

控制台对外API

摄像机档案API

获取摄像机列表

- URL: /vcs/console/device/getAll
- Method: GET
- Request: page=1&size=10, 两者不传则返回全部
- Response:

```
{
  "Data": {
    "totalCount": 66,
    "rows": [
      {
        "spbfbm": "72010800001327315501",
        "gbm": "72010800001327315501",
        "dbm": "31012001",
        "sxtlx": "可控球机",
        "sxtmc": "临港大道/沪城环路 东向西",
        "algoType": "face,body", // 人脸:"face",人体:"body"
        "sxtxh": "FACE", // algoType包含face时设为"FACE",其他则置空
        "azdd": "临港大道/沪城环路 东向西",
        "azddxzqydm": "31012001",
        "azddxzqymc": "北案分局",
        "gdjd": "120.26766822167968",
        "gdwd": "31.925196",
        "cameraType": "普通监控", // algoType包含face时设为人员卡口,其他置为普
        "gxdwdm": "31012001",
        "gxdwmc": "xx分局",
        "corpId": "abc", // 该摄像头所属的租户id
        "regionId": "1234567", // region节点id
      }
    ]
  },
  "Message": "成功",
  "Code": "success",
  "RequestId": "e43ad98f-6667-4a09-819b-ef02e6a4af8c"
}
```

获取摄像机列表V2

- URL: /v2/vcs/console/device/getAll
- Method: GET
- Request: PageNum=1&PageSize=10, 两者不传则返回全部
- Response:

```
{
  "Data": {
    "TotalCount": 66,
    "Rows": [
      {
        "DeviceId": "75010800001327545501",
        "DeviceType": "可控球机",
        "DeviceName": "临港大道/沪城环路",
        "DeviceAddress": "临港大道/沪城环路",
        "Longitude": "121.267667",
        "Latitude": "30.925196",
        "Extended": {
          "Intersection": [
            {
              "IntersectionNumber": 101, // 路口编号
              "IntersectionFeature": "Cross-Intersection" // 路口特征,
              Roundabout: 环形交叉口, RampOrEntrance: 匝道或出入口, RoadSection: 路段 (只有二个方向的路
              口), T-Intersection: T形路口, Y-Intersection: Y形路口, D-T-Intersection: 错位T形路口,
              D-Y-Intersection: 错位Y形路口, Cross-Intersection: 十字路口, Incline-Intersection: 斜
              交路口, MultiRoad-Intersection: 多路路口, else: 其他
            }
          ],
          "Lane": [
            {
              "LaneNumber": 1, // 车道编号
              "LaneFeature": "MotorLane", // 车道特征, 车道特征, MotorLane: 机动车
              道, NonMotorLane: 非机动车道, MotorNonMotorLane: 机非混合车道, ElseLane: 其他车道
              "LaneProperty": "Entrance", // 车道属性, Entrance: 进口, Exit: 出口
              "LaneDirection": "North", // 车道方向, North: 北, Northeast: 东北,
              East: 东, Southeast: 东南, South: 南, Southwest: 西南, 西: West, Northwest: 西北
              "LaneTrafficDirection": "GoStraight" // 车道交通方向, GoStraight: 直
              行, TurnLeft: 左转, TurnRight: 右转, StraightLeft: 直左混行, StraightRight: 直右混行,
              StraightLeftRight: 直左右混行, TurnRound: 掉头, Changeable: 可变, Else: 其他
            }
          ],
          "Section": [
            {
              "SectionCode": "section1", // 区间编码
              "RelatedLane": 1 // 关联车道
            }
          ],
          "DetectionLine": [ // 绊线
```

```

        {
            "DistanceFromStopline": "2.75", // 距离停止线长度, 单位米
            "RelatedLane": 1, // 关联车道
            "Direction": 0 // 方向, [0,360)整数, 单位度
        }
    ]
}
}
],
"Message": "成功",
"Code": "success",
"RequestId": "e43ad98f-6667-4a09-819b-ef02e6a4af8c"
}

```

获取摄像机状态

- URL: /vcs/console/device/getStatus
- Method: GET
- Request: 无
- Response:

```

{
    "Code": "success",
    "Message": "成功",
    "RequestId": "4632983321-489C-321A-3214-dsaa1231231",
    "Data": {
        "objs": [
            {
                "deviceId": "03006026", //摄像头id
                "status": "online", //是否在线 在线:online,离线:offline
                "computeStatus": "online" //计算中:online, 未计算:offline
            }
        ]
    }
}

```

任务管理API

获取算子列表

- URL: /vcs/console/algorithm/getAllAlgorithms
- Method: GET
- Request: 无

- Response:

```
{
  "Code": "0",
  "Message": "SUCCESS",
  "Data": [
    {
      "id": 1,           //算子ID
      "name": "myAlgo", //算子名称
      "version": "v1.0", //算子版本号
      "description": "this is an algorithm", //算子描述
      "models": [       //算子类型列表
        "body",
        "motor",
        "non_motor"
      ],
      "supportedTaskDatasourceType": [ //支持的任务分析对象类型, REALTIME_STREAM:
实时码流, HISTORY_STREAM:录像码流, VIDEO_FILE:离线视频文件
        "REALTIME_STREAM",
        "HISTORY_STREAM",
        "VIDEO_FILE"
      ]
    }
  ]
}
```

计算任务列表

- URL: /vcs/console/task/listComputeTasks
- Method: GET
- Request: page=1&size=10, 如果两个参数不传则全部返回
- Response:

```
"Data":{
  "totalCount":10,
  "rows":[
    {
      "taskId": "fcd6cc03c2d7456a93728795a9eff1cd",
      "taskStatus": "ONLINED",
      "name": "task1",
      "type": "SCHEDULE",
      "execStartTime": 1564675200000,
      "execEndTime": 1564689300000,
      "scheduleType": "EVERYDAY",
      "scheduleTimes": [
        {
```

```

        "startTime": "10:00:00",
        "endTime": "11:00:00"
    },
    ],
    "description": "this is a task",
    "datasourceType": "VIDEO_FILE",
    "datasources": {
        "devices": [
            {
                "deviceId": "xxxxxxx",
                "videoId": "lzfg54fg871fghwa",
                "videoTimeLength": 600,
                "videoBeginTime": 1564675200001,
                "historyStreamTimes": [
                    {
                        "streamStartTime": 1564675200000,
                        "streamEndTime": 1564689300000
                    }
                ]
            }
        ]
    },
    ],
    "algorithms": [
        {
            "id": 1
        }
    ],
    "clientName": "sps",
    "gmtCreate": 1575463944000,
    "regionId": "1234567"
}
]
}

```

任务名称校验

名称唯一性校验

- URL:/vcs/console/task/verifyTaskName
- Method:POST
- Request

```

{
  name:"task1"
}

```

- Response

```
{
  "Code": "0",
  "Message": "SUCCESS",
  "Data": true    //校验成功: true 失败: false
}
```

创建计算任务

- URL: /vcs/console/task/createComputeTask
- Method: POST
- Request:

```
{
  "name": "task1", //任务名称
  "type": "SCHEDULE", //任务类型, CIRCULATE:实时任务（持续循环计算），SCHEDULE:计划任务
  "execStartTime": 1564675200000, //开始生效时间，毫秒时间戳，SCHEDULE任务需填
  "execEndTime": 1564689300000, //结束生效时间，毫秒时间戳，SCHEDULE任务需填
  "scheduleType": "EVERYDAY", //调度类型, EVERYDAY:每天定时执行，ONCE:仅执行一次，SCHEDULE任务需填
  "scheduleTimes": [{"startTime":"10:00:00","endTime":"11:00:00"}], //调度执行时间段（scheduleType为EVERYDAY时需填）
  "description": "this is a task", //任务描述，可空
  "datasourceType": "VIDEO_FILE", //REALTIME_STREAM:实时码流，HISTORY_STREAM:录像码流，VIDEO_FILE:离线视频文件
  "datasources": { //任务数据源
    "type": "VIDEO_FILE",
    "devices": [
      {
        "deviceId": "xxxxxxx", //摄像头编码(所有任务类型都需填)
        "videoId": "lzfg54fg871fghwa", // 视频文件句柄（视频文件任务需填）
        "videoTimeLength": 600, // 视频文件时长，以秒为单位（视频文件任务需填）
        "videoBeginTime": 1564675200001, // 视频开始时间，毫秒时间戳（视频文件任务需填）
        "historyStreamTimes": [
          [{"streamStartTime":1564675200000,"streamEndTime":1564689300000}], // 录像流分析时间段（录像码流任务需填）
        ]
      }
    ]
  },
}
```

```
"algorithms": [                                //算法
  {
    "id": 1
  }
],
"clientName": "sps",
"regionId": "1234567",
}
```

任务类型和分析对象关系：

分析对象	循环任务	计划任务
REALTIME_STREAM	支持	支持
HISTORY_STREAM	不支持	支持
VIDEO_FILE	不支持	支持

- Response:

```
{
  "Code": "0",
  "Message": "SUCCESS",
  "Data": {
    "taskId": "fcd6cc03c2d7456a93728795a9eff1cd"
  }
}
```

更新计算任务

- URL: /vcs/console/task/modifyComputeTask
- Method: POST
- Request: name、type、scheduleType、datasourceType不能更新

```
{
  "taskId": "fcd6cc03c2d7456a93728795a9eff1cd",
  "name": "task1", //任务名称
  "type": "SCHEDULE", //任务类型, CIRCULATE:实时任务（持续循环计算），SCHEDULE:计划任务
  "execStartTime": 1564675200000, //开始生效时间，毫秒时间戳，SCHEDULE任务需填
  "execEndTime": 1564689300000, //结束生效时间，毫秒时间戳，SCHEDULE任务需填
}
```

```

    "scheduleType": "EVERYDAY", //调度类型, EVERYDAY:每天定时执行, ONCE:仅执行一次,
    SCHEDULE任务需填
    "scheduleTimes": [{"startTime":"10:00:00","endTime":"11:00:00"}], //调度执行时
    间段 (scheduleType为EVERYDAY时需填)
    "description": "this is a task", //任务描述, 可空
    "datasourceType": "VIDEO_FILE", //REALTIME_STREAM:实时码流, HISTORY_STREAM:录
    像码流, VIDEO_FILE:离线视频文件
    "datasources": { //任务数据源
        "type": "VIDEO_FILE",
        "devices": [
            {
                "deviceId": "xxxxxxx", //摄像头编码(所有任务类型都需填)
                "videoId": "1zf54fg871fghwa", // 视频文件句柄 (视频文件任务需填)
                "videoTimeLength": 600, // 视频文件时长, 以秒为单位 (视频文件任务需填)
                "videoBeginTime": 1564675200001, // 视频开始时间, 毫秒时间戳 (视频文件任务需
                填)
                "historyStreamTimes":
                [{"streamStartTime":1564675200000,"streamEndTime":1564689300000}], // 录像流分析
                时间段 (录像码流任务需填)
            }
        ]
    },
    "algorithms": [ //算法
        {
            "id": 1
        }
    ],
    "clientName": "sps",
    "regionId": "1234567"
}

```

- Response:

```

{
    "Code": "0",
    "Message": "SUCCESS",
    "Data": {
        "taskId": "fcd6cc03c2d7456a93728795a9eff1cd"
    }
}

```

启动计算任务

- URL: /vcs/console/task/startComputeTask
- Method: POST
- Request:


```
{
  "taskId": "fcd6cc03c2d7456a93728795a9eff1cd"
}
```

- Response:

```
{
  "Code": "0",
  "Message": "SUCCESS"
}
```

停止计算任务

- URL: /vcs/console/task/stopComputeTask
- Method: POST
- Request:

```
{
  "taskId": "fcd6cc03c2d7456a93728795a9eff1cd"
}
```

- Response:

```
{
  "Code": "0",
  "Message": "SUCCESS"
}
```

删除计算任务

- URL: /vcs/console/task/deleteComputeTask
- Method: POST
- Request:

```
{
  "taskId": "fcd6cc03c2d7456a93728795a9eff1cd"
}
```

- Response:

```
{
  "Code": "0",
  "Message": "SUCCESS"
}
```

查询计算任务

- URL: /vcs/console/task/getComputeTasks
- Method: POST
- Request:

```
{
  "taskIds": ["fcd6cc03c2d7456a93728795a9eff1cd"]
}
```

- Response:

```
{
  "code": "0",
  "message": "SUCCESS",
  "data": [
    {
      "taskId": "fcd6cc03c2d7456a93728795a9eff1cd",
      "taskStatus": "ONLINED",
      "name": "task1",
      "type": "SCHEDULE",
      "execStartTime": 1564675200000,
      "execEndTime": 1564689300000,
      "scheduleType": "EVERYDAY",
      "scheduleTimes": [
        {
          "startTime": "10:00:00",
          "endTime": "11:00:00"
        }
      ],
      "description": "this is a task",
      "datasourceType": "VIDEO_FILE",
      "datasources": {
        "devices": [
          {
            "deviceId": "xxxxxxx",
            "videoId": "lzfg54fg871fghwa",
            "videoTimeLength": 600,
            "videoBeginTime": 1564675200001,

```

```

        "historyStreamTimes": [
            {
                "streamStartTime": 1564675200000,
                "streamEndTime": 1564689300000
            }
        ]
    },
    "algorithms": [
        {
            "id": 1
        }
    ],
    "clientName": "cdrs",
    "gmtCreate": 1575463944000,
    "regionId": "1234567"
}, {
    ...
}
]
}

```

Region管理api

Region配置项查询接口

requestPath:/v1/vcs/console/region/config

requestMethod:POST

request:

```

{
    "regionIds":[] // Center节点查询: 1) 为空则返回全部
}

```

respose:

```

{
    "Message": "SUCCESS",
    "Code": "0",
    "RequestId": "ABCABCABC",
    "Data": [

```

```
{
  "regionId": "123456",
  "regionName": "华东1",
  "configs": [
    {
      "name": "playerSdkHost",
      "value": "http://30.42.52.6:7010",
      "group": "uniview",
      "desc": "前端播放器js文件地址",
    },
    {
      "name": "playerApiHost",
      "value": "9.1.8.200",
      "group": "uniview",
      "desc": "前端播放器api地址",
    },
    {
      "name": "mapHost",
      "value": "9.1.8.203:8097",
      "group": "uniview",
      "desc": "地图服务地址"
    },
    {
      "name": "playerRegistHost",
      "value": "http://9.1.8.200",
      "group": "uniview",
      "desc": "播放器注册地址"
    }
  ]
}
```

枚举值含义

- 任务状态

枚举值	含义	可执行的操作
DEVELOPING	编辑中	编辑，删除
APPROVED	待上线	编辑，上线，删除
INIT	上线中	下线
ONLINED	已上线	下线
OFFLINING	下线中	
OFFLINED	已下线	编辑，上线，删除
EXCEPTION	资源不足	编辑，上线，删除
RESOURCENOTENOUGH	资源不足，异常停止	编辑，上线，删除