  "center": {  "x": 120.136543,  "y": 30.181255,  "z": 111.31,  "h": 0.28,  "p": -1.4856477802,  "r": 0.01  },  "options": {  "url": "http://192.168.0.211/mapdata/gltf/qiangji.gltf",  "position": {  "x": 120.136688,  "y": 30.181224,  "z": 9.3,  "heading": 0.28178501,  "pitch": 0,  "roll": 0  },  "scale": 2,  "visible": true  },  "detail\_info": {  "altitude": null,  "cameraIndexCode": "61f8bd84af1c437eaa09d3989839f321",  "cameraName": "5F走廊东",  "cameraType": 0,  "cameraTypeName": "枪机",  "channelTypeName": "数字通道",  "createTime": "2019-08-14T17:12:50.303+08:00",  "regionIndexCode": "50ec37bd-b146-45ee-a6e8-dcc328d5e5e7",  "status": null,  "statusName": null,  "transType": 1,  "transTypeName": "TCP",  "treatyType": null,  "treatyTypeName": null,  "viewshed": null,  "updateTime": "2019-08-14T17:14:51.747+08:00"  },  "on\_map": true  }  ]  } |

## 2.8地图建筑

### 2.8.1获取建筑信息

#### 接口描述

根据建筑id获取建筑信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/build |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 建筑唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 建筑信息 |
| +id | string | 建筑唯一标识 |
| +group\_id | string | 对应的map\_model表中group的id |
| +build\_name | string | 建筑名称 |
| +center\_position | object | 建筑飞行定位的坐标 |
| +label\_position | object | 建筑标注坐标 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "8bec0fd8d1ea4c36bc16bcdfcb35f3fa",  "group\_id": "5ed3920c631340a6bf676f90a96737a0",  "build\_name": "1",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "label\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "remark": "1"  }  } |

### 2.8.2获取建筑列表

#### 接口描述

获取建筑列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/build/list |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 建筑信息列表 |
| +id | string | 建筑唯一标识 |
| +group\_id | string | 对应的map\_model表中group的id |
| +build\_name | string | 建筑名称 |
| +center\_position | object | 建筑飞行定位的坐标 |
| +label\_position | object | 建筑标注坐标 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "8bec0fd8d1ea4c36bc16bcdfcb35f3fa",  "group\_id": "5ed3920c631340a6bf676f90a96737a0",  "build\_name": "1",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "label\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "remark": "1"  }  ]  } |

### 2.8.3修改建筑信息

#### 接口描述

根据建筑id修改建筑信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/build/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 建筑唯一标识 |
| build\_name | string | 是 | 建筑名称 |
| center\_position | object | 是 | 建筑飞行定位的坐标 |
| label\_position | object | 是 | 建筑标注坐标 |
| remark | string | 是 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "8BF0DF612D19526808D8AEA3B0A6EFA4F83F286",  "type\_id": "EA3B0A195DF8BF0D8A61286EFD0826A4F83F286",  "region\_id": "F830DF88A0D38A1286EFB0B26A4DF95A",  "device\_name": "南大门枪机",  "indoor": true,  "build\_id": "08AB30DA34F820B261DF88AEFDF95A86",  "floor\_id": "8AB0B260DDF8A4F12DA86EFF95A38308",  "center": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "options": {  "type": "model",  "style": {  "url": "$serverURL$/gltf/qj.gltf",  "position": {  "x": "104.157785",  "y": "35.936438",  "z": "10.41",  "heading": "175",  "pitch": 0,  "roll": 0  },  "scale": 2,  "visible": true  }  }  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 建筑信息 |
| +id | string | 建筑唯一标识 |
| +group\_id | string | 对应的map\_model表中group的id |
| +build\_name | string | 建筑名称 |
| +center\_position | object | 建筑飞行定位的坐标 |
| +label\_position | object | 建筑标注坐标 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "8bec0fd8d1ea4c36bc16bcdfcb35f3fa",  "group\_id": "5ed3920c631340a6bf676f90a96737a0",  "build\_name": "1",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "label\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "remark": "1"  }  } |

## 2.9建筑楼层

### 2.9.1获取建筑楼层信息

#### 接口描述

根据建筑id获取建筑楼层信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/floor |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 建筑楼层唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 建筑楼层信息 |
| +id | string | 建筑楼层唯一标识 |
| +group\_id | string | 对应的map\_model表中group的id |
| +order\_num | number | 排序号 |
| +floor\_name | string | 建筑楼层名称 |
| +build\_id | string | 建筑唯一标识 |
| +center\_position | object | 建筑楼层飞行定位的坐标 |
| +model\_url | string | 模型路径 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "b02cc748cb5a4bacb88f90e89f08fbf4",  "group\_id": "52615e6aacb64c20be5c1c052bdad5ad",  "order\_num": 2,  "floor\_name": "F1",  "build\_id": "8bec0fd8d1ea4c36bc16bcdfcb35f3fa",  "model\_url": "$serverURL$/3dtiles/JZ/1/F1/tileset.json",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "remark": "F1"  }  } |

### 2.9.2获取建筑楼层列表

#### 接口描述

根据建筑id获取建筑楼层列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/floor/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| build\_id | string | 是 | 建筑唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "build\_id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 建筑楼层信息 |
| +id | string | 建筑楼层唯一标识 |
| +group\_id | string | 对应的map\_model表中group的id |
| +order\_num | number | 排序号 |
| +floor\_name | string | 建筑楼层名称 |
| +build\_id | string | 建筑唯一标识 |
| +center\_position | object | 建筑楼层飞行定位的坐标 |
| +model\_url | string | 模型路径 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "b02cc748cb5a4bacb88f90e89f08fbf4",  "group\_id": "52615e6aacb64c20be5c1c052bdad5ad",  "order\_num": 2,  "floor\_name": "1F",  "build\_id": "8bec0fd8d1ea4c36bc16bcdfcb35f3fa",  "model\_url": "$serverURL$/3dtiles/JZ/1/F1/tileset.json",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "remark": "1F"  }  ]  } |

### 2.9.3修改建筑楼层信息

#### 接口描述

根据建筑楼层id修改建筑楼层信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/floor/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 建筑楼层唯一标识 |
| floor\_name | string | 是 | 建筑楼层名称 |
| center\_position | object | 是 | 建筑飞行定位的坐标 |
| remark | string | 是 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "b02cc748cb5a4bacb88f90e89f08fbf4",  "floor\_name": "1F",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "remark": "1F"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 建筑楼层信息 |
| +id | string | 建筑楼层唯一标识 |
| +group\_id | string | 对应的map\_model表中group的id |
| +order\_num | number | 排序号 |
| +floor\_name | string | 建筑楼层名称 |
| +build\_id | string | 建筑唯一标识 |
| +center\_position | object | 建筑楼层飞行定位的坐标 |
| +model\_url | string | 模型路径 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "b02cc748cb5a4bacb88f90e89f08fbf4",  "group\_id": "52615e6aacb64c20be5c1c052bdad5ad",  "order\_num": 2,  "floor\_name": "F1",  "build\_id": "8bec0fd8d1ea4c36bc16bcdfcb35f3fa",  "model\_url": "$serverURL$/3dtiles/JZ/1/F1/tileset.json",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "remark": "F1"  }  } |

## 2.10常用位置

### 2.10.1获取常用位置列表

#### 接口描述

根据用户id获取常用位置信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/location/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| user\_id | string | 是 | 用户唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "user\_id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 常用位置列表 |
| +id | string | 常用位置唯一标识 |
| +location\_name | string | 常用位置名称 |
| +pic | string | 视角定位的图片 |
| +position | object | 位置坐标 |
| +user\_id | string | 所属系统用户 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "F68ED284B79A8B419E89A99B8FAA6ECC",  "location\_name": "图书馆",  "pic": "data:image/png;base64",  "position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "user\_id": "041135CECEB145E59D3973807FB20827"  }  ]  } |

### 2.10.2添加常用位置

#### 接口描述

添加常用位置信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/location/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| +location\_name | string | 是 | 常用位置名称 |
| +pic | string | 是 | 视角定位的图片 |
| +position | object | 是 | 位置坐标 |
| +user\_id | string | 是 | 所属系统用户 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "location\_name": "图书馆",  "pic": "data:image/png;base64",  "position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "user\_id": "041135CECEB145E59D3973807FB20827"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 常用位置 |
| +id | string | 常用位置唯一标识 |
| +location\_name | string | 常用位置名称 |
| +pic | string | 视角定位的图片 |
| +position | object | 位置坐标 |
| +user\_id | string | 所属系统用户 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "F68ED284B79A8B419E89A99B8FAA6ECC",  "location\_name": "图书馆",  "pic": "data:image/png;base64",  "position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "user\_id": "041135CECEB145E59D3973807FB20827"  }  } |

### 2.10.3修改常用位置

#### 接口描述

根据常用位置id修改常用位置信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/location/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 常用位置唯一标识 |
| +pic | string | 是 | 视角定位的图片 |
| +position | object | 是 | 位置坐标 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "614BABE8758812469BDA8A75568285E2",  "pic": "data:image/png;base64",  "position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.115,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  }  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 常用位置 |
| +id | string | 常用位置唯一标识 |
| +location\_name | string | 常用位置名称 |
| +pic | string | 视角定位的图片 |
| +position | object | 位置坐标 |
| +user\_id | string | 所属系统用户 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "F68ED284B79A8B419E89A99B8FAA6ECC",  "location\_name": "图书馆",  "pic": "data:image/png;base64",  "position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.115,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "user\_id": "041135CECEB145E59D3973807FB20827"  }  } |

### 2.10.4删除常用位置

#### 接口描述

根据常用位置id删除常用位置信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/location/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 常用位置唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

## 2.11事件类型

### 2.11.1获取事件类型列表

#### 接口描述

根据设备类别id获取事件类型列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /event/type/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| category\_id | string | 是 | 设备类别唯一标识 |
| enable | bool | 否 | 事件类型是否启用，为空时获取类别下所有数据 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "category\_id": "DF88ADF95A30DA4F8308AB0B261286EF",  "enable": "true"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 事件类型列表 |
| +id | string | 事件类型唯一标识 |
| +event\_name | string | 事件类型名称 |
| +event\_level | number | 事件等级，详见[事件等级](#_4.1.4事件等级) |
| +category\_id | string | 设备所属的类别 |
| +push\_data | bool | 是推送数据到前端 |
| +link\_info | bool | 是否联动报警信息 |
| +alarm\_event | bool | 是否为报警事件 |
| +write\_log | bool | 是否写入日志 |
| +enable | bool | 是否启用该报警类型 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "70B7122526AD2A43EF29C0841BB53809",  "event\_name": "区域入侵",  "event\_level": 2,  "category\_id": "1A95B980729DEA45D1DA5636FEFCF587",  "push\_data": true,  "link\_info": true,  "alarm\_event": true,  "write\_log": true,  "enable": true,  "remark": ""  }  ]  } |

### 2.11.2添加事件类型

#### 接口描述

添加事件类型

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /event/type/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| event\_name | string | 是 | 事件类型名称 |
| event\_level | number | 是 | 事件等级，详见[事件等级](#_4.1.4事件等级) |
| category\_id | string | 是 | 设备所属的类别 |
| push\_data | bool | 是 | 是推送数据到前端 |
| link\_info | bool | 是 | 是否联动报警信息 |
| alarm\_event | bool | 是 | 是否为报警事件 |
| write\_log | bool | 是 | 是否写入日志 |
| enable | bool | 是 | 是否启用该报警类型 |
| remark | string | 是 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "event\_name": "区域入侵",  "event\_level": 2,  "category\_id": "1A95B980729DEA45D1DA5636FEFCF587",  "push\_data": true,  "link\_info": true,  "alarm\_event": true,  "write\_log": true,  "enable": true,  "remark": ""  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 事件类型 |
| +id | string | 事件类型唯一标识 |
| +event\_name | string | 事件类型名称 |
| +event\_level | number | 事件等级，详见[事件等级](#_4.1.4事件等级) |
| +category\_id | string | 设备所属的类别 |
| +push\_data | bool | 是推送数据到前端 |
| +link\_info | bool | 是否联动报警信息 |
| +alarm\_event | bool | 是否为报警事件 |
| +write\_log | bool | 是否写入日志 |
| +enable | bool | 是否启用该报警类型 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "70B7122526AD2A43EF29C0841BB53809",  "event\_name": "区域入侵",  "event\_level": 2,  "category\_id": "1A95B980729DEA45D1DA5636FEFCF587",  "push\_data": true,  "link\_info": true,  "alarm\_event": true,  "write\_log": true,  "enable": true,  "remark": ""  }  } |

### 2.11.3修改事件类型

#### 接口描述

修改事件类型

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /event/type/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 事件类型唯一标识 |
| event\_name | string | 是 | 事件类型名称 |
| event\_level | number | 是 | 事件等级，详见[事件等级](#_4.1.4事件等级) |
| push\_data | bool | 是 | 是推送数据到前端 |
| link\_info | bool | 是 | 是否联动报警信息 |
| alarm\_event | bool | 是 | 是否为报警事件 |
| write\_log | bool | 是 | 是否写入日志 |
| enable | bool | 是 | 是否启用该报警类型 |
| remark | string | 是 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "70B7122526AD2A43EF29C0841BB53809",  "event\_name": "区域入侵",  "event\_level": 2,  "push\_data": true,  "link\_info": true,  "alarm\_event": true,  "write\_log": true,  "enable": true,  "remark": ""  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 事件类型 |
| +id | string | 事件类型唯一标识 |
| +event\_name | string | 事件类型名称 |
| +event\_level | number | 事件等级，详见[事件等级](#_4.1.4事件等级) |
| +category\_id | string | 设备所属的类别 |
| +push\_data | bool | 是推送数据到前端 |
| +link\_info | bool | 是否联动报警信息 |
| +alarm\_event | bool | 是否为报警事件 |
| +write\_log | bool | 是否写入日志 |
| +enable | bool | 是否启用该报警类型 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "70B7122526AD2A43EF29C0841BB53809",  "event\_name": "区域入侵",  "event\_level": 2,  "category\_id": "1A95B980729DEA45D1DA5636FEFCF587",  "push\_data": true,  "link\_info": true,  "alarm\_event": true,  "write\_log": true,  "enable": true,  "remark": ""  }  } |

### 2.11.4删除事件类型

#### 接口描述

根据事件类型id删除事件类型信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /event/type/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 事件类型唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

## 2.12地图标注

### 2.12.1获取地图标注

#### 接口描述

根据地图标注id获取地图标注信息

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 地图标注唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/label |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 地图标注 |
| +id | string | 地图标注唯一标识 |
| +label\_name | string | 地图标注名称 |
| +center\_position | object | 标注飞行定位的坐标 |
| +label\_position | object | 标注坐标 |
| +label\_style | object | 地图标注样式 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "0DCE04C867DBE74076296D264DD28859",  "label\_name": "图书馆",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "label\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5  },  "label\_style": {  "color": "red",  "size": 15  },  "remark": "1"  }  } |

### 2.12.2获取地图标注列表

#### 接口描述

获取地图标注列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/label/list |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 地图标注列表 |
| +id | string | 地图标注唯一标识 |
| +label\_name | string | 地图标注名称 |
| +center\_position | object | 标注飞行定位的坐标 |
| +label\_position | object | 标注坐标 |
| +label\_style | object | 地图标注样式 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "0DCE04C867DBE74076296D264DD28859",  "label\_name": "图书馆",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "label\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5  },  "label\_style": {  "color": "red",  "size": 15  },  "remark": "1"  }  ]  } |

### 2.12.3添加地图标注

#### 接口描述

添加地图标注

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/label/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| label\_name | string | 是 | 地图标注名称 |
| center\_position | object | 是 | 标注飞行定位的坐标 |
| label\_position | object | 是 | 标注坐标 |
| label\_style | object | 是 | 地图标注样式 |
| remark | string | 否 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "label\_name": "图书馆",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "label\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5  },  "label\_style": {  "color": "red",  "size": 15  },  "remark": "1"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 地图标注对象 |
| +id | string | 地图标注唯一标识 |
| +label\_name | string | 地图标注名称 |
| +center\_position | object | 标注飞行定位的坐标 |
| +label\_position | object | 标注坐标 |
| +label\_style | object | 地图标注样式 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "0DCE04C867DBE74076296D264DD28859",  "label\_name": "图书馆",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "label\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5  },  "label\_style": {  "color": "red",  "size": 15  },  "remark": "1"  }  } |

### 2.12.4修改地图标注

#### 接口描述

修改地图标注

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/label/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 事件类型唯一标识 |
| label\_name | string | 是 | 地图标注名称 |
| center\_position | object | 是 | 标注飞行定位的坐标 |
| label\_position | object | 是 | 标注坐标 |
| label\_style | object | 是 | 地图标注样式 |
| remark | string | 否 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "6C894A4F96BE5D4ED10A1A2DF72EF5EA",  "label\_name": "图书馆",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "label\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5  },  "label\_style": {  "color": "red",  "size": 15  },  "remark": "1"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| +id | string | 地图标注唯一标识 |
| +label\_name | string | 地图标注名称 |
| +center\_position | object | 标注飞行定位的坐标 |
| +label\_position | object | 标注坐标 |
| +label\_style | object | 地图标注样式 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "0DCE04C867DBE74076296D264DD28859",  "label\_name": "图书馆",  "center\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5,  "heading": 85.2,  "pitch": -11.8,  "roll": 0.2  },  "label\_position": {  "y": 35.936436,  "x": 104.15776,  "z": 11.5  },  "label\_style": {  "color": "red",  "size": 15  },  "remark": "1"  }  } |

### 2.12.5删除地图标注

#### 接口描述

根据地图标注id删除地图标注信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/label/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 地图标注唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

## 2.13图层分组

### 2.13.1获取图层分组列表

#### 接口描述

获取图层分组列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/group/list |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 图层分组列表 |
| +id | string | 图层分组唯一标识 |
| +group\_name | string | 图层分组名称 |
| +group\_icon | string | 界面中分组的图标 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "2AE9500435634E446089A74814A7EE88",  "group\_name": "停车场",  "group\_icon": "data:image/png;base64",  "remark": "停车场"  }  ]  } |

### 2.13.2添加图层分组

#### 接口描述

添加图层分组

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/group/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| group\_name | string | 是 | 图层分组名称 |
| group\_icon | string | 是 | 界面中分组的图标 |
| remark | string | 否 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "group\_name": "停车场",  "group\_icon": "data:image/png;base64",  "remark": "停车场"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 图层分组对象 |
| +id | string | 图层分组唯一标识 |
| +group\_name | string | 图层分组名称 |
| +group\_icon | string | 界面中分组的图标 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "A8C0630C9F7CB04E4E49BF0D2002F10B",  "group\_name": "停车场",  "group\_icon": "data:image/png;base64",  "remark": ""  }  } |

### 2.13.3修改图层分组

#### 接口描述

修改地图标注

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/group/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **参数名称** | **数据类型** | | **是否必须** | | **参数描述** | |
| id | string | | 是 | | 图层分组唯一标识 | |
| group\_name | | string | | 是 | | 图层分组名称 |
| group\_icon | | string | | 是 | | 界面中分组的图标 |
| remark | | string | | 否 | | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "A8C0630C9F7CB04E4E49BF0D2002F10B",  "group\_name": "停车场",  "group\_icon": "data:image/png;base64",  "remark": ""  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 图层分组对象 |
| +id | string | 图层分组唯一标识 |
| +group\_name | string | 图层分组名称 |
| +group\_icon | string | 界面中分组的图标 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "A8C0630C9F7CB04E4E49BF0D2002F10B",  "group\_name": "停车场",  "group\_icon": "data:image/png;base64",  "remark": ""  }  } |

### 2.13.4删除图层分组

#### 接口描述

根据地图标注id删除地图标注信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/group/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 图层分组唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

## 2.14图层对象

### 2.14.1获取图层对象

#### 接口描述

根据图层对象id获取图层对象信息

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 图层对象唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/layer |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 图层对象 |
| +id | string | 图层对象唯一标识 |
| +layer\_name | string | 地图图层对象名称 |
| +group\_id | string | 图层分组唯一标识 |
| +layer\_type | string | 图层对象类型，详见[图层对象类型](#_4.1.5图层对象类型) |
| +options | object | 上图参数 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "4EAAAC6CF1903244D0590351208A1F5D",  "layer\_name": "东门停车场",  "group\_id": "2AE9500435634E446089A74814A7EE88",  "layer\_type": "polyline",  "options": {  "width": 10,  "color": 1  },  "remark": ""  }  } |

### 2.14.2获取图层对象列表

#### 接口描述

获取图层对象列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/layer/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| group\_id | string | 是 | 图层分组唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "group\_id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 图层对象 |
| +id | string | 图层对象唯一标识 |
| +layer\_name | string | 地图图层对象名称 |
| +group\_id | string | 图层分组唯一标识 |
| +layer\_type | string | 图层对象类型，详见[图层对象类型](#_4.1.5图层对象类型) |
| +options | object | 上图参数 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "4EAAAC6CF1903244D0590351208A1F5D",  "layer\_name": "东门停车场",  "group\_id": "2AE9500435634E446089A74814A7EE88",  "layer\_type": "polyline",  "options": {  "width": 10,  "color": 1  },  "remark": ""  }  ]  } |

### 2.14.3添加图层对象

#### 接口描述

添加图层对象

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/layer/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| layer\_name | string | 是 | 地图图层对象名称 |
| group\_id | string | 是 | 所属图层分组唯一标识 |
| layer\_type | string | 是 | 图层对象类型，详见[图层对象类型](#_4.1.5图层对象类型) |
| options | object | 是 | 上图参数 |
| remark | string | 否 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "layer\_name": "东门停车场",  "group\_id": "2AE9500435634E446089A74814A7EE88",  "layer\_type": "polyline",  "options": {  "width": 10,  "color": 1  },  "remark": ""  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 图层对象 |
| +id | string | 图层对象唯一标识 |
| +layer\_name | string | 地图图层对象名称 |
| +group\_id | string | 图层分组唯一标识 |
| +layer\_type | string | 图层对象类型，详见[图层对象类型](#_4.1.5图层对象类型) |
| +options | object | 上图参数 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "4EAAAC6CF1903244D0590351208A1F5D",  "layer\_name": "东门停车场",  "group\_id": "2AE9500435634E446089A74814A7EE88",  "layer\_type": "polyline",  "options": {  "width": 10,  "color": 1  },  "remark": ""  }  } |

### 2.14.4修改图层对象

#### 接口描述

修改图层对象

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/layer/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 图层对象唯一标识 |
| layer\_name | string | 是 | 地图图层对象名称 |
| group\_id | string | 是 | 图层分组唯一标识 |
| layer\_type | string | 是 | 图层对象类型，详见[图层对象类型](#_4.1.5图层对象类型) |
| options | object | 是 | 上图参数 |
| remark | string | 否 | 备注 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "FACB9AEBD1AA9D4776A9D171891ECEAE",  "layer\_name": "东门停车场",  "group\_id": "2AE9500435634E446089A74814A7EE88",  "layer\_type": "polyline",  "options": {  "width": 10,  "color": 1  },  "remark": ""  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 图层对象 |
| +id | string | 图层对象唯一标识 |
| +layer\_name | string | 地图图层对象名称 |
| +group\_id | string | 图层分组唯一标识 |
| +layer\_type | string | 图层对象类型，详见[图层对象类型](#_4.1.5图层对象类型) |
| +options | object | 上图参数 |
| +remark | string | 备注 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "4EAAAC6CF1903244D0590351208A1F5D",  "layer\_name": "东门停车场",  "group\_id": "2AE9500435634E446089A74814A7EE88",  "layer\_type": "polyline",  "options": {  "width": 10,  "color": 1  },  "remark": ""  }  } |

### 2.14.5删除图层对象

#### 接口描述

根据图层对象id删除图层对象信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/layer/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 图层对象唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

## 2.15网格组织机构

### 2.15.1获取网格组织结构列表

#### 接口描述

获取网格组织结构列表树结构

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /grid/region/list |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 网格组织节点列表 |
| +id | string | 网格组织机构唯一标识 |
| +pid | string | 父节点id |
| +region\_name | string | 组织机构名称 |
| +node\_type | string | 网格组织机构节点类型，详见[网格节点类型](#_4.1.7网格节点类型) |
| +position | object | shp图层定位的坐标 |
| ++longitude | number | 坐标经度 |
| ++latitude | number | 坐标纬度 |
| +indoor | string | 是否处于室内 |
| +build\_id | string | 设备所在建筑id |
| +floor\_id | string | 设备所在楼层id |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "37C0EA29E9F2A645534BB7E57E7B27E2",  "pid": "0",  "region\_name": "四号楼",  "node\_type": "group",  "position": {  "longitude": 120.137788253,  "latitude": 30.1790395439  },  "indoor": false,  "build\_id": null,  "floor\_id": null  }  ]  } |

### 2.15.2添加网格组织结构

#### 接口描述

添加网格组织结构

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /grid/region/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| region\_name | string | 是 | 组织机构名称 |
| pid | string | 是 | 父节点id，节点为根节点是pid为0 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "region\_name": "停车场",  "pid": "0"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 网格组织机构 |
| +id | string | 网格组织机构唯一标识 |
| +pid | string | 父节点id |
| +region\_name | string | 组织机构名称 |
| +node\_type | string | 网格组织机构节点类型，详见[网格节点类型](#_4.1.7网格节点类型) |
| +position | object | shp图层定位的坐标 |
| ++longitude | number | 坐标经度 |
| ++latitude | number | 坐标纬度 |
| +indoor | string | 是否处于室内 |
| +build\_id | string | 设备所在建筑id |
| +floor\_id | string | 设备所在楼层id |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "37C0EA29E9F2A645534BB7E57E7B27E2",  "pid": "0",  "region\_name": "四号楼",  "node\_type": "group",  "position": null,  "indoor": false,  "build\_id": null,  "floor\_id": null  }  } |

### 2.15.3修改网格组织结构

#### 接口描述

修改网格组织结构

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /grid/region/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 父节点id，节点为根节点是pid为0 |
| region\_name | string | 是 | 组织机构名称 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "0",  "region\_name": "停车场"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 网格组织机构 |
| +id | string | 网格组织机构唯一标识 |
| +pid | string | 父节点id |
| +region\_name | string | 组织机构名称 |
| +node\_type | string | 网格组织机构节点类型，详见[网格节点类型](#_4.1.7网格节点类型) |
| +position | object | shp图层定位的坐标 |
| ++longitude | number | 坐标经度 |
| ++latitude | number | 坐标纬度 |
| +indoor | string | 是否处于室内 |
| +build\_id | string | 设备所在建筑id |
| +floor\_id | string | 设备所在楼层id |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "37C0EA29E9F2A645534BB7E57E7B27E2",  "pid": "0",  "region\_name": "四号楼",  "node\_type": "group",  "position": null,  "indoor": false,  "build\_id": null,  "floor\_id": null  }  } |

### 2.15.4删除网格组织结构

#### 接口描述

根据网格组织机构id删除网格对象

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /grid/region/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 网格组织机构唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

### 2.15.5重置网格节点

#### 接口描述

重置网格组织机构节点，删除节点下的网格信息并修改网格节点状态

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /grid/region/reset |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 网格组织机构唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

## 2.16网格信息

### 2.16.1上传导入网格信息

#### 接口描述

导入网格SHP数据

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /grid/info/upload |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| region\_id | string | 是 | 网格组织机构唯一标识 |
| indoor | bool | 是 | 是否处于室内 |
| build\_id | string | 否 | 网格所在建筑id |
| floor\_id | string | 否 | 网格所在楼层id |
| grid\_style | object | 否 | 网格数据样式 |
| shp | file | 是 | 网格数据shp文件 |
| dbf | file | 是 | 网格数据dbf文件 |
| 备注 | SHP文件与DBF文件均为网格数据文件，上传时需要同时上传 | | |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "region\_id": "东门停车场",  "indoor": true,  "build\_id": "61286E5A30D8AB0B2A4F830DF88ADF9F",  "floor\_id": "86DF8BF8AD0826A4950DEA3B0A1F83F2",  "grid\_style": {  "width": 10,  "color": 1  }  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 网格信息 |
| +id | string | 网格信息唯一标识 |
| +grid\_name | string | 定义网格名称 |
| +region\_id | string | 所属网格组织机构 |
| +indoor | string | 是否处于室内 |
| +build\_id | object | 网格所在建筑id |
| +floor\_id | string | 网格所在楼层id |
| +position | object | 定位坐标 |
| ++longitude | number | 坐标经度 |
| ++latitude | number | 坐标纬度 |
| +grid\_style | string | 网格数据样式 |
| +geom | geometry | 几何数据，详见[Geometry类型](#_4.1.6_Geometry类型) |
| ++type | string | 图形类型 |
| ++coordinates | array | 坐标几何图形坐标 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "D40DB275B910B8487CB883D50790E3EE",  "grid\_name": "室外区块05",  "region\_id": "5F530004DDB2644E2318A909FA3C744F",  "indoor": false,  "build\_id": null,  "floor\_id": null,  "position": {  "longitude": 120.139921109,  "latitude": 30.1817638729  },  "grid\_style": null,  "geom": {  "type": "Polygon",  "coordinates": [  [  [  120.13749343600011,  30.183202248000043  ],  [  120.13778929900002,  30.18242015900006  ],  [  120.13749343600011,  30.183202248000043  ]  ]  ]  }  }  ]  } |

### 2.16.2获取网格信息列表

#### 接口描述

条件查询获取网格信息列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /grid/info/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| grid\_name | string | 否 | 定义网格名称 |
| indoor | string | 否 | 是否处于室内 |
| build\_id | string | 否 | 网格所在建筑id |
| floor\_id | string | 否 | 网格所在楼层id |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "grid\_name": "东门停车场",  "indoor": true,  "build\_id": "61286E5A30D8AB0B2A4F830DF88ADF9F",  "floor\_id": "86DF8BF8AD0826A4950DEA3B0A1F83F2"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 网格信息 |
| +id | string | 网格信息唯一标识 |
| +grid\_name | string | 定义网格名称 |
| +region\_id | string | 所属网格组织机构 |
| +indoor | string | 是否处于室内 |
| +build\_id | object | 网格所在建筑id |
| +floor\_id | string | 网格所在楼层id |
| +position | object | 定位坐标 |
| ++longitude | number | 坐标经度 |
| ++latitude | number | 坐标纬度 |
| +grid\_style | object | 网格数据样式 |
| +geom | geometry | 几何数据，详见[Geometry类型](#_4.1.6_Geometry类型) |
| ++type | string | 图形类型 |
| ++coordinates | array | 坐标几何图形坐标 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "D40DB275B910B8487CB883D50790E3EE",  "grid\_name": "室外区块05",  "region\_id": "5F530004DDB2644E2318A909FA3C744F",  "indoor": false,  "build\_id": null,  "floor\_id": null,  "position": {  "longitude": 120.139921109,  "latitude": 30.1817638729  },  "grid\_style": null,  "geom": {  "type": "Polygon",  "coordinates": [  [  [  120.13749343600011,  30.183202248000043  ],  [  120.13778929900002,  30.18242015900006  ],  [  120.13749343600011,  30.183202248000043  ]  ]  ]  }  }  ]  } |

### 2.16.3修改网格信息

#### 接口描述

修改网格信息属性

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /grid/info/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| grid\_name | string | 是 | 定义网格名称 |
| grid\_style | object | 是 | 网格数据样式 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "grid\_name": "东门停车场",  "grid\_style ": null  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 网格信息 |
| +id | string | 网格信息唯一标识 |
| +grid\_name | string | 定义网格名称 |
| +region\_id | string | 所属网格组织机构 |
| +indoor | string | 是否处于室内 |
| +build\_id | object | 网格所在建筑id |
| +floor\_id | string | 网格所在楼层id |
| +position | object | 定位坐标 |
| ++longitude | number | 坐标经度 |
| ++latitude | number | 坐标纬度 |
| +grid\_style | string | 网格数据样式 |
| +geom | geometry | 几何数据，详见[Geometry类型](#_4.1.6_Geometry类型) |
| ++type | string | 图形类型 |
| ++coordinates | array | 坐标几何图形坐标 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "D40DB275B910B8487CB883D50790E3EE",  "grid\_name": "室外区块05",  "region\_id": "5F530004DDB2644E2318A909FA3C744F",  "indoor": false,  "build\_id": null,  "floor\_id": null,  "position": {  "longitude": 120.139921109,  "latitude": 30.1817638729  },  "grid\_style": null,  "geom": {  "type": "Polygon",  "coordinates": [  [  [  120.13749343600011,  30.183202248000043  ],  [  120.13778929900002,  30.18242015900006  ],  [  120.13749343600011,  30.183202248000043  ]  ]  ]  }  }  } |

## 2.17事件信息

### 2.17.1接收事件信息

#### 接口描述

事件信息接收接口，用来对接第三方设备的报警信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /event/info/accept |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| event\_id | string | 是 | 设备发生的事件id |
| event\_type | string | 是 | 告警事件类型id |
| status | number | 是 | 发生事件的状态，详见[事件状态](#_4.1.8事件状态) |
| start\_time | datetime | 是 | 事件发生时间 |
| stop\_time | datetime | 否 | 事件结束时间 |
| event\_name | string | 否 | 事件名称 |
| device\_code | string | 是 | 发生报警的前端设备编码 |
| device\_name | string | 是 | 发生报警的前端设备名称 |
| ext\_info | object | 否 | 报警消息结构体定义解析 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "event\_id": "1DE461E69EF724429F0F743E12EC3F6D",  "event\_type": "94A00A85F65AF04AB4B8AE08432A9A54",  "status": 0,  "start\_time": "2020-03-26 20:54:07",  "stop\_time": "2020-03-26 20:54:07",  "event\_name": "3球场\_区域入侵",  "device\_code": "07c90ec35fb94b88b6ded3b01c9bfd04",  "device\_name": "3球场",  "ext\_info": {  "method": "OnEventNotify",  "params": {  "ability": "event\_face\_recognition",  "events": [  {  "eventId": "80e51ca2-931f-4e97-ac9c-d66e751114d8",  "eventType": 1644175361,  "happenTime": "2019-08-14T20:55:09.000+08:00",  "srcIndex": "8fb82557b587479e8013ab9279319dd6",  "srcName": "123",  "srcType": "facegroup",  "status": 0,  "timeout": 0  }  ],  "sendTime": "2019-08-14T20:55:16.000+08:00"  }  }  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 响应信息 |
| +event\_type | object | 事件类型信息 |
| ++id | string | 事件类型唯一标识 |
| ++event\_name | string | 事件类型名称 |
| ++event\_level | number | 事件等级，详见[事件等级](#_4.1.4事件等级) |
| ++category\_id | string | 设备所属的类别 |
| ++push\_data | bool | 是推送数据到前端 |
| ++link\_info | bool | 是否联动报警信息 |
| ++alarm\_event | bool | 是否为报警事件 |
| ++write\_log | bool | 是否写入日志 |
| ++enable | bool | 是否启用该报警类型 |
| ++remark | string | 备注 |
| +device\_info | object | 告警设备信息 |
| ++id | string | 设备唯一标识 |
| ++category\_id | string | 所属设备类别id |
| ++category\_name | string | 所属设备类别名称 |
| ++type\_id | string | 所属设备类型 |
| ++type\_name | string | 所属设备类型名称 |
| ++region\_id | string | 设备所在的组织机构id |
| ++device\_code | string | 设备唯一编码 |
| ++device\_name | string | 设备名称 |
| ++indoor | bool | 是否处于室内 |
| ++build\_id | string | 设备所在建筑id |
| ++floor\_id | string | 设备所在楼层id |
| ++center | object | 定位到设备的坐标 |
| ++options | object | 设备上图参数 |
| +++type | string | 上图模式，详见[上图模式](#_4.1.2上图模式) |
| +++style | object | 上图参数，详见[上图参数](#_4.1.3上图参数) |
| ++detail\_info | object | 设备详情信息 |
| ++on\_map | bool | 设备是否上图 |
| +event\_info | object | 告警事件信息 |
| ++event\_id | string | 设备发生的事件id |
| ++event\_type | string | 告警事件类型id |
| ++event\_type\_name | string | 告警事件类型名称 |
| ++status | number | 发生事件的状态，详见[事件状态](#_4.1.8事件状态) |
| ++start\_time | datetime | 事件发生时间 |
| ++stop\_time | datetime | 事件结束时间 |
| ++event\_level | number | 事件等级，详见[事件等级](#_4.1.4事件等级) |
| ++event\_name | string | 事件名称 |
| ++device\_category | string | 所属设备类别id |
| ++device\_category\_name | string | 所属设备类别名称 |
| ++device\_type | string | 所属设备类型 |
| ++device\_type\_name | string | 所属设备类型名称 |
| ++device\_code | string | 发生报警的前端设备编码 |
| ++device\_name | string | 发生报警的前端设备名称 |
| ++ext\_info | object | 报警消息结构体定义解析 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "event\_type": {  "id": "94A00A85F65AF04AB4B8AE08432A9A54",  "event\_name": "区域入侵",  "event\_level": 2,  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "push\_data": true,  "link\_info": true,  "alarm\_event": true,  "write\_log": true,  "enable": true,  "remark": null  },  "device\_info": {  "id": "636df8547e1a4cae86d4e48931a0cbb7",  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "type\_id": null,  "type\_name": null,  "region\_id": "12\_19242F0F746DDE464239EF7ECE11E63F",  "device\_type": "枪机",  "device\_code": "07c90ec35fb94b88b6ded3b01c9bfd04",  "device\_name": "3球场",  "indoor": false,  "build\_id": null,  "floor\_id": null,  "geom": null,  "center": null,  "options": null,  "detail\_info": {  "altitude": null,  "cameraIndexCode": "61f8bd84af1c437eaa09d3989839f321",  "cameraName": "5F走廊东",  "cameraType": 0,  "cameraTypeName": "枪机",  "status": null,  "viewshed": null,  "updateTime": "2019-08-14T17:14:51.747+08:00"  },  "on\_map": false  },  "event\_info": {  "event\_id": "1DE461E69EF7240ECE11E63F",  "event\_type": "94A00A85F65AF04AB4B8AE08432A9A54",  "event\_type\_name": "区域入侵",  "status": 0,  "start\_time": "2020-03-26 20:54:07",  "stop\_time": "2020-03-26 20:54:07",  "event\_level": 2,  "event\_name": "3球场\_区域入侵",  "device\_category": "19242F0F746DDE464239EF7ECE11E63F",  "device\_category\_name": "摄像头",  "device\_type": null,  "device\_type\_name": null,  "device\_code": "07c90ec35fb94b88b6ded3b01c9bfd04",  "device\_name": "3球场",  "ext\_info": {  "method": "OnEventNotify",  "params": {  "ability": "event\_face\_recognition",  "events": [  {  "eventId": "80e51ca2-931f-4e97-ac9c-d66e751114d8",  "eventType": 1644175361,  "happenTime": "2019-08-14T20:55:09.000+08:00",  "srcIndex": "8fb82557b587479e8013ab9279319dd6",  "srcName": "123",  "srcType": "facegroup",  "status": 0,  "timeout": 0  }  ],  "sendTime": "2019-08-14T20:55:16.000+08:00"  }  }  }  }  } |

### 2.17.2获取事件信息列表

#### 接口描述

条件查询获取事件信息列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /event/info/list |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| event\_type | string | 否 | 告警事件类型id |
| start\_time | datetime | 否 | 起始时间，时间格式：yyyy-MM-dd HH:mm:ss |
| stop\_time | datetime | 否 | 结束时间，时间格式：yyyy-MM-dd HH:mm:ss |
| event\_level | number | 否 | 事件等级，详见[事件等级](#_4.1.4事件等级) |
| event\_name | string | 否 | 事件名称 |
| device\_category | string | 否 | 所属设备类别id |
| device\_type | string | 否 | 所属设备类型id |
| device\_name | string | 否 | 发生报警的前端设备名称 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "event\_type": "94A00A85F65AF04AB4B8AE08432A9A54",  "start\_time": "2020-03-26 20:54:07",  "stop\_time": "2020-03-26 20:54:07",  "event\_level": 1,  "event\_name": "3球场\_区域入侵",  "device\_category": "07c90ec35fb94b88b6ded3b01c9bfd04",  "device\_type": "07c90ec35fb94b88b6ded3b01c9bfd04",  "device\_name": "3球场"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 事件信息 |
| +id | string | 唯一标识一次发生的事件 |
| +event\_id | string | 设备发生的事件id |
| +event\_type | string | 告警事件类型id |
| +event\_type\_name | string | 告警事件类型名称 |
| +status | number | 发生事件的状态，详见[事件状态](#_4.1.8事件状态) |
| +start\_time | datetime | 事件发生时间 |
| +stop\_time | datetime | 事件结束时间 |
| +event\_level | number | 事件等级，详见[事件等级](#_4.1.4事件等级) |
| +event\_name | string | 事件名称 |
| +device\_category | string | 所属设备类别id |
| +device\_category\_name | string | 所属设备类别名称 |
| +device\_type | string | 所属设备类型 |
| +device\_type\_name | string | 所属设备类型名称 |
| +device\_code | string | 发生报警的前端设备编码 |
| +device\_name | string | 发生报警的前端设备名称 |
| +ext\_info | object | 报警消息结构体定义解析 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "event\_id": "1DE461E69EF7240ECE11E63F",  "event\_type": "94A00A85F65AF04AB4B8AE08432A9A54",  "event\_type\_name": "区域入侵",  "status": 0,  "start\_time": "2020-03-26 20:54:07",  "stop\_time": "2020-03-26 20:54:07",  "event\_level": 2,  "event\_name": "3球场\_区域入侵",  "device\_category": "19242F0F746DDE464239EF7ECE11E63F",  "device\_category\_name": "摄像头",  "device\_type": null,  "device\_type\_name": null,  "device\_code": "07c90ec35fb94b88b6ded3b01c9bfd04",  "device\_name": "3球场",  "ext\_info": {  "method": "OnEventNotify",  "params": {  "ability": "event\_face\_recognition",  "events": [  {  "eventId": "80e51ca2-931f-4e97-ac9c-d66e751114d8",  "eventType": 1644175361,  "happenTime": "2019-08-14T20:55:09.000+08:00",  "srcIndex": "8fb82557b587479e8013ab9279319dd6",  "srcName": "123",  "srcType": "facegroup",  "status": 0,  "timeout": 0  }  ],  "sendTime": "2019-08-14T20:55:16.000+08:00"  }  }  }  } |

### 2.17.3根据设备类别获取当天报警数量

#### 接口描述

根据设备类别分类获取当天报警数量

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /event/info/countTodayForCategory |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 设备报警信息 |
| +category\_id | string | 设备类别id |
| +count | string | 设备数量 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "90AE016847993B4B971A2D7B319B3C90",  "count": "0"  },  {  "id": "E64B35525E6F9845D2D9AC2986485C11",  "count": "0"  },  {  "id": "19242F0F746DDE464239EF7ECE11E63F",  "count": "10"  }  ]  } |

### 2.17.4根据天数获取报警统计

#### 接口描述

根据天数获取报警数量统计信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /event/info/statisticsForDay |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| day | number | 是 | 区间天数，当天为0 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  " day": 0  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 报警统计信息 |
| +date | string | 日期 |
| +count | string | 报警数量 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "date": "2020-03-25",  "count": "12"  },  {  "date": "2020-03-26",  "count": "10"  }  ]  } |

## 2.18地形开挖

### 2.18.1获取地形开挖列表

#### 接口描述

获取地形开挖列表

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/modify/list |
| 请求方法 | GET |
| 数据提交方式 | application/json |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 地形开挖列表 |
| +id | string | 地形开挖唯一标识 |
| +modify\_name | string | 地形开挖数据名称 |
| +options | object | 上图参数 |
| ++depth | number | 深度 |
| ++coordinates | object[] | 坐标集合 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "56A748A3673CEE4BD62972C4BBA8C534",  "modify\_name": "园区地下",  "options": {  "depth": 10,  "coordinates": [  {  "x": 119.13145613,  "y": 119.13145613  },  {  "x": 119.13145613,  "y": 119.13145613  }  ]  }  }  ]  } |

### 2.18.2添加地形开挖

#### 接口描述

添加地形开挖

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/modify/add |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| modify\_name | string | 是 | 地形开挖数据名称 |
| options | object | 是 | 上图参数 |
| +depth | number | 是 | 深度 |
| +coordinates | object[] | 是 | 坐标集合 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "56A748A3673CEE4BD62972C4BBA8C534",  "modify\_name": "园区地下",  "options": {  "depth": 10,  "coordinates": [  {  "x": 119.13145613,  "y": 119.13145613  },  {  "x": 119.13145613,  "y": 119.13145613  }  ]  }  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 地形开挖对象 |
| +id | string | 地形开挖唯一标识 |
| +modify\_name | string | 地形开挖数据名称 |
| +options | object | 上图参数 |
| ++depth | number | 深度 |
| ++coordinates | object[] | 坐标集合 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "56A748A3673CEE4BD62972C4BBA8C534",  "modify\_name": "园区地下",  "options": {  "depth": 10,  "coordinates": [  {  "x": 119.13145613,  "y": 119.13145613  },  {  "x": 119.13145613,  "y": 119.13145613  }  ]  }  }  } |

### 2.18.3修改地形开挖

#### 接口描述

修改地图标注

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/modify/update |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 地形开挖唯一标识 |
| modify\_name | string | 是 | 地形开挖数据名称 |
| options | object | 是 | 上图参数 |
| +depth | number | 是 | 深度 |
| +coordinates | object[] | 是 | 坐标集合 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "56A748A3673CEE4BD62972C4BBA8C534",  "modify\_name": "园区地下",  "options": {  "depth": 10,  "coordinates": [  {  "x": 119.13145613,  "y": 119.13145613  },  {  "x": 119.13145613,  "y": 119.13145613  }  ]  }  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object | 地形开挖对象 |
| +id | string | 地形开挖唯一标识 |
| +modify\_name | string | 地形开挖数据名称 |
| +options | object | 上图参数 |
| ++depth | number | 深度 |
| ++coordinates | object[] | 坐标集合 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "id": "56A748A3673CEE4BD62972C4BBA8C534",  "modify\_name": "园区地下",  "options": {  "depth": 10,  "coordinates": [  {  "x": 119.13145613,  "y": 119.13145613  },  {  "x": 119.13145613,  "y": 119.13145613  }  ]  }  }  } |

### 2.18.4删除地形开挖

#### 接口描述

根据地形开挖id添加地形开挖数据

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /map/modify/delete |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用参数

|  |  |  |  |
| --- | --- | --- | --- |
| **参数名称** | **数据类型** | **是否必须** | **参数描述** |
| id | string | 是 | 地形开挖唯一标识 |

#### 调用参数示例

|  |
| --- |
| **JSON** |
| {  "id": "DF88ADF95A30DA4F8308AB0B261286EF"  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | number | 影响行数 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

## 2.20搜索

### 2.20.1搜索所有的数据信息

#### 接口描述

获取需要查询的数据信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /business/globalSearch |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用说明

|  |  |  |
| --- | --- | --- |
| 参数名称 | 数据类型 | 参数描述 |
| Name | String | 需要查询的信息 |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |
| Type | string | 标识是什么表里做的查询 |
| List | Object[] | 对应标识表里的数据 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "type": "device\_info",  "list": [  {  "id": "1c0d4e79c71c40e1989d54d457e14164\_19242F0F746DDE464239EF7ECE11E63F",  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "type\_id": "B88458DECFE22140B0F880EA2C49BB27",  "type\_name": "枪机",  "region\_id": "12\_19242F0F746DDE464239EF7ECE11E63F",  "device\_type": "枪机",  "device\_code": "f7538699cea248d2be9088fd77c4bb5e",  "device\_name": "6北出",  "indoor": false,  "build\_id": "",  "floor\_id": "",  "geom": {  "type": "Point",  "coordinates": [  120.137638,  30.182829  ]  },  "center": {  "x": 120.137628,  "y": 30.182797,  "z": 58.73,  "h": 6.27,  "p": -1.4520153993,  "r": 6.28  },  "options": {  "geom": {  "type": "Point",  "coordinates": [  120.137638,  30.182829  ]  },  "position": {  "x": 120.137641,  "y": 30.182828,  "z": 14.3,  "heading": 8.8692462,  "pitch": 0,  "roll": 0  },  "scale": 2,  "url": "$serverURL$/gltf/WBZQJ.gltf",  "visible": true  }, ]  } |

**2.21巡逻路线**

* **2.21.1****获取巡逻路线列表**

**接口描述**

获取所有的巡逻路线列表

**调用说明**

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /patrol/line/list |
| 请求方法 | GET |
| 数据提交方式 | application/json |

**返回参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| Data | object[] | 查询出来的信息总集 |

**返回参数示例**

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "1",  "line\_name": "112",  "indoor": true,  "build\_id": "4",  "floor\_id": "5",  "remark": "6"  }  ]  } |

* **2.21.2** **根据路线编号获取分段与巡逻相机**

**接口描述**

根据路线编号获取分段与巡逻相机

**调用说明**

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /patrol/line/alllist |
| 请求方法 | post |
| 数据提交方式 | application/json |

**调用说明**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| id | string | 需要查询路线的id |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  " id ": "1"  } |

**返回参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |
| patrol\_line | object[] | 查询出当前路线的信息 |
| patrol\_line\_subsection | Object[] | 当前路线有多少分段 |
| patrol\_camera | Object[] | 当前分段有多少相机 |

**返回参数示例**

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "patrol\_line": [  {  "id": "1",  "line\_name": "112",  "indoor": true,  "build\_id": "4",  "floor\_id": "5",  "remark": "6"  }  ]  },  {  "patrol\_line\_subsection": [  {  "id": "802CC217F7C9E44530495DF1846373BA",  "line\_id": "1",  "options": {  "X": "123"  },  "buffer": 1  }  ]  },  {  "patrol\_camera": [  {  "id": "6A7E22904AB0DF4154F8D87975359AF2",  "subsection\_id": "802CC217F7C9E44530495DF1846373BA",  "camera\_name": "zz",  "camera\_code": "123",  "key": true,  "order": 3  },  {  "id": "D7696F6B66D7BA47D888BD848C0F234A",  "subsection\_id": "802CC217F7C9E44530495DF1846373BA",  "camera\_name": "zz",  "camera\_code": "123",  "key": true,  "order": 3  },  {  "id": "55746F48AEA3E04BC4F87184E21B1F58",  "subsection\_id": "802CC217F7C9E44530495DF1846373BA",  "camera\_name": "zz",  "camera\_code": "123",  "key": true,  "order": 3  }  ]  }  ]  } |

* **2.21.3** **删除巡逻路线**

**接口描述**

删除巡逻路线

**调用说明**

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /patrol/line/destroy |
| 请求方法 | post |
| 数据提交方式 | application/json |

**调用参数s**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| id | string | 需要删除路线的id |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  " id ": "1"  } |

**返回参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |

**返回参数示例**

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 1  } |

* **2.21.4** **修改巡逻路线**

**接口描述**

修改巡逻路线

**调用说明**

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /patrol/line/update |
| 请求方法 | post |
| 数据提交方式 | application/json |

**调用参数s**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| id | String | 需要修改的巡逻路线ID |
| line\_name | String | 需要修改路线的名称 |
| remark | string | 备注 |
| patrol\_line\_subsection | Object[] | 分段集合 |
| options | Object[] | 分段线参数 |
| buffer | int2 | 缓冲区宽度 |
| patrol\_camera | Object[] | 相机集合 |
| camera\_name | String | 相机名称 |
| camera\_code | String | 相机编号 |
| key | bool | 相机是否为重点相机 |
| order | int2 | 相机顺序 |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  "id":"15B5E5AAB65CB1462528F53B986D8FA6",  "line\_name": "巡逻路线1",  "patrol\_line\_subsection": {  "options": {"X":"12" },  "buffer": "12",  "patrol\_camera": [  {  "camera\_code": "123",  "camera\_name": "相机1",  "key": "true",  "order": "3"  },  {  "camera\_code": "123",  "camera\_name": "相机2",  "key": "true",  "order": "3"  },  {  "camera\_code": "123",  "camera\_name": "相机3",  "key": "true",  "order": "3"  }  ]  }  } |

**返回参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 更新上的数据集合 |

**返回参数示例**

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "1A674990B172AA4D19E8805BF8D8ED37",  "subsection\_id": "0A42E863EB5F7F44A268D7578E65703E",  "camera\_name": "相机1",  "camera\_code": "123",  "key": true,  "order": 3  },  {  "id": "A5BE34A476E7E3466D099440247315E6",  "subsection\_id": "0A42E863EB5F7F44A268D7578E65703E",  "camera\_name": "相机2",  "camera\_code": "123",  "key": true,  "order": 3  },  {  "id": "EFC41B4BC45D5D48F9293A2975B5ED70",  "subsection\_id": "0A42E863EB5F7F44A268D7578E65703E",  "camera\_name": "相机3",  "camera\_code": "123",  "key": true,  "order": 3  }  ]  } |

* **2.21.5** **添加巡逻路线、分段、巡逻相机接口描述**

增加巡逻路线

**调用说明**

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /patrol/line/add |
| 请求方法 | post |
| 数据提交方式 | application/json |

**调用参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| line\_name | String | 需要修改路线的名称 |
| indoor | Bool | 是否是室内 |
| Build\_id | string | 设备所在建筑id |
| floor\_id | string | 设备所在楼层id |
| remark | string | 备注 |
| patrol\_line\_subsection | Object[] | 分段集合 |
| options | Object[] | 分段线参数 |
| buffer | int2 | 缓冲区宽度 |
| patrol\_camera | Object[] | 相机集合 |
| camera\_name | String | 相机名称 |
| camera\_code | String | 相机编号 |
| key | bool | 相机是否为重点相机 |
| enable | bool | 是否启用相机 |
| order | int2 | 相机顺序 |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  "line\_name": "112",  "indoor": "true",  “build\_id”:”1”,  “floor\_id”:”2”,  “remark”:”巡逻1”  "patrol\_line\_subsection": {  "options": { },  "buffer": "1",  "patrol\_camera": [  {  "camera\_code": "123",  "camera\_name": "zz",  "key": "true",  “enable”:”true”,  "order": "3"  },  {  "camera\_code": "123",  "camera\_name": "zz",  "key": "true",  “nable”:”true”,  "order": "3"  },  {  "camera\_code": "123",  "camera\_name": "zz",  "key": "true",  “snable”:”true”,  "order": "3"  }  ]  }  } |

**返回参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |

**返回参数示例**

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "47FB9FE9603A8E4D04380921B5580C21",  "subsection\_id": "B56E4833458FF341B038AFFCF17C48D6",  "camera\_name": "zz",  "camera\_code": "123",  "key": true,  "order": 3  },  {  "id": "36B56BFD83340F44F48865DC916C0816",  "subsection\_id": "B56E4833458FF341B038AFFCF17C48D6",  "camera\_name": "zz",  "camera\_code": "123",  "key": true,  "order": 3  },  {  "id": "9ADAC49B6170BF4E95E8A8183EB69178",  "subsection\_id": "B56E4833458FF341B038AFFCF17C48D6",  "camera\_name": "zz",  "camera\_code": "123",  "key": true,  "order": 3  }  ]  } |

**2.22 空间计算**

### 2.22.1空间计算相机列表

#### 接口描述

查询所有在可视区域内的相机信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /business/selectCamera |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用说明

|  |  |  |
| --- | --- | --- |
| 参数名称 | 数据类型 | 参数描述 |
| positions | Object[] | 巡逻路线的坐标 |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "subsection\_options": [  {  "index": 0,  "noodles": [  [  120.13904915123078,  30.17944402670079,  120.13966829519015,  30.182615568349462,  120.13953049460761,  30.17932646983286,  120.14014558446999,  30.1824861385622  ],  [  120.13904915123078,  30.17944402670079,  120.13966829519015,  30.182615568349462,  120.13856780671107,  30.179561581800453,  120.13919100466242,  30.18274499639752  ]  ],  "line": [  120.13904915123078,  30.17944402670079,  120.13966829519015,  30.182615568349462  ]  }  ],  "patrol\_camera": [  {  "id": "70cb9c6a5f0848719882e40d1b6f7047\_19242F0F746DDE464239EF7ECE11E63F",  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "type\_id": "4778674014C5354BD86B27EEA09695B0",  "type\_name": "球机",  "region\_id": "2\_19242F0F746DDE464239EF7ECE11E63F",  "device\_type": "枪机",  "device\_code": "6df59e4acb384c698efc0cc0fed6b8d1",  "device\_name": "26一号楼一层走廊西",  "indoor": true,  "build\_id": "nn211",  "floor\_id": "nyF112",  "geom": {  "type": "Point",  "coordinates": [  120.139646,  30.180811  ]  },  "center": {  "x": 120.139556,  "y": 30.183607,  "z": 244.09,  "h": 2.85,  "p": -0.7099392667,  "r": 0  },  "options": {  "geom": {  "type": "Point",  "coordinates": [  120.139646,  30.180811  ]  },  "position": {  "x": 120.139646,  "y": 30.180811,  "z": -30,  "heading": -10.68156361,  "pitch": 0,  "roll": 0  },  "scale": 100,  "url": "../model/gltf/WBZDQJ.gltf",  "visible": true  },  "detail\_info": {  "altitude": null,  "cameraIndexCode": "61f8bd84af1c437eaa09d3989839f321",  "cameraName": "5F走廊东",  "cameraType": 0,  "cameraTypeName": "枪机",  "capabilitySet": "event\_audio,io,event\_face,event\_veh\_compare,event\_veh,event\_veh\_recognition,event\_ias,face,event\_heat,drawFrameInPlayBack,record,vss,ptz,event\_io,net,maintenance,event\_device,status,PlayConvert",  "capabilitySetName": null,  "intelligentSet": null,  "intelligentSetName": null,  "channelNo": "11",  "channelType": "digital",  "channelTypeName": "数字通道",  "createTime": "2019-08-14T17:12:50.303+08:00",  "encodeDevIndexCode": "135a818961ff4917b246ec049aaa0d3c",  "encodeDevResourceType": null,  "encodeDevResourceTypeName": null,  "gbIndexCode": null,  "installLocation": null,  "keyBoardCode": null,  "latitude": null,  "longitude": null,  "pixel": null,  "ptz": null,  "ptzName": null,  "ptzController": null,  "ptzControllerName": null,  "recordLocation": null,  "recordLocationName": null,  "regionIndexCode": "50ec37bd-b146-45ee-a6e8-dcc328d5e5e7",  "status": null,  "statusName": null,  "transType": 1,  "transTypeName": "TCP",  "treatyType": null,  "treatyTypeName": null,  "viewshed": null,  "updateTime": "2019-08-14T17:14:51.747+08:00"  },  "on\_map": true,  "order\_num": 12  },  {  "id": "64cbe8cfd2b946629b751e7d835b83b0\_19242F0F746DDE464239EF7ECE11E63F",  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "type\_id": "B88458DECFE22140B0F880EA2C49BB27",  "type\_name": "枪机",  "region\_id": "3\_19242F0F746DDE464239EF7ECE11E63F",  "device\_type": "枪机",  "device\_code": "f61d85be8f824eb09267599c034d7477",  "device\_name": "27一号楼二层大厅",  "indoor": true,  "build\_id": "-1",  "floor\_id": "nyB14",  "geom": {  "type": "Point",  "coordinates": [  120.139618,  30.180252  ]  },  "center": {  "x": 120.139353,  "y": 30.180814,  "z": 64.52,  "h": 2.47,  "p": -0.7491382937,  "r": 0  },  "options": {  "geom": {  "type": "Point",  "coordinates": [  120.139618,  30.180252  ]  },  "position": {  "x": 120.139618,  "y": 30.180252,  "z": -30,  "heading": 2.46807159,  "pitch": 0,  "roll": 0  },  "scale": 2,  "url": "../model/gltf/WBZQJ.gltf",  "visible": true  },  "detail\_info": {  "altitude": null,  "cameraIndexCode": "61f8bd84af1c437eaa09d3989839f321",  "cameraName": "5F走廊东",  "cameraType": 0,  "cameraTypeName": "枪机",  "capabilitySet": "event\_audio,io,event\_face,event\_veh\_compare,event\_veh,event\_veh\_recognition,event\_ias,face,event\_heat,drawFrameInPlayBack,record,vss,ptz,event\_io,net,maintenance,event\_device,status,PlayConvert",  "capabilitySetName": null,  "intelligentSet": null,  "intelligentSetName": null,  "channelNo": "11",  "channelType": "digital",  "channelTypeName": "数字通道",  "createTime": "2019-08-14T17:12:50.303+08:00",  "encodeDevIndexCode": "135a818961ff4917b246ec049aaa0d3c",  "encodeDevResourceType": null,  "encodeDevResourceTypeName": null,  "gbIndexCode": null,  "installLocation": null,  "keyBoardCode": null,  "latitude": null,  "longitude": null,  "pixel": null,  "ptz": null,  "ptzName": null,  "ptzController": null,  "ptzControllerName": null,  "recordLocation": null,  "recordLocationName": null,  "regionIndexCode": "50ec37bd-b146-45ee-a6e8-dcc328d5e5e7",  "status": null,  "statusName": null,  "transType": 1,  "transTypeName": "TCP",  "treatyType": null,  "treatyTypeName": null,  "viewshed": null,  "updateTime": "2019-08-14T17:14:51.747+08:00"  },  "on\_map": true,  "order\_num": 13  }  ]  },  {  "subsection\_options": [  {  "index": 1,  "noodles": [  [  120.13966829519015,  30.182615568349462,  120.137503733935,  30.182493977713442,  120.13753029943064,  30.18206020040326,  120.13969440070605,  30.18218177050221  ],  [  120.13966829519015,  30.182615568349462,  120.137503733935,  30.182493977713442,  120.13747716820659,  30.182927754989525,  120.13964218944551,  30.183049366162795  ]  ],  "line": [  120.13966829519015,  30.182615568349462,  120.137503733935,  30.182493977713442  ]  }  ],  "patrol\_camera": [  {  "id": "1c0d4e79c71c40e1989d54d457e14164\_19242F0F746DDE464239EF7ECE11E63F",  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "type\_id": "B88458DECFE22140B0F880EA2C49BB27",  "type\_name": "枪机",  "region\_id": "12\_19242F0F746DDE464239EF7ECE11E63F",  "device\_type": "枪机",  "device\_code": "f7538699cea248d2be9088fd77c4bb5e",  "device\_name": "6北出",  "indoor": false,  "build\_id": "",  "floor\_id": "",  "geom": "0101000000F52B9D0FCF085E40A9C29FE1CD2E3E40",  "center": {  "x": 120.137628,  "y": 30.182797,  "z": 58.73,  "h": 6.27,  "p": -1.4520153993,  "r": 6.28  },  "options": {  "geom": {  "type": "Point",  "coordinates": [  120.137638,  30.182829  ]  },  "position": {  "x": 120.137641,  "y": 30.182828,  "z": 14.3,  "heading": 8.8692462,  "pitch": 0,  "roll": 0  },  "scale": 2,  "url": "$serverURL$/gltf/WBZQJ.gltf",  "visible": true  },  "detail\_info": {  "altitude": null,  "cameraIndexCode": "61f8bd84af1c437eaa09d3989839f321",  "cameraName": "5F走廊东",  "cameraType": 0,  "cameraTypeName": "枪机",  "capabilitySet": "event\_audio,io,event\_face,event\_veh\_compare,event\_veh,event\_veh\_recognition,event\_ias,face,event\_heat,drawFrameInPlayBack,record,vss,ptz,event\_io,net,maintenance,event\_device,status,PlayConvert",  "capabilitySetName": null,  "intelligentSet": null,  "intelligentSetName": null,  "channelNo": "11",  "channelType": "digital",  "channelTypeName": "数字通道",  "createTime": "2019-08-14T17:12:50.303+08:00",  "encodeDevIndexCode": "135a818961ff4917b246ec049aaa0d3c",  "encodeDevResourceType": null,  "encodeDevResourceTypeName": null,  "gbIndexCode": null,  "installLocation": null,  "keyBoardCode": null,  "latitude": null,  "longitude": null,  "pixel": null,  "ptz": null,  "ptzName": null,  "ptzController": null,  "ptzControllerName": null,  "recordLocation": null,  "recordLocationName": null,  "regionIndexCode": "50ec37bd-b146-45ee-a6e8-dcc328d5e5e7",  "status": null,  "statusName": null,  "transType": 1,  "transTypeName": "TCP",  "treatyType": null,  "treatyTypeName": null,  "viewshed": null,  "updateTime": "2019-08-14T17:14:51.747+08:00"  },  "on\_map": true,  "order\_num": 2  }  ]  }  ]  } |

**2.23 巡逻预案**

### 2.23.1 查询巡逻预案

**接口描述**

获取所有的巡逻预案列表

**调用说明**

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /patrol/plan/list |
| 请求方法 | GET |
| 数据提交方式 | application/json |

**返回参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| Data | object[] | 查询出来的信息总集 |

**返回参数示例**

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "B2D45EDC6F51FB4AFC38388E7D653D9D",  "plan\_name": "合并的",  "remark": null  },  {  "id": "B7569E659BC5FF427278B0DF57CE68F6",  "plan\_name": "室内外合并",  "remark": null  },  {  "id": "CE1690DAF5EA0345E8FB4CB9076A45FA",  "plan\_name": "1号楼合并",  "remark": null  }  ]  } |

### 2.23.2 查询巡逻预案信息

**接口描述**

根据路线编号获取巡逻预案信息

**调用说明**

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /patrol/plan/list |
| 请求方法 | post |
| 数据提交方式 | application/json |

**调用说明**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| plan\_id | string | 需要查询预案的id |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  "plan\_id":"B2D45EDC6F51FB4AFC38388E7D653D9D"  } |

**返回参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |
| patrol\_line | object[] | 查询出当前路线的信息 |
| patrol\_line\_subsection | Object[] | 当前路线有多少分段 |
| patrol\_camera | Object[] | 当前分段有多少相机 |

**返回参数示例**

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "21A9F2A8463C804361A8CFA2C749B839",  "line\_name": "adada",  "indoor": true,  "build\_id": "nn318",  "floor\_id": "nyF321",  "remark": "",  "buffer": 5,  "patrol\_line\_subsection": [  {  "options": {  "index": 0,  "noodles": [  [  120.1384230213802,  30.179298550007942,  120.13848493244924,  30.17918310033499,  120.13853099285976,  30.179200001759863,  120.13846917016862,  30.17931526844601  ],  [  120.1384230213802,  30.179298550007942,  120.13848493244924,  30.17918310033499,  120.13843887205445,  30.179166198893885,  120.13837687260737,  30.179281831553578  ]  ],  "line": [  120.13848493244924,  30.17918310033499,  120.1384230213802,  30.179298550007942  ],  "NoodlesLineZ": 13.463077092107104,  "orientation": false  },  "patrol\_camera": []  },  {  "options": {  "index": 1,  "noodles": [  [  120.1384230213802,  30.179298550007942,  120.1382602693969,  30.17929550130848,  120.13826131495898,  30.17925207029766,  120.13842406072813,  30.179255118885838  ],  [  120.1384230213802,  30.179298550007942,  120.1382602693969,  30.17929550130848,  120.13825922383393,  30.179338932319,  120.13842198203137,  30.179341981129724  ]  ],  "line": [  120.1384230213802,  30.179298550007942,  120.1382602693969,  30.17929550130848  ],  "NoodlesLineZ": 13.4627316316018,  "orientation": true  },  "patrol\_camera": []  },  {  "options": {  "index": 2,  "noodles": [  [  120.1382602693969,  30.17929550130848,  120.13829985987245,  30.179133931503966,  120.13834906129027,  30.179141664448437,  120.1383095263254,  30.17930296272284  ],  [  120.1382602693969,  30.17929550130848,  120.13829985987245,  30.179133931503966,  120.13825065846231,  30.17912619854104,  120.13821101247585,  30.179288039875615  ]  ],  "line": [  120.1382602693969,  30.17929550130848,  120.13829985987245,  30.179133931503966  ],  "NoodlesLineZ": 14.477998768879011,  "orientation": true  },  "patrol\_camera": []  },  {  "options": {  "index": 3,  "noodles": [  [  120.1381276562294,  30.179174445475482,  120.13829985987245,  30.179133931503966,  120.138312432881,  30.17917597623789,  120.13814030489269,  30.17921647305993  ],  [  120.1381276562294,  30.179174445475482,  120.13829985987245,  30.179133931503966,  120.13828728687456,  30.17909188676858,  120.13811500757686,  30.17913241788952  ]  ],  "line": [  120.13829985987245,  30.179133931503966,  120.1381276562294,  30.179174445475482  ],  "NoodlesLineZ": 13.46269964050725,  "orientation": false  },  "patrol\_camera": []  },  {  "options": {  "index": 4,  "noodles": [  [  120.13816306398382,  30.179304578649433,  120.1381276562294,  30.179174445475482,  120.138175928348,  30.179163124151238,  120.13821126837315,  30.17929304156489  ],  [  120.13816306398382,  30.179304578649433,  120.1381276562294,  30.179174445475482,  120.13807938409978,  30.17918576678194,  120.13811485958331,  30.179316115716237  ]  ],  "line": [  120.1381276562294,  30.179174445475482,  120.13816306398382,  30.179304578649433  ],  "NoodlesLineZ": 13.462148191727406,  "orientation": false  },  "patrol\_camera": []  },  {  "options": {  "index": 5,  "noodles": [  [  120.13796174814316,  30.179346703340446,  120.13816306398382,  30.179304578649433,  120.13817458554016,  30.179346850112168,  120.13797335259956,  30.179388957664433  ],  [  120.13796174814316,  30.179346703340446,  120.13816306398382,  30.179304578649433,  120.13815154243734,  30.179262307185414,  120.13795014369668,  30.17930444901516  ]  ],  "line": [  120.13816306398382,  30.179304578649433,  120.13796174814316,  30.179346703340446  ],  "NoodlesLineZ": 13.462015607847556,  "orientation": false  },  "patrol\_camera": []  },  {  "options": {  "index": 6,  "noodles": [  [  120.13796174814316,  30.179346703340446,  120.13797961599404,  30.17918724300272,  120.13802939256867,  30.179191345109185,  120.13801155372359,  30.17935053046999  ],  [  120.13796174814316,  30.179346703340446,  120.13797961599404,  30.17918724300272,  120.13792983942353,  30.17918314087736,  120.1379119425666,  30.179342876192003  ]  ],  "line": [  120.13796174814316,  30.179346703340446,  120.13797961599404,  30.17918724300272  ],  "NoodlesLineZ": 13.461393077368534,  "orientation": true  },  "patrol\_camera": []  },  {  "options": {  "index": 7,  "noodles": [  [  120.1373696436367,  30.179366175023997,  120.13797961599404,  30.17918724300272,  120.13799515243986,  30.179228533191807,  120.1373855192781,  30.17940736763094  ],  [  120.1373696436367,  30.179366175023997,  120.13797961599404,  30.17918724300272,  120.13796407956119,  30.179145952811517,  120.13735376800848,  30.17932498241486  ]  ],  "line": [  120.13797961599404,  30.17918724300272,  120.1373696436367,  30.179366175023997  ],  "NoodlesLineZ": 13.461664590046356,  "orientation": false  },  "patrol\_camera": []  },  {  "options": {  "index": 8,  "noodles": [  [  120.13759492286172,  30.17946351625282,  120.1373696436367,  30.179366175023997,  120.13739267803658,  30.17932761890176,  120.13761777755221,  30.179424879528803  ],  [  120.13759492286172,  30.17946351625282,  120.1373696436367,  30.179366175023997,  120.13734660921891,  30.17940473114195,  120.1375720681534,  30.179502152972628  ]  ],  "line": [  120.1373696436367,  30.179366175023997,  120.13759492286172,  30.17946351625282  ],  "NoodlesLineZ": 13.460159882293,  "orientation": false  },  "patrol\_camera": []  },  {  "options": {  "index": 9,  "noodles": [  [  120.13759492286172,  30.17946351625282,  120.13783732159187,  30.17927481270821,  120.13787023751027,  30.179307512111645,  120.13762812896157,  30.179495993378083  ],  [  120.13759492286172,  30.17946351625282,  120.13783732159187,  30.17927481270821,  120.13780440569519,  30.17924211329635,  120.13756171678365,  30.179431039118985  ]  ],  "line": [  120.13759492286172,  30.17946351625282,  120.13783732159187,  30.17927481270821  ],  "NoodlesLineZ": 13.460435462937683,  "orientation": true  },  "patrol\_camera": []  }  ]  },  {  "id": "37D475DEC369BF4367182AD400C4167F",  "line\_name": "22222",  "indoor": false,  "build\_id": "",  "floor\_id": "",  "remark": "",  "buffer": 5,  "patrol\_line\_subsection": [  {  "options": {  "index": 0,  "noodles": [  [  120.13945798044509,  30.1787474801432,  120.13837912733108,  30.178691422173937,  120.13838108999224,  30.178648014874916,  120.13945994343044,  30.178704072880205  ],  [  120.13945798044509,  30.1787474801432,  120.13837912733108,  30.178691422173937,  120.13837716466819,  30.17873482947264,  120.13945601745803,  30.178790887405878  ]  ],  "line": [  120.13837912733108,  30.178691422173937,  120.13945798044509,  30.1787474801432  ],  "NoodlesLineZ": 5.211840533840511,  "orientation": false  },  "patrol\_camera": [  {  "camera\_name": "5北进",  "camera\_code": "7eb77339c06942b08408ab58dd7b10ab",  "key": false,  "enable": true,  "order": 1  }  ]  },  {  "options": {  "index": 1,  "noodles": [  [  120.14013641475472,  30.17878982823557,  120.13945798044509,  30.1787474801432,  120.13946034040978,  30.178704087804206,  120.14013877493198,  30.17874643592416  ],  [  120.14013641475472,  30.17878982823557,  120.13945798044509,  30.1787474801432,  120.13945562047834,  30.178790872481866,  120.1401340545754,  30.17883322054665  ]  ],  "line": [  120.13945798044509,  30.1787474801432,  120.14013641475472,  30.17878982823557  ],  "NoodlesLineZ": 5.21324823113181,  "orientation": false  },  "patrol\_camera": []  },  {  "options": {  "index": 2,  "noodles": [  [  120.14073280477392,  30.178943393116416,  120.14013641475472,  30.17878982823557,  120.1401464977994,  30.178747279973212,  120.14074288803188,  30.17890084495919  ],  [  120.14073280477392,  30.178943393116416,  120.14013641475472,  30.17878982823557,  120.1401263317014,  30.17883237649688,  120.14072272150732,  30.17898594127259  ]  ],  "line": [  120.14013641475472,  30.17878982823557,  120.14073280477392,  30.178943393116416  ],  "NoodlesLineZ": 5.215048432358314,  "orientation": false  },  "patrol\_camera": []  }  ]  }  ]  } |

### 2.23.3 添加巡逻预案

**接口描述**

增加巡逻预案

**调用说明**

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /patrol/plan/add |
| 请求方法 | post |
| 数据提交方式 | application/json |

**调用参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| plan\_name | String | 需要添加的预案名称 |
| line\_id | Object | 巡逻路线的id |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  "plan\_name":"1号楼合并",  "line\_id":["kjdicyre451423"," k23jdic2yre343451423"]  } |

**返回参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |

**返回参数示例**

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "id": "6D00338DF981D54693785B5AE190EFC1",  "plan\_id": "7382E40E869E4B4237180C9400FDEF32",  "line\_id": "1",  "order": 1  },  {  "id": "9EBAAF68C5300146BC0836C1BC11BAF1",  "plan\_id": "7382E40E869E4B4237180C9400FDEF32",  "line\_id": "2",  "order": 2  }  ]  } |

* **2.23.4** **删除巡逻预案**

**接口描述**

删除巡逻预案

**调用说明**

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /patrol/plan/destroy |
| 请求方法 | post |
| 数据提交方式 | application/json |

**调用参数s**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| id | string | 需要删除预案的id |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  "id":"CE1690DAF5EA0345E8FB4CB9076A45FA"  } |

**返回参数**

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |

**返回参数示例**

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": 3  } |

**2.24 人脸轨迹**

### 2.24.1查询人脸库

#### 接口描述

查询所有的人脸库信息

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /business/selectFacebank |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用说明

|  |  |  |
| --- | --- | --- |
| 参数名称 | 数据类型 | 参数描述 |
| name | String | 查询人员名称 |
| certificateNum | Number | 证件号 |
| pageNo | Number | 分页页数最小为1 |
| pageSize | Number | 分页数最小1，最大1000 |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  "name":"张",  "certificateNum":"",  "pageNo":1,  "pageSize":1000  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |
| indexCode | String | 相机唯一标识 |
| faceGroupIndexCode | String | 人脸相机所属的分组 |
| faceInfo | object[] | 人员信息 |
| Name | String | 人员姓名 |
| Sex | String | 性别 |
| certificateType | string | 人脸的证件类别 |
| certificateNum | string | 证件号 |
| facePic | Object[] | 人员图片信息 |
| faceUrl | String | 服务器上的图片 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": [  {  "indexCode": "117285ee94144474bb80ec8162b57ed4",  "faceGroupIndexCode": "e2b0599d54b549a88707dd4f935bd8fc",  "faceInfo": {  "name": "张伟东",  "sex": "male",  "certificateType": "ID",  "certificateNum": "410702197009241513"  },  "facePic": {  "faceUrl": "https://192.168.1.2:6113/pic?7dd9159b5-0dob61l\*43ed2=--a2zfd0d54abf6i3b7\*=\*d3d0i\*s1d=i9p6p=\*m9i1t=0e9852007366i8s8\*e07a-34o1eepi580a=22i44=&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591720689&Signature=Rl0xXUhRZ1woS3wq5g+YPoFdbZw="  }  },  {  "indexCode": "af830285e90447e4a2a5d62f2c4e3c68",  "faceGroupIndexCode": "e2b0599d54b549a88707dd4f935bd8fc",  "faceInfo": {  "name": "张杰",  "sex": "male",  "certificateType": "ID",  "certificateNum": "412901196912295018"  },  "facePic": {  "faceUrl": "https://192.168.1.2:6113/pic?7dd9159b5-0dob61l\*13ed3=--a2zfd0d54abf6i3b7\*=\*d3d0i\*s1d=i0p7p=\*m0i1t=0e9852007667i8s8\*e47a-42o1eepi580a=22i44=&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591720689&Signature=+mcp2xV/fM6Rote2qWYKudlMGWM="  }  },  {  "indexCode": "21559ee8a186404faa7de7df1fc09cf3",  "faceGroupIndexCode": "e2b0599d54b549a88707dd4f935bd8fc",  "faceInfo": {  "name": "张运国",  "sex": "male",  "certificateType": "ID",  "certificateNum": "410781196903084111"  },  "facePic": {  "faceUrl": "https://192.168.1.2:6113/pic?7dd9159b5-0dob61l\*83ed3=--a2zfd0d54abf6i3b7\*=\*d3d0i\*s1d=i0p7p=\*m1i1t=0e9852007169i8s8\*e97a-36o1eepi580a=22i44=&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591720689&Signature=r9IAk/+fTW2YoAS/ZFMXK5+iqLc="  }  },  {  "indexCode": "b120e696c6ac4ff7b5d30d44b2b811c0",  "faceGroupIndexCode": "797a18e14bd9415a95c118c536f33399,3fb6b2c5844245be94372ba323f4fc26",  "faceInfo": {  "name": "张雪朋",  "sex": "male",  "certificateType": "ID",  "certificateNum": "410526199804054417"  },  "facePic": {  "faceUrl": "https://192.168.1.2:6113/pic?7dd9159b5-0dob61l\*43ed1=--a2zfd0d54abf6i3b6\*=\*d1d7i\*s1d=i3p5p=\*m1i1t=0e9350001359i6s8\*e37a-22o1eepi580a=22i44=&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591720689&Signature=KLT/fbFChLM25XqA/OFKmCG5/l8="  }  }  ] |

### 2.24.2实时人员轨迹

#### 接口描述

查询出当前被追踪人员的轨迹

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /business/SelectWay |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用说明

|  |  |  |
| --- | --- | --- |
| 参数名称 | 数据类型 | 参数描述 |
| cameracode | Object[] | 相机编码 |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  "cameracode":["6df59e4acb384c698efc0cc0fed6b8d1","f36254d67f1647d594173cf5d01dc674"]  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |
| Notexist | object[] | 未上图的设备信息 |
| exist | object[] | 以上图的设备信息 |
| points | object[] | 点位坐标信息 |

#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "Notexist": [],  "exist": [  {  "id": "70cb9c6a5f0848719882e40d1b6f7047\_19242F0F746DDE464239EF7ECE11E63F",  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "type\_id": "4778674014C5354BD86B27EEA09695B0",  "type\_name": "球机",  "region\_id": "2\_19242F0F746DDE464239EF7ECE11E63F",  "device\_type": "枪机",  "device\_code": "6df59e4acb384c698efc0cc0fed6b8d1",  "device\_name": "26一号楼一层走廊西",  "indoor": true,  "build\_id": "nn211",  "floor\_id": "nyF112",  "geom": {  "type": "Point",  "coordinates": [  120.139646,  30.180811  ]  },  "center": {  "x": 120.139556,  "y": 30.183607,  "z": 244.09,  "h": 2.85,  "p": -0.7099392667,  "r": 0  },  "options": {  "geom": {  "type": "Point",  "coordinates": [  120.139646,  30.180811  ]  },  "position": {  "x": 120.139646,  "y": 30.180811,  "z": -30,  "heading": -10.68156361,  "pitch": 0,  "roll": 0  },  "scale": 100,  "url": "../model/gltf/WBZDQJ.gltf",  "visible": true  },  "detail\_info": {  "altitude": null,  "cameraIndexCode": "61f8bd84af1c437eaa09d3989839f321",  "cameraName": "5F走廊东",  "cameraType": 0,  "cameraTypeName": "枪机",  "capabilitySet": "event\_audio,io,event\_face,event\_veh\_compare,event\_veh,event\_veh\_recognition,event\_ias,face,event\_heat,drawFrameInPlayBack,record,vss,ptz,event\_io,net,maintenance,event\_device,status,PlayConvert",  "capabilitySetName": null,  "intelligentSet": null,  "intelligentSetName": null,  "channelNo": "11",  "channelType": "digital",  "channelTypeName": "数字通道",  "createTime": "2019-08-14T17:12:50.303+08:00",  "encodeDevIndexCode": "135a818961ff4917b246ec049aaa0d3c",  "encodeDevResourceType": null,  "encodeDevResourceTypeName": null,  "gbIndexCode": null,  "installLocation": null,  "keyBoardCode": null,  "latitude": null,  "longitude": null,  "pixel": null,  "ptz": null,  "ptzName": null,  "ptzController": null,  "ptzControllerName": null,  "recordLocation": null,  "recordLocationName": null,  "regionIndexCode": "50ec37bd-b146-45ee-a6e8-dcc328d5e5e7",  "status": null,  "statusName": null,  "transType": 1,  "transTypeName": "TCP",  "treatyType": null,  "treatyTypeName": null,  "viewshed": null,  "updateTime": "2019-08-14T17:14:51.747+08:00"  },  "on\_map": true,  "order\_num": 12  },  {  "id": "890d517c15b74354b32e9c4547f558e9\_19242F0F746DDE464239EF7ECE11E63F",  "category\_id": "19242F0F746DDE464239EF7ECE11E63F",  "category\_name": "摄像头",  "type\_id": "B88458DECFE22140B0F880EA2C49BB27",  "type\_name": "枪机",  "region\_id": "12\_19242F0F746DDE464239EF7ECE11E63F",  "device\_type": "枪机",  "device\_code": "f36254d67f1647d594173cf5d01dc674",  "device\_name": "14文圆路",  "indoor": false,  "build\_id": "",  "floor\_id": "",  "geom": {  "type": "Point",  "coordinates": [  120.140097,  30.179792  ]  },  "center": {  "x": 120.14011,  "y": 30.179791,  "z": 64.7,  "h": 6.01,  "p": -1.4523108957,  "r": 6.28  },  "options": {  "geom": {  "type": "Point",  "coordinates": [  120.140097,  30.179792  ]  },  "position": {  "x": 120.140097,  "y": 30.179792,  "z": 11.3,  "heading": 6.00886321,  "pitch": 0,  "roll": 0  },  "scale": 2,  "url": "$serverURL$/gltf/WBZQJ.gltf",  "visible": true  },  "detail\_info": {  "altitude": null,  "cameraIndexCode": "61f8bd84af1c437eaa09d3989839f321",  "cameraName": "5F走廊东",  "cameraType": 0,  "cameraTypeName": "枪机",  "capabilitySet": "event\_audio,io,event\_face,event\_veh\_compare,event\_veh,event\_veh\_recognition,event\_ias,face,event\_heat,drawFrameInPlayBack,record,vss,ptz,event\_io,net,maintenance,event\_device,status,PlayConvert",  "capabilitySetName": null,  "intelligentSet": null,  "intelligentSetName": null,  "channelNo": "11",  "channelType": "digital",  "channelTypeName": "数字通道",  "createTime": "2019-08-14T17:12:50.303+08:00",  "encodeDevIndexCode": "135a818961ff4917b246ec049aaa0d3c",  "encodeDevResourceType": null,  "encodeDevResourceTypeName": null,  "gbIndexCode": null,  "installLocation": null,  "keyBoardCode": null,  "latitude": null,  "longitude": null,  "pixel": null,  "ptz": null,  "ptzName": null,  "ptzController": null,  "ptzControllerName": null,  "recordLocation": null,  "recordLocationName": null,  "regionIndexCode": "50ec37bd-b146-45ee-a6e8-dcc328d5e5e7",  "status": null,  "statusName": null,  "transType": 1,  "transTypeName": "TCP",  "treatyType": null,  "treatyTypeName": null,  "viewshed": null,  "updateTime": "2019-08-14T17:14:51.747+08:00"  },  "on\_map": true,  "order\_num": 56  }  ],  "points": [  {  "x": "120.139646",  "y": "30.180811"  },  {  "x": "120.139666628173",  "y": "30.1807815634877"  },  {  "x": "120.139666628173",  "y": "30.1807815634877"  },  {  "x": "120.139550562",  "y": "30.180700228"  },  {  "x": "120.139602961565",  "y": "30.180635854772"  },  {  "x": "120.139651640403",  "y": "30.1805686238446"  },  {  "x": "120.139696443",  "y": "30.18049875"  },  {  "x": "120.139730507",  "y": "30.1804390550001"  },  {  "x": "120.139763824728",  "y": "30.1803709245129"  },  {  "x": "120.139792173",  "y": "30.180300581"  },  {  "x": "120.139810033",  "y": "30.1802467860001"  },  {  "x": "120.139917406",  "y": "30.17998268"  },  {  "x": "120.139917493",  "y": "30.179982465"  },  {  "x": "120.140009404338",  "y": "30.179756388075"  },  {  "x": "120.140009404338",  "y": "30.179756388075"  },  {  "x": "120.140097",  "y": "30.179792"  }  ]  }  } |

### 2.24.3查询人员历史轨迹

#### 接口描述

查询人员的历史轨迹

#### 调用说明

|  |  |
| --- | --- |
| **项目** | **描述** |
| 接口地址 | /business/ SearchImg |
| 请求方法 | POST |
| 数据提交方式 | application/json |

#### 调用说明

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | | | 参数描述 |
| code | | string | 返回码，0：接口业务处理成功 | |
| msg | | string | 返回描述 | |
| data | | object[] | 查询出来的信息总集 | |
| Notexist | | object[] | 未上图的设备信息 | |
| exist | | object[] | 以上图的设备信息 | |
| points | | object[] | 点位坐标信息 | |

**调用参数示例**

|  |
| --- |
| **JSON** |
| {  "minSimilarity":80,  "startTime":"2020.06.07 23:20:15",  "endTime":"2020.06.08 10:12:22",  “facePicBinaryData”:””,  "facePicUrl":" https://192.168.1.2:6113/pic?7dd9159b5-0dob61l\*93ed5=--a2zfd0d54abf6i3b6\*=\*d9d3i\*s1d=i1p9p=\*m3i1t=9e8457799159i8s8\*e37a-52o1eepi580a=22i44=&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591720689&Signature=/1Wq765vlefr+wsraDWWl+RehT0="  } |

#### 返回参数

|  |  |  |
| --- | --- | --- |
| **参数名称** | **数据类型** | **参数描述** |
| code | string | 返回码，0：接口业务处理成功 |
| msg | string | 返回描述 |
| data | object[] | 查询出来的信息总集 |
| indexCode | String | 相机唯一标识 |
| faceGroupIndexCode | String | 人脸相机所属的分组 |
| faceInfo | object[] | 人员信息 |
| Name | String | 人员姓名 |
| Sex | String | 性别 |
| certificateType | string | 人脸的证件类别 |
| certificateNum | string | 证件号 |
| facePic | Object[] | 人员图片信息 |
| faceUrl | String | 服务器上的图片 |

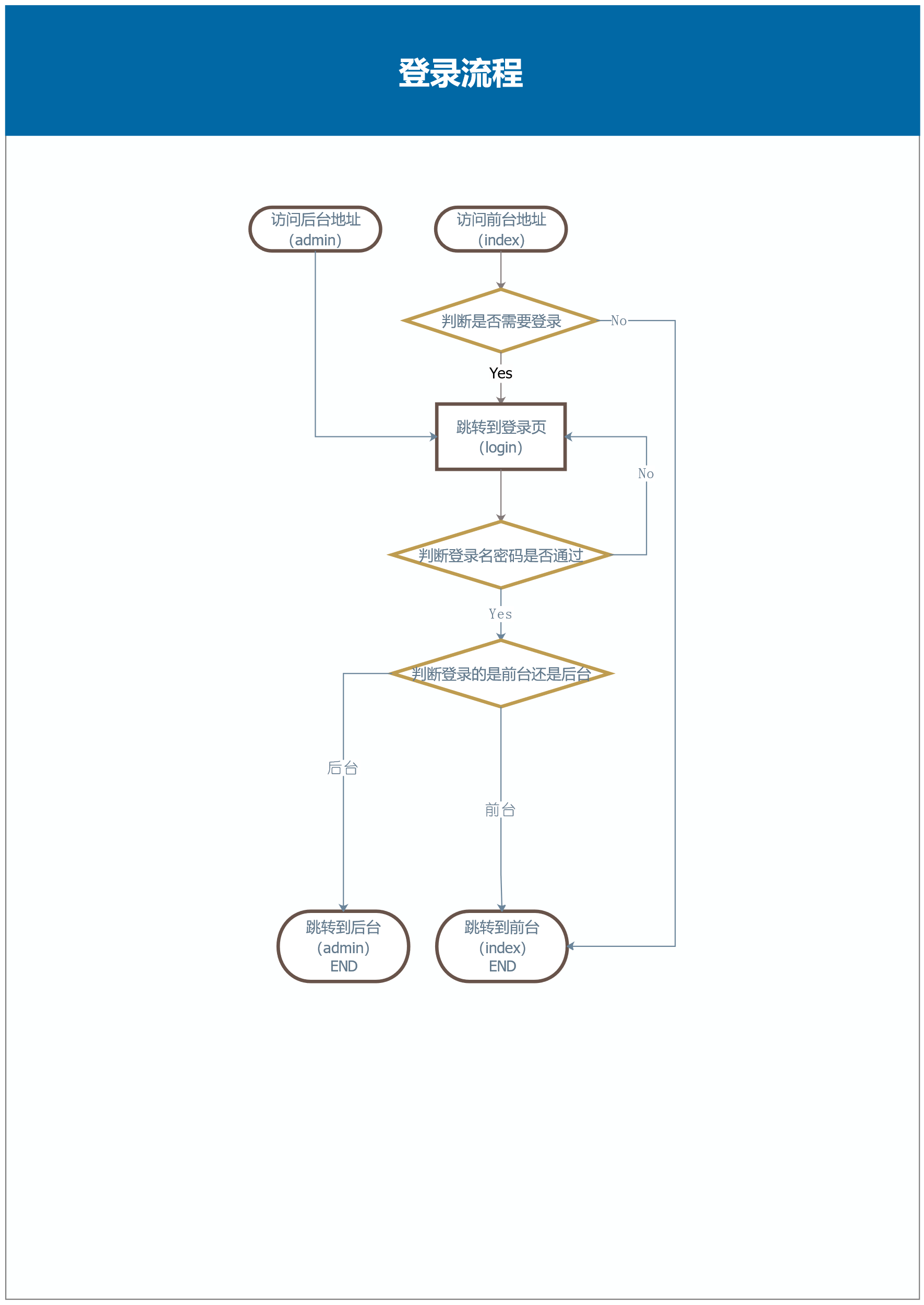
#### 返回参数示例

|  |
| --- |
| **JSON** |
| {  "code": 0,  "msg": "success",  "data": {  "Notexist": [],  "exist": [  {  "cameraIndexCode": "9e0b646b506343c9ae5951fff34fa586",  "captureTime": "2020-06-04T22:13:53+08:00",  "sex": "1",  "ageGroup": "MIDDLE",  "withGlass": "NO",  "similarity": "98%",  "bkgPicUrl": "https://192.168.1.2:6113/pic?=d70ia025i4ee=o98-ap8=18i1z27\*8s1000132185m9ep=t8i4d\*=\*2pdi=\*1s2i6i4db=\*5b3d6f2a4-d0dfe9a-114oe3-\*l56b9d7755bd9&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591514732&Signature=glznChe2j/LKbOzuU9GgXEmEJA8=",  "facePicUrl": "https://192.168.1.2:6113/pic?7dd9595b5-7dob61l\*73ed4=--a2zfd0d54abf6i3b2\*=\*d4d6i\*s1d=i8p2p=\*m3i1t=1e9058823809i0s8\*e07a-79o1eepi580a=07i42=&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591514732&Signature=sU19eRu7LHfTADZNSZFBLQZ0Z+A=",  "rect": "0.254,0.141,0.694,0.437",  "cameraName": "24一号楼一层电梯厅",  "position": {  "x": 120.136874,  "y": 30.18032,  "z": 8.9,  "heading": -2.60318129,  "pitch": 0,  "roll": 0  }  },  {  "cameraIndexCode": "456394e0ad764ce3b321f29dc2abc34d",  "captureTime": "2020-06-04T23:05:17+08:00",  "sex": "1",  "ageGroup": "MIDDLE",  "withGlass": "NO",  "similarity": "96%",  "bkgPicUrl": "https://192.168.1.2:6113/pic?=d70ia025i4ee=o88-ap3=18i3z97\*7s2361112185m9ep=t5i8d\*=\*2pdi=\*1s2i8i0db=\*5b3d6f2a4-d0dfe5a-118oe3-\*l56b9d7755bd9&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591514732&Signature=uQZSia0X9Jg2eonQEDoGGL1qT4Y=",  "facePicUrl": "https://192.168.1.2:6113/pic?7dd9595b5-7dob61l\*83ed3=--a2zfd0d54abf6i3b2\*=\*d0d8i\*s1d=i5p2p=\*m7i1t=1e9358721616i2s8\*e67a-66o1eepi580a=07i42=&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591514732&Signature=TxF6tkiW++l0ZbBAk7C1SmtN8P4=",  "rect": "0.254,0.141,0.769,0.518",  "cameraName": "13文健路",  "position": {  "x": 120.139535,  "y": 30.179437,  "z": 9.3,  "heading": 7.47395761,  "pitch": 0,  "roll": 0  }  },  {  "cameraIndexCode": "456394e0ad764ce3b321f29dc2abc34d",  "captureTime": "2020-06-04T23:05:17+08:00",  "sex": "1",  "ageGroup": "MIDDLE",  "withGlass": "NO",  "similarity": "96%",  "bkgPicUrl": "https://192.168.1.2:6113/pic?=d70ia025i4ee=o88-ap3=18i3z97\*7s2361112185m9ep=t5i8d\*=\*2pdi=\*1s2i8i0db=\*5b3d6f2a4-d0dfe5a-118oe3-\*l56b9d7755bd9&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591514732&Signature=uQZSia0X9Jg2eonQEDoGGL1qT4Y=",  "facePicUrl": "https://192.168.1.2:6113/pic?7dd9595b5-7dob61l\*83ed3=--a2zfd0d54abf6i3b2\*=\*d0d8i\*s1d=i5p2p=\*m7i1t=1e9358721616i2s8\*e67a-66o1eepi580a=07i42=&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591514732&Signature=TxF6tkiW++l0ZbBAk7C1SmtN8P4=",  "rect": "0.254,0.141,0.769,0.518",  "cameraName": "13文健路",  "position": {  "x": 120.139535,  "y": 30.179437,  "z": 9.3,  "heading": 7.47395761,  "pitch": 0,  "roll": 0  }  },  {  "cameraIndexCode": "f7538699cea248d2be9088fd77c4bb5e",  "captureTime": "2020-06-05T05:50:55+08:00",  "sex": "1",  "ageGroup": "MIDDLE",  "withGlass": "NO",  "similarity": "94%",  "bkgPicUrl": "https://192.168.1.2:6113/pic?=d70ia025i4ee=o38-ap8=18i7z37\*7s9724153105m9ep=t5i8d\*=\*4pdi=\*1s2i9i8db=\*5b3d6f2a4-d0dfe4a-115oe3-\*l56b9d7755bd9&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591514732&Signature=J3YDbt9pry9Pq2+rbjPQCS8I8v4=",  "facePicUrl": "https://192.168.1.2:6113/pic?7dd9595b5-7dob61l\*83ed4=--a2zfd0d54abf6i3b2\*=\*d8d9i\*s1d=i5p4p=\*m7i1t=1e9750735042i9s8\*e47a-24o1eepi580a=07i42=&AccessKeyId=F4/un/Lgzx5OikTb&Expires=1591514732&Signature=oAm5bcFPi686DRPyevpwFMw5DhU=",  "rect": "0.16,0.082,0.375,0.162",  "cameraName": "6北出",  "position": {  "x": 120.140257,  "y": 30.180746,  "z": 17.9,  "heading": 6.28,  "pitch": 0,  "roll": 0  }  },  {  "cameraIndexCode": "a74cc1a9ce2e464194ac19a7657ae7d7",  "captureTime": "2020-06-04T19:25:18+08:00",  "sex": "1",  "ageGroup": "MIDDLE",  "withGlass": "UNKNOWN",  "similarity": "94%",  "bkgPicUrl": 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"30.1806130029689"  },  {  "x": "120.136729960034",  "y": "30.1806012304029"  },  {  "x": "120.136712119552",  "y": "30.1805923028021"  },  {  "x": "120.136693041963",  "y": "30.1805864692406"  },  {  "x": "120.136673259519",  "y": "30.180583892471"  },  {  "x": "120.136653324137",  "y": "30.1805846443835"  },  {  "x": "120.136633792",  "y": "30.1805887040001"  },  {  "x": "120.136483007",  "y": "30.1805382310001"  },  {  "x": "120.136425732",  "y": "30.180517993"  },  {  "x": "120.136493398",  "y": "30.180391001"  },  {  "x": "120.136516062268",  "y": "30.1803455262097"  },  {  "x": "120.136516062268",  "y": "30.1803455262097"  },  {  "x": "120.136513",  "y": "30.180344"  }  ],  [  {  "x": "120.136513",  "y": "30.180344"  },  {  "x": "120.136516062268",  "y": "30.1803455262097"  },  {  "x": "120.136516062268",  "y": "30.1803455262097"  },  {  "x": "120.136714688",  "y": "30.179946993"  },  {  "x": "120.136846519",  "y": "30.1797036880001"  },  {  "x": "120.137199838",  "y": "30.1798465950001"  },  {  "x": "120.137250531561",  "y": "30.1797588198289"  },  {  "x": "120.137307205392",  "y": "30.1796747817744"  },  {  "x": "120.137369585182",  "y": "30.179594887597"  },  {  "x": "120.137437369",  "y": "30.1795195240001"  },  {  "x": "120.137518900847",  "y": "30.179469129782"  },  {  "x": "120.13760317",  "y": "30.1794234600001"  },  {  "x": "120.137691868245",  "y": "30.1793818046993"  },  {  "x": "120.137782840764",  "y": "30.1793453829554"  },  {  "x": "120.137875779068",  "y": "30.1793143182753"  },  {  "x": "120.137970368",  "y": "30.179288716"  },  {  "x": "120.138116050842",  "y": "30.179266486881"  },  {  "x": "120.138262459724",  "y": "30.1792496921324"  },  {  "x": "120.138409392",  "y": "30.1792383550001"  },  {  "x": "120.13852937877",  "y": "30.1792331567737"  },  {  "x": "120.138649468",  "y": "30.1792316"  },  {  "x": "120.138711432",  "y": "30.1792184290001"  },  {  "x": "120.138798707",  "y": "30.1792441900001"  },  {  "x": "120.138849474",  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},  {  "x": "120.136785821187",  "y": "30.1806850158433"  },  {  "x": "120.136782042818",  "y": "30.1806684428092"  },  {  "x": "120.13677595",  "y": "30.1806525740001"  },  {  "x": "120.136771336",  "y": "30.180643699"  },  {  "x": "120.136759987126",  "y": "30.1806272920533"  },  {  "x": "120.136746065671",  "y": "30.1806130029689"  },  {  "x": "120.136729960034",  "y": "30.1806012304029"  },  {  "x": "120.136712119552",  "y": "30.1805923028021"  },  {  "x": "120.136693041963",  "y": "30.1805864692406"  },  {  "x": "120.136673259519",  "y": "30.180583892471"  },  {  "x": "120.136653324137",  "y": "30.1805846443835"  },  {  "x": "120.136633792",  "y": "30.1805887040001"  },  {  "x": "120.136483007",  "y": "30.1805382310001"  },  {  "x": "120.136425732",  "y": "30.180517993"  },  {  "x": "120.136117711879",  "y": "30.1804091552362"  },  {  "x": "120.136117711879",  "y": "30.1804091552362"  },  {  "x": "120.136116",  "y": "30.180414"  }  ]  ]  }  } |

# 3.业务调用

## 3.1系统登录

### 3.1.1业务流程



### 3.1.2相关接口

1、[判断是否需要登录](#_2.1.1是否需要登录)

2、[判断是否可以独立运行](#_2.1.2是否独立运行)

3、[获取默认用户](#_2.1.2获取默认用户)

4、[用户验证](#_2.1.2用户验证)

## 3.2前端进入

### 3.2.1业务流程

### 3.2.2相关接口

1、[获取平台配置状态](#_2.1.3平台配置状态)

2、[获取平台配置](#_2.1.4获取平台配置)

# 4.附录

## 4.1数据字典

### 4.1.1地图类型

|  |  |
| --- | --- |
| **类型** | **类型说明** |
| Normal | 三维模型 |
| Virtual | 虚拟化 |

### 4.1.2上图模式

|  |  |
| --- | --- |
| **类型** | **类型说明** |
| model | 模型 |
| point | 点 |
| polyline | 折线 |
| polygon | 多边形面 |
| wall | 立体墙 |

### 4.1.3上图参数

|  |  |
| --- | --- |
| **类型** | **参数示例** |
| model | {  "utl": "$serverURL$/gltf/qiangji.gltf",  "height": 3,  "scale": 2  } |
| point | 待定 |
| polyline | 待定 |
| polygon | 待定 |
| wall | 待定 |

### 4.1.4事件等级

|  |  |
| --- | --- |
| **类型** | **类型说明** |
| 0 | 事件 |
| 1 | 高 |
| 2 | 中 |
| 3 | 低 |

### 4.1.5图层对象类型

|  |  |
| --- | --- |
| **类型** | **类型说明** |
| label | 文本 |
| billboard | 图片 |
| polyline | 折线 |
| polygon | 多边形 |

### 4.1.6 Geometry类型

|  |  |  |
| --- | --- | --- |
| **类型说明** | **类型** | **参数示例** |
| 点 | Point | {  "type": "Point",  "coordinates": [  120.13677908900002,  30.180383793000033  ]  } |
| 线 | LineString | {  "type": "LineString",  "coordinates": [  [  120.13693251400002,  30.17997240400007  ],  [  120.13696711000011,  30.17990095600004  ]  ]  } |
| 面 | Polygon | {  "type": "Polygon",  "coordinates": [  [  [  120.13671382300004,  30.17900102200008  ],  [  120.13669595400006,  30.179032694000057  ],  [  120.13667845400005,  30.179063711000026  ] ,  [  120.13671382300004,  30.17900102200008  ]  ]  ]  } |

### 4.1.7网格节点类型

|  |  |
| --- | --- |
| **类型** | **类型说明** |
| group | 文件夹 |
| grid | 网格区域 |
| details | 网格数据 |

### 4.1.8事件状态

|  |  |
| --- | --- |
| **类型** | **类型说明** |
| 0 | 瞬时事件 |
| 1 | 事件开始 |
| 2 | 事件结束 |