PushHub API 调用说明

1. 请求方式

使用 POST 请求:

POST http://{host}:5020/pushhub/subscribe

使用 WebSocket 接收检测结果:

ws://{host}:5020/pushhub/ws/results

2. 调用工具

1. 文件请求:可以通过 curl 或 Python requests 发送 JSON 请求文件。

2. Postman:在 Postman中新建一个 POST 请求,地址为

3. http://{host}:5020/pushhub/subscribe

在 Body 中选择 raw -> JSON 格式,输入请求体即可。

3. 请求示例

curl 示例

curl -X POST "http://localhost:5020/pushhub/subscribe" \

-H "Content-Type: application/json" \

-d '{

"streams":

["rtsp://192.168.130.14:8554/test5","rtsp://192.168.130.14:8554/test13","rtsp://192.168.130.14:8554/face_two_man","rtsp://192.168.130.14:8554/test49","rtsp://192.168.130.14:8554/test42","rtsp://192.168.130.14:8554/test48","rtsp://192.168.130.14:8554/f4","rtsp://192.168.130.14:8554/test45","rtsp://192.168.130.14:8554/test45","rtsp://192.168.130.14:8554/test45","rtsp://192.168.130.14:8554/f2","rtsp://192.168.130.14:8554/test10","rtsp://192.168.130.14:8554/test

4/test36", "rtsp://192.168.130.14:8554/action2", "rtsp://192.168.130.14:8554/test23", "r tsp://192.168.130.14:8554/test50","rtsp://192.168.130.14:8554/test20","rtsp://192.16 8.130.14:8554/test12","rtsp://192.168.130.14:8554/test19","rtsp://192.168.130.14:855 4/test2","rtsp://192.168.130.14:8554/test21","rtsp://192.168.130.14:8554/test25","rts p://192.168.130.14:8554/test29","rtsp://192.168.130.14:8554/test14","rtsp://192.168. 130.14:8554/test22","rtsp://192.168.130.14:8554/action1","rtsp://192.168.130.14:855 4/test31","rtsp://192.168.130.14:8554/test53","rtsp://192.168.130.14:8554/test3","rts p://192.168.130.14:8554/test32","rtsp://192.168.130.14:8554/cover2","rtsp://192.168. 130.14:8554/test8","rtsp://192.168.130.14:8554/test44","rtsp://192.168.130.14:8554/t est15","rtsp://192.168.130.14:8554/test35","rtsp://192.168.130.14:8554/face wwz","rt sp://192.168.130.14:8554/test34","rtsp://192.168.130.14:8554/test27","rtsp://192.168 .130.14:8554/test11","rtsp://192.168.130.14:8554/test1","rtsp://192.168.130.14:8554/ face ball","rtsp://192.168.130.14:8554/test30","rtsp://192.168.130.14:8554/test37","rt sp://192.168.130.14:8554/cover1","rtsp://192.168.130.14:8554/test6","rtsp://192.168. 130.14:8554/test9", "rtsp://192.168.130.14:8554/test17", "rtsp://192.168.130.14:8554/f 3","rtsp://192.168.130.14:8554/test47","rtsp://192.168.130.14:8554/test28","rtsp://19 2.168.130.14:8554/test33","rtsp://192.168.130.14:8554/face zzs","rtsp://192.168.130. 14:8554/test46","rtsp://192.168.130.14:8554/test7","rtsp://192.168.130.14:8554/area 1","rtsp://192.168.130.14:8554/face fzp","rtsp://192.168.130.14:8554/f5","rtsp://192. 168.130.14:8554/test43", "rtsp://192.168.130.14:8554/test18", "rtsp://192.168.130.14:8 554/water2", "rtsp://192.168.130.14:8554/test26", "rtsp://192.168.130.14:8554/water1 ","rtsp://192.168.130.14:8554/water3","rtsp://192.168.130.14:8554/test38","rtsp://19 2.168.130.14:8554/test39","rtsp://192.168.130.14:8554/test40","rtsp://192.168.130.14 :8554/test4","rtsp://192.168.130.14:8554/mix zhiliu paihuai","rtsp://192.168.130.14:8 554/f1","rtsp://192.168.130.14:8554/test54","rtsp://192.168.130.14:8554/test16","rtsp ://192.168.130.14:8554/test41", "rtsp://192.168.130.14:8554/test24", "rtsp://192.168.1 30.14:8554/test51"],

```
"current_threshold": 18,

"edge_params": {"low": 50, "high": 150, "min_ratio": 0.02},

"tamper_params": {"entropy_threshold": 4.2, "diff_threshold": 25.0}
}'
```

示例说明

• streams:要订阅的视频流名称数组,例如 "cam-lobby"、"cam-parking"。

- current_threshold:黑屏检测的灰度均值阈值,低于该值则认为画面过暗。
- edge params: 遮挡检测参数:
 - 。 low / high: Canny 边缘检测阈值。
 - o min ratio:最小边缘像素比例,低于此比例认为画面被遮挡。
- tamper_params: 篡改检测参数:
 - entropy_threshold:画面熵低于此值认为被篡改(低信息量)。
 - 。 diff_threshold:相邻帧差异均值超过此值认为有剧烈运动(可能人为干扰)。

4. 接收示例

```
成功响应示例(REST)
{
  "ok": true,
  "epoch": 7,
  "subscribed":
```

["rtsp://192.168.130.14:8554/test5","rtsp://192.168.130.14:8554/test13","rtsp://192.168.130.14:8554/face_two_man","rtsp://192.168.130.14:8554/test49","rtsp://192.168.130.14:8554/test42","rtsp://192.168.130.14:8554/test48","rtsp://192.168.130.14:8554/f4","rtsp://192.168.130.14:8554/test52","rtsp://192.168.130.14:8554/test45","rtsp://192.168.130.14:8554/test45","rtsp://192.168.130.14:8554/test10","rtsp://192.168.130.14:8554/test23","rtsp://192.168.130.14:8554/test20","rtsp://192.168.130.14:8554/test20","rtsp://192.168.130.14:8554/test20","rtsp://192.168.130.14:8554/test20","rtsp://192.168.130.14:8554/test19","rtsp://192.168.130.14:8554/test25","rtsp://192.168.130.14:8554/test29","rtsp://192.168.130.14:8554/test14","rtsp://192.168.130.14:8554/test29","rtsp://192.168.130.14:8554/test14","rtsp://192.168.130.14:8554/test21","rtsp://192.168.130.14:8554/test14","rtsp://192.168.130.14:8554/test21","rtsp://192.168.130.14:8554/test14","rtsp://192.168.130.14:8554/test21","rtsp://192.168.130.14:8554/test14","rtsp://192.168.130.14:8554/test21","rtsp://192.168.130.14:8554/test14","rtsp://192.168.130.14:8554/test31","rtsp://192.168.130.14:8554/

p://192.168.130.14:8554/test32","rtsp://192.168.130.14:8554/cover2","rtsp://192.168. 130.14:8554/test8","rtsp://192.168.130.14:8554/test44","rtsp://192.168.130.14:8554/t est15","rtsp://192.168.130.14:8554/test35","rtsp://192.168.130.14:8554/face wwz","rt sp://192.168.130.14:8554/test34","rtsp://192.168.130.14:8554/test27","rtsp://192.168 .130.14:8554/test11","rtsp://192.168.130.14:8554/test1","rtsp://192.168.130.14:8554/ face_ball","rtsp://192.168.130.14:8554/test30","rtsp://192.168.130.14:8554/test37","rt sp://192.168.130.14:8554/cover1","rtsp://192.168.130.14:8554/test6","rtsp://192.168. 130.14:8554/test9","rtsp://192.168.130.14:8554/test17","rtsp://192.168.130.14:8554/f 3","rtsp://192.168.130.14:8554/test47","rtsp://192.168.130.14:8554/test28","rtsp://19 2.168.130.14:8554/test33", "rtsp://192.168.130.14:8554/face zzs", "rtsp://192.168.130. 14:8554/test46","rtsp://192.168.130.14:8554/test7","rtsp://192.168.130.14:8554/area 1","rtsp://192.168.130.14:8554/face fzp","rtsp://192.168.130.14:8554/f5","rtsp://192. 168.130.14:8554/test43", "rtsp://192.168.130.14:8554/test18", "rtsp://192.168.130.14:8 554/water2", "rtsp://192.168.130.14:8554/test26", "rtsp://192.168.130.14:8554/water1 ","rtsp://192.168.130.14:8554/water3","rtsp://192.168.130.14:8554/test38","rtsp://19 2.168.130.14:8554/test39","rtsp://192.168.130.14:8554/test40","rtsp://192.168.130.14 :8554/test4", "rtsp://192.168.130.14:8554/mix zhiliu paihuai", "rtsp://192.168.130.14:8 554/f1","rtsp://192.168.130.14:8554/test54","rtsp://192.168.130.14:8554/test16","rtsp ://192.168.130.14:8554/test41","rtsp://192.168.130.14:8554/test24","rtsp://192.168.1 30.14:8554/test51"]

响应说明

}

• ok:布尔值,是否成功。

• epoch: 当前订阅版本号,每次调用 /subscribe 都会自增。

• subscribed:已生效的流列表。

WebSocket 接收示例

```
{
    "epoch": 7,
    "data": {
```

```
"stream": "rtsp://192.168.130.14:8554/test5",
"ts_wall": "2025-09-12T16:20:11.123Z",
"shape": [1080, 1920, 3],
"result": {
    "state": "Normal",
    "ratio": 7.35
    }
}

消息说明

    epoch: 消息所属的订阅版本号。
    data.stream: 流名称(对应订阅时传入的值)。
```

- data.ts_wall:帧的时间戳(ISO8601格式,UTC时间)。
- data.shape: 帧的尺寸信息(如[高度,宽度,通道数])。
- data.result:检测结果:
 - o state:状态(可能的值: Normal、Black Screen、Occluded、 Tampered (Low Entropy)、Tampered (Violent Motion)、Error)。
 - 。 ratio:边缘像素比例(百分比),在 Normal 和 Occluded 场景下出现。
 - 。 entropy: 画面熵值,在低熵篡改时出现。
 - diff ratio:相邻帧差异均值,在剧烈运动时出现。
 - 。 error:错误信息,仅在 Error 状态下返回。