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#### 注意事项:

文档中提及的是功能实现的主要方法, 以文档为准, 文档中的 url 为测试环境, 实际 url 可能会有变化. 未提到的按照接口默认约定实现即可, 接口调试地址: <http://192.168.1.134:8889/swagger-ui.html#/>

当前已经部署到 221 服务器上, host 为 <http://192.168.1.221:8890>, 使用数据库为 xboot-ios, 使用 redis 数据库索引为 2. 将 requestUrl 中的 host 部分替换即可.

#### V1.3 调整

1. 部分表的主键使用自增 id, 统一使用字符串类型雪花算法 id (18 位整数)
2. 修改表名规范问题, 按照模块划分:
  - 2.1 fdfs 的相关表以 fdfs 开头;
  - 2.2 环境的相关表以 env 开头;
  - 2.3 摄像机相关表以 t\_ 开头;具体调整如下:
  - fdfs\_server\_inspect 调整为 fdfs\_server
  - local\_to\_fdfs 调整为 fdfs\_files
  - lx\_device 调整为 env\_device
  - lx\_env\_data 调整为 env\_data
  - lx\_error\_log 调整为 t\_camera\_error
  - lx\_monitor\_record 调整为 t\_camera\_record
  - lx\_snapshot 调整为 t\_camera\_snapshot
  - lx\_ws\_stream 调整为 t\_ws\_stream
  - monitor\_push\_stream 调整为 t\_hls\_stream
  - ai\_handle\_result 调整为 ai\_inference\_result
3. 完善 1.1.1 章节 jsmpeg 推流返回结果, 增加每条推流的具体情况 (2020/4/23).

# 1 JSMPEG 推流管理

## 1.1 状态控制: POST

RequestUrl:  
http://192.168.1.134:8889/xboot/wsStream/channel/{channelIds}/{action}

UrlParams:  
channelIds 摄像机通道号  
例如:  
- 单个 223959829402619904  
- 多个 223961702524260352, 223959829402619904

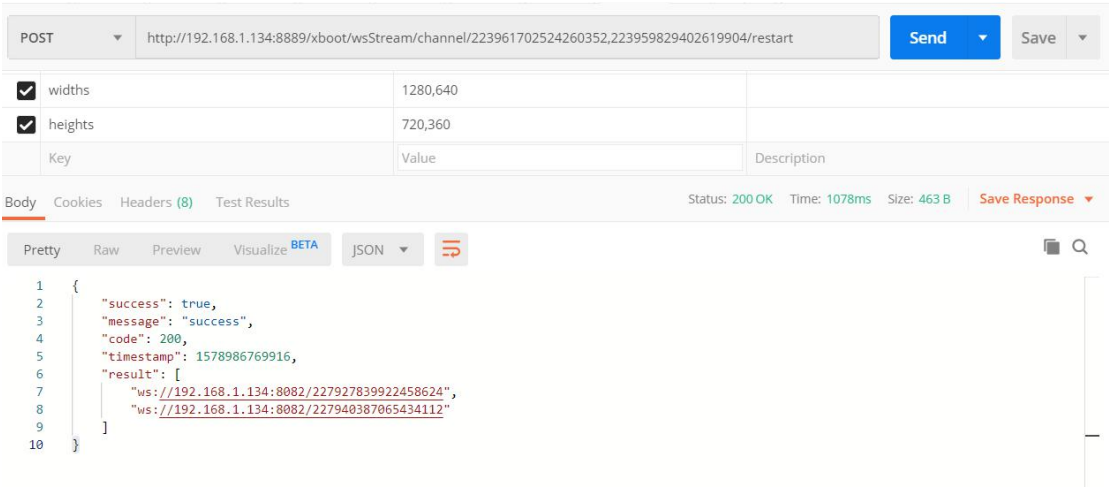
action 执行方法 取值范围 [start, stop, restart, refresh, status]

Request Params:  
width 视频宽度  
height 视频高度

示例:  
http://192.168.1.134:8889/xboot/wsStream/channel/223959829402619904/start

widths 1280,640  
heights 720,360

请求接口截图如下:



### 1.1.1 Action: start

成功返回 json 数据:

- 单个

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1578723600996,
  "result": [
    "ws://192.168.1.134:8082/227940387065434112"
  ]
}
```

- 2020-04-23 修改 返回结果更具体

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1587610481702,
  "result": [
    {
      "success": true,
      "message": "OK",
      "channelId": "262695467899424768",
      "wsUrl": "ws://192.168.1.221:8082/265580358760665088",
      "originWidth": 1280,
      "originHeight": 720,
      "currTimestamp": 1587610481300
    }
  ]
}
```

注: result/wsUrl 即为前端 websocket 流地址

- 多个

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1578548822999,
  "result": [
    "ws://192.168.1.134:8082/227255628362420224",
    "ws://192.168.1.134:8082/226818145300516864"
  ]
}
```

```
}
```

注：根据提交的 `channelIds` 顺序返回播放地址

- 2020-04-23 修改 返回结果更具体

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1587610600039,
  "result": [
    {
      "success": true,
      "message": "OK",
      "channelId": "262695467899424768",
      "wsUrl": "ws://192.168.1.221:8082/265580358760665088",
      "originWidth": 1280,
      "originHeight": 720,
      "currTimestamp": 1587610599300
    },
    {
      "success": true,
      "message": "OK",
      "channelId": "262695450258182144",
      "wsUrl": "ws://192.168.1.221:8082/265280798544891904",
      "originWidth": 1280,
      "originHeight": 720,
      "currTimestamp": 1587610599650
    }
  ]
}
```

失败返回 json 数据:

```
{
  "success": false,
  "message": "当前摄像头已经正在推流",
  "code": 500,
  "timestamp": 1578465730418,
  "result": null
}
```

- 2020-04-23 修改 当某个通道推流异常 `success` 值为 `false`,多个通道彼此不影响

```
{
  "success": true,
```

```

"message": "success",
"code": 200,
"timestamp": 1587610672575,
"result": [
  {
    "success": true,
    "message": "OK",
    "channelId": "262695467899424768",
    "wsUrl": "ws://192.168.1.221:8082/265580358760665088",
    "originWidth": 1280,
    "originHeight": 720,
    "currTimestamp": 1587610671108
  },
  {
    "success": true,
    "message": "OK",
    "channelId": "262695450258182144",
    "wsUrl": "ws://192.168.1.221:8082/265280798544891904",
    "originWidth": 1280,
    "originHeight": 720,
    "currTimestamp": 1587610671346
  },
  {
    "success": false,
    "message": "rtsp 无法连
接: rtsp://admin:admin123@172.16.1.109:554/cam/realmonitor?channel=1&subtype=2&unicast=true&proto=Onvif",
    "channelId": "259766628474949632",
    "wsUrl": null,
    "originWidth": null,
    "originHeight": null,
    "currTimestamp": 1587610671547
  }
]
}

```

### 1.1.2 Action: stop

成功返回 json 数据:

```

{
  "success": true,
  "message": "关闭成功",
  "code": 200,

```

```

    "timestamp": 1578455570573,
    "result": null
}

```

失败返回 json 数据:

```

{
    "success": false,
    "message": "当前摄像头没有正在推流的进程",
    "code": 500,
    "timestamp": 1578455613537,
    "result": null
}

```

### 1.1.3 Action: restart

成功返回 json 数据:

- 单个

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1578723600996,
    "result": [
        "ws://192.168.1.134:8082/227940387065434112"
    ]
}

```

- 多个

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1578550683569,
    "result": [
        "ws://192.168.1.134:8082/227255628362420224",
        "ws://192.168.1.134:8082/226818145300516864"
    ]
}

```

失败返回 json 数据:

```

{
    "success": false,
    "message": "rtsp 无法连

```

接: <rtsp://admin:admin123@172.16.1.209:554/cam/realmonitor?channel=1&subtype=0&unicast=true&proto=Onvif>,

```
"code": 500,  
"timestamp": 1578550728145,  
"result": null  
}
```

#### 1.1.4 Action: refresh

成功返回 json 数据:

```
{  
  "success": true,  
  "message": "刷新成功",  
  "code": 200,  
  "timestamp": 1578635683316,  
  "result": null  
}
```

失败返回 json 数据:

```
{  
  "success": false,  
  "message": "channel:223961702524260352 未开启,不可刷新",  
  "code": 500,  
  "timestamp": 1578638212540,  
  "result": null  
}
```

注：前端需要每隔 10 秒或者更短进行刷新推流有效生命周期, 不然超过 15 秒会关闭 jpeg 的推流进程

#### 1.1.5 Action: status

成功返回 json 数据:



```

{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1578643261797,
  "result": [
    [
      {
        "id": "227927839922458624",
        "createBy": "admin",
        "createTime": "2020-01-10 16:00:56",
        "updateBy": "admin",
        "updateTime": "2020-01-10 16:00:56",
        "delFlag": 0,
        "cameraId": "223961656399499265",
        "channelId": "223961702524260352",
        "profileId": "223961702876581888",
        "wsUrl": "ws://192.168.1.134:8082/227927839922458624",
        "pid": 24220,
        "isRunning": 1,
        "destroyType": 0,
        "destroyTime": null
      }
    ],
    [
      {
        "id": "227940387065434112",
        "createBy": "admin",
        "createTime": "2020-01-10 16:00:57",
        "updateBy": "admin",
        "updateTime": "2020-01-10 16:00:57",
        "delFlag": 0,
        "cameraId": "223959750092525568",
        "channelId": "223959829402619904",
        "profileId": "223959830245675008",
        "wsUrl": "ws://192.168.1.134:8082/227940387065434112",
        "pid": 24251,
        "isRunning": 1,
        "destroyType": 0,
        "destroyTime": null
      }
    ],
    [
      {
        "id": "227927843223375872",
        "createBy": "admin",

```

```

        "createTime": "2020-01-10 14:02:00",
        "updateBy": "admin",
        "updateTime": "2020-01-10 14:02:00",
        "delFlag": 0,
        "cameraId": "223959750092525568",
        "channelId": "223959829402619904",
        "profileId": "223959847584927744",
        "wsUrl": "ws://192.168.1.134:8082/227927843223375872",
        "pid": 13293,
        "isRunning": 0,
        "destroyType": 2,
        "destroyTime": "2020-01-10 14:17:06"
    }
}
]
}

```

说明：根据提交的 `channelIds` 顺序返回 `Json` 数组,由于使用的码流不同(由启动时提供的分辨率参数决定,通常一个相机有 2-3 个码流),每个通道可能会存在多条记录.不过目前每个通道同时只能开启一个码流进行播放,开启子码流的时候会关闭主码流,反过来也是一样.

失败返回 `json` 数据:

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1578645610302,
    "result": [
        [
            {
                "id": "227927839922458624",
                "createBy": "admin",
                "createTime": "2020-01-10 16:00:56",
                "updateBy": "admin",
                "updateTime": "2020-01-10 16:00:56",
                "delFlag": 0,
                "cameraId": "223961656399499265",
                "channelId": "223961702524260352",
                "profileId": "223961702876581888",
                "wsUrl": "ws://192.168.1.134:8082/227927839922458624",
                "pid": 24220,
                "isRunning": 0,
            }
        ]
    ]
}

```

```

        "destroyType": 2,
        "destroyTime": "2020-01-10 16:16:06"
    }
],
[]
]
}

```

注: 正常不会返回 `success: false`, 如果某个 `channelId` 不存在推流记录, 则返回空数组

## 1.2 记录查询: GET

**RequestUrl:**

`http://192.168.1.134:8889/xboot/wsStream/getByCondition`

**Request Params:**

<code>cameraId</code>	<code>string</code>	相机 ID
<code>channelId</code>	<code>string</code>	通道 ID
<code>profileId</code>	<code>string</code>	通道对应属性 ID
<code>isRunnig</code>	<code>int</code>	当前是否运行 0-停止 1-运行

请求接口截图如下:

Key	Value	Description
<input checked="" type="checkbox"/> cameraId	223959750092525568	
<input checked="" type="checkbox"/> channelId	223959829402619904	
<input checked="" type="checkbox"/> profileId	223959830245675008	
<input checked="" type="checkbox"/> isRunning	0	

成功返回 json 数据:

```

{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1578649001069,
  "result": {
    "content": [
      {

```

```

        "id": "227940387065434112",
        "createBy": "admin",
        "createTime": "2020-01-10 16:00:57",
        "updateBy": "admin",
        "updateTime": "2020-01-10 16:00:57",
        "delFlag": 0,
        "cameraId": "223959750092525568",
        "channelId": "223959829402619904",
        "profileId": "223959830245675008",
        "wsUrl": "ws://192.168.1.134:8082/227940387065434112",
        "pid": 24251,
        "isRunning": 0,
        "destroyType": 2,
        "destroyTime": "2020-01-10 16:16:06"
    }
},
"pageable": {
    "sort": {
        "unsorted": true,
        "sorted": false,
        "empty": true
    },
    "offset": 0,
    "pageSize": 10,
    "pageNumber": 0,
    "paged": true,
    "unpaged": false
},
"totalElements": 1,
"totalPages": 1,
"last": true,
"sort": {
    "unsorted": true,
    "sorted": false,
    "empty": true
},
"first": true,
"size": 10,
"number": 0,
"numberOfElements": 1,
"empty": false
}
}

```

失败返回 json 数据 (不存在记录):

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1578649208612,
  "result": {
    "content": [],
    "pageable": {
      "sort": {
        "unsorted": true,
        "sorted": false,
        "empty": true
      },
      "offset": 0,
      "pageSize": 10,
      "pageNumber": 0,
      "paged": true,
      "unpaged": false
    },
    "totalElements": 0,
    "totalPages": 0,
    "last": true,
    "sort": {
      "unsorted": true,
      "sorted": false,
      "empty": true
    },
    "first": true,
    "size": 10,
    "number": 0,
    "numberOfElements": 0,
    "empty": true
  }
}
```

注: 如果该相机通道未曾开启过, 则为空的一个记录, 历史开启过的会有相应的上次开启时间 updateTime 和是否运行中 isRunning 属性.

## 1.3 附录 属性说明

### 1.3.1 WsStream 属性说明

id	唯一主键
createBy	添加者
createTime	添加时间
updateBy	修改者
updateTime	修改时间 用户每次开启或者重启的时间
delflag	伪删除标志位 0-正常 1-删除 暂未使用
cameraId	相机 ID
ChannelId	通道 ID
profileId	通道属性 ID
wsUrl	websocket 播放地址
pid	后台进程号
isRunning	运行状态, 只有 isRunning 为 1 时 才能播放 wsUrl 否则需要先行启动
destroyType	销毁类型, 1-手动调用 stop, 2-15 分钟超时未响应自动关闭
destroyTime	销毁时间

## 2 HLS 推流+持续录制管理

### 2.1 状态控制: POST

RequestUrl:

`http://192.168.1.134:8889/xboot/monitor/channel/{channelId}/{action}`

UrlParams:

channelId 摄像机通道号

例如: 223959829402619904

action 执行方法 取值范围 [start, stop, restart, status]

示例:

`http://192.168.1.134:8889/xboot/monitor/channel/223959829402619904/start`

#### 2.1.1 Action: start

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1578979368971,
  "result": {
    "id": 8,
    "name": null,
    "rtspUrl": "rtsp://admin:admin123@172.16.1.200:554/Streaming/Channels/101?transportmode=unicast&profile=Profile_1",
    "m3u8Url": "http://192.168.1.134:8082/172.16.1.200",
    "status": 1,
    "startTime": "2020-01-14 13:22:48.0",
    "endTime": null,
    "restartTime": null,
    "startDuration": 0,
    "pid": 13255,
    "cmd": "/bin/bash",
    "lastCheckTime": null,
    "exceptionMessage": null,
  }
}
```

```

        "exceptionHandleResult": "",
        "isPushException": 0,
        "memo": null,
        "cameraId": "223959750092525568",
        "channelId": "223959829402619904",
        "profileId": "223959830245675008"
    }
}

```

注：m3u8Url 为前端播放直播流地址,此时自动录制也同时启动,生成录制 MP4 文件

失败返回 json 数据:

```

{
    "success": false,
    "message": "您已启动,不可重复启动,如若需要重启请先停止",
    "code": 500,
    "timestamp": 1578973932391,
    "result": null
}

```

## 2.1.2 Action: stop

成功返回 json 数据:

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1578982952267,
    "result": {
        "id": 8,
        "name": null,
        "rtspUrl": "rtsp://admin:admin123@172.16.1.200:554/Streaming/Channels/101?transportmode=unicast&profile=Profile_1",
        "m3u8Url": "http://192.168.1.134:8082/172.16.1.200",
        "status": 0,
        "startTime": "2020-01-14 14:17:06.0",
        "endTime": "2020/01/14 14:22:32",
        "restartTime": null,
        "startDuration": 0,
        "pid": 0,
        "cmd": "",
        "lastCheckTime": null,
    }
}

```



```

        "exceptionMessage": null,
        "exceptionHandleResult": "",
        "isPushException": 0,
        "memo": null,
        "cameraId": "223959750092525568",
        "channelId": "223959829402619904",
        "profileId": "223959830245675008"
    }
}

```

注：m3u8Url 为前端播放直播流地址,此时自动录制也同时启动,生成录制 MP4 文件,status 为 1 表示已经启动方可播放。

失败返回 json 数据:

```

{
    "success": false,
    "message": "您未启动此摄像机, ip:172.16.1.200",
    "code": 500,
    "timestamp": 1578983035533,
    "result": null
}

```

### 2.1.3 Action: restart

成功返回 json 数据:

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1578983188243,
    "result": {
        "id": 8,
        "name": null,
        "rtspUrl": "rtsp://admin:admin123@172.16.1.200:554/Streaming/Channels/101?transportmode=unicast&profile=Profile_1",
        "m3u8Url": "http://192.168.1.134:8082/172.16.1.200",
        "status": 1,
        "startTime": "2020-01-14 14:26:28.0",
        "endTime": "2020-01-14 14:22:32.0",
        "restartTime": null,
        "startDuration": 0,
        "pid": 18027,
        "cmd": "/bin/bash",
    }
}

```

```

        "lastCheckTime": null,
        "exceptionMessage": null,
        "exceptionHandleResult": "",
        "isPushException": 0,
        "memo": null,
        "cameraId": "223959750092525568",
        "channelId": "223959829402619904",
        "profileId": "223959830245675008"
    }
}

```

注：主要区别于 **start** 当进程已存在的时候,会重新启动,而 **start** 则会终止操作.可以用于录制时间较长可能出现部分异常时候进行重启.

失败返回 json 数据:

```

{
    "success": false,
    "message": "rtsp 无法连
接: rtsp://admin:admin123@172.16.1.200:554/Streaming/Channels/101?transportmode=unicast&profile=Profile_1",
    "code": 500,
    "timestamp": 1578983221112,
    "result": null
}

```

## 2.1.4 Action: status

成功返回 json 数据:

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1578983894171,
    "result": {
        "id": 8,
        "name": null,
        "rtspUrl": "rtsp://admin:admin123@172.16.1.200:554/Streaming/Channels/101?transportmode=unicast&profile=Profile_1",
        "m3u8Url": "http://192.168.1.134:8082/172.16.1.200",
        "status": 1,
        "startTime": "2020-01-14 14:26:28.0",
        "endTime": "2020-01-14 14:22:32.0",
        "restartTime": null,
    }
}

```

```

        "startDuration": 0,
        "pid": 18027,
        "cmd": "/bin/bash",
        "lastCheckTime": null,
        "exceptionMessage": null,
        "exceptionHandleResult": "",
        "isPushException": 0,
        "memo": null,
        "cameraId": "223959750092525568",
        "channelId": "223959829402619904",
        "profileId": "223959830245675008"
    }
}

```

注: 主要根据 **status** 0-未开启 1-已开启

失败返回 json 数据:

```

{
    "success": false,
    "message": "当前通道不存在",
    "code": 500,
    "timestamp": 1578984479390,
    "result": null
}

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1578984541508,
    "result": null
}

```

注: 通道不存在的时候 **success** 为 **false**, 当从未开启过 **success** 为 **true**, **result** 则为 **null**.

## 2.2 记录查询: GET

### 2.2.1 单个-按主键查询

RequestUrl:

http://192.168.1.134:8889/xboot/localToFdfs/get/{id}

示例:

http://192.168.1.134:8889/xboot/localToFdfs/get/3150

UrlParams:

id          存储文件唯一标识

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1578988291912,
  "result": {
    "id": "3150",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": null,
    "path": "group2/M00/00/0C/rBABrF4daa2AHNwwDYwXlgM0GxQ106.mp4",
    "size": "227284886",
    "mid": 0,
    "createdAt": "2020-01-14 14:56:29",
    "memo": "upload success",
    "name": "20200114144129",
    "ip": "172.16.1.200",
    "status": 3,
    "uploadedAt": "2020-01-14 15:11:29",
    "uploadedFinishAt": "2020-01-14 15:11:44",
    "isDelete": 0,
    "deletedAt": null,
    "description": null,
    "uploadType": 0,
    "fileSuffix": "mp4",
```

```
"fileServer": "http://192.168.1.169/",
"duration": "00:08:35",
"resolution": "1920x1080",
"bitrate": "4015kb/s",
"area": {
  "id": "217486159482195968",
  "createBy": "jiang",
  "createTime": "2019-12-12 09:44:42",
  "updateBy": "admin",
  "updateTime": "2020-01-14 02:30:49",
  "delFlag": 0,
  "title": "独墅湖区 1",
  "parentId": "217486159482195968",
  "isParent": true,
  "level": 2,
  "sortOrder": 0.00,
  "parentTitle": null
},
"place": {
  "id": "218183587374043136",
  "createBy": "jiang",
  "createTime": "2019-12-14 07:56:01",
  "updateBy": "jiang",
  "updateTime": "2020-01-09 15:59:21",
  "delFlag": 0,
  "title": "十一号教学楼",
  "areaId": "217486159482195968",
  "areaTitle": null
},
"camera": {
  "id": "229694408897859584",
  "createBy": "admin",
  "createTime": "2020-01-15 02:15:59",
  "updateBy": "admin",
  "updateTime": "2020-01-15 02:15:59",
  "delFlag": 0,
  "name": "Hikvision",
  "ip": "172.16.1.85",
  "userName": "admin",
  "password": "admin123",
  "status": 1,
  "locat": "",
  "placeId": "218183587374043136",
  "placeTitle": null,
```

```

        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
}
}

```

注：访问文件：在 path 之前加上 <http://192.168.1.169/>即可。

示例：

<http://192.168.1.169/group2/M00/00/0C/rBABrF4daa2AHNwwDYwXlgMOGxQ106.mp4>

失败返回 json 数据 (不存在记录)：

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1578994598285,
    "result": null
}

```

## 2.2.2 多个-按条件查询

**RequestUrl:**

<http://192.168.1.134:8889/xboot/localToFdfs/getByCondition>

**Request Params:**

支持条件

上传的时间区段 startDate - endDate 包含边界  
 摄像头 ip ip  
 文件字节大小 minSize - maxSize 包含边界  
 上传服务器组 path 目前是两组 group1 or group2

是否删除	isDelete	默认-1 录制视频文件一个月过期 0 正常/1 过期
上传类型	uploadType	默认-1 两者都有 0-自动 监控录制 1-手动 用户上传
分页规则	pageNumber + pageSize	
排序规则	sort + order	

GET
http://192.168.1.134:8888/xboot/lxLocalToFdfs/getByCondition
Send
Save

<input checked="" type="checkbox"/>	startDate	2019-12-11 00:00:00	
<input checked="" type="checkbox"/>	endDate	2019-12-15 00:00:00	
<input checked="" type="checkbox"/>	ip	172.16.1.212	
<input checked="" type="checkbox"/>	minSize	4884519	
<input checked="" type="checkbox"/>	maxSize	38900852	
<input checked="" type="checkbox"/>	path	group1	
<input checked="" type="checkbox"/>	pageNumber	1	
<input checked="" type="checkbox"/>	pageSize	10	
<input checked="" type="checkbox"/>	sort	id	
<input checked="" type="checkbox"/>	order	desc	
	Key	Value	Description

新增条件

channelIds string 多个通道号, 以逗号分隔  
 例如: 223961702524260352, 223959829402619904

**keyword**      **string**      **关键词** 相机 ip/相机名称（新增）

请求接口截图如下（当前主要是一个时间区间 加上多个通道号进行获取）:

GET
http://192.168.1.134:8889/xboot/localToFdfs/getByCondition
Send
Save

<input checked="" type="checkbox"/>	startDate	2020-01-14 16:00:00	
<input checked="" type="checkbox"/>	endDate	2020-01-15 00:00:00	
<input checked="" type="checkbox"/>	channelIds	223961702524260352,223959829402619904	
	Key	Value	Description

Body
Cookies
Headers (8)
Test Results
Status: 200 OK Time: 473ms Size: 6.45 KB Save Response

Pretty
Raw
Preview
Visualize BETA
JSON

```

1  {
2    "success": true,
3    "message": "success",
4    "code": 200,
5    "timestamp": 1578996822604,
6    "result": {
7      "content": [
8        {
9          "id": "3155",
10         "createBy": null,
11         "createTime": null,
12         "updateBy": null,
13         "updateTime": null,
14         "delFlag": null,
15         "path": "group1/M00/00/0D/rBABq14dd7KA11o5DYyZb3_-owA174.mp4",
16         "size": "227318127",
17         "mid": 0,
18         "createdAt": "2020-01-14 16:11:29",
19         "memo": "upload success",

```

成功返回 json 数据:

```

{
  "success": true,
  "message": "success",

```

```
"code": 200,
"timestamp": 1578996822604,
"result": {
  "content": [
    {
      "id": "3155",
      "createBy": null,
      "createTime": null,
      "updateBy": null,
      "updateTime": null,
      "delFlag": null,
      "path": "group1/M00/00/0D/rBABq14dd7KAJ1o5DYyZb3_-owA174.mp4",
      "size": "227318127",
      "mid": 0,
      "createdAt": "2020-01-14 16:11:29",
      "memo": "upload success",
      "name": "20200114155629",
      "ip": "172.16.1.200",
      "status": 3,
      "uploadedAt": "2020-01-14 16:11:30",
      "uploadedFinishAt": "2020-01-14 16:11:32",
      "isDelete": 0,
      "deletedAt": null,
      "description": null,
      "uploadType": 0,
      "fileSuffix": "mp4",
      "fileServer": "http://192.168.1.169/",
      "cameraId": "223959750092525568",
      "channelId": "223959829402619904",
      "profileId": "223959830245675008",
      "duration": "00:08:35",
      "resolution": "1920x1080",
      "bitrate": "4015kb/s",
      "area": {
        "id": "217486159482195968",
        "createBy": "jiang",
        "createTime": "2019-12-12 09:44:42",
        "updateBy": "admin",
        "updateTime": "2020-01-14 02:30:49",
        "delFlag": 0,
        "title": "独墅湖区 1",
        "parentId": "217486159482195968",
        "isParent": true,
        "level": 2,
      }
    }
  ]
}
```



```

        "sortOrder": 0.00,
        "parentTitle": null
    },
    "place": {
        "id": "218183587374043136",
        "createBy": "jiang",
        "createTime": "2019-12-14 07:56:01",
        "updateBy": "jiang",
        "updateTime": "2020-01-09 15:59:21",
        "delFlag": 0,
        "title": "十一号教学楼",
        "areaId": "217486159482195968",
        "areaTitle": null
    },
    "camera": {
        "id": "229694408897859584",
        "createBy": "admin",
        "createTime": "2020-01-15 02:15:59",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "3156",
    "createBy": null,

```

```

"createTime": null,
"updateBy": null,
"updateTime": null,
"delFlag": null,
"path": "group2/M00/00/0D/rBABrF4dheiAZJrbBDSdwkQhpKk380.mp4",
"size": "70557122",
"mid": 8,
"createdAt": "2020-01-14 17:12:07",
"memo": "upload success",
"name": "20200114163905",
"ip": "172.16.1.200",
"status": 3,
"uploadedAt": "2020-01-14 17:12:07",
"uploadedFinishAt": "2020-01-14 17:12:11",
"isDelete": 0,
"deletedAt": null,
"description": null,
"uploadType": 0,
"fileSuffix": "mp4",
"fileServer": "http://192.168.1.169/",
"cameraId": "223959750092525568",
"channelId": "223959829402619904",
"profileId": "223959830245675008",
"area": {
  "id": "217486159482195968",
  "createBy": "jiang",
  "createTime": "2019-12-12 09:44:42",
  "updateBy": "admin",
  "updateTime": "2020-01-14 02:30:49",
  "delFlag": 0,
  "title": "独墅湖区1",
  "parentId": "217486159482195968",
  "isParent": true,
  "level": 2,
  "sortOrder": 0.00,
  "parentTitle": null
},
"place": {
  "id": "218183587374043136",
  "createBy": "jiang",
  "createTime": "2019-12-14 07:56:01",
  "updateBy": "jiang",
  "updateTime": "2020-01-09 15:59:21",
  "delFlag": 0,

```

```

        "title": "十一号教学楼",
        "areaId": "217486159482195968",
        "areaTitle": null
    },
    "camera": {
        "id": "229694408897859584",
        "createBy": "admin",
        "createTime": "2020-01-15 02:15:59",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "3157",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": null,
    "path": "group2/M00/00/0D/rBABrF4dheaARuXXAKX3p6c-wro803.mp4",
    "size": "10876839",
    "mid": 8,
    "createdAt": "2020-01-14 17:12:07",
    "memo": "upload success",
    "name": "20200114163223",

```

```
"ip": "172.16.1.200",
"status": 3,
"uploadedAt": "2020-01-14 17:12:07",
"uploadedFinishAt": "2020-01-14 17:12:08",
"isDelete": 0,
"deletedAt": null,
"description": null,
"uploadType": 0,
"fileSuffix": "mp4",
"fileServer": "http://192.168.1.169/",
"cameraId": "223959750092525568",
"channelId": "223959829402619904",
"profileId": "223959830245675008",
"area": {
  "id": "217486159482195968",
  "createBy": "jiang",
  "createTime": "2019-12-12 09:44:42",
  "updateBy": "admin",
  "updateTime": "2020-01-14 02:30:49",
  "delFlag": 0,
  "title": "独墅湖区 1",
  "parentId": "217486159482195968",
  "isParent": true,
  "level": 2,
  "sortOrder": 0.00,
  "parentTitle": null
},
"place": {
  "id": "218183587374043136",
  "createBy": "jiang",
  "createTime": "2019-12-14 07:56:01",
  "updateBy": "jiang",
  "updateTime": "2020-01-09 15:59:21",
  "delFlag": 0,
  "title": "十一号教学楼",
  "areaId": "217486159482195968",
  "areaTitle": null
},
"camera": {
  "id": "229694408897859584",
  "createBy": "admin",
  "createTime": "2020-01-15 02:15:59",
  "updateBy": "admin",
  "updateTime": "2020-01-15 02:15:59",
```

```

        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "3158",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": null,
    "path": "group2/M00/00/0D/rBABrF4dheiAVje_BFE-yY1n2dk551.mp4",
    "size": "72433353",
    "mid": 8,
    "createdAt": "2020-01-14 17:12:07",
    "memo": "upload success",
    "name": "20200114164345",
    "ip": "172.16.1.200",
    "status": 3,
    "uploadedAt": "2020-01-14 17:12:07",
    "uploadedFinishAt": "2020-01-14 17:12:11",
    "isDelete": 0,
    "deletedAt": null,
    "description": null,
    "uploadType": 0,
    "fileSuffix": "mp4",
    "fileServer": "http://192.168.1.169/",

```

```
"cameraId": "223959750092525568",
"channelId": "223959829402619904",
"profileId": "223959830245675008",
"area": {
  "id": "217486159482195968",
  "createBy": "jiang",
  "createTime": "2019-12-12 09:44:42",
  "updateBy": "admin",
  "updateTime": "2020-01-14 02:30:49",
  "delFlag": 0,
  "title": "独墅湖区1",
  "parentId": "217486159482195968",
  "isParent": true,
  "level": 2,
  "sortOrder": 0.00,
  "parentTitle": null
},
"place": {
  "id": "218183587374043136",
  "createBy": "jiang",
  "createTime": "2019-12-14 07:56:01",
  "updateBy": "jiang",
  "updateTime": "2020-01-09 15:59:21",
  "delFlag": 0,
  "title": "十一号教学楼",
  "areaId": "217486159482195968",
  "areaTitle": null
},
"camera": {
  "id": "229694408897859584",
  "createBy": "admin",
  "createTime": "2020-01-15 02:15:59",
  "updateBy": "admin",
  "updateTime": "2020-01-15 02:15:59",
  "delFlag": 0,
  "name": "Hikvision",
  "ip": "172.16.1.85",
  "userName": "admin",
  "password": "admin123",
  "status": 1,
  "locat": "",
  "placeId": "218183587374043136",
  "placeTitle": null,
  "type": 0,
```

```

        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "3159",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": null,
    "path": "group2/M00/00/0D/rBABrF4dheeAYEekARSGRrIFk7Q799.mp4",
    "size": "18122310",
    "mid": 8,
    "createdAt": "2020-01-14 17:12:07",
    "memo": "upload success",
    "name": "20200114163110",
    "ip": "172.16.1.200",
    "status": 3,
    "uploadedAt": "2020-01-14 17:12:08",
    "uploadedFinishAt": "2020-01-14 17:12:10",
    "isDelete": 0,
    "deletedAt": null,
    "description": null,
    "uploadType": 0,
    "fileSuffix": "mp4",
    "fileServer": "http://192.168.1.169/",
    "cameraId": "223959750092525568",
    "channelId": "223959829402619904",
    "profileId": "223959830245675008",
    "area": {
        "id": "217486159482195968",
        "createBy": "jiang",
        "createTime": "2019-12-12 09:44:42",
        "updateBy": "admin",
        "updateTime": "2020-01-14 02:30:49",
        "delFlag": 0,

```

```

        "title": "独墅湖区 1",
        "parentId": "217486159482195968",
        "isParent": true,
        "level": 2,
        "sortOrder": 0.00,
        "parentTitle": null
    },
    "place": {
        "id": "218183587374043136",
        "createBy": "jiang",
        "createTime": "2019-12-14 07:56:01",
        "updateBy": "jiang",
        "updateTime": "2020-01-09 15:59:21",
        "delFlag": 0,
        "title": "十一号教学楼",
        "areaId": "217486159482195968",
        "areaTitle": null
    },
    "camera": {
        "id": "229694408897859584",
        "createBy": "admin",
        "createTime": "2020-01-15 02:15:59",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
}

```



```

    },
    {
      "id": "3160",
      "createBy": null,
      "createTime": null,
      "updateBy": null,
      "updateTime": null,
      "delFlag": null,
      "path": "group2/M00/00/0D/rBABrF4dheiAORMJAcky10rUjCw296.mp4",
      "size": "29962964",
      "mid": 8,
      "createdAt": "2020-01-14 17:12:07",
      "memo": "upload success",
      "name": "20200114163307",
      "ip": "172.16.1.200",
      "status": 3,
      "uploadedAt": "2020-01-14 17:12:10",
      "uploadedFinishAt": "2020-01-14 17:12:11",
      "isDelete": 0,
      "deletedAt": null,
      "description": null,
      "uploadType": 0,
      "fileSuffix": "mp4",
      "fileServer": "http://192.168.1.169/",
      "cameraId": "223959750092525568",
      "channelId": "223959829402619904",
      "profileId": "223959830245675008",
      "area": {
        "id": "217486159482195968",
        "createBy": "jiang",
        "createTime": "2019-12-12 09:44:42",
        "updateBy": "admin",
        "updateTime": "2020-01-14 02:30:49",
        "delFlag": 0,
        "title": "独墅湖区 1",
        "parentId": "217486159482195968",
        "isParent": true,
        "level": 2,
        "sortOrder": 0.00,
        "parentTitle": null
      }
    },
    "place": {
      "id": "218183587374043136",
      "createBy": "jiang",

```

```

        "createTime": "2019-12-14 07:56:01",
        "updateBy": "jiang",
        "updateTime": "2020-01-09 15:59:21",
        "delFlag": 0,
        "title": "十一号教学楼",
        "areaId": "217486159482195968",
        "areaTitle": null
    },
    "camera": {
        "id": "229694408897859584",
        "createBy": "admin",
        "createTime": "2020-01-15 02:15:59",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "3161",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": null,
    "path": "group2/M00/00/0D/rBABrF4diWqAJIIRAo7Q9uFzYto301.mp4",
    "size": "42914038",

```

```

"mid": 8,
"createdAt": "2020-01-14 17:12:07",
"memo": "upload success",
"name": "20200114170647",
"ip": "172.16.1.200",
"status": 3,
"uploadedAt": "2020-01-14 17:27:06",
"uploadedFinishAt": "2020-01-14 17:27:09",
"isDelete": 0,
"deletedAt": null,
"description": null,
"uploadType": 0,
"fileSuffix": "mp4",
"fileServer": "http://192.168.1.169/",
"cameraId": "223959750092525568",
"channelId": "223959829402619904",
"profileId": "223959830245675008",
"area": {
  "id": "217486159482195968",
  "createBy": "jiang",
  "createTime": "2019-12-12 09:44:42",
  "updateBy": "admin",
  "updateTime": "2020-01-14 02:30:49",
  "delFlag": 0,
  "title": "独墅湖区 1",
  "parentId": "217486159482195968",
  "isParent": true,
  "level": 2,
  "sortOrder": 0.00,
  "parentTitle": null
},
"place": {
  "id": "218183587374043136",
  "createBy": "jiang",
  "createTime": "2019-12-14 07:56:01",
  "updateBy": "jiang",
  "updateTime": "2020-01-09 15:59:21",
  "delFlag": 0,
  "title": "十一号教学楼",
  "areaId": "217486159482195968",
  "areaTitle": null
},
"camera": {
  "id": "229694408897859584",

```

```

        "createBy": "admin",
        "createTime": "2020-01-15 02:15:59",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "3162",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": null,
    "path": "group2/M00/00/0D/rBABrF4diWqAcblA5mBbHWezGg376.mp4",
    "size": "60391788",
    "mid": 8,
    "createdAt": "2020-01-14 17:12:07",
    "memo": "upload success",
    "name": "20200114163506",
    "ip": "172.16.1.200",
    "status": 3,
    "uploadedAt": "2020-01-14 17:27:06",
    "uploadedFinishAt": "2020-01-14 17:27:09",
    "isDelete": 0,
    "deletedAt": null,

```

```

"description": null,
"uploadType": 0,
"fileSuffix": "mp4",
"fileServer": "http://192.168.1.169/",
"cameraId": "223959750092525568",
"channelId": "223959829402619904",
"profileId": "223959830245675008",
"area": {
  "id": "217486159482195968",
  "createBy": "jiang",
  "createTime": "2019-12-12 09:44:42",
  "updateBy": "admin",
  "updateTime": "2020-01-14 02:30:49",
  "delFlag": 0,
  "title": "独墅湖区1",
  "parentId": "217486159482195968",
  "isParent": true,
  "level": 2,
  "sortOrder": 0.00,
  "parentTitle": null
},
"place": {
  "id": "218183587374043136",
  "createBy": "jiang",
  "createTime": "2019-12-14 07:56:01",
  "updateBy": "jiang",
  "updateTime": "2020-01-09 15:59:21",
  "delFlag": 0,
  "title": "十一号教学楼",
  "areaId": "217486159482195968",
  "areaTitle": null
},
"camera": {
  "id": "229694408897859584",
  "createBy": "admin",
  "createTime": "2020-01-15 02:15:59",
  "updateBy": "admin",
  "updateTime": "2020-01-15 02:15:59",
  "delFlag": 0,
  "name": "Hikvision",
  "ip": "172.16.1.85",
  "userName": "admin",
  "password": "admin123",
  "status": 1,

```

```

        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "3163",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": null,
    "path": "group1/M00/00/0D/rBABq14dicSAVZouAuz1H1vaX-M315.mp4",
    "size": "49083679",
    "mid": 8,
    "createdAt": "2020-01-14 17:12:07",
    "memo": "upload success",
    "name": "20200114164832",
    "ip": "172.16.1.200",
    "status": 3,
    "uploadedAt": "2020-01-14 17:28:37",
    "uploadedFinishAt": "2020-01-14 17:28:39",
    "isDelete": 0,
    "deletedAt": null,
    "description": null,
    "uploadType": 0,
    "fileSuffix": "mp4",
    "fileServer": "http://192.168.1.169/",
    "cameraId": "223959750092525568",
    "channelId": "223959829402619904",
    "profileId": "223959830245675008",
    "area": {
        "id": "217486159482195968",
        "createBy": "jiang",

```

```

        "createTime": "2019-12-12 09:44:42",
        "updateBy": "admin",
        "updateTime": "2020-01-14 02:30:49",
        "delFlag": 0,
        "title": "独墅湖区1",
        "parentId": "217486159482195968",
        "isParent": true,
        "level": 2,
        "sortOrder": 0.00,
        "parentTitle": null
    },
    "place": {
        "id": "218183587374043136",
        "createBy": "jiang",
        "createTime": "2019-12-14 07:56:01",
        "updateBy": "jiang",
        "updateTime": "2020-01-09 15:59:21",
        "delFlag": 0,
        "title": "十一号教学楼",
        "areaId": "217486159482195968",
        "areaTitle": null
    },
    "camera": {
        "id": "229694408897859584",
        "createBy": "admin",
        "createTime": "2020-01-15 02:15:59",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
    }
}

```

```

        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "3164",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": null,
    "path": "group1/M00/00/0D/rBABq14dic-AaU-WDYv5zT6aiYc857.mp4",
    "size": "227277261",
    "mid": 8,
    "createdAt": "2020-01-14 17:12:07",
    "memo": "upload success",
    "name": "20200114165147",
    "ip": "172.16.1.200",
    "status": 3,
    "uploadedAt": "2020-01-14 17:28:38",
    "uploadedFinishAt": "2020-01-14 17:28:49",
    "isDelete": 0,
    "deletedAt": null,
    "description": null,
    "uploadType": 0,
    "fileSuffix": "mp4",
    "fileServer": "http://192.168.1.169/",
    "cameraId": "223959750092525568",
    "channelId": "223959829402619904",
    "profileId": "223959830245675008",
    "area": {
        "id": "217486159482195968",
        "createBy": "jiang",
        "createTime": "2019-12-12 09:44:42",
        "updateBy": "admin",
        "updateTime": "2020-01-14 02:30:49",
        "delFlag": 0,
        "title": "独墅湖区 1",
        "parentId": "217486159482195968",
        "isParent": true,
        "level": 2,
        "sortOrder": 0.00,
        "parentTitle": null
    }
}

```



```

    },
    "place": {
      "id": "218183587374043136",
      "createBy": "jiang",
      "createTime": "2019-12-14 07:56:01",
      "updateBy": "jiang",
      "updateTime": "2020-01-09 15:59:21",
      "delFlag": 0,
      "title": "十一号教学楼",
      "areaId": "217486159482195968",
      "areaTitle": null
    },
    "camera": {
      "id": "229694408897859584",
      "createBy": "admin",
      "createTime": "2020-01-15 02:15:59",
      "updateBy": "admin",
      "updateTime": "2020-01-15 02:15:59",
      "delFlag": 0,
      "name": "Hikvision",
      "ip": "172.16.1.85",
      "userName": "admin",
      "password": "admin123",
      "status": 1,
      "locat": "",
      "placeId": "218183587374043136",
      "placeTitle": null,
      "type": 0,
      "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
      "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
      "serverMediaUri": "http://172.16.1.85/onvif/Media",
      "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
      "serverPtzUri": null,
      "serverEventsUri": "http://172.16.1.85/onvif/Events",
      "manufacturer": "HIKVISION",
      "intelligentDetection": null,
      "intelligentTransportation": null
    }
  }
},
"pageable": {
  "sort": {
    "sorted": false,
    "unsorted": true,

```

```

        "empty": true
    },
    "offset": 0,
    "pageSize": 10,
    "pageNumber": 0,
    "paged": true,
    "unpaged": false
},
"totalElements": 19,
"last": false,
"totalPages": 2,
"sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
},
"first": true,
"size": 10,
"number": 0,
"numberOfElements": 10,
"empty": false
}
}

```

注：访问文件：在 path 之前加上 <http://192.168.1.169/>即可。

示例：

<http://192.168.1.169/group2/M00/00/0C/rBABrF4daa2AHNwwDYwX1gM0GxQ106.mp4>

失败返回 json 数据 (不存在记录)：

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1578997330568,
    "result": {
        "content": [],
        "pageable": {
            "sort": {
                "sorted": false,
                "unsorted": true,
                "empty": true
            }
        }
    }
}

```

```

    },
    "offset": 0,
    "pageSize": 10,
    "pageNumber": 0,
    "paged": true,
    "unpaged": false
  },
  "totalElements": 0,
  "last": true,
  "totalPages": 0,
  "sort": {
    "sorted": false,
    "unsorted": true,
    "empty": true
  },
  "first": true,
  "size": 10,
  "number": 0,
  "numberOfElements": 0,
  "empty": true
}
}

```

注：V1.3 修改返回数据, 添加 camera, area, place 三个对象属性, 以及视频相关信息, 包括时长分辨率以及总比特率, 前端可以显示相机 IP 和名称以及区域场所名称进行表示, 由于不是同一阶段, 数据库有所变动, 添加的三个对象只是示范格式, 不一定是对应的, 只是在原来数据上增加, 以实际为准。

## 2.3 记录删除: DELETE

### RequestUrl:

http://192.168.1.134:8889/xboot/localToFdfs/deleteByIds/{ids}

### RequestMethod:

DELETE

### UrlParams:

ids 录制视频的唯一标识

例如:

- 单个 230440606235627520
- 多个 223961702524260352, 223959829402619904

示例：  
http://192.168.1.134:8889/xboot/localToFdfs/deleteByIds/2996,2997

成功返回 json 数据：

```
{
  "success": true,
  "message": "批量通过 id 删除数据成功",
  "code": 200,
  "timestamp": 1579420967829,
  "result": null
}
```

注： 如果不存在记录也不会报错，删除的同时会将文件一起删除

## 2.4 附录 属性说明

### 2.4.1 FdfsFiles 属性说明

参数名称	数据类型	属性描述	是否必填	最大长度
id	int	存储记录唯一标识	是	10
path	string	访问路径 需结合 fileServer 使用	是	255
size	int	文件大小 单位字节	是	10
mid	int	monitorPushStream 唯一标识	是	10
createdAt	string	上传时间 格式为:yyyy-MM-dd HH:mm:ss	是	64
memo	string	备注	否	255
name	string	视频文件的开始录制时间	是	255
ip	string	录制的摄像头 IP	是	255
status	int	处理状态 0-文件生成 投入队列 1-队列接收 投入异步任务池 2-开始上传 3-上传成功 4-上传失败	是	1

uploadedAt	string	上传开始时间	是	64
uploadedFinishAt	string	上传完成时间	是	64
isDelete	int	是否删除(0-未删除 1-删除) 删除了的话 文件将会删除 记录保存	否	1
deletedAt	string	删除时间	否	64
description	string	上传文件描述, 这里是系统自动录制视频, 可以忽略	否	255
uploadType	int	上传类型 (0-系统 自动上传 1-用户手动上传)	否	1
fileSuffix	string	文件后缀	否	32
fileServer	string	文件访问静态资源服务器 (+path 即为静态资源地址)	是	64
cameraId	string	相机 ID	否	255
channelId	string	通道 ID	否	255
profileId	string	通道属性 ID 关联多个码流信息	否	255
camera	object	相机完整对象属性	否	N
area	object	区域完整对象属性	否	N
place	object	场所完整对象属性	否	N
duration	string	视频时长, 格式 HH:mm:ss	否	32
resolution	string	视频分辨率, 格式 1920x1080	否	32
bitrate	string	视频比特率, 格式 4015kb/s	否	32

--- 以下五个为默认属性 暂未使用 ---

createBy        添加者  
createTime     添加时间  
updateBy       修改者  
updateTime    修改时间 用户每次开启或者重启的时间  
delFlag        伪删除标志位 0-正常 1-删除

## 3 用户手动录制管理

### 3.1 开始录制: POST

RequestUrl:

http://192.168.1.134:8889/xboot/monitorRecord/channel/{channelId}/record

UrlParams:

channelId 摄像机通道号

例如: 223959829402619904

Request Params:

beginTime 录制开始时间 格式 yyyy-MM-dd HH:mm:ss

endTime 录制结束时间 格式 yyyy-MM-dd HH:mm:ss

POST	http://192.168.1.134:8889/xboot/monitorRecord/channel/223959829402619904/record	Send	Save
<input checked="" type="checkbox"/>	beginTime	2020-01-19 17:50:00	
<input checked="" type="checkbox"/>	endTime	2020-01-19 17:55:28	
	Key	Value	Description

*或者直接传 duration 从当前时间开始录制 N 秒*

duration 录制时长 单位秒

POST	http://192.168.1.134:8889/xboot/monitorRecord/channel/223959829402619904/record	Send	Save
<input checked="" type="checkbox"/>	duration	1200	
<input type="checkbox"/>	beginTime	Text 2020-01-19 10:50:00	×
<input type="checkbox"/>	endTime	2020-01-19 10:55:28	
	Key	Value	Description

**注:当前要求时长 2 小时以内**

示例:

http://192.168.1.134:8889/xboot/monitorRecord/channel/223959829402619904/record

beginTime 2020-01-20 18:10:00

endTime 2020-01-20 18:18:28

或者

duration 1200

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1579506221722,
  "result": {
    "id": "231588833794199552",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": 0,
    "monitorPushStreamId": 8,
    "cameraId": "223959750092525568",
    "channelId": "223959829402619904",
    "profileId": "223959830245675008",
    "duration": null,
    "status": 1,
    "errmsg": null,
    "fileServer": "http://192.168.1.169/",
    "videoPath": null,
    "coverPath": "group2/M00/00/0D/rBABrF4lWiuACyfQAAEp810WlH8742.jpg",
    "videoSize": null,
    "beginTime": "2020-01-20 18:10:00",
    "endTime": "2020-01-20 18:18:28",
    "estimatedTime": "2020-01-20 18:30:23"
  }
}
```

注：返回的是存储的一个对象,记录了相关信息,**status 1**表示进行中,**coverPath**为当前截图可用作视频封面,具体说明见附录。

- 新增 **estimatedTime** 表示预计录制完成时间。
- 新增 **areaId,placeId** 表示区域场所 ID

失败返回 json 数据:

```
{
  "success": false,
  "message": "您已经开始录制 录制时间为: 2020-01-19 10:50:00",
}
```

```

"code": 500,
"timestamp": 1579402252017,
"result": null
}

```

注：每个用户每个通道当前只能有一个任务,录制起始时间需要大于等于当前的时间,录制结束时间需要大于当前时间

## 3.2 结束录制: POST

**RequestUrl:**

`http://192.168.1.134:8889/xboot/monitorRecord/record/{recordId}/end`

**UrlParams:**

`recordId` 用户开启的录制唯一标识 即上面开启返回对象中的 `id`  
例如: 231150182098538496

示例:

`http://192.168.1.134:8889/xboot/monitorRecord/record/231150182098538496/end`

### 3.2.1 传入时间参数关闭

POST		http://192.168.1.134:8889/xboot/monitorRecord/record/231156947447975936/end		Send
<input checked="" type="checkbox"/>	beginTime	Text	2020-01-19 11:12:00	
<input checked="" type="checkbox"/>	endTime		2020-01-19 11:22:00	
	Key	Value	Description	

POST		http://192.168.1.134:8889/xboot/monitorRecord/record/231156947447975936/end		Send
<input checked="" type="checkbox"/>	beginTime		2020-01-19 11:15:00	
<input type="checkbox"/>	endTime		2020-01-19 11:25:00	

POST		http://192.168.1.134:8889/xboot/monitorRecord/record/231156947447975936/end		Send	Save
<input checked="" type="checkbox"/>	endTime		2020-01-19 11:25:00		
	Key	Value	Description		



成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1579404299676,
  "result": {
    "id": "231156947447975936",
    "createBy": "admin",
    "createTime": "2020-01-19 11:07:32",
    "updateBy": "admin",
    "updateTime": "2020-01-19 11:24:59",
    "delFlag": 0,
    "monitorPushStreamId": 8,
    "cameraId": "223959750092525568",
    "channelId": "223959829402619904",
    "profileId": "223959830245675008",
    "duration": null,
    "status": 1,
    "errmsg": null,
    "fileServer": "http://192.168.1.169/",
    "videoPath": null,
    "coverPath": null,
    "videoSize": null,
    "beginTime": "2020-01-19 11:15:00",
    "endTime": "2020-01-19 11:25:00"
  }
}
```

失败返回 json 数据 (传入不存在的 recordId):

```
{
  "success": false,
  "message": "当前录制记录不存在",
  "code": 500,
  "timestamp": 1579404363990,
  "result": null
}
```

注：重新设置录制时间 不过录制开始时间不可以比原先的更早.否则出现如下错误提示.beginTime 默认为原来设置时间 endTime 默认为当前时间

POST http://192.168.1.134:8889/xboot/monitorRecord/record/231156947447975936/end

beginTime 2020-01-19 11:03:00  
endTime 2020-01-19 11:20:00

Key Value Description

Status: 200 OK Time: 38ms Size: 407 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {  
2   "success": false,  
3   "message": "录制起始时间不可向前推移",  
4   "code": 500,  
5   "timestamp": 1579403806930,  
6   "result": null  
7 }
```

### 3.2.2 直接关闭

POST http://192.168.1.134:8889/xboot/monitorRecord/record/230534023993102336/end

Send Save

Pretty Raw Preview Visualize BETA JSON

```
1 {  
2   "success": true,  
3   "message": "success",  
4   "code": 200,  
5   "timestamp": 157925593503,  
6   "result": {  
7     "id": "230534023993102336",  
8     "createBy": "admin",  
9     "createTime": "2020-01-17 17:52:15",  
10    "updateBy": "admin",  
11    "updateTime": "2020-01-17 18:06:33",  
12    "delFlag": 0,  
13    "monitorPushStreamId": 8,  
14    "cameraId": "223959750092525568",  
15    "channelId": "223959829402619904",  
16    "profileId": "223959830245675008",  
17    "duration": null,  
18    "status": 1,  
19    "fileServer": "http://192.168.1.169/",  
20    "videoPath": null,  
21    "coverPath": null,  
22    "videoSize": null,  
23    "beginTime": "2020-01-17 17:52:15",  
24    "endTime": "2020-01-17 18:06:33"  
25  }  
26 }
```

### 3.3 取消录制: POST

**RequestUrl:**

`http://192.168.1.134:8889/xboot/monitorRecord/record/{recordId}/cancel`

**UrlParams:**

`recordId` 用户开启的录制唯一标识 即上面开启返回对象中的 id  
例如: 231150182098538496

示例:

`http://192.168.1.134:8889/xboot/monitorRecord/record/231244988032225280/cancel`

成功返回 json 数据:

```
{
  "success": true,
  "message": "取消成功",
  "code": 200,
  "timestamp": 1579427341744,
  "result": null
}
```

失败返回 json 数据 :

(1 传入不存在的 recordId

```
{
  "success": false,
  "message": "当前不存在相应录制任务",
  "code": 500,
  "timestamp": 1579427221209,
  "result": null
}
```

(2 recordId 对应的录制已完成

```
{  
  "success": false,  
  "message": "当前录制任务已完成,不可取消",  
  "code": 500,  
  "timestamp": 1579427675687,  
  "result": null  
}
```

## 3.4 记录查询: GET

### 3.4.1 单个-按主键查询

RequestUrl:

http://192.168.1.134:8889/xboot/monitorRecord/get/{id}

示例:

http://192.168.1.134:8889/xboot/monitorRecord/get/231156947447975936

UrlParams:

id          唯一标识

成功返回 json 数据:

```
{  
  "success": true,  
  "message": "success",  
  "code": 200,  
  "timestamp": 1579405251187,  
  "result": {  
    "id": "231156947447975936",  
    "createBy": "admin",  
    "createTime": "2020-01-19 11:07:32",  
    "updateBy": "admin",  
    "updateTime": "2020-01-19 11:33:05",  
    "delFlag": 0,  
    "monitorPushStreamId": 8,  
    "cameraId": "223959750092525568",  
    "channelId": "223959829402619904",  
    "profileId": "223959830245675008",  
    "duration": 600,  
    "status": 2,  
    "errmsg": null,  
  }  
}
```

```
"fileServer": "http://192.168.1.169/",
"videoPath": "group1/M00/00/0E/rBABq14jze-ATz9lCQfao6S9aTU747.mp4",
"coverPath": null,
"videoSize": "151509667",
"beginTime": "2020-01-19 11:15:00",
"endTime": "2020-01-19 11:25:00",
"estimatedTime": "2020-01-19 11:35:00",
"area": {
  "id": "217486159482195968",
  "createBy": "jiang",
  "createTime": "2019-12-12 09:44:42",
  "updateBy": "admin",
  "updateTime": "2020-01-14 02:30:49",
  "delFlag": 0,
  "title": "独墅湖区1",
  "parentId": "217486159482195968",
  "isParent": true,
  "level": 2,
  "sortOrder": 0.00,
  "parentTitle": null
},
"place": {
  "id": "218183587374043136",
  "createBy": "jiang",
  "createTime": "2019-12-14 07:56:01",
  "updateBy": "jiang",
  "updateTime": "2020-01-09 15:59:21",
  "delFlag": 0,
  "title": "十一号教学楼",
  "areaId": "217486159482195968",
  "areaTitle": null
},
"camera": {
  "id": "229694408897859584",
  "createBy": "admin",
  "createTime": "2020-01-15 02:15:59",
  "updateBy": "admin",
  "updateTime": "2020-01-15 02:15:59",
  "delFlag": 0,
  "name": "Hikvision",
  "ip": "172.16.1.85",
  "userName": "admin",
  "password": "admin123",
  "status": 1,
```

```

        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
}
}

```

失败返回 json 数据 (不存在记录):

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1579405352751,
    "result": null
}

```

### 3.4.2 多个-按条件查询

**RequestUrl:**

http://192.168.1.134:8889/xboot/monitorRecord/getByCondition

**Request Params:**

onlySelf	int	只查看自己的 0-所有 1-只看自己, 默认 1
cameraId	string	相机 ID
channelId	string	通道 ID
profileId	string	通道对应属性 ID
status	int	录制状态 0-未知 1-进行中 2-已完成 3-失败 默认所有-1
startDate	string	录制开始时间范围 起 格式 yyyy-MM-dd HH:mm:ss

endDate	string	录制结束时间范围 止 格式 yyyy-MM-dd HH:mm:ss
minSize	int	文件最小字节数
maxSize	int	文件最大字节数
minDuration	int	录制的时长范围 最小
maxDutation	int	录制的时长范围 最大
ip	string	相机 ip 关键字 <b>（新增）</b>
keyword	string	<b>关键词 相机 ip/相机名称（新增）</b>

-----	默认规则	-----
pageNumber	int	页数
pageSize	int	每页数量
sort	string	排序的字段名称
order	string	排序的顺序 asc/desc

请求接口截图如下：

The screenshot shows a REST client interface with a GET request to the URL `http://192.168.1.134:8889/xboot/monitorRecord/getByCondition`. The request body contains the following parameters:

Key	Value	Description
<input checked="" type="checkbox"/> onlySelf	1	
<input checked="" type="checkbox"/> camerald	223959750092525568	
<input checked="" type="checkbox"/> channelld	Text 223959829402619904	
<input checked="" type="checkbox"/> profileld	223959830245675008	
<input checked="" type="checkbox"/> status	2	
<input checked="" type="checkbox"/> startDate	2020-01-14 16:00:00	
<input checked="" type="checkbox"/> endDate	2020-01-20 00:00:00	
<input checked="" type="checkbox"/> minSize	151509667	
<input checked="" type="checkbox"/> maxSize	351509667	
<input checked="" type="checkbox"/> minDuration	600	
<input checked="" type="checkbox"/> maxDuration	3600	
<input checked="" type="checkbox"/> pageNumber	1	
<input checked="" type="checkbox"/> pageSize	10	
<input checked="" type="checkbox"/> sort	duration	
<input checked="" type="checkbox"/> order	desc	

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1579417033364,
  "result": {
    "content": [
      {
        "id": "230534023993102336",
        "createBy": "admin",
        "createTime": "2020-01-17 17:52:15",
        "updateBy": "admin",
        "updateTime": "2020-01-17 18:16:23",
        "delFlag": 0,
        "monitorPushStreamId": 8,
        "cameraId": "223959750092525568",
        "channelId": "223959829402619904",
        "profileId": "223959830245675008",
        "duration": 1020,
        "status": 2,
        "errmsg": null,
        "fileServer": "http://192.168.1.169/",
        "videoPath": "group2/M00/00/0D/rBABrF4hiXGAZKQaD1oKONKnXkI166.mp4",
        "coverPath": null,
        "videoSize": "257559096",
        "beginTime": "2020-01-17 17:53:00",
        "endTime": "2020-01-17 18:10:00",
        "estimatedTime": "2020-01-17 18:20:00",
        "area": {
          "id": "217486159482195968",
          "createBy": "jiang",
          "createTime": "2019-12-12 09:44:42",
          "updateBy": "admin",
          "updateTime": "2020-01-14 02:30:49",
          "delFlag": 0,
          "title": "独墅湖区1",
          "parentId": "217486159482195968",
          "isParent": true,
          "level": 2,
          "sortOrder": 0.00,
          "parentTitle": null
        },
      },
      {
        "place": {
```



```

        "id": "218183587374043136",
        "createBy": "jiang",
        "createTime": "2019-12-14 07:56:01",
        "updateBy": "jiang",
        "updateTime": "2020-01-09 15:59:21",
        "delFlag": 0,
        "title": "十一号教学楼",
        "areaId": "217486159482195968",
        "areaTitle": null
    },
    "camera": {
        "id": "229694408897859584",
        "createBy": "admin",
        "createTime": "2020-01-15 02:15:59",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "230492980778110976",
    "createBy": "admin",
    "createTime": "2020-01-17 15:09:10",
    "updateBy": "admin",
    "updateTime": "2020-01-17 15:37:41",
    "delFlag": 0,

```

```

"monitorPushStreamId": 8,
"cameraId": "223959750092525568",
"channelId": "223959829402619904",
"profileId": "223959830245675008",
"duration": 600,
"status": 2,
"errmsg": null,
"fileServer": "http://192.168.1.169/",
"videoPath": "group1/M00/00/0E/rBABq14hZEOABw7MCXQOfOVd7mE478.mp4",
"coverPath": null,
"videoSize": "158600828",
"beginTime": "2020-01-17 15:15:00",
"endTime": "2020-01-17 15:25:28",
"estimatedTime": "2020-01-17 15:28:28",
"area": {
  "id": "217486159482195968",
  "createBy": "jiang",
  "createTime": "2019-12-12 09:44:42",
  "updateBy": "admin",
  "updateTime": "2020-01-14 02:30:49",
  "delFlag": 0,
  "title": "独墅湖区1",
  "parentId": "217486159482195968",
  "isParent": true,
  "level": 2,
  "sortOrder": 0.00,
  "parentTitle": null
},
"place": {
  "id": "218183587374043136",
  "createBy": "jiang",
  "createTime": "2019-12-14 07:56:01",
  "updateBy": "jiang",
  "updateTime": "2020-01-09 15:59:21",
  "delFlag": 0,
  "title": "十一号教学楼",
  "areaId": "217486159482195968",
  "areaTitle": null
},
"camera": {
  "id": "229694408897859584",
  "createBy": "admin",
  "createTime": "2020-01-15 02:15:59",
  "updateBy": "admin",

```

```

        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "231156947447975936",
    "createBy": "admin",
    "createTime": "2020-01-19 11:07:32",
    "updateBy": "admin",
    "updateTime": "2020-01-19 11:33:05",
    "delFlag": 0,
    "monitorPushStreamId": 8,
    "cameraId": "223959750092525568",
    "channelId": "223959829402619904",
    "profileId": "223959830245675008",
    "duration": 600,
    "status": 2,
    "errmsg": null,
    "fileServer": "http://192.168.1.169/",
    "videoPath": "group1/M00/00/0E/rBABq14jze-ATz9lCQfao6S9aTU747.mp4",
    "coverPath": null,
    "videoSize": "151509667",
    "beginTime": "2020-01-19 11:15:00",
    "endTime": "2020-01-19 11:25:00",
    "estimatedTime": "2020-01-19 11:35:00",
    "area": {

```

```

        "id": "217486159482195968",
        "createBy": "jiang",
        "createTime": "2019-12-12 09:44:42",
        "updateBy": "admin",
        "updateTime": "2020-01-14 02:30:49",
        "delFlag": 0,
        "title": "独墅湖区1",
        "parentId": "217486159482195968",
        "isParent": true,
        "level": 2,
        "sortOrder": 0.00,
        "parentTitle": null
    },
    "place": {
        "id": "218183587374043136",
        "createBy": "jiang",
        "createTime": "2019-12-14 07:56:01",
        "updateBy": "jiang",
        "updateTime": "2020-01-09 15:59:21",
        "delFlag": 0,
        "title": "十一号教学楼",
        "areaId": "217486159482195968",
        "areaTitle": null
    },
    "camera": {
        "id": "229694408897859584",
        "createBy": "admin",
        "createTime": "2020-01-15 02:15:59",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
    }
}

```

```

        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
}
],
"pageable": {
    "sort": {
        "sorted": true,
        "unsorted": false,
        "empty": false
    },
    "offset": 0,
    "pageSize": 10,
    "pageNumber": 0,
    "paged": true,
    "unpaged": false
},
"totalElements": 3,
"totalPages": 1,
"last": true,
"sort": {
    "sorted": true,
    "unsorted": false,
    "empty": false
},
"first": true,
"size": 10,
"number": 0,
"numberOfElements": 3,
"empty": false
}
}

```

失败返回 json 数据 (不存在记录):

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1579417192142,
    "result": {

```

```
    "content": [],
    "pageable": {
      "sort": {
        "sorted": true,
        "unsorted": false,
        "empty": false
      },
      "offset": 0,
      "pageSize": 10,
      "pageNumber": 0,
      "paged": true,
      "unpaged": false
    },
    "totalElements": 0,
    "totalPages": 0,
    "last": true,
    "sort": {
      "sorted": true,
      "unsorted": false,
      "empty": false
    },
    "first": true,
    "size": 10,
    "number": 0,
    "numberOfElements": 0,
    "empty": true
  }
}
```

注：V1.3 修改返回数据，添加 camera, area, place 三个对象属性，前端可以显示相机 IP 和名称以及区域场所名称进行表示，由于不是同一阶段，数据库有所变动，添加的三个对象只是示范格式，不一定是对应的，只是在原来数据上增加，以实际为准。

### 3.5 录制文件下载: GET

RequestUrl:

<http://192.168.1.134:8889/xboot/monitorRecord/download?path={path}&accessToken={accessToken}>

示例:

[http://192.168.1.134:8889/xboot/monitorRecord/download?path=group1/M00/00/0E/rBABq14jxt2AK0rpB0\\_c0fARBv8649.mp4&accessToken=0c1008c950c24b1ead6323a41b166f22](http://192.168.1.134:8889/xboot/monitorRecord/download?path=group1/M00/00/0E/rBABq14jxt2AK0rpB0_c0fARBv8649.mp4&accessToken=0c1008c950c24b1ead6323a41b166f22)

注: path 为 videoPath 或者 coverPath, accessToken 为前端保存在 localStorage 中的值. 接口默认都会需要认证, 请在 header 或参数中添加 accessToken.

### 3.6 删除记录以及文件: DELETE

RequestUrl:

<http://192.168.1.134:8889/xboot/monitorRecord/delByIds/{recordIds}>

UrlParams:

recordIds 录制的唯一标识

例如:

- 单个 230440606235627520
- 多个 223961702524260352, 223959829402619904

示例:

<http://192.168.1.134:8889/xboot/monitorRecord/delByIds/230440606235627520>

成功返回 json 数据:

```
{
  "success": true,
  "message": "批量通过 id 删除数据成功 共计:1 条",
  "code": 200,
  "timestamp": 1579420967829,
  "result": null
}
```

注：如果不存在记录也不会报错，删除的同时会将视频文件以及封面图片一起删除

## 3.7 附录 属性说明

### 3.7.1 CameraRecord 属性说明

参数名称	数据类型	属性描述	是否必填	最大长度
id	string	存储记录唯一标识	是	255
monitorPushStreamId	string	推流管理表 ID	是	255
cameraId	string	相机 ID	否	255
channelId	string	通道 ID	否	255
profileId	string	通道属性 ID 关联多个码流信息	否	255
duration	int	录制时长 单位:秒	否	10
status	int	录制状态 0-未知 1-进行中 2-已完成 3-失败	是	1
errmsg	string	失败原因	是	255
fileServer	string	文件访问静态资源服务器 (+path 即为静态资源地址)	是	64
videoPath	string	视频访问路径	否	255
coverPath	string	封面图片	否	255
videoSize	int	视频字节数	否	10
beginTime	string	开始录像时间 格式为:yyyy-MM-dd HH:mm:ss	是	32
endTime	string	结束录像时间 格式为 :yyyy-MM-dd HH:mm:ss	是	32
estimatedTime	string	预计完成录像时间 格式 为:yyyy-MM-dd HH:mm:ss，需要等待 endTime 达到后 进行处理，预计处理 完毕的时间	否	32
areaId	string	区域 ID	否	255
placeId	string	场所 ID	否	255



## 4 用户手动截图管理

### 4.1 即时截图: GET

RequestUrl:

http://192.168.1.134:8889/xboot/snapshot/channel/{channelId}

UrlParams:

channelId 摄像机通道号

例如: 223959829402619904

示例:

http://192.168.1.134:8889/xboot/snapshot/channel/2239598294026199041

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1579497168482,
  "result": "http://192.168.1.169/group2/M00/00/0D/rBABrF41Ns6AHZwgAAEi-VaXIKI299.jpg"
}
```

注: 返回的 **result** 即图片访问路径

失败返回 json 数据:

```
{
  "success": false,
  "message": "当前通道不存在",
  "code": 500,
  "timestamp": 1579497292908,
  "result": null
}
```

### 4.2 下载截图: GET

RequestUrl:

http://192.168.1.134:8889/xboot/snapshot/download?path={path}&accessToken={accessToken}

Request Params:

参数名称	参数类型	参数描述
path	string	图片路径 如 4.1 返回结果中 result 字符串, 形如>http://192.168.1.169/group2/M00/00/0D/rBABrF410PyAWTXqAAEsIf3e1xs883.jpg 或 group2/M00/00/0D/rBABrF410PyAWTXqAAEsIf3e1xs883.jpg
accessToken	string	前端保存在 localStorage 中的用户授权码, 需要在 header 或参数中添加

示例:

http://192.168.1.134:8889/xboot/snapshot/download?path=http://192.168.1.169/group2/M00/00/0D/rBABrF41It0AbPm2AAEpayMAv5Q400.jpg&accessToken=b54cbe27bceb425897c4cb5blec117da

## 4.3 记录查询: GET

### 4.3.1 单个-按主键查询

RequestUrl:

http://192.168.1.134:8889/xboot/snapshot/get/{id}

示例:

http://192.168.1.134:8889/xboot/snapshot/get/231553199411040256

UrlParams:

id          唯一标识

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1579498998658,
  "result": {
    "id": "231553199411040256",
    "createBy": "admin",
    "createTime": "2020-01-20 13:22:06",
```

```

"updateBy": "admin",
"updateTime": "2020-01-20 13:22:06",
"delFlag": 0,
"cameraId": "223959750092525568",
"channelId": "223959829402619904",
"profileId": "223959830245675008",
"filePath": "group2/M00/00/0D/rBABrF41OPyAWTXqAAEsIf3e1xs883.jpg",
"fileSize": 76833,
"fileServer": "http://192.168.1.169/",
"area": {
  "id": "217486159482195968",
  "createBy": "jiang",
  "createTime": "2019-12-12 09:44:42",
  "updateBy": "admin",
  "updateTime": "2020-01-14 02:30:49",
  "delFlag": 0,
  "title": "独墅湖区 1",
  "parentId": "217486159482195968",
  "isParent": true,
  "level": 2,
  "sortOrder": 0.00,
  "parentTitle": null
},
"place": {
  "id": "218183587374043136",
  "createBy": "jiang",
  "createTime": "2019-12-14 07:56:01",
  "updateBy": "jiang",
  "updateTime": "2020-01-09 15:59:21",
  "delFlag": 0,
  "title": "十一号教学楼",
  "areaId": "217486159482195968",
  "areaTitle": null
},
"camera": {
  "id": "229694408897859584",
  "createBy": "admin",
  "createTime": "2020-01-15 02:15:59",
  "updateBy": "admin",
  "updateTime": "2020-01-15 02:15:59",
  "delFlag": 0,
  "name": "Hikvision",
  "ip": "172.16.1.85",
  "userName": "admin",

```

```

        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
}
}

```

失败返回 json 数据 (不存在记录):

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1579499044313,
    "result": null
}

```

### 4.3.2 多个-按条件查询

RequestUrl:

http://192.168.1.134:8889/xboot/snapshot/getByCondition

Request Params:

onlySelf	int	只查看自己的 0-所有 1-只看自己, 默认 1
cameraId	string	相机 ID
channelId	string	通道 ID
profileId	string	通道对应属性 ID
startDate	string	截图开始时间范围 起 格式 yyyy-MM-dd HH:mm:ss

endDate	string	截图结束时间范围 止 格式 yyyy-MM-dd HH:mm:ss
minSize	int	文件最小字节数
maxSize	int	文件最大字节数
ip	string	相机 ip 关键字 <b>（新增）</b>
keyword	string	<b>关键词 相机 ip/相机名称（新增）</b>

-----	默认规则	-----
pageNumber	int	页数
pageSize	int	每页数量
sort	string	排序的字段名称
order	string	排序的顺序 asc/desc

请求接口截图如下：

Method	URL	Send	Save
GET	http://192.168.1.134:8889/xboot/snapshot/getByCondition	Send	Save

<input checked="" type="checkbox"/>	onlySelf	1	
<input checked="" type="checkbox"/>	cameralId	223959750092525568	
<input checked="" type="checkbox"/>	channelId	223959829402619904	
<input checked="" type="checkbox"/>	profileId	223959830245675008	
<input checked="" type="checkbox"/>	startDate	2020-01-14 16:00:00	
<input checked="" type="checkbox"/>	endDate	2020-01-22 00:00:00	
<input checked="" type="checkbox"/>	minSize	76139	
<input checked="" type="checkbox"/>	maxSize	100000	
<input checked="" type="checkbox"/>	pageNumber	1	
<input checked="" type="checkbox"/>	pageSize	10	
<input checked="" type="checkbox"/>	sort	fileSize	
<input checked="" type="checkbox"/>	order	desc	

成功返回 json 数据：

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1579501362949,
  "result": {
    "content": [
      {
```

```

    "id": "231553199411040256",
    "createBy": "admin",
    "createTime": "2020-01-20 13:22:06",
    "updateBy": "admin",
    "updateTime": "2020-01-20 13:22:06",
    "delFlag": 0,
    "cameraId": "223959750092525568",
    "channelId": "223959829402619904",
    "profileId": "223959830245675008",
    "filePath": "group2/M00/00/0D/rBABrF4lOPyAWTXqAAEsIf3e1xs883.jpg",
    "fileSize": 76833,
    "fileServer": "http://192.168.1.169/",
    "area": {
      "id": "217486159482195968",
      "createBy": "jiang",
      "createTime": "2019-12-12 09:44:42",
      "updateBy": "admin",
      "updateTime": "2020-01-14 02:30:49",
      "delFlag": 0,
      "title": "独墅湖区1",
      "parentId": "217486159482195968",
      "isParent": true,
      "level": 2,
      "sortOrder": 0.00,
      "parentTitle": null
    },
    "place": {
      "id": "218183587374043136",
      "createBy": "jiang",
      "createTime": "2019-12-14 07:56:01",
      "updateBy": "jiang",
      "updateTime": "2020-01-09 15:59:21",
      "delFlag": 0,
      "title": "十一号教学楼",
      "areaId": "217486159482195968",
      "areaTitle": null
    },
    "camera": {
      "id": "229694408897859584",
      "createBy": "admin",
      "createTime": "2020-01-15 02:15:59",
      "updateBy": "admin",
      "updateTime": "2020-01-15 02:15:59",
      "delFlag": 0,

```

```

        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
},
{
    "id": "231529405879422976",
    "createBy": "admin",
    "createTime": "2020-01-20 11:47:33",
    "updateBy": "admin",
    "updateTime": "2020-01-20 11:47:33",
    "delFlag": 0,
    "cameraId": "223959750092525568",
    "channelId": "223959829402619904",
    "profileId": "223959830245675008",
    "filePath": "group2/M00/00/0D/rBABrF4lIt0AbPm2AAEpayMAv5Q400.jpg",
    "fileSize": 76139,
    "fileServer": "http://192.168.1.169/",
    "area": {
        "id": "217486159482195968",
        "createBy": "jiang",
        "createTime": "2019-12-12 09:44:42",
        "updateBy": "admin",
        "updateTime": "2020-01-14 02:30:49",
        "delFlag": 0,
        "title": "独墅湖区 1",
        "parentId": "217486159482195968",
        "isParent": true,
        "level": 2,

```

```

        "sortOrder": 0.00,
        "parentTitle": null
    },
    "place": {
        "id": "218183587374043136",
        "createBy": "jiang",
        "createTime": "2019-12-14 07:56:01",
        "updateBy": "jiang",
        "updateTime": "2020-01-09 15:59:21",
        "delFlag": 0,
        "title": "十一号教学楼",
        "areaId": "217486159482195968",
        "areaTitle": null
    },
    "camera": {
        "id": "229694408897859584",
        "createBy": "admin",
        "createTime": "2020-01-15 02:15:59",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:15:59",
        "delFlag": 0,
        "name": "Hikvision",
        "ip": "172.16.1.85",
        "userName": "admin",
        "password": "admin123",
        "status": 1,
        "locat": "",
        "placeId": "218183587374043136",
        "placeTitle": null,
        "type": 0,
        "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
        "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
        "serverMediaUri": "http://172.16.1.85/onvif/Media",
        "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
        "serverPtzUri": null,
        "serverEventsUri": "http://172.16.1.85/onvif/Events",
        "manufacturer": "HIKVISION",
        "intelligentDetection": null,
        "intelligentTransportation": null
    }
}
],
"pageable": {
    "sort": {

```



```

        "sorted": true,
        "unsorted": false,
        "empty": false
    },
    "offset": 0,
    "pageSize": 10,
    "pageNumber": 0,
    "paged": true,
    "unpaged": false
},
"totalElements": 2,
"totalPages": 1,
"last": true,
"sort": {
    "sorted": true,
    "unsorted": false,
    "empty": false
},
"first": true,
"size": 10,
"number": 0,
"numberOfElements": 2,
"empty": false
}
}

```

失败返回 json 数据 (不存在记录):

```

{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1579501444581,
    "result": {
        "content": [],
        "pageable": {
            "sort": {
                "sorted": true,
                "unsorted": false,
                "empty": false
            },
            "offset": 0,
            "pageSize": 10,
            "pageNumber": 0,

```

```

        "paged": true,
        "unpaged": false
    },
    "totalElements": 0,
    "totalPages": 0,
    "last": true,
    "sort": {
        "sorted": true,
        "unsorted": false,
        "empty": false
    },
    "first": true,
    "size": 10,
    "number": 0,
    "numberOfElements": 0,
    "empty": true
}
}

```

注：V1.3 修改返回数据，添加 camera, area, place 三个对象属性，前端可以显示相机 IP 和名称以及区域场所名称进行表示，由于不是同一阶段，数据库有所变动，添加的三个对象只是示范格式，不一定是对应的，只是在原来数据上增加，以实际为准。

## 4.4 删除记录以及文件: DELETE

RequestUrl:

`http://192.168.1.134:8889/xboot/snapshot/delByIds/{snapshotIds}`

UrlParams:

snapshotIds 截图的唯一标识

例如:

- 单个 231553199411040256
- 多个 231553199411040256, 225104859303514112

示例:

`http://192.168.1.134:8889/xboot/snapshot/delByIds/231553199411040256, 225104859303514112`

请求响应截图如下:



成功返回 json 数据:

```
{
  "success": true,
  "message": "批量通过 id 删除数据成功 共计:2 条",
  "code": 200,
  "timestamp": 1579502503039,
  "result": null
}
```

注： 如果不存在记录也不会报错，删除的同时会将截图一起删除

## 4.5 附录 属性说明

### 4.5.1 CameraSnapshot 属性说明

参数名称	数据类型	属性描述	是否必填	最大长度
id	string	唯一标识	是	255
createBy	string	创建的用户名称	否	64
createTime	string	创建时间 格式为: yyyy-MM-dd HH:mm:ss	否	64
updateBy	string	更新的用户名称	否	64
updateTime	string	更新时间 格式为: yyyy-MM-dd	否	64

		HH:mm:ss		
delFlag	int	伪删除标记位 0-正常 1-删除	否	1
cameraId	string	相机 ID	否	255
channelId	string	通道 ID	否	255
profileId	string	通道属性 ID 关联多个码流信息	否	255
filePath	string	文件路径	否	255
fileSize	int	文件大小 单位：字节	否	10
fileServer	string	文件访问静态资源服务器 (+filePath 即为静态资源地址)	是	64

## 5 AI 管理

### 5.1 技能管理

#### 5.1.1 添加技能

Request URL:

http://192.168.1.134:8889/xboot/aiSkill/save

Request Method:

POST

Request Params:

参数名称	数据类型	属性描述	是否	最大长
name	string	ai 技能名称	是	255
description	string	技能描述	否	255
inputTopic	string	输入队列名称	是	255
inputBrokerUrl	string	输入的消息组件主机地址	是	255
outputTopic	string	输出队列名	是	255
outputBrokerUrl	string	输出的消息组件主机地址	是	255
baiduSerialNumber	string	百度 AI 序列号	是	255
baiduSdkLogPath	string	百度 SDK 日志路径	是	255
workThreadNumber	string	推理线程数	是	255
threshold	decimal	推理置信度阈值 0 到 1	是	10
file	application/zip	ai 训练模型压缩包 zip 格式，压缩包含有 conf.json, label_list, model, params, preprocess_args.json, ReadMe.txt 共计六个文件	是	1024M

接口说明:

添加技能的同时默认会开启此技能，返回属性中的 easyaiPid 或者 threadName 可能因为异步执行返回结果为 null，不影响使用，片刻开启成功后会自行填入

POST http://192.168.1.134:8889/xboot/aiSkill/save		Send	Save
<input checked="" type="checkbox"/>	name	物品智能分类	
<input checked="" type="checkbox"/>	description	根据物品外形进行划分种类	
<input checked="" type="checkbox"/>	inputTopic	Ai.Wupin.Category?consumer.retroactive=true	
<input checked="" type="checkbox"/>	inputBrokerUrl	tcp://192.168.1.134:61616	
<input checked="" type="checkbox"/>	outputTopic	Ai.Wupin.Category.Topic	
<input checked="" type="checkbox"/>	outputBrokerUrl	tcp://192.168.1.134:61616	
<input checked="" type="checkbox"/>	baiduSerialNumber	3E91-1E30-4226-D043	
<input checked="" type="checkbox"/>	baiduSdkLogPath	/home/ai/log/wupin.log	
<input checked="" type="checkbox"/>	workThreadNumber	4	
<input checked="" type="checkbox"/>	threshold	0.5	
<input checked="" type="checkbox"/>	file	wupin3.zip X	

请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1583992248116,
  "result": {
    "id": "250404580091760640",
    "createBy": null,
    "createTime": null,
    "updateBy": null,
    "updateTime": null,
    "delFlag": 0,
    "name": "物品智能分类 3",
    "description": "根据物品外形进行划分种类",
    "inputTopic": "Ai.Wupin.Category?consumer.retroactive=true",
    "inputBrokerUrl": "tcp://192.168.1.134:61616",
    "outputTopic": "Ai.Wupin.Category.Topic",
    "outputBrokerUrl": "tcp://192.168.1.134:61616",
    "modelPath": "/home/ai/model/wupin3",
    "modelSize": 21166834,
    "baiduSerialNumber": "3E91-1E30-4226-D043",
    "baiduSdkLogPath": "/home/ai/log/wupin.log",
    "workThreadNumber": 4,
    "threshold": 0.5,
    "status": 1,
    "javaInputTopic": null,
    "javaInputBrokerUrl": null,
    "javaOutputTopic": null,
    "javaOutputBrokerUrl": null,
  }
}
```

```
        "easyaiPid": 12620,  
        "threadName": "ai-listener-250404580091760640"  
    }  
}
```

失败返回 json 数据:

1. 模型文件格式非法

```
{  
    "success": false,  
    "message": "文件类型有误,只接受 zip 格式",  
    "code": 500,  
    "timestamp": 1582711709476,  
    "result": null  
}
```

2. 模型文件目录已经存在

```
{  
    "success": false,  
    "message": "模型文件目录 shoes 已经存在,不用重复上传",  
    "code": 500,  
    "timestamp": 1582711689720,  
    "result": null  
}
```

3. 模型文件内容不符

```
{  
    "success": false,  
    "message": "压缩包不符合要求,缺少以下文件: model,params,ReadMe.txt",  
    "code": 500,  
    "timestamp": 1582711627659,  
    "result": null  
}
```

4. 消息服务器地址 brokerUrl 错误 例如:tcp://192.168.1.134:61616

```
{  
    "success": false,  
    "message": "消息组件服务器无法访问",  
    "code": 500,  
    "timestamp": 1583992135354,  
    "result": null  
}
```

注: 只列举几种常见错误, 实际还会有其他错误提示

## 5.1.2 修改技能

**Request URL:**

http://192.168.1.134:8889/xboot/aiSkill/update

**Request Method:**

PUT

**Request Params:**

参数名称	数据类型	属性描述	是否必填	最大长度
id	string	技能 ID	是	32
name	string	ai 技能名称	是	255
description	string	技能描述	否	255
inputTopic	string	输入队列名称	是	255
inputBrokerUrl	string	输入的消息组件主机地址	是	255
outputTopic	string	输出队列名	是	255
outputBrokerUrl	string	输出的消息组件主机地址	是	255
baiduSerialNumber	string	百度 AI 序列号	是	255
baiduSdkLogPath	string	百度 SDK 日志路径	是	255
workThreadNumber	string	推理线程数	是	255
threshold	decimal	推理置信度阈值 0 到 1	是	10
file	application/zip	0-禁用 1-使能	否	1024M
modelPath	string	模型路径(正常情况不用改,原值返回即可)	是	255
modelSize	int	模型字节大小(正常情况不用改,原值返回即可)	是	10
easyaiPid	int	linux 进程 id(正常情况不用改,原值返回即可)	是	10
threadName	string	java 线程名称(正常情况不用改,原值返回即可)	是	255



PUT

http://192.168.1.134:8889/xboot/aiSkill/update

Send

Save

<input type="checkbox"/>	order	desc	
<input checked="" type="checkbox"/>	id	250404580091760640	
<input checked="" type="checkbox"/>	name	物品智能分类V2	
<input checked="" type="checkbox"/>	description	根据物品外形进行划分种类	
<input checked="" type="checkbox"/>	inputTopic	AI.Wupin.Category3?consumer.retroactive=true	
<input checked="" type="checkbox"/>	inputBrokerUrl	tcp://192.168.1.134:61616	
<input checked="" type="checkbox"/>	outputTopic	AI.Wupin.Category.Topic3	
<input checked="" type="checkbox"/>	outputBrokerUrl	tcp://192.168.1.134:61616	
<input checked="" type="checkbox"/>	baiduSerialNumber	3E91-1E30-4226-D043	
<input checked="" type="checkbox"/>	baiduSdkLogPath	/home/ai/log/wupin.log	
<input checked="" type="checkbox"/>	workThreadNumber	4	
<input checked="" type="checkbox"/>	threshold	0.5	
<input checked="" type="checkbox"/>	file	Select Files	
<input checked="" type="checkbox"/>	modelPath	/home/ai/model/wupin3	
<input checked="" type="checkbox"/>	modelSize	21166834	
<input checked="" type="checkbox"/>	easyaiPid	12620	
<input checked="" type="checkbox"/>	threadName	ai-listener-250404580091760640	

请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "修改属性成功,技能重新启动",
  "code": 200,
  "timestamp": 1583999060149,
  "result": {
    "id": "250404580091760640",
    "createBy": null,
    "createTime": null,
    "updateBy": "admin",
    "updateTime": "2020-03-12 15:44:20",
    "delFlag": 0,
    "name": "物品智能分类 V2",
    "description": "根据物品外形进行划分种类",
    "inputTopic": "AI.Wupin.Category3?consumer.retroactive=true",
    "inputBrokerUrl": "tcp://192.168.1.134:61616",
    "outputTopic": "AI.Wupin.Category.Topic3",
    "outputBrokerUrl": "tcp://192.168.1.134:61616",
    "modelPath": "/home/ai/model/wupin3",
    "modelSize": 21166834,
    "baiduSerialNumber": "3E91-1E30-4226-D043",
    "baiduSdkLogPath": "/home/ai/log/wupin.log",
    "workThreadNumber": 4,
  }
}
```

```

        "threshold": 0.5,
        "status": 1,
        "javaInputTopic": null,
        "javaInputBrokerUrl": null,
        "javaOutputTopic": null,
        "javaOutputBrokerUrl": null,
        "easyaiPid": 16943,
        "threadName": "ai-listener-250404580091760640"
    }
}

```

注：修改队列相关属性或者模型文件，技能会重新启动，message 属性会提示，如果没有修改以上内容,message 为:修改属性成功

失败返回 json 数据:

1.模型文件格式非法

```

{
    "success": false,
    "message": "文件类型有误,只接受 zip 格式",
    "code": 500,
    "timestamp": 1582711709476,
    "result": null
}

```

2.模型文件目录已经存在

```

{
    "success": false,
    "message": "模型文件目录 shoes 已经存在,不用重复上传",
    "code": 500,
    "timestamp": 1582711689720,
    "result": null
}

```

3.模型文件内容不符

```

{
    "success": false,
    "message": "压缩包不符合要求,缺少以下文件: model,params,ReadMe.txt",
    "code": 500,
    "timestamp": 1582711627659,
    "result": null
}

```

注：只列举几种常见错误，实际还会有其他错误提示

### 5.1.3 删除技能

Request URL:

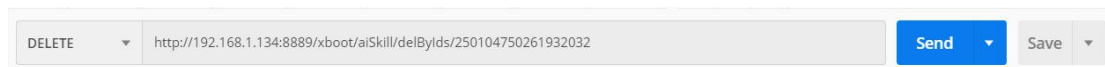
http://192.168.1.134:8889/xboot/aiSkill/delByIds/{ids}

Request Method:

DELETE

Request Path Params:

ids 必填参数, 以逗号分隔的一个或多个 id



The image shows a screenshot of an API client interface. On the left, there is a dropdown menu set to 'DELETE'. In the center, the URL 'http://192.168.1.134:8889/xboot/aiSkill/delByIds/250104750261932032' is entered. On the right, there are two buttons: a blue 'Send' button and a grey 'Save' button with a dropdown arrow.

请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "批量通过 id 删除数据成功",
  "code": 200,
  "timestamp": 1583920808954,
  "result": null
}
```

失败返回 json 数据:

1. 即使记录不存在 依然不会报错

```
{
  "success": true,
  "message": "批量通过 id 删除数据成功",
  "code": 200,
  "timestamp": 1583921147799,
  "result": null
}
```

5.1.4 查询技能

Request URL:  
http://192.168.1.134:8889/xboot/aiSkill/getByCondition

Request Method:  
GET

Request Params:

参数名称	数据类型	属性描述	是否必填	最大长度
keyword	string	技能关键词, 关联技能名称和技能描述属性	否	255
status	int	技能状态 -1 所有 0 未启用(默认) 1 启用	否	32
startDate	string	按时间筛选-开始时间 格式为: yyyy-MM-dd HH:mm:ss	否	32
endDate	string	按时间筛选-结束时间 格式为: yyyy-MM-dd HH:mm:ss	否	32
pageNumber	int	第几页, 默认 1	否	32
pageSize	int	每页显示数量, 默认 10	否	32

GET

http://192.168.1.134:8889/xboot/aiSkill/getByCondition

Send

Save

<input checked="" type="checkbox"/>	keyword	智能分类	
<input checked="" type="checkbox"/>	status	1	
<input checked="" type="checkbox"/>	startDate	2020-03-12 10:00:00	
<input checked="" type="checkbox"/>	endDate	2020-03-15 00:00:00	
<input checked="" type="checkbox"/>	pageNumber	1	
<input checked="" type="checkbox"/>	pageSize	10	
<input checked="" type="checkbox"/>	sort	id	
<input checked="" type="checkbox"/>	order	desc	

请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1584003967184,
  "result": {
    "content": [
      {
        "id": "250447892278415360",
        "createBy": "admin",
        "createTime": "2020-03-12 16:42:52",
        "updateBy": "admin",
        "updateTime": "2020-03-12 16:46:37",
        "delFlag": 0,
        "name": "物品智能分类 V2",
        "description": "根据物品外形进行划分种类",
        "inputTopic": "Ai.Wupin.Category2?consumer.retroactive=true",
        "inputBrokerUrl": "tcp://192.168.1.134:61616",
        "outputTopic": "Ai.Wupin.Category.Topic2",
        "outputBrokerUrl": "tcp://192.168.1.134:61616",
        "modelPath": null,
        "modelSize": null,
        "baiduSerialNumber": "3E91-1E30-4226-D043",
        "baiduSdkLogPath": "/home/ai/log/wupin.log",
        "workThreadNumber": 4,
        "threshold": 0.50,
        "status": 1,
        "javaInputTopic": null,
        "javaInputBrokerUrl": null,
        "javaOutputTopic": null,
        "javaOutputBrokerUrl": null,
        "easyaiPid": 18671,
        "threadName": "ai-listener-250448835162148864"
      },
      {
        "id": "250445646501253120",
        "createBy": "admin",
        "createTime": "2020-03-12 16:33:57",
        "updateBy": "admin",
        "updateTime": "2020-03-12 16:33:57",
        "delFlag": 0,
        "name": "物品智能分类 V3",
```

```

        "description": "根据物品外形进行划分种类",
        "inputTopic": "Ai.Wupin.Category2?consumer.retroactive=true",
        "inputBrokerUrl": "tcp://192.168.1.134:61616",
        "outputTopic": "Ai.Wupin.Category.Topic2",
        "outputBrokerUrl": "tcp://192.168.1.134:61616",
        "modelPath": "/home/ai/model/wupin2",
        "modelSize": 21166834,
        "baiduSerialNumber": "3E91-1E30-4226-D043",
        "baiduSdkLogPath": "/home/ai/log/wupin.log",
        "workThreadNumber": 4,
        "threshold": 0.50,
        "status": 1,
        "javaInputTopic": null,
        "javaInputBrokerUrl": null,
        "javaOutputTopic": null,
        "javaOutputBrokerUrl": null,
        "easyaiPid": 18277,
        "threadName": "ai-listener-250445649420488704"
    }
},
"pageable": {
    "sort": {
        "unsorted": false,
        "sorted": true,
        "empty": false
    },
    "offset": 0,
    "pageSize": 10,
    "pageNumber": 0,
    "unpaged": false,
    "paged": true
},
"last": true,
"totalPages": 1,
"totalElements": 2,
"sort": {
    "unsorted": false,
    "sorted": true,
    "empty": false
},
"first": true,
"number": 0,
"size": 10,
"numberOfElements": 2,

```

```
        "empty": false
    }
}
```

失败返回 json 数据:

#### 1. 不存在符合条件的数据

```
{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1584004196627,
    "result": {
        "content": [],
        "pageable": {
            "sort": {
                "unsorted": false,
                "sorted": true,
                "empty": false
            },
            "offset": 0,
            "pageSize": 10,
            "pageNumber": 0,
            "unpaged": false,
            "paged": true
        },
        "last": true,
        "totalPages": 0,
        "totalElements": 0,
        "sort": {
            "unsorted": false,
            "sorted": true,
            "empty": false
        },
        "first": true,
        "number": 0,
        "size": 10,
        "numberOfElements": 0,
        "empty": true
    }
}
```

## 5.1.5 开启技能

Request URL:

http://192.168.1.134:8889/xboot/aiSkill/start/{id}

Request Method:

PUT

Request Path Params:

id 必填参数, 技能的 ID 编号

PUT	http://192.168.1.134:8889/xboot/aiSkill/start/248257639216058368	Send	Save
-----	--	------	------

请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "技能启动成功",
  "code": 200,
  "timestamp": 1583921980790,
  "result": null
}
```

失败返回 json 数据:

1. 技能 ID 不正确

```
{
  "success": false,
  "message": "该 AI 技能不存在",
  "code": 500,
  "timestamp": 1583922428376,
  "result": null
}
```

2. 技能已启动

```
{
  "success": false,
  "message": "该 AI 技能已启动",
  "code": 500,
  "timestamp": 1583922475969,
}
```



```
"result": null
}
```

注：只列举几种常见错误，实际还会有其他错误提示

## 5.1.6 关闭技能

Request URL:

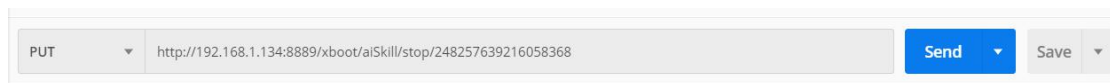
http://192.168.1.134:8889/xboot/aiSkill/stop/{id}

Request Method:

PUT

Request Path Params:

id 必填参数, 技能的 ID 编号



The image shows a screenshot of an API client interface. On the left, there is a dropdown menu set to 'PUT'. To its right is a text input field containing the URL 'http://192.168.1.134:8889/xboot/aiSkill/stop/248257639216058368'. Further right are two buttons: a blue 'Send' button and a grey 'Save' button, both with small dropdown arrows.

请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "技能关闭成功",
  "code": 200,
  "timestamp": 1583922519074,
  "result": null
}
```

失败返回 json 数据:

1. 技能 ID 不正确

```
{
  "success": false,
  "message": "该 AI 技能不存在",
  "code": 500,
  "timestamp": 1583922428376,
  "result": null
}
```

2.技能已关闭

```
{
  "success": false,
  "message": "该 AI 技能已关闭",
  "code": 500,
  "timestamp": 1583922579056,
  "result": null
}
```

注：只列举几种常见错误，实际还会有其他错误提示

5.2 相机技能关系管理

5.2.1 相机赋予技能

Request URL:  
http://192.168.1.134:8889/xboot/aiCameraSkill/save

Request Method:  
POST

Request Params:

参数名称	数据类型	属性描述	是否必填	最大长度
cameraId	string	相机 ID	是	255
channelId	string	通道 ID	是	255
aiSkillId	string	技能 ID	是	255

POST

http://192.168.1.134:8889/xboot/aiCameraSkill/save

Send

Save

<input checked="" type="checkbox"/>	cameraId	230504811693346816	
<input checked="" type="checkbox"/>	channelId	230504833503727616	
<input checked="" type="checkbox"/>	aiSkillId	250447892278415360	

请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1584004623356,
  "result": {
    "id": "250456496326840320",
    "createBy": "admin",
    "createTime": "2020-03-12 17:17:03",
    "updateBy": "admin",
    "updateTime": "2020-03-12 17:17:03",
    "delFlag": 0,
    "cameraId": "230504811693346816",
    "channelId": "230504833503727616",
    "aiSkillId": "250447892278415360"
  }
}
```

失败返回 json 数据:

1. 相机通道已经绑定技能

```
{
  "success": false,
  "message": "该相机通道 AI 技能已绑定",
  "code": 500,
  "timestamp": 1584004770791,
  "result": null
}
```

2. 相机 ID 错误

```
{
  "success": false,
  "message": "相机不存在",
  "code": 500,
  "timestamp": 1584004902116,
  "result": null
}
```

3. 技能 ID 错误

```
{
  "success": false,
```

```
"message": "AI 技能不存在",
"code": 500,
"timestamp": 1584004947958,
"result": null
}
```

#### 4. 通道不属于此相机

```
{
  "success": false,
  "message": "相机与通道不匹配",
  "code": 500,
  "timestamp": 1584005008342,
  "result": null
}
```

注：只列举几种常见错误，实际还会有其他错误提示

### 5.2.2 相机移除技能

Request URL:

<http://192.168.1.134:8889/xboot/aiCameraSkill/remove>

Request Method:

DELETE

Request Params:

参数名称	数据类型	属性描述	是否必填	最大长度
cameraId	string	相机 ID	是	255
channelId	string	通道 ID	是	255
aiSkillId	string	技能 ID	是	255

DELETE

<http://192.168.1.134:8889/xboot/aiCameraSkill/remove>

Send

Save

<input checked="" type="checkbox"/>	cameraId	230504811693346816
<input checked="" type="checkbox"/>	channelId	230504833503727616
<input checked="" type="checkbox"/>	aiSkillId	250447892278415360

请求示例图

成功返回 json 数据:

```
{  
  "success": true,  
  "message": "解绑成功",  
  "code": 200,  
  "timestamp": 1584005207768,  
  "result": null  
}
```

失败返回 json 数据:

1. 相机通道未绑定技能

```
{  
  "success": false,  
  "message": "通道尚未绑定此技能",  
  "code": 500,  
  "timestamp": 1584005391172,  
  "result": null  
}
```

### 5.2.3 相机查询技能

Request URL:

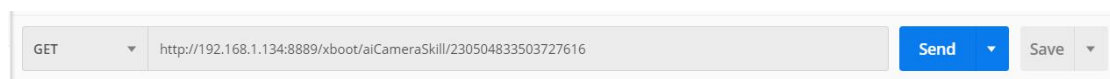
http://192.168.1.134:8889/xboot/aiCameraSkill/{channelId}

Request Method:

POST

Request Path Params:

channelId 必填参数, 相机通道的 ID 编号



请求示例图

成功返回 json 数据:

```
{  
  "success": true,
```

```

"message": "success",
"code": 200,
"timestamp": 1584066802949,
"result": [
  {
    "id": "250447892278415360",
    "createBy": "admin",
    "createTime": "2020-03-12 16:42:52",
    "updateBy": "admin",
    "updateTime": "2020-03-13 10:30:28",
    "delFlag": 0,
    "name": "物品智能分类 V2",
    "description": "根据物品外形进行划分种类",
    "inputTopic": "Ai.Wupin.Category2?consumer.retroactive=true",
    "inputBrokerUrl": "tcp://192.168.1.134:61616",
    "outputTopic": "Ai.Wupin.Category.Topic2",
    "outputBrokerUrl": "tcp://192.168.1.134:61616",
    "modelPath": "/home/ai/model/wupin2",
    "modelSize": 21166834,
    "baiduSerialNumber": "3E91-1E30-4226-D043",
    "baiduSdkLogPath": "/home/ai/log/wupin.log",
    "workThreadNumber": 4,
    "threshold": 0.50,
    "status": 1,
    "javaInputTopic": null,
    "javaInputBrokerUrl": null,
    "javaOutputTopic": null,
    "javaOutputBrokerUrl": null,
    "easyaiPid": 18671,
    "threadName": "ai-listener-250716559692009473"
  },
  {
    "id": "250445646501253120",
    "createBy": "admin",
    "createTime": "2020-03-12 16:33:57",
    "updateBy": "admin",
    "updateTime": "2020-03-13 10:30:28",
    "delFlag": 0,
    "name": "物品智能分类 V3",
    "description": "根据物品外形进行划分种类",
    "inputTopic": "Ai.Wupin.Category2?consumer.retroactive=true",
    "inputBrokerUrl": "tcp://192.168.1.134:61616",
    "outputTopic": "Ai.Wupin.Category.Topic2",
    "outputBrokerUrl": "tcp://192.168.1.134:61616",
  }
]

```

```
        "modelPath": "/home/ai/model/wupin2",
        "modelSize": 21166834,
        "baiduSerialNumber": "3E91-1E30-4226-D043",
        "baiduSdkLogPath": "/home/ai/log/wupin.log",
        "workThreadNumber": 4,
        "threshold": 0.50,
        "status": 1,
        "javaInputTopic": null,
        "javaInputBrokerUrl": null,
        "javaOutputTopic": null,
        "javaOutputBrokerUrl": null,
        "easyaiPid": 18277,
        "threadName": "ai-listener-250716559692009472"
    }
}
]
```

失败返回 json 数据:

#### 1. 通道不存在绑定的技能

```
{
    "success": true,
    "message": "success",
    "code": 200,
    "timestamp": 1584006141801,
    "result": []
}
```

注：只查询当前已经开启了的技能，已绑定未开启的不加入结果集中。  
查询所有包括未开启的将接口地址改为/xboot/aiCameraSkill/all/{channelId}

## 5.2.4 技能查询相机

Request URL:

http://192.168.1.134:8889/xboot/aiCameraSkill/getByCondition

Request Method:

GET

Request Params:

参数名称	数据类型	属性描述	是否必填	最大长度
------	------	------	------	------

aiSkillId	string	技能 ID	否	255
cameraId	string	相机 ID	否	255
channelId	string	通道 ID	否	255
startDate	string	按时间筛选-开始时间 格式为：yyyy-MM-dd HH:mm:ss	否	32
endDate	string	按时间筛选-结束时间 格式为：yyyy-MM-dd HH:mm:ss	否	32
pageNumber	int	第几页，默认 1	否	32
pageSize	int	每页显示数量，默认 10	否	32
sort	string	排序字段	否	32
order	string	排序顺序 asc/desc 默认两者均不填为 id 升序排列	否	32

GET
http://192.168.1.134:8889/xboot/aiCameraSkill/getByCondition
Send
Save

<input checked="" type="checkbox"/>	aiSkillId	248257639216058368	
<input checked="" type="checkbox"/>	cameraId	230504811693346816	
<input checked="" type="checkbox"/>	channelId	230504833503727616	
<input checked="" type="checkbox"/>	startDate	2020-03-01 16:50:49	
<input checked="" type="checkbox"/>	endDate	2020-03-12 16:55:49	
<input checked="" type="checkbox"/>	pageNumber	1	
<input checked="" type="checkbox"/>	pageSize	5	
<input checked="" type="checkbox"/>	sort	id	
<input checked="" type="checkbox"/>	order	asc	

请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1584068742628,
  "result": {
    "content": [
      {
```



```

    "id": "249749860788473856",
    "createBy": "admin",
    "createTime": "2020-03-10 18:29:08",
    "updateBy": "admin",
    "updateTime": "2020-03-10 18:29:08",
    "delFlag": 0,
    "cameraId": "230504811693346816",
    "channelId": "230504833503727616",
    "aiSkillId": "248257639216058368",
    "camera": {
      "id": "230504811693346816",
      "createBy": "admin",
      "createTime": "2020-01-17 07:56:12",
      "updateBy": "admin",
      "updateTime": "2020-01-17 10:17:04",
      "delFlag": 0,
      "name": "Hikvision",
      "ip": "172.16.1.86",
      "userName": "admin",
      "password": "admin123",
      "status": 1,
      "locat": "",
      "placeId": "218183587374043136",
      "placeTitle": null,
      "type": 1,
      "serialNumber": "DS-2CD3325D-I20170429AACH750606056",
      "serverDeviceUri": "http://172.16.1.86/onvif/device_service",
      "serverMediaUri": "http://172.16.1.86/onvif/Media",
      "serverImagingUri": "http://172.16.1.86/onvif/Imaging",
      "serverPtzUri": null,
      "serverEventsUri": "http://172.16.1.86/onvif/Events",
      "manufacturer": "HIKVISION",
      "intelligentDetection": null
    },
    "aiSkill": {
      "id": "248257639216058368",
      "createBy": null,
      "createTime": null,
      "updateBy": "admin",
      "updateTime": "2020-03-12 13:10:54",
      "delFlag": 0,
      "name": "物品智能分类",
      "description": "根据物品外形进行划分种类",
      "inputTopic": "Ai.Wupin.Category?consumer.retroactive=true",

```

```

        "inputBrokerUrl": "tcp://192.168.1.134:61616",
        "outputTopic": "Ai.Wupin.Category.Topic",
        "outputBrokerUrl": "tcp://192.168.1.134:61616",
        "modelPath": "/home/ai/model/wupin",
        "modelSize": 69694369,
        "baiduSerialNumber": "3E91-1E30-4226-D043",
        "baiduSdkLogPath": "/home/ai/log/wupin.log",
        "workThreadNumber": 4,
        "threshold": 0.50,
        "status": 0,
        "javaInputTopic": null,
        "javaInputBrokerUrl": null,
        "javaOutputTopic": null,
        "javaOutputBrokerUrl": null,
        "easyaiPid": null,
        "threadName": null
    }
}
],
"pageable": {
    "sort": {
        "unsorted": false,
        "sorted": true,
        "empty": false
    },
    "offset": 0,
    "pageSize": 5,
    "pageNumber": 0,
    "unpaged": false,
    "paged": true
},
"last": true,
"totalPages": 1,
"totalElements": 1,
"sort": {
    "unsorted": false,
    "sorted": true,
    "empty": false
},
"first": true,
"number": 0,
"size": 5,
"numberOfElements": 1,
"empty": false

```

```
}  
}
```

失败返回 json 数据:

#### 1. 不存在符合条件的数据

```
{  
  "success": true,  
  "message": "success",  
  "code": 200,  
  "timestamp": 1584068800324,  
  "result": {  
    "content": [],  
    "pageable": {  
      "sort": {  
        "unsorted": false,  
        "sorted": true,  
        "empty": false  
      },  
      "offset": 0,  
      "pageSize": 5,  
      "pageNumber": 0,  
      "unpaged": false,  
      "paged": true  
    },  
    "last": true,  
    "totalPages": 0,  
    "totalElements": 0,  
    "sort": {  
      "unsorted": false,  
      "sorted": true,  
      "empty": false  
    },  
    "first": true,  
    "number": 0,  
    "size": 5,  
    "numberOfElements": 0,  
    "empty": true  
  }  
}
```

注：此处查询会显示所有的内容,包括未开启的技能和绑定该技能的相机，状态可根据属性 `result.content.aiSkill.status` 进行判断 0-停止 1-运行,`result.content.camera` 为相机基本信息.

当前接口也可以实现 5.2.3 的功能，传入通道号，不过此处多了一个分页功能，上个接口考虑到相机的技能数量有限，没有加入分页功能，查询更加简便。

### 5.2.5 技能查询所有相机

说明：用于技能绑定相机的穿梭框，需要查出所有相机待用户选择，并检查相机通道是否已经绑定此技能，防止重复绑定。

Request URL:  
http://192.168.1.134:8889/xboot/aiCameraSkill/skill/{aiSkillId}/cameras

Request Method:  
GET

Request Path Params:  
aiSkillId 必填参数, 技能 ID

Request Params:

参数名称	数据类型	属性描述	是否必填	最大长度
placeId	string	场所 ID 筛选场所下的相机	否	255

GET

http://192.168.1.134:8889/xboot/aiCameraSkill/cameras/250447892278415360

Send

Save

<input checked="" type="checkbox"/>	placeId	217477365209501696
-------------------------------------	---------	--------------------

请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1585645674961,
  "result": [
    {
```

```

    "id": "222208831881482241",
    "createBy": "jiang",
    "createTime": "2019-12-25 18:30:59",
    "updateBy": "jiang",
    "updateTime": "2019-12-26 17:56:21",
    "delFlag": 0,
    "name": "Hikvision200",
    "ip": "172.16.1.200",
    "userName": "admin",
    "password": "admin123",
    "status": 1,
    "locat": "120.761269,31.683765",
    "placeId": "217477365209501696",
    "placeTitle": null,
    "type": 2,
    "serialNumber": "DS-2CD3410FD-IW20161219AACH693830816",
    "serverDeviceUri": "http://172.16.1.200/onvif/device_service",
    "serverMediaUri": "http://172.16.1.200/onvif/Media",
    "serverImagingUri": "http://172.16.1.200/onvif/Imaging",
    "serverPtzUri": null,
    "serverEventsUri": "http://172.16.1.200/onvif/Events",
    "manufacturer": null,
    "intelligentDetection": null,
    "intelligentTransportation": null,
    "channellist": [
      {
        "id": "222208869693132800",
        "createBy": "jiang",
        "createTime": "2019-12-25 18:31:04",
        "updateBy": "jiang",
        "updateTime": "2019-12-25 18:31:04",
        "delFlag": 0,
        "name": "1",
        "cameraId": "222208831881482241",
        "cameraName": null,
        "ptz": false,
        "aiSkillList": null
      }
    ],
    "hlsList": []
  },
  {
    "id": "227607032893542400",
    "createBy": "jiang",

```

```

    "createTime": "2020-01-09 16:01:31",
    "updateBy": "jiang",
    "updateTime": "2020-01-09 16:01:31",
    "delFlag": 0,
    "name": "IPDome209",
    "ip": "172.16.1.209",
    "userName": "admin",
    "password": "admin123",
    "status": 1,
    "locat": "120.730922,31.266673",
    "placeId": "218183587374043136",
    "placeTitle": null,
    "type": 0,
    "serialNumber": "5F05F00PAJ17DE7",
    "serverDeviceUri": "http://172.16.1.209/onvif/device_service",
    "serverMediaUri": "http://172.16.1.209/onvif/media_service",
    "serverImagingUri": "http://172.16.1.209/onvif/imaging_service",
    "serverPtzUri": "http://172.16.1.209/onvif/ptz_service",
    "serverEventsUri": "http://172.16.1.209/onvif/event_service",
    "manufacturer": null,
    "intelligentDetection": null,
    "intelligentTransportation": null,
    "channellist": [
        {
            "id": "227607070260596736",
            "createBy": "jiang",
            "createTime": "2020-01-09 16:01:35",
            "updateBy": "jiang",
            "updateTime": "2020-01-09 16:01:35",
            "delFlag": 0,
            "name": "1",
            "cameraId": "227607032893542400",
            "cameraName": null,
            "ptz": false,
            "aiSkillList": null
        }
    ],
    "hlsList": []
},
{
    "id": "229694408897859584",
    "createBy": "admin",
    "createTime": "2020-01-15 02:15:59",
    "updateBy": "admin",

```

```

    "updateTime": "2020-01-15 02:15:59",
    "delFlag": 0,
    "name": "Hikvision85",
    "ip": "172.16.1.85",
    "userName": "admin",
    "password": "admin123",
    "status": 1,
    "locat": "",
    "placeId": "218183587374043136",
    "placeTitle": null,
    "type": 0,
    "serialNumber": "DS-2CD3210D-I320131206AACH444340167",
    "serverDeviceUri": "http://172.16.1.85/onvif/device_service",
    "serverMediaUri": "http://172.16.1.85/onvif/Media",
    "serverImagingUri": "http://172.16.1.85/onvif/Imaging",
    "serverPtzUri": null,
    "serverEventsUri": "http://172.16.1.85/onvif/Events",
    "manufacturer": "HIKVISION",
    "intelligentDetection": null,
    "intelligentTransportation": null,
    "channellist": [
      {
        "id": "229694443391815680",
        "createBy": "admin",
        "createTime": "2020-01-15 02:16:03",
        "updateBy": "admin",
        "updateTime": "2020-01-15 02:16:03",
        "delFlag": 0,
        "name": "1",
        "cameraId": "229694408897859584",
        "cameraName": null,
        "ptz": false,
        "aiSkilllist": null
      }
    ],
    "hlsList": []
  },
  {
    "id": "230504811693346816",
    "createBy": "admin",
    "createTime": "2020-01-17 07:56:12",
    "updateBy": "admin",
    "updateTime": "2020-01-17 10:17:04",
    "delFlag": 0,

```

```

"name": "Hikvision86",
"ip": "172.16.1.86",
"userName": "admin",
"password": "admin123",
"status": 1,
"locat": "",
"placeId": "218183587374043136",
"placeTitle": null,
"type": 1,
"serialNumber": "DS-2CD3325D-I20170429AACH750606056",
"serverDeviceUri": "http://172.16.1.86/onvif/device_service",
"serverMediaUri": "http://172.16.1.86/onvif/Media",
"serverImagingUri": "http://172.16.1.86/onvif/Imaging",
"serverPtzUri": null,
"serverEventsUri": "http://172.16.1.86/onvif/Events",
"manufacturer": "HIKVISION",
"intelligentDetection": null,
"intelligentTransportation": null,
"channelList": [
  {
    "id": "230504833503727616",
    "createBy": "admin",
    "createTime": "2020-01-17 07:56:15",
    "updateBy": "admin",
    "updateTime": "2020-01-17 07:56:15",
    "delFlag": 0,
    "name": "1",
    "cameraId": "230504811693346816",
    "cameraName": null,
    "ptz": false,
    "aiSkillList": [
      {
        "id": "250447892278415360",
        "createBy": "admin",
        "createTime": "2020-03-12 16:42:52",
        "updateBy": "admin",
        "updateTime": "2020-03-31 17:04:24",
        "delFlag": 0,
        "name": "物品智能分类 V2",
        "description": "根据物品外形进行划分种类",
        "inputTopic": "Ai.Wupin.Category2?consumer.retroactive=true",
        "inputBrokerUrl": "tcp://192.168.1.134:61616",
        "outputTopic": "Ai.Wupin.Category.Topic2",
        "outputBrokerUrl": "tcp://192.168.1.134:61616",

```



```

        "modelPath": "/home/ai/model/wupin2",
        "modelSize": 21166834,
        "baiduSerialNumber": "3E91-1E30-4226-D043",
        "baiduSdkLogPath": "/home/ai/log/wupin.log",
        "workThreadNumber": 4,
        "threshold": 0.50,
        "status": 1,
        "javaInputTopic": null,
        "javaInputBrokerUrl": null,
        "javaOutputTopic": null,
        "javaOutputBrokerUrl": null,
        "easyaiPid": 18671,
        "threadName": "ai-listener-257338670095273984"
    }
}
    ],
    "hlsList": []
}
]
}

```

失败返回 json 数据:

```

{
    "success": false,
    "message": "AI 技能不存在",
    "code": 500,
    "timestamp": 1585646283666,
    "result": null
}

```

## 5.2.6 技能绑定多个相机

说明: 用于技能绑定相机的穿梭框, 对某个技能一次性绑定多个相机, 同时清除技能原有绑定的相机.

**Request URL:**

`http://192.168.1.134:8889/xboot/aiCameraSkill/skill/{aiSkillId}/channels/{channelIds}`

**Request Method:**

POST

**Request Path Params:**

aiSkillId 必填参数, 技能 ID  
cameraIds 必填参数, 通道 ID, 多个的时候以逗号分隔, 如果取消技能所有绑定的相机通道, 传入 0 即可

POST

http://192.168.1.134:8889/xboot/aiCameraSkill/skill/250447892278415360/channels/222208869693132800,227607070260596736

Send

Save

<input checked="" type="checkbox"/>	accessToken	d6312cb9f0014a1f92dc128b892a8c4d	
	Key	Value	Description

请求示例图

**成功返回 json 数据:**

```
{
  "success": true,
  "message": "绑定成功",
  "code": 200,
  "timestamp": 1585712752517,
  "result": null
}
```

**失败返回 json 数据:**

```
{
  "success": false,
  "message": "AI 技能不存在",
  "code": 500,
  "timestamp": 1585712915470,
  "result": null
}
```

**5.3 AI 推理数据管理**

**5.3.1 查询推理数据**

**Request URL:**

http://192.168.1.134:8889/xboot/aiHandleResult/getByCondition

**Request Method:**

GET

Request Params:

参数名称	数据类型	属性描述	是否必填	最大长度
cameraid	string	相机 ID	否	255
channelid	string	通道 ID	否	255
areaid	string	区域 ID	否	255
placeid	string	场所 ID	否	255
aiid	string	技能 ID	否	255
modeltype	int	模型类型, 1 是图像分类, 2 是物体检测, 6 是图像分割	否	10
IP	string	相机 IP, 支持模糊查询, 如 192	否	255
startDate	string	按时间筛选-开始时间 格式为: yyyy-MM-dd HH:mm:ss	否	32
endDate	string	按时间筛选-结束时间 格式为: yyyy-MM-dd HH:mm:ss	否	32
pageNumber	int	第几页, 默认 1	否	32
pageSize	int	每页显示数量, 默认 10	否	32
sort	string	排序字段	否	32
order	string	排序顺序 asc/desc 默认两者均不填 为 id 升序排列	否	32

GET
http://192.168.1.134:8889/xboot/aiHandleResult/getByCondition
Send
Save

<input checked="" type="checkbox"/>	cameraid	1001
<input checked="" type="checkbox"/>	channelid	1002
<input checked="" type="checkbox"/>	areaid	1000
<input checked="" type="checkbox"/>	placeid	999
<input checked="" type="checkbox"/>	aiid	248257639216058368
<input checked="" type="checkbox"/>	modeltype	2
<input checked="" type="checkbox"/>	IP	192.168.100.100
<input checked="" type="checkbox"/>	startDate	2020-03-10 16:50:49
<input checked="" type="checkbox"/>	endDate	2020-03-12 16:55:49
<input checked="" type="checkbox"/>	pageNumber	1
<input checked="" type="checkbox"/>	pageSize	2
<input checked="" type="checkbox"/>	sort	id
<input checked="" type="checkbox"/>	order	asc

请求示例图

成功返回 json 数据:

```

{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1583918014344,
  "result": {
    "content": [
      {
        "id": "249732086418640896",
        "createBy": null,
        "createTime": "2020-03-10 17:18:30",
        "updateBy": null,
        "updateTime": "2020-03-10 17:18:30",
        "delFlag": 0,
        "aiid": "248257639216058368",
        "areaid": "1000",
        "cameraid": "1001",
        "channelid": "1002",
        "datetime": 1583744648,
        "file": "/home/ai/192.168.100.100_1600000000.jpg",
        "modeltype": 2,
        "placeid": "999",
        "timestamp": 1600000000,
        "url": "http://192.168.100.2:8080/2019/11/22/192.168.100.100_1600000000.jpg",
        "results": [
          {
            "id": "249732086418640897",

```

```

        "createBy": null,
        "createTime": "2020-03-10 17:18:30",
        "updateBy": null,
        "updateTime": "2020-03-10 17:18:30",
        "delFlag": 0,
        "index": 9,
        "label": "harddisk",
        "prob": "0.2572065293788910",
        "x1": 49,
        "y1": 73,
        "x2": 571,
        "y2": 284
    },
    {
        "id": "249732086448001024",
        "createBy": null,
        "createTime": "2020-03-10 17:18:30",
        "updateBy": null,
        "updateTime": "2020-03-10 17:18:30",
        "delFlag": 0,
        "index": 3,
        "label": "cup",
        "prob": "0.1499244123697281",
        "x1": 49,
        "y1": 73,
        "x2": 571,
        "y2": 284
    }
],
"ip": "192.168.100.100"
},
{
    "id": "249731027994415104",
    "createBy": null,
    "createTime": "2020-03-10 17:14:18",
    "updateBy": null,
    "updateTime": "2020-03-10 17:14:18",
    "delFlag": 0,
    "aiid": "248257639216058368",
    "areaid": "1000",
    "cameraid": "1001",
    "channelid": "1002",
    "datetime": 1583744648,
    "file": "/home/ai/192.168.100.100_1600000000.jpg",

```

```

        "modeltype": 2,
        "placeid": "999",
        "timestamp": 1600000000,
        "url": "http://192.168.100.2:8080/2019/11/22/192.168.100.100_1600000000.jpg",
        "results": [
            {
                "id": "249731027994415105",
                "createBy": null,
                "createTime": "2020-03-10 17:14:18",
                "updateBy": null,
                "updateTime": "2020-03-10 17:14:18",
                "delFlag": 0,
                "index": 9,
                "label": "harddisk",
                "prob": "0.2572065293788910",
                "x1": 49,
                "y1": 73,
                "x2": 571,
                "y2": 284
            },
            {
                "id": "249731027998609408",
                "createBy": null,
                "createTime": "2020-03-10 17:14:18",
                "updateBy": null,
                "updateTime": "2020-03-10 17:14:18",
                "delFlag": 0,
                "index": 3,
                "label": "cup",
                "prob": "0.1499244123697281",
                "x1": 49,
                "y1": 73,
                "x2": 571,
                "y2": 284
            }
        ],
        "ip": "192.168.100.100"
    }
],
"pageable": {
    "sort": {
        "unsorted": false,
        "sorted": true,
        "empty": false
    }
}

```

```

    },
    "offset": 0,
    "pageNumber": 0,
    "pageSize": 2,
    "paged": true,
    "unpaged": false
  },
  "totalElements": 5,
  "last": false,
  "totalPages": 3,
  "first": true,
  "sort": {
    "unsorted": false,
    "sorted": true,
    "empty": false
  },
  "number": 0,
  "size": 2,
  "numberOfElements": 2,
  "empty": false
}
}

```

失败返回 json 数据:

### 1. 不存在记录

```

{
  "success": true,
  "message": "success",
  "code": 200,
  "timestamp": 1583918260629,
  "result": {
    "content": [],
    "pageable": {
      "sort": {
        "unsorted": false,
        "sorted": true,
        "empty": false
      },
      "offset": 0,
      "pageNumber": 0,
      "pageSize": 2,
      "paged": true,
      "unpaged": false
    },
  },
}

```

```
    "totalElements": 0,
    "last": true,
    "totalPages": 0,
    "first": true,
    "sort": {
      "unsorted": false,
      "sorted": true,
      "empty": false
    },
    "number": 0,
    "size": 2,
    "numberOfElements": 0,
    "empty": true
  }
}
```

### 5.3.2 删除推理数据

Request URL:

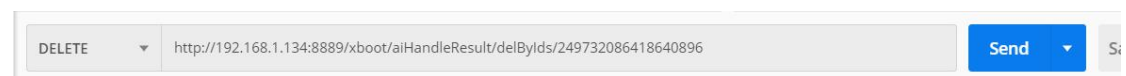
`http://192.168.1.134:8889/xboot/aiHandleResult/delByIds/{ids}`

Request Method:

DELETE

Request Path Params:

ids 必填参数, 以逗号分隔的一个或多个 id



请求示例图

成功返回 json 数据:

```
{
  "success": true,
  "message": "批量通过 id 删除数据成功",
  "code": 200,
  "timestamp": 1583918373047,
  "result": null
}
```



失败返回 json 数据:

#### 1. 不存在记录

```
{  
  "success": false,  
  "message": "No class cn.exrick.xboot.modules.ai.entity.AiHandleResult entity with id 249732086418640896  
exists!",  
  "code": 500,  
  "timestamp": 1583918545005,  
  "result": null  
}
```

## 5.4 附录 属性说明

### 5.4.1 AiSkill [AI 技能]

参数名称	数据类型	属性描述	是否必	最大长
id	string	技能 ID	是	32
name	string	ai 技能名称	是	255
description	string	技能描述	否	255
inputTopic	string	输入队列名称	是	255
inputBrokerUrl	string	输入的消息组件主机地址	是	255
outputTopic	string	输出队列名	是	255
outputBrokerUrl	string	输出的消息组件主机地址	是	255
baiduSerialNumber	string	百度 AI 序列号	是	255
baiduSdkLogPath	string	百度 SDK 日志路径	是	255
workThreadNumber	string	推理线程数	是	255
threshold	decimal	推理置信度阈值 0 到 1	是	10
file	application/zip	ai 训练模型压缩包 zip 格式，压缩包含有 conf.json, label_list, model, params, preprocess_args.json, ReadMe.txt 共计六个文件	否	1024M
modelPath	string	模型路径(正常情况不用改，原值返回即可)	是	255
modelSize	int	模型字节大小(正常情况不用改，原值返回即可)	是	10
easyaiPid	int	linux 进程 id(正常情况不用改，原值返回即可)	是	10
createBy	string	创建的用户名称	否	64
createTime	string	创建时间 格式为：yyyy-MM-dd HH:mm:ss	否	64
updateBy	string	更新的用户名称	否	64
updateTime	string	更新时间 格式为：yyyy-MM-dd HH:mm:ss	否	64
delFlag	int	伪删除标记位 0-正常 1-删除	否	1
status	int	技能状态 0 未启用(默认) 1 启用	否	32

easyaiPid	int	技能运行进程号	否	32
threadName	string	java 监听消息队列线程名称	否	32

### 5.4.2 AiCameraSkill [相机技能关系]

参数名称	数据类型	属性描述	是否必填	最大长度
id	string	唯一标识	是	32
cameraId	string	相机 ID	是	255
channelId	string	通道 ID	是	255
aiSkillId	string	技能 ID	是	255
createBy	string	创建的用户名称	否	64
createTime	string	创建时间 格式为: yyyy-MM-dd HH:mm:ss	否	64
updateBy	string	更新的用户名称	否	64
updateTime	string	更新时间 格式为: yyyy-MM-dd HH:mm:ss	否	64
delFlag	int	伪删除标记位 0-正常 1-删除	否	1

### 5.4.3 AiInferenceResult [AI 推理结果]

参数名称	数据类型	属性描述	是否必填	最大长度
id	string	唯一标识	是	32
ip	string	相机 ip	是	64
cameraid	string	相机 ID	否	255
channelid	string	通道 ID	否	255
areaid	string	区域 ID	否	255
placeid	string	场所 ID	否	255
aiid	string	技能 ID	否	255
modeltype	int	模型类型, 1 是图像分类, 2 是物体检测, 6 是图像分割	否	10
datetime	int	处理完成发送	是	10

		topic 的时间戳		
timestamp	int	相机抓拍时候的时间戳	是	10
file	string	图片的绝对路径	是	255
url	string	图片 http 访问路径	是	255
createBy	string	创建的用户名称	否	64
createTime	string	创建时间 格式为: yyyy-MM-dd HH:mm:ss	否	64
updateBy	string	更新的用户名称	否	64
updateTime	string	更新时间 格式为: yyyy-MM-dd HH:mm:ss	否	64
delFlag	int	伪删除标记位 0-正常 1-删除	否	1

#### 5.4.4 AiTargetPosition [推理检测目标方位]

参数名称	数据类型	属性描述	是否必填	最大长度
id	string	唯一标识	是	32
index	int	推理结果的序号	是	10
label	string	推理结果的标签	是	255
prob	string	推理结果的置信度	是	32
x1	int	物体的左上角 x 坐标, 单位 px	是	10
y1	int	物体的左上角 y 坐标, 单位 px	是	10
x2	int	物体的右下角 x 坐标, 单位 px	是	10
y2	int	物体的右下角 y 坐标, 单位 px	是	10
createBy	string	创建的用户名称	否	64
createTime	string	创建时间 格式为: yyyy-MM-dd HH:mm:ss	否	64
updateBy	string	更新的用户名称	否	64
updateTime	string	更新时间 格式为: yyyy-MM-dd HH:mm:ss	否	64
delFlag	int	伪删除标记位 0-正常 1-删除	否	1

