# 1. TCN100(2)

上报格式参照http://note.youdao.com/groupshare/?token=955BD742A148498E90FC73E6DD0C6211&gid=11341115

TCN100版本无需订阅,无上报

只有最外层及数组可选，内层的全部要填充

即时设置的单独给接口设置

返回数据格式

```
{
    "version": 1,   //固定参数，返回值版本号
    "code": 0,      //固定参数，返回码
    "msg": "xxx",   //可选参数，提示消息
    "data": {       //可选参数，返回数据
        //...
    }
}
```

例获取msata配置的返回：

```
{
    "version": "1",
    "code": 0,
    "data": {
        "num":2,
        "info":[{   //根据数组大小获取硬盘数量
                    "_id":0,
                    "fileFormat":"Ext"
                    "totalSize":3000, //总大小，单位Mb
                    "partNum":3, //分区个数
                    "partSize":[1000,1500,500] //每个分区大小
                },
                {
                    "_id":1,
                    "fileFormat":"Ext"
                    "totalSize":4000,
                    "partNum":3,
                    "partSize":[1000,2500,500]
                }]
    }
}
```

## 1.设备基本信息

| 功能 | 获取设备信息 |
| --- | --- |
| URL path | /api/platform/cfg |
| Method | GET |
| Body | 见“附1” |

备注

- 该信息不需要登录即可获取

附1

```
{   "version": "1",
    "code": 0,
    "data": {
        "hardwareVersion": "1.1",
        "softwareVersion": "1.5.1",
       "systemVersion": "1.5.1",
        "devSN": "af9e937a-c09f-11d3-852e-7c669d63fc1a",
      "barcode": "af9e937a-c09f-11d3-852e-7c669d63fc1a",
        "devType": "edu-fd",
        "devModel": "edf-df.tcn100s",
        "buildDate": "Aug 17 2016 16:26:41",
```

```
        "macaddr": "7c:66:9d:63:fc:1a",
        "appEnv": "tcn"
    }
}
```

## 2. 硬盘接口

| 功能 | **msata格式化** |
| --- | --- |
| URL path | /dev/msata/cmd |
| Method | POST |
| Body | 见“附2” |

备注

- 文件系统格式有"Ext","Ext2","Ext3","JFS","XFS","ReiserFS"

| 功能 | **msata分区** |
| --- | --- |
| URL path | /dev/msata/cmd |
| Method | POST |
| Body | 见“附3” |

备注

- 格式化后才可分区
- 分区大小单位为Mb

| 功能 | **获取msata配置** |
| --- | --- |
| URL path | /dev/msata/cfg |
| Method | GET |
| Body | 见“附4” |

备注

- 文件系统格式有"Ext","Ext2","Ext3","JFS","XFS","ReiserFS"

| 功能 | **获取msata状态** |
| --- | --- |
| URL path | /dev/msata/state |
| Method | GET |
| Body | 见“附5” |

备注

附2

```
{
    "action":"HDFormat",  //行为：格式化
    "paramlist":{
        "_id":0,   //硬盘id  TCN100只有一个硬盘
        "fileSysFormat":"Ext"  //分区格式
    }
}
```

附3

```
{
    "action":"HDPartition",
    "paramlist":{
        "_id":0,
        "partNum":3,  //分区个数
        "partSize":[1000,300] //每个分区大小
    }}
```

附4

```
{
    "version": "1",
    "code": 0,
    "data": {
        "num":2,
        "info":[{    //根据数组大小获取硬盘数量
            "_id":0,
            "fileSysFormat":"Ext"
            "totalSize":3000, //总大小，单位Mb
            "partNum":3, //分区个数
            "partSize":[1000,1500,500] //每个分区大小
        },
        {
            "_id":1,
            "fileSysFormat":"Ext"
            "totalSize":4000,
            "partNum":3,
            "partSize":[1000,2500,500]
        }]
    }
}
```

附5

```
{
    "version": "1",
    "code": 0,
    "data": {
        "HDFormatStatus":"idle" //"idle"空闲、"running"运行中、"error"错误
        "HDPartitionStatus":"idle" //"idle"空闲、"running"运行中、"error"错误
    }
}
```

操作"idle"\"error"->"running"
操作失败"running"->"error"
操作成功"running"->"idle"

## 3. 系统接口

| 功能 | 系统配置 |
| --- | --- |
| URL path | /dev/sys/cfg |
| Method | GET/PUT |
| Body | 见“附6” |

备注

- 网络设置netCfg、自动控制autoCfg、TCN设备名字devName：可选设置上报

| 功能 | 系统命令 |
| --- | --- |
| URL path | /dev/sys/cmd |
| Method | POST |
| Body | 无回复命令见“附7”,测试见"附8"，打包日志命令见"附9"，获取打包状态命令：“附10” |

备注

- 无回复命令action：
- "shutdown"关机（不处理）,"restart"重启,"restore"恢复出厂设置
- "stopNetTest"关闭测试"stopNetService"关闭测试服务
- 
- 测试命令（带回复）："startNetTest"启动测试,,"startNetService"开启测试服务
- 
- 打包命令action（带回复）：
- 系统日志级别："Oper"，"Modif"，"Alarm"，"Init"、
- 操作日志级别："Debug"，"Info"，"Notice"，"Warn"，"Error"，"Fatal"
- “packingSysLog”打包系统日志，“packingOperLog”打包操作日志，“packingConfigFile”打包配置文件
- 
- 获取打包任务状态：“GetPackStatus”

| 功能 | 系统状态 |
| --- | --- |
| URL path | /dev/sys/state |
| Method | GET |
| Body | 见“附11” |

附6

```
{
    "version": "1",
    "code": 0,
    "data": {
        "netCfg":{  //可选
            "num":1,  //网卡数量
            "info":[{   //可选
                    "ifname":"eth0",     //"eth0","eth1" 目前只有eth0
                    "ipmethod":"dhcp",     //"static"静态,"dhcp"动态
                    "ipaddr":"192.168.1.10",
                    "netmask":"255.255.255.255",
                    "gateway":"192.168.1.1"
                }]
        },
        "autoCfg":{   //可选
            "num":1   //自动控制数量
            "info":[{  //自动控制    //可选，可以只发一个
                    "autoControl":"autoAwait",   //名字不可更改
                    "switch":"On",      //开关   //"On","Off"
                    "awitTime":30,      //分
                },
                {
                    "autoControl":"autoShutdown",  //名字不可更改
                    "switch":"Off",      //开关  //"On","Off"
                    "awitTime":30,      //分
                }]
        },
        "portRange":{       //可选
            "beginPort":1000,     //起始端口
            "endPort":2000,       //结束端口
        },
        "devName":"多媒体教室",//可选
        "companyInfo":{ //不可设
            “logoUrl”:""//去下载
            “companyName”:""
            “companyAddr”:""
            “companyWeb”:""
        }
    }}
```

附7

```
{
    "action":"shutdown"  //"shutdown"关机,"restart"重启
                                        //"stopNetTest","stopNetService"
}
```

附8

```
{
    "action":"startNetTest",  //开始网络测试
    "paramlist":{
        "ipaddr":"192.168.1.100",  //IP地址
        "protocolType":"tcp",    //"tcp","udp","tls","utls" //协议类型
        "bandWidth":20    //2,10,20,50,100,300,500,800  //带宽（Mb）
        "testTime":20     //10,20,30  (秒)  //测试时长
    }
}
{
    "action":"startNetService"   //"startNetService"开始测试服务
}
```

测试回复:

```
{  "version": "1",
```

```
    "code": 0,
    "data": {
        "url":""//去下载
}
```

附9

```
{   //打包系统日志
    "action":"packingSysLog",
    "paramlist":{
        "logType":"Oper",  //系统日志级别："Oper"，"Modif"，"Alarm"，"Init"
    }
}
{   //打包操作日志
    "action":"packingOperLog",
    "paramlist":{
        "logType":"Info",
                    //操作日志级别："Debug"，"Info"，"Notice"，"Warn"，"Error"，"Fatal"
    }
}
{   //打包配置
    "action":"packingConfigFile"
}
```

打包回复：

```
{
    "version": "1",
    "code": 0,
    "data": {
        "url":""//去下载
    }
}
```

附10

```
{   //查询打包状态
    "action":"getPackStatus",
    "paramlist":{
        "url":""//对应的URL
    }
}
```

回复

打包回复：

```
{
    "version": "1",
    "code": 0,
    "data": {
        "packStatus":"nofind"
                    //"nofind"该任务不存在、"running"运行中、"finished"完成 、"error"失败
    }
}
```

打包"nofind"\"error"\"finished" ->"running"

打包失败"running" ->"error"

打包完成"running"->"finished"

附11

```
{
    "version": "1",
    "code": 0,
    "data": {
        "cpu":{
            "rate":0.0215,    //占有率：2.15%
        },
        "ram":{       //内存
            "usedSize":2000,    //Mb
            "totalSize":3000    //Mb
        },
        "disk":{       //硬盘
            "num":1,
            "info":[{
                "usedSize":2000,    //Mb
                "totalSize":3000    //Mb
            }]
        },
    }
}
```

# 4. 账户接口

| 功能 | 账户命令 |
| --- | --- |
| URL path | /dev/account/cmd |
| Method | POST |
| Body | 见“附12” |

备注

- 账户登录登出与旧接口一样
- 修改密码

附12

```
{
    "action":"alterPassWord",
    "paramlist":{
        "account":{
            "username":"admin",
            "password":"admin"
        },
        "newPassWord":"tendzone"
    }}
```

## 5. 上传下载资源

| 功能 | 上传资源 |
| --- | --- |
| URL path | /api/storage/file?type={type}&path={filename}&param={coversign} |
| Method | PUT |
| Body | |

备注

- type:"protocol"上传协议、“picture"图片资源（视频输出背景图、开机图）、“config”配置文件
- coversign 0 不覆盖、1覆盖

| 功能 | 下载资源 |
| --- | --- |
| URL path | 见对应接口给的URL |
| Method | GET |
| Body | |

备注

- 见对应接口给的URL下载

## 6. 中控接口

| 功能 | 中控配置 |
| --- | --- |
| URL path | /dev/control/cfg |
| Method | GET/PUT |
| Body | 见“附13” |

备注

-

| 功能 | 中控命令 |
| --- | --- |
| URL path | /dev/control/cmd |
| Method | POST |
| Body | 见“附14”，"见“附15” |

备注

- 系统命令action："persctrl"外设控制（com、ir等等）见“附14”
- 红外命令："irStudyBegin"红外学习开始,"irStudyStudy"红外学习,
- "irStudyCancel"红外学习取消,"irStudyFinished"红外学习完成.见“附15”

| 功能 | 中控状态 |
| --- | --- |
| URL path | /dev/control/state |
| Method | Get |
| Body | 见“附16” |

备注

- 中控学习状态："idle","success","wait","error"(空闲时"idle",学习成功时"success",等待学习"wait",该命令学习失败"error").
- irStudyBegin:"idle"->"success"
- irStudyStudy:"success"\"error"->"wait"
- irStudyCancel:"success"\"wait"->"idle"
- irStudyFinished:"success"\"wait"->"idle"
- 学习完一个命令："wait"->"success"
- 学习失败一个命令："wait"->"error"

| 功能 | 中控相关列表 |
| --- | --- |
| URL path | /dev/control/items?listName={listname}&listType={listType} |
| Method | GET |
| Body | 见“附17”,"附18" |

备注

- listType:"Protocol"协议、"ProtocolBtn"协议按钮、"ProtocolType"协议类型
- "Protocol"协议的listname有:
- IR协议列表："irProtocol",见"附15"
- IO协议列表："ioProtocol",见"附15"
- COM协议列表："comProtocol",见"附15"
- relay协议列表:"relayProtocol",见"附15"
- 时序电源协议列表"timingPowerProtocol",见"附15"
- 
- "ProtocolBtn"协议按钮的listname是对应协议名
- 获取该协议拥有的命令，见"附16"

附13

```
{
    "version": "1",
    "code": 0,
    "data": {
        "Uart":{       //可选
            "num":1,  //GET时是总数量，PUT时是设置的数量
            "info":[{   //串口设置   //可选
                    "_id":0,
                    "serialMode":"RS232",  // "RS232"，"RS485"，"RS422"
                    "baudRate ":"600",
                                //600,1200,2400,4800,9600,19200,38400,57600,115200
                    "dataBit ":"5",  //"5","6","7","8"
                    "stopBit":"1",  //"1","2"
                    "parityCheckRuleType":"NotParityCheck"
                                        //"NotParityCheck","EvenParityCheck","OddParityCheck"
                }]
        },
        "IO":{       //不可设置
```

```
            "num":1,
        },
        "IR":{      //不可设置
            "num":1,
        },
        "Relay":{       //不可设置
            "num":1,
        },
        "TimingPower":{       //不可设置
            "num":1,
        },
        "protocol":{   //可选
            num:5,   //GET是总协议数量，PUT是设置数量
            bindProtInfo:[{   //可选
                perType:"Uart", //类型
                _id:0,   //该类型对应的id  即Uart0
                "protName:"" //协议
            },
            {
                perType:"IO", //类型
                _id:0,
                protName:"" //协议
            },
            {
                perType:"IR", //类型
                _id:0,
                protName:"" //协议
            },
            {
                perType:"Relay", //类型
                _id:0,
                protName:"" //协议
            },
            {
                perType:"TimingPower", //类型
                _id:0,
                protName:"" //协议
            }]
        }
}
```

附14

```
{
    "action":"persctrl"   //根据协议控制
    "paramlist":{
        "perType":"IR"    //"IR","Uart","Relay","IO","TimingPower"
        "_id":0,
        "cmd":"",     //根据协议
        "param":[1,2,3]   //保留参数
    }
}
```

附15

```
{
    "action":"irStudyBegin"   //"irStudyBegin"红外学习开始
    "paramlist":{
        "protocol":"comprotocol"  //协议名称
        "isNew"：0   //是否是新的协议
        "isCover"：0   //是否覆盖：不覆盖，文件已存在，则返回失败
    }
}
{
    "action":"irStudyCmdStudy"   //红外学习命令 //"irStudyCmdCancel"红外取消学习命令（取消学习一条命令）
    "paramlist":{
        "protocol":"comprotocol"  //协议名称
        "cmd":"left"  //命令名称
    }
}
{
    "action":"irStudyCancel"
        //"irStudyCancel"红外学习取消（取消整个协议学习）,"irStudyFinished"红外学习完成}
```

```
{
    "action":"deleteProtocol"   //"deleteProtocol"删除协议
    "paramlist":{
        "protocol":"comprotocol"  //协议名称
    }
}
{
    "action":"deleteProtCmd"   //"deleteProtCmd"删除命令
    "paramlist":{
        "protocol":"comprotocol"  //协议名称
        "cmd":"left"  //命令名称
    }
}
```

附16

```
{
    "version": "1",
    "code": 0,
    "data": {
        "irStatus":"idle"
        }
    }
}
```

附17

```
{
    "version": "1",
    "code": 0,
    "data": {
        "num":3,  //协议个数
        "list":[{
                    "protocol":"irprotocol1"  //协议名称，不带文件后缀
                },{},{},{},{}]
    }
}
```

附18

```
{
    "version": "1",
    "code": 0,
    "data": {
        "num":3,  //命令个数
        "list":[{
                    "cmd":"left"   //命令名称
                },{},{},{},{}]
    }
}
```

## 7. 音频输入

| 功能 | 设置音频输入配置 |
| --- | --- |
| URL path | /dev/audioin/cfg |
| Method | GET |
| Body | 见“附19” |

备注

- 分别为设置输入音量、是否静音、是否幻象供电
- 音量的值为整数0~100
- 7路音频输入，实际根据数组大小判断

附19

```
{  "version": "1",  "code": 0,  "data": {
        "audInCfg":[{   //根据实际个数，数组大小决定个数,可选
            "_id":1,
            "type":"Hisilicon"  //输入类型,"Hisilicon","AudioDeal","H2A","A2H" （不可更改）
            "name":"HDMI音频1" //名字
            "volume":50,  //音量范围为0~100
            "AEC":0,   //是否打开回声消除  保留
            "AGC":1,   //是否打开自动增益  保留
            "ANC":1,   //是否打开噪声抑制  保留
```

```
            "mute":0,  //是否静音
            "supportEPCtrl":0, //是否支持幻象供电
            "eidolonPower":0 //是否使用幻象供电
        },{},{}]
    }
}
```

| 功能 | 设置音频输入命令 |
| --- | --- |
| URL path | /dev/audioin/cmd |
| Method | POST |
| Body | 见“附20” |

附20

```
{
    "action":"alterVolume"
                    //"alterVolume"修改音量，"setMute"设置静音，
                    //"setEidolonPower"设置幻象供电

    "paramList":{
        "_id":1,
        "intValue":2,
    }
}
```

## 8. 音频输出

| 功能 | 设置音频输出配置 |
| --- | --- |
| URL path | /dev/audioout/cfg |
| Method | GET/PUT |
| Body | 见“附21” |

备注

- 分别设置输出音量、是否闭音
- 6路音频输出，实际根据数组大小判断

附21

```
{
    "version": "1",
    "code": 0,
    "data": {
        "audOutCfg":[{
            "_id":1,  //根据实际个数，数组大小决定个数 //音频输出id
            "type":"Hisilicon" //输入类型,"Hisilicon","AudioDeal","H2A","A2H" （不可更改）
                        //AudioDeal时， AudioDeal和H2A的可混
                        //Hisilicon时， Hisilicon和A2H的可混
                        //H2A时， Hisilicon的可混
                        //A2H时， AudioDeal的可混
            "name":"吊麦1" //名字
            "volume":50,  //音量
            "shield:0   //是否闭音
            "supportAmpCtrl":0, //是否支持功放  //不可改
            "ampCtrl":0     //是否启用功放
        },{},{}],
        "audOutMixCfg":[{  //可选
            "_id":1,  //音频输出id
            "mix":[0,1,0,1,1,0,1] //混音
        },{},{}]
    }
}
```

| 功能 | 设置音频输出命令 |
| --- | --- |
| URL path | /dev/audioout/cmd |
| Method | POST |
| Body | 见“附22” |

附22

```
{
    "action":"alterVolume"
                        //"alterVolume"修改音量，"setMute"设置静音，
                        //"setAmpCtrl"设置功放
    "paramList":{
        "_id":1,
        "intValue":2,
    }
}
```

## 9. 视频输入

| 功能 | 视频输入配置 |
| --- | --- |
| URL path | /dev/videoin/cfg |
| Method | GET/PUT |
| Body | 见“附23” |

备注

- 4路视频输入，实际根据数组大小判断

附23

```
{
    "version": "1",
    "code": 0,
    "data": {
    "vidInCfg":[{    //可选
            "_id":0,    //索引
            "name":"DVI2/HDMI",  //名字
            "portParam":{
                "bright":50,   //亮度
                "contrast":60,  //对比度
                "tone":70,  //色调
                "saturation":80  //饱和度
            },
            "portType":"VGA",  //端口类型
                                    //VGA、YPbPr、DVI、HDMI、HDMI1、AUTO
        },{},{}]
    }
}
```

| 功能 | 视频输入命令 |
| --- | --- |
| URL path | /dev/videoin/cmd |
| Method | POST |
| Body | 见“附24” |

备注

- 4路视频输入，实际根据数组大小判断

附24

```
{
    "action":"alterBright"
                        //"alterBright"修改亮度,"alterContrast"修改对比度
                        //"alterTone"修改色调,"alterSaturation"修改饱和度
    "paramList":{
        "_id":0,    //索引
```

```
        "intValue":2
    }
}
```

| 功能 | 视频输入状态 |
| --- | --- |
| URL path | /dev/videoin/state |
| Method | GET |
| Body | 见“附25” |

备注

- 4路视频输入，实际根据数组大小判断

附25

```
{
    "version": "1",
    "code": 0,
    "data": {
        "vidInInfo":{
            num:2,
            info:[{
                "_id":0,    //索引
                "width":1920,  //宽
                "height":1080,  //高
                "frameRate":30  //帧率
                "portType":"VGA", //端口类型
                                        //VGA、YPbPr、DVI、HDMI、HDMI1
            },{},{}]
        }
    }
}
```

## 10. 视频输出

| 功能 | 视频输出配置 |
| --- | --- |
| URL path | /dev/videoout/cfg |
| Method | GET/PUT |
| Body | 见“附26” |

备注

- 3个视频输出，实际根据数组大小判断

附26

```
{
    "version": "1",
    "code": 0,
    "data": {
        "vidOutCfg":[{  //可选
            "_id":0,    //索引
            "name":"HDMI",  //名字
            "use":1,    //是否启用 保留
            "portParam":{
                "bright":50,   //亮度
                "contrast":60,  //对比度
                "tone":70,  //色调
                "saturation":80  //饱和度
            },
            "audioType":"HDMI",    //是否输出音频，有DVI(不带声音),HDMI(带声音),AUTO(自动检测)
        },{},{}]
    }
}
```

| 功能 | 视频输出命令 |
| --- | --- |
| URL path | /dev/videoout/cmd |
| Method | POST |
| Body | 见“附27” |

附27

```
{
    "action":"alterBright"
                        //"alterBright"修改亮度,"alterContrast"修改对比度
                        //"alterTone"修改色调,"alterSaturation"修改饱和度
    "paramList":{
        "_id":0,    //索引
        "intValue":2,
    }}
```

## 11. 同源画面

| 功能 | 配置同源画面 |
| --- | --- |
| URL path | /dev/vidcontent/cfg |
| Method | GET/PUT |
| Body | 见“附28” |

备注

- 2个同源画面

附28

```
{
    "version": "1",
    "code": 0,
    "data": {
        "vidContentCfg":[{    //可选
            "_id":0,        //显示ID
            "name":"画面1",    //名字
            "vidOutId":[0,1]      //同源输出,视频输出索引
            "defaultPic":""          //背景图
            "outputParam":{
                "fmtType":"720p",       //分辨率，有CIF,4CIF,720P,1080P,4K
                "frameRate":60,  //帧率
            },
            "ScanningType":"Line" //"Line"逐行显示，"Interlaced"隔行显示
            "expandMode":"ScaleUp" //图像放大模式，有ScaleUp(比例放大),FillTo(填充)
        },
        {     //可选
            "_id":1,      //显示ID
            "name":"画面2",    //名字
            "vidOutId":[2]       //同源输出,视频输出id
            "defaultPic":""          //背景图
            "outputParam":{
                "fmtType":"720p",       //分辨率，有CIF,4CIF,720P,1080P,4K
                "frameRate":60,  //帧率
            },
            "ScanningType":"Line" //"Line"逐行显示，"Interlaced"隔行显示
            "expandMode":"ScaleUp" //图像放大模式，有ScaleUp(比例放大),FillTo(填充)
        }]
    }
}
```

## 12. 编码

| 功能 | 编码配置 |
| --- | --- |
| URL path | /dev/encode/cfg |
| Method | GET/PUT |
| Body | 见“附29” |

备注

- 实际根据数组大小判断

附29

```
{
    "version": "1",
    "code": 0,
    "data": {
        "vidTncCfg":[{    //可选
            "channelType":"main", //通道类型，有main,pub,preview
            "devChn":{
                "devType":"Chan",
                _id:0
            },
            "vidEncParam":{
                "width":1920,     //编码宽
                "height":1080,     //编码高
                "frameRate":60,    //帧率  0-60
                "bitRate":8388608,    //码率  128kb-8mb
                "IFrameInterval":30,      //I帧间隔  30-300
                "QPParam":{     //量化参数
                    "maxIQP":50,    //I帧最大量化系数，范围10~50
                    "minIQP":50,    //I帧最小量化系数，范围10~50
                    "maxPQP":50,    //P帧最大量化系数，范围10~50
                    "minPQP":50,    //P帧最小量化系数，范围10~50
                }
            }
        },{},{},{}]
    }
}
```

## 13. 接入RTSP接口

| 功能 | RTSP |
| --- | --- |
| URL path | /dev/rtspc/cfg |
| Method | GET/PUT |
| Body | 见“附30” |

备注 RtspC\RtspS可选设置

附30

```
{
    "version": "1",
    "code": 0,
    "data": {
        "RtspC":{
            num:2,
            info:[{   //可选
                "_id":0,
                "valid":1,      //是否启用
                "name":"教室1",      //名称
                "mainUrl": "rtsp://use:passwd@ip:port/path" //rtsp路径
                "previewUrl": "rtsp://use:passwd@ip:port/path" //rtsp路径
            },
            {}]
        }
    }
}
```

| 功能 | **RTSP** |
| --- | --- |
| URL path | /dev/rtspc/cmd |
| Method | POST |
| Body | 见“附32” |

附32

```
{
    "action":"StopRtspC"  //"StopRtspC","StartRtspC"
    "paramList":{
        "_id":2,
    }
}
```

## RTSP接口

| 功能 | **RTSP** |
| --- | --- |
| URL path | /dev/rtsps/cfg |
| Method | GET/PUT |
| Body | 见“附33” |

附33

```
{  "version": "1",  "code": 0,  "data": {
        "RtspS":{
            num:2,
            info:[{  //可选
                "_id":0,
                "name":"教室2",       //名称
                "valid":1,       //是否启用
                "openMain":1,       //是否启用主流
                "openSub":0,       //是否启用子流
                "openPreview":1,       //是否启用预览流
                "username":"admin",       //用户名
                "password":"admin",       //密码
                "suffix":"path",       //路径后缀
                "ipaddr":"0.0.0.0", //固定0.0.0.0
                "port":554,  //固定554

                "sourceChn":{   //rtsp客户端源的来源
                    "devType":"RtspC",  //来源类型
                                //"RtspC","AudIn","AudOut","VidIn","VidOut","VidContent"
                    "_id":2   //通道id
                },
            },
            {}]
    }}
```

| 功能 | **RTSP** |
| --- | --- |
| URL path | /dev/rtsps/cmd |
| Method | POST |
| Body | 见“附34” |

附34

```
{
    "action":"StopRtspS"  //"StopRtspS","StartRtspS"
    "paramList":{
        "_id":2,
    }
}
```

# 14. 媒体

| 功能 | 媒体配置 |
| --- | --- |
| URL path | /dev/media/cfg |
| Method | GET/PUT |
| Body | 见“附35” |

备注

附35

```
{
    "version": "1",
    "code": 0,
    "data": {
        "AVRelationCfg":{
            num:2,
            "info":[{
                "audOutId":0,    //音频输出id
                "vidInId":1,    //视频输入id
                "delayTime":10    //延时ms
            },{}]
    }
}
```

| 功能 | 媒体命令 |
| --- | --- |
| URL path | /dev/media/cmd |
| Method | POST |
| Body | 见“附36” |

备注 action：

音频测试：环回、默认-"StartAudLoop","StopAudLoop","StartAudPlayTest","StopAudPlayTest"

视频测试：环回、默认、编解码环回-"StartVidLoop,","StopVidLoop","StartVidDispTest","StopVidDispTest","StartCoderLoop","StopCoderLoop"

| 功能 | 媒体状态 |
| --- | --- |
| URL path | /dev/media/state |
| Method | GET |
| Body | 见“附37” |

备注 音频状态："idle"空闲 "record"录制 "play"播放

视频状态："idle"空闲 "play"播放

附36

```
{
    "action":"StartAudPlayTest"  //"StartAudPlayTest","StartVidPlayTest"
    "paramList":{
        "outNum":2,
        "outId":[2,1]
    }
}
{
    "action":"StopAudPlayTest"
                //"StopAudPlayTest","StopAudLoop"
                //"StopVidPlayTest","StopVidLoop","StopCoderLoop"
}
{
    "action":"StartAudLoop"  //"StartAudLoop","StartVidLoop","StartCoderLoop"
    "paramList":{
        "inNum":2,
        "inId":[2,3],
        "outNum":2,
        "outId":[0,1]
    }
}
```

附37

```
{
    "version": "1",
    "code": 0,
    "data": {
        "audStatus":"record"    //"idle"空闲  "record"录制  "play"播放
        "vidStatus":"idle"     //"idle"空闲  "play"播放
    }
}
```