- **初始化房间，录课端在进行录制的时候需要调用**

  URI:

  **POST** http://127.0.0.1:9002/record/configure

  参数: (**form**表单)

| 参数名 | 类型 | 示例 | 备注 |
|---|---|---|---|
| room | String | 1234 | 必传(房间号) |
| class_id | String | "class_id" | 必传(上传需要要) |
| upload_server | String | "http://192.168.5.141:13980/classVideo/api/uploadClassVideo" | 必传(上传服务器完整路径) |

  请求示例:

  ```
  $ curl -v \
    -X POST \
    -H "Accept-Language: zh-Hans-CN;q=1.0" \
    -H "User-Agent: CloudyClassOSX" \
    -H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
    -H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
    -d
  "class_id=10000114&room=1234&upload_server=http%3A//192.168.5.141%3A13980/classVideo/api/uploadClassVideo" \
    "http://127.0.0.1:9002/record/configure"
  ```

  响应示例(content-type: application/json):

  ```
  {
    "state": 1, // state=1 表示业务处理表示成功，否则表示失败
    "code": "Room 1234 has configured"
  }
  ```

  - **开始录制**

  URI:

  **POST** http://127.0.0.1:9002/record/start

  Params: (**form**)

| 参数名 | 类型 | 示例 | 备注 |
| --- | --- | --- | --- |
| room | String | 1234 | 必传(房间号) |
| cam | String | rtsp://192.168.5.160/1 | 必传(开始录制时候的摄像头地址) |
| mic | String | '回音消除话筒 (Yealink CP900 Audio)' | 需要录制的麦克风设备名称 |
| screen | String | 1 | 必传('1'开启屏幕录制，其他为不开启) |

请求示例：

```
$ curl -v \
  -X POST \
  -H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
  -H "Accept-Language: zh-Hans-CN;q=1.0" \
  -H "User-Agent: CloudyClassOSX" \
  -H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
  -d "pin=1234&publisher=1&room=1234" \
  "http://127.0.0.1:9002/record/start"
```

响应示例(*content-type: application/json*)：

```
{
  "state": 1, // state=1 表示业务处理表示成功，否则表示失败
  "code": "Start recording at room 1234"
}
```

- **暂停录制**

  URI:

  **POST** http://127.0.0.1:9002/record/pause

  Params: (**form**)

| 参数名 | 类型 | 示例 | 备注 |
| --- | --- | --- | --- |
| room | String | 1234 | 必传(房间号) |

请求示例：

```
$ curl -v \
  -X POST \
  -H "Accept-Language: zh-Hans-CN;q=1.0" \
  -H "User-Agent: CloudyClassOSX" \
  -H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
  -H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
  -d "room=1234" \
  "http://127.0.0.1:9002/record/pause"
```

响应示例(*content-type: application/json*):

```
{
  "state": 1, // state=1 表示业务处理表示成功，否则表示失败
  "code": "Pause recording at room 1234"
}
```

- **结束录制，结束录制后自动上传视频的封面和视频至文件服务器**

  URI:

  **POST** http://127.0.0.1:9002/record/stop

  Params: (**form**)

  | 参数名 | 类型 | 示例 | 备注 |
  | --- | --- | --- | --- |
  | room | String | 1234 | 必传(房间号) |

  请求示例：

```
$ curl -v \
  -X POST \
  -H "Accept-Language: zh-Hans-CN;q=1.0" \
  -H "User-Agent: CloudyClassOSX" \
  -H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
  -H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
  -d "room=1234" \
  "http://127.0.0.1:9002/record/stop"
```

  响应示例(*content-type: application/json*):

```
{
  "state": 1, // state=1 表示业务处理表示成功，否则表示失败
  "code": "Stop recording at room 1234"
}
```

- **切换摄像头**

  URI:

  **POST** http://127.0.0.1:9002/record/camera

  Params: (**form**)

  | 参数名 | 类型 | 示例 | 备注 |
  |--------|------|------|------|
  | room | String | 1234 | 必传(房间号) |
  | cam | String | rtsp://192.168.5.160/1 | 必传(开始录制时候的摄像头地址) |
  | mic | String | '回音消除话筒 (Yealink CP900 Audio)' | 需要录制的麦克风设备名称 |

  请求示例:

  ```
  $ curl -v \
    -X POST \
    -H "Accept-Language: zh-Hans-CN;q=1.0" \
    -H "User-Agent: CloudyClassOSX" \
    -H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
    -H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
    -d "cam=rtsp&room=1234&mic=some" \
    "http://127.0.0.1:9002/record/camera"
  ```

  响应示例(*content-type: application/json*):

  ```
  {
    "state": 1, // state=1 表示业务处理表示成功，否则表示失败
    "code": "Switch to CAM1"
  }
  ```

- **关闭/开启共享授课端屏幕**

  URI:

  **POST** http://127.0.0.1:9002/record/screen

  Params: (**form**)

  | 参数名 | 类型 | 示例 | 备注 |
  |--------|------|------|------|
  | room | String | 1234 | 必传(房间号) |
  | cmd | String | 1 or 2 | 必传(1为开启录制，2为关闭录制) |

  请求示例:

```
$ curl -v \
  -X POST \
  -H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
  -H "Accept-Language: zh-Hans-CN;q=1.0" \
  -H "User-Agent: CloudyClassOSX" \
  -H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
  -d "cmd=1&room=1234" \
  "http://127.0.0.1:9002/record/screen"
```

响应示例(*content-type: application/json*):

```
{
  "state": 1, // state=1 表示业务处理表示成功，否则表示失败
  "code": "Start recording screen at room 1234"
}
```

- **重置房间**

  URI:

  **POST** http://127.0.0.1:9002/record/reset

  Params: (**form**)

  | 参数名 | 类型 | 示例 | 备注 |
  |---|---|---|---|
  | room | String | 1234 | 必传(房间号) |

  请求示例：

  ```
  $ curl -v \
    -X POST \
    -H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
    -H "Accept-Language: zh-Hans-CN;q=1.0" \
    -H "User-Agent: CloudyClassOSX" \
    -H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
    -d "room=1234" \
    "http://127.0.0.1:9002/record/reset"
  ```

  响应示例(*content-type: application/json*):

  ```
  {
    "state": 1, // state=1 表示业务处理表示成功，否则表示失败
    "code": "Room 1234 is reset"
  }
  ```