# 接口定义

## 相机ROI设置

1. 接口说明

相机ROI设置接口。

1. 访问路径

* url：http://<host>:<port>/spider/cloudWalkService/device/roi
* method：POST

1. 请求参数

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 参数名称 | | | | 数据类型 | 长度 | 是否必需 | 描述 |
| deviceId | | | | string | 1-20 | 是 | 相机编号 |
| param | | | | JSON对象： | | | |
|  | height | | | int | 1-5 | 是 | 相机分辨率高 |
| width | | | int | 1-5 | 是 | 相机分辨率宽 |
| rois | | | JSON数组（支持多个ROI） | | | |
|  | roiName | | string | 1-20 | 是 | ROI名称 |
| points | | JSON数组（每个ROI的点坐标） | | | |
|  | x | int | 1-5 | 是 | x坐标（基于视频左上角，取正值） |
| y | int | 1-5 | 是 | y坐标（基于视频左上角，取正值） |

表 -1

1. 响应参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| code | string | 1-6 | 是 | 0成功，!0失败 |
| message | string | 1-200 | 是 | 应答描述 |
| error | 见[公共响应报文格式](#_公共响应报文格式) | | | |

表 -2

1. 示例代码

* 请求报文

{

"deviceId": "50011204001310000100",

"param": {

"height": 1080,

"width": 1920,

"rois": [

{

"roiName": "安检口42",

"points": [

{

"x": 332,

"y": 311

},

{

"x": 358,

"y": 814

},

{

"x": 1164,

"y": 896

},

{

"x": 1164,

"y": 896

},

{

"x": 1593,

"y": 423

},

{

"x": 1572,

"y": 291

},

{

"x": 349,

"y": 301

}

]

},

{

"roiName": "安检口43",

"points": [

{

"x": 1542,

"y": 108

},

{

"x": 304,

"y": 800

},

{

"x": 1587,

"y": 900

}

]

}

]

}

}

* 响应报文

{

"code": 0,

"message": "请求处理成功",

"error": []

}

## 人群密度布控任务下发

1. 接口说明

密度布控任务下发接口。

1. 访问路径

* url：http://<host>:<port>/spider/cloudWalkService/density/alarm/[distribute](http://www.baidu.com/link?url=sD03c0ZtOs0FlgcN-5KNFYi1OuF083SacRW-OGEf1vy18FsOcfCHWBDLBKxvURxh9Fcgf6wkz6h3Qh3wSp0QDYbhKj0k8r-pSiVf1tUcFri)
* method：POST

1. 请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| deviceId | string | 1-20 | 是 | 设备编号 |
| monitorName | string | 1-20 | 是 | 布控名称 |
| threshold | int | 1-3 | 是 | 布控阈值 |
| startTime | long | 13 | 否 | 布控开始时间（为空则一直布控） |
| endTime | long | 13 | 否 | 布控结束时间（为空则一直布控） |
| interval | int | 3 | 是 | 报警间隔时间（分钟） |

表 -3

1. 响应参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| code | string | 1-6 | 是 | 0成功，!0失败 |
| message | string | 1-200 | 是 | 应答描述 |
| error | 见[公共响应报文格式](#_公共响应报文格式) | | | |

表 -4

1. 示例代码

* 请求报文

{

"deviceId": "10001",

"monitorName": "安检口42人群密度布控",

"threshold": 30,

"startTime":1546485631000,

"endTime":1546575132000,

"interval":3

}

* 响应报文

{

"code": 0,

"message": "请求处理成功",

"error": []

}

## 布控任务修改

1. 接口说明

密度布控任务修改接口。

1. 访问路径

* url：http://<host>:<port>/spider/cloudWalkService/density/alarm/[update](http://www.baidu.com/link?url=sD03c0ZtOs0FlgcN-5KNFYi1OuF083SacRW-OGEf1vy18FsOcfCHWBDLBKxvURxh9Fcgf6wkz6h3Qh3wSp0QDYbhKj0k8r-pSiVf1tUcFri)
* method：POST

1. 请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| id | string | 1-20 | 是 | 布控编号 |
| deviceId | string | 1-20 | 是 | 设备编号 |
| monitorName | string | 1-20 | 是 | 布控名称 |
| threshold | int | 1-3 | 是 | 布控阈值 |
| startTime | long | 13 | 否 | 布控开始时间（为空则一直布控） |
| endTime | long | 13 | 否 | 布控结束时间（为空则一直布控） |
| interval | int | 3 | 是 | 报警间隔时间（分钟） |

表 -3

1. 响应参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| code | string | 1-6 | 是 | 0成功，!0失败 |
| message | string | 1-200 | 是 | 应答描述 |
| error | 见[公共响应报文格式](#_公共响应报文格式) | | | |

表 -4

1. 示例代码

* 请求报文

{

"id":"a0c2d518b3994707b99231b639948565",

"deviceId": "10001",

"monitorName": "安检口42人群密度布控",

"threshold": 30,

"startTime":1546485631000,

"endTime":1546575132000,

"interval":3

}

* 响应报文

{

"code": 0,

"message": "请求处理成功",

"error": []

}

## 布控任务删除

1. 接口说明

密度布控任务删除接口。

1. 访问路径

* url：http://<host>:<port>/spider/cloudWalkService/density/alarm/[delete](http://www.baidu.com/link?url=sD03c0ZtOs0FlgcN-5KNFYi1OuF083SacRW-OGEf1vy18FsOcfCHWBDLBKxvURxh9Fcgf6wkz6h3Qh3wSp0QDYbhKj0k8r-pSiVf1tUcFri)
* method：POST

1. 请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| id | string | 1-20 | 是 | 布控编号 |

表 -3

1. 响应参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| code | string | 1-6 | 是 | 0成功，!0失败 |
| message | string | 1-200 | 是 | 应答描述 |
| error | 见[公共响应报文格式](#_公共响应报文格式) | | | |

表 -4

1. 示例代码

* 请求报文

{

"id":"a0c2d518b3994707b99231b639948565"

}

* 响应报文

{

"code": 0,

"message": "请求处理成功",

"error": []

}

## 布控任务查询

1. 接口说明

当日旅客1：N检索。

1. 访问路径

* url：http://<host>:<port>/spider/cloudWalkService/density/alarm/gets
* method：POST

1. 请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| deviceId | string | 1-20 | 否 | 相机编号，为空时查询全部 |
| currentPage | int | 1-8 | 否 | 当前页码，默认1 |
| pageSize | int | 1-8 | 否 | 每页记录条数，默认10 |

表 -5

1. 响应参数

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 参数名称 | | | | 数据类型 | | 长度 | | 是否必需 | | 描述 | |
| code | | | | string | | 1-6 | | 是 | | 0成功，!0失败 | |
| message | | | | string | | 1-200 | | 是 | | 应答描述 | |
| error | | | | 见[公共响应报文格式](#_公共响应报文格式) | | | | | | | |
| data | | | JSON对象 | | | | | | | | |
|  | pageSize | | | | int | | 1-32 | | 是 | | 每页数据条数，默认10条 |
| currentPage | | | | int | | 1-32 | | 是 | | 当前页码 |
| totalPages | | | | int | | 1-64 | | 是 | | 分页总页码数 |
| totalRows | | | | int | | 1-255 | | 是 | | 记录总行数 |
| minRowNumber | | | | int | | 1-255 | | 是 | | 当页起始行号 |
| maxRowNumber | | | | int | | 1-32 | | 是 | | 当页结束行号 |
| datas | | | | 记录列表，JSON对象[{},{},...] | | | | | | |
|  | id | | | string | | 1-20 | | 是 | | 布控编号 |
| deviceId | | | string | | 1-20 | | 是 | | 设备编号 |
| monitorName | | | string | | 1-20 | | 否 | | 布控名称 |
| threshold | | | int | | 1-3 | | 是 | | 布控阈值 |
| startTime | | | long | | 13 | | 否 | | 布控开始时间 |
| endTime | | | long | | 13 | | 否 | | 布控结束时间 |
| interval | | | int | | 3 | | 是 | | 报警间隔时间（分钟） |
| status | | | int | | 2 | | 是 | | 布控状态 0： 未布控 1：布控中 |

表 -6

1. 示例代码

* 请求报文

{

"deviceId": "10001",

"currentPage":1,

"pageSize":10

}

* 响应报文

{

"code": 0,

"message": "请求处理成功",

"data": {

"pageSize": 10,

"currentPage": 1,

"totalPages": 1,

"totalRows": 2,

"minRowNumber": 1,

"maxRowNumber": 2,

"datas": [

{

"id": "b40fed22f05c4163aadd7cc152929fa0",

"deviceId": "02682710001315768254",

"monitorName": "安检口42人群密度布控",

"threshold": 40,

"startTime": 1646485631000,

"endTime": 1646575132000,

"interval": 1,

"status": 0

},

{

"id": "be5028745abf483bb6432a6009aad50f",

"deviceId": "07404520001310370614",

"monitorName": "456",

"threshold": 2,

"startTime": null,

"endTime": null,

"interval": 1,

"status": 1

}

]

},

"error": []

}

## 报警数据推送

1. 接口说明

密度报警数据推送。

1. 访问路径（需客户方定义）

* method：POST

1. 请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| deviceId | string | 1-20 | 是 | 相机编号 |
| deviceName | string | 1-20 | 是 | 相机名称 |
| threshold | int | 1-3 | 是 | 报警阈值 |
| count | int | 1-3 | 是 | 实际人数 |
| alarmUrl | string | 1-127 | 是 | 报警图片 |
| alarmTime | long | 13 | 是 | 报警时间 |

表 -7

## ~~人群密度查询~~

1. ~~接口说明~~

~~相机人数查询。~~

1. ~~访问路径~~

* ~~url：http://<host>:<port>/spider/cloudWalkService/device/head/gets~~
* ~~method：POST~~

1. ~~请求参数~~

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~参数名称~~ | ~~数据类型~~ | ~~长度~~ | ~~是否必需~~ | ~~描述~~ |
| ~~deviceIds~~ | ~~list~~ | ~~1-55~~ | ~~是~~ | ~~相机编号集合，必填~~ |
| ~~startTime~~ | ~~long~~ | ~~13~~ | ~~是~~ | ~~开始时间~~ |
| ~~endTime~~ | ~~long~~ | ~~13~~ | ~~是~~ | ~~结束时间~~ |
| ~~currentPage~~ | ~~int~~ | ~~1-8~~ | ~~否~~ | ~~当前页码，默认1~~ |
| ~~pageSize~~ | ~~int~~ | ~~1-8~~ | ~~否~~ | ~~每页记录条数，默认10~~ |

~~表 5-8~~

1. ~~响应参数~~

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ~~参数名称~~ | | | | ~~数据类型~~ | | ~~长度~~ | | ~~是否必需~~ | | ~~描述~~ | |
| ~~code~~ | | | | ~~string~~ | | ~~1-6~~ | | ~~是~~ | | ~~0成功，!0失败~~ | |
| ~~message~~ | | | | ~~string~~ | | ~~1-200~~ | | ~~是~~ | | ~~应答描述~~ | |
| ~~error~~ | | | | ~~见[公共响应报文格式](#_公共响应报文格式)~~ | | | | | | | |
| ~~data~~ | | | ~~JSON对象~~ | | | | | | | | |
|  | ~~pageSize~~ | | | | ~~int~~ | | ~~1-32~~ | | ~~是~~ | | ~~每页数据条数，默认10条~~ |
| ~~currentPage~~ | | | | ~~int~~ | | ~~1-32~~ | | ~~是~~ | | ~~当前页码~~ |
| ~~totalPages~~ | | | | ~~int~~ | | ~~1-64~~ | | ~~是~~ | | ~~分页总页码数~~ |
| ~~totalRows~~ | | | | ~~int~~ | | ~~1-255~~ | | ~~是~~ | | ~~记录总行数~~ |
| ~~minRowNumber~~ | | | | ~~int~~ | | ~~1-255~~ | | ~~是~~ | | ~~当页起始行号~~ |
| ~~maxRowNumber~~ | | | | ~~int~~ | | ~~1-32~~ | | ~~是~~ | | ~~当页结束行号~~ |
| ~~datas~~ | | | | ~~记录列表，JSON对象[{},{},...]~~ | | | | | | |
|  | ~~deviceId~~ | | | ~~string~~ | | ~~1-20~~ | | ~~是~~ | | ~~设备编号~~ |
| ~~deviceName~~ | | | ~~string~~ | | ~~1-20~~ | | ~~是~~ | | ~~设备名称~~ |
| ~~headcount~~ | | | ~~JSON对象：[{},{},...]~~ | | | | | | |
|  | ~~time~~ | | ~~long~~ | | ~~13~~ | | ~~是~~ | | ~~时刻~~ |
| ~~headcount~~ | | ~~int~~ | | ~~1-6~~ | | ~~是~~ | | ~~人数~~ |

表 -9

1. 示例代码

* 请求报文

{

"deviceIds":["50011204001310000010"],

"startTime":"1563897600000",

"endTime":"1563984000000",

"currentPage":1,

"pageSize":20

}

* 响应报文

{

"code": 0,

"message": "请求处理成功",

"data": {

"pageSize": 10,

"currentPage": 1,

"totalPages": 50669,

"totalRows": 506690,

"minRowNumber": 1,

"maxRowNumber": 10,

"datas": [

{

"deviceId": "02682710001315768254",

"deviceName": "172\_21\_81\_95",

"headCount": [

{

"headCount": 0,

"time": 1556535302408

},

{

"headCount": 0,

"time": 1556535296335

},

{

"headCount": 0,

"time": 1556535290299

},

{

"headCount": 0,

"time": 1556535284250

},

{

"headCount": 0,

"time": 1556535278216

},

{

"headCount": 0,

"time": 1556535272172

},

{

"headCount": 0,

"time": 1556535266119

},

{

"headCount": 0,

"time": 1556535260058

}

]

}

]

},

"error": []

}

## 人群密度查询v2

1. 接口说明

相机人数查询。

1. 访问路径

* url：http://<host>:<port>/spider/cloudWalkService/device/head/gets/v2
* method：POST

1. 请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| deviceIds | list | 1-255 | 否 | 相机编号集合 |
| startTime | long | 13 | 否 | 开始时间 |
| endTime | long | 13 | 否 | 结束时间 |
| currentPage | int | 1-8 | 否 | 当前页码，默认1 |
| pageSize | int | 1-8 | 否 | 每页记录条数，默认10 |

表 -8

1. 响应参数

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 参数名称 | | | | 数据类型 | | 长度 | | 是否必需 | | 描述 | |
| code | | | | string | | 1-6 | | 是 | | 0成功，!0失败 | |
| message | | | | string | | 1-200 | | 是 | | 应答描述 | |
| error | | | | 见[公共响应报文格式](#_公共响应报文格式) | | | | | | | |
| data | | | JSON对象 | | | | | | | | |
|  | pageSize | | | | int | | 1-32 | | 是 | | 每页数据条数，默认10条 |
| currentPage | | | | int | | 1-32 | | 是 | | 当前页码 |
| totalPages | | | | int | | 1-64 | | 是 | | 分页总页码数 |
| totalRows | | | | int | | 1-255 | | 是 | | 记录总行数 |
| minRowNumber | | | | int | | 1-255 | | 是 | | 当页起始行号 |
| maxRowNumber | | | | int | | 1-32 | | 是 | | 当页结束行号 |
| datas | | | | 记录列表，JSON对象[{},{},...] | | | | | | |
|  | deviceId | | | string | | 1-20 | | 是 | | 设备编号 |
| deviceName | | | string | | 1-20 | | 是 | | 设备名称 |
| time | | | long | | 13 | | 是 | | 时刻 |
| headcount | | | int | | 1-6 | | 是 | | 人数 |

表 -9

1. 示例代码

* 请求报文

{

"deviceIds":[],

"startTime":"1563950000091",

"endTime":"1566351894017",

"currentPage":1,

"pageSize":50

}

* 响应报文

{{

"code": 0,

"message": "请求处理成功",

"data": {

"pageSize": 50,

"currentPage": 1,

"totalPages": 242,

"totalRows": 12084,

"minRowNumber": 1,

"maxRowNumber": 50,

"datas": [

{

"deviceId": "50011204001310000010",

"deviceName": "头肩相机",

"headCount": 11,

"time": 1566351894017

},

{

"deviceId": "50011204001310000010",

"deviceName": "头肩相机",

"headCount": 10,

"time": 1566351888006

},

{

"deviceId": "50011204001310000010",

"deviceName": "头肩相机",

"headCount": 11,

"time": 1566351881974

}

]

},

"error": [

]

}

## 像机分页查询

1. 接口说明

分页查询像机信息。

1. 访问路径

* url：http://<host>:<port>/spider/cloudWalkService/device/pages
* method：POST

1. 请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数名称 | 数据类型 | 长度 | 是否必需 | 描述 |
| cameraServerType | string | 1-2 | 是 | 像机作用类型(排队计数3,人群密度4) |
| deviceId | string | 1-32 | 否 | 设备ID |
| areaId | string | 1-32 | 否 | 区域ID |
| currentPage | int | 1-8 | 否 | 当前页码，默认1 |
| pageSize | int | 1-8 | 否 | 每页记录条数，默认10 |

表 -11

1. 响应参数

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 参数名称 | | | 数据类型 | | 长度 | | 是否必需 | | 描述 | |
| code | | | int | | 1-6 | | 是 | | 0成功，!0失败 | |
| message | | | string | | 1-200 | | 是 | | 应答描述 | |
| error | | | 见[公共响应报文格式](#_公共响应报文格式) | | | | | | | |
| data | | | JSON对象 | | | | | | | |
|  | pageSize | | | int | | 1-32 | | 是 | | 每页数据条数，默认10条 |
| currentPage | | | int | | 1-32 | | 是 | | 当前页码 |
| totalPages | | | int | | 1-64 | | 是 | | 分页总页码数 |
| totalRows | | | int | | 1-255 | | 是 | | 记录总行数 |
| minRowNumber | | | int | | 1-255 | | 是 | | 当页起始行号 |
| maxRowNumber | | | int | | 1-32 | | 是 | | 当页结束行号 |
| datas | | | 记录列表，JSON对象[{},{},...] | | | | | | |
|  | deviceId | | int | | 1-20 | | 是 | | 设备ID |
| areaId | | string | | 1-32 | | 是 | | 区域ID |
| areaName | | string | | 1-64 | | 是 | | 区域名称 |
| deviceCode | | string | | 1-32 | | 是 | | 设备编号 |
| deviceType | | int | | 1-2 | | 是 | | 设备类型 4:像机 |
| deviceName | | string | | 1-64 | | 是 | | 设备名称 |
| status | | int | | 1-2 | | 是 | | 状态 1:启用,0:停用 |
| remark | | string | | 1-225 | | 是 | | 备注 |
| ip | | string | | 1-16 | | 是 | | Ip |
| port | | int | | 1-5 | | 是 | | 端口 |
| accessUser | | string | | 1-32 | | 是 | | 用户名 |
| accessPwd | | string | | 1-64 | | 是 | | 密码 |
| addr | | string | | 1-128 | | 是 | | 安装地址 |
| captureServerId | | string | | 1-32 | | 是 | | 抓拍服务器id |
| cameraType | | int | | 1-2 | | 是 | | 像机类型 |
| cameraRtspSuffix | | string | | 1-32 | | 是 | | Rtsp后缀 |
| cameraRtsp | | string | | 1-128 | | 是 | | Rtsp流 rtsp:1 |
| cameraServerType | | string | | 1-10 | | 是 | | 像机服务类型 1:抓拍 2:报警 3:安检排队，4人群计数 |
| updatedTime | | long | | 13 | | 是 | | 更新时间 |
| updatedUserid | | string | | 1-32 | | 是 | | 更新人 |
| createdTime | | long | | 13 | | 是 | | 创建时间 |
| createdUserid | | string | | 1-32 | | 是 | | 创建人 |

表 -12

1. 示例代码

* 请求报文

{

"cameraServerType":"4",

"currentPage:1,

"pageSize":20

}

* 响应报文

{

"code": 0,

"message": "请求处理成功",

"data": {

"pageSize": 20,

"currentPage": 1,

"totalPages": 1,

"totalRows": 1,

"minRowNumber": 1,

"maxRowNumber": 1,

"datas": [

{

"deviceId": "50011204001310000010",

"areaId": "000001",

"deviceCode": "15001",

"deviceType": 4,

"deviceName": "头肩相机",

"status": 1,

"remark": "",

"ip": "10.64.1.12",

"port": 554,

"accessUser": "admin",

"accessPwd": "admin",

"addr": "",

"areaName": "华为苏研所",

"updatedTime": null,

"updatedUserid": "1000",

"createdTime": 1563949640586,

"createdUserid": "1000",

"captureServerId": "99",

"cameraType": 4,

"cameraRtspSuffix": "live",

"cameraRtsp": "rtsp://admin:123456@10.128.138.99:25042/live/50011204001310000010/1",

"cameraServerType": "4",

"engineGroupId": null

}

]

},

"error": []

}