# raspiCamSrv

API for Raspberry Pi Camera Server (raspiCamSrv) https://github.com/signag/raspi-cam-srv

Security: JSON Web Tokens (JWT)

## POST api login

<base_url>/api/login

Client login.

Returns: Access Token and Refresh Token

### Body raw (json)

json

```
{
    "username": "<user>",
    "password": "<password>"
}
```

## POST api refresh

<base_url>/api/refresh

Refresh of Access Token

Authentication: Refresh Token

Response: Access Token

### AUTHORIZATION Bearer Token

| | |
|---|---|
| **Token** | <refresh_token> |

## GET api protected

<base_url>/api/protected

Dummy API for testing purposes

**AUTHORIZATION** Bearer Token

| | |
|---|---|
| **Token** | <access_token> |

## GET api take_photo

<base_url>/api/take_photo

Take photo with active camera

**AUTHORIZATION** Bearer Token

| | |
|---|---|
| **Token** | <access_token> |

## GET api take_raw_photo

<base_url>/api/take_raw_photo

Take raw photo with active camera

**AUTHORIZATION** Bearer Token

| | |
|---|---|
| **Token** | <access_token> |

## GET api record video

<base_url>/api/record_video

Record video with active camera

Data: video duration (0 = infinite)

**AUTHORIZATION** Bearer Token

| | |
|---|---|
| **Token** | <token> |

**Body** raw (json)

```json
{
    "duration": 30
}
```

## GET api switch cameras

<base_url>/api/switch_cameras

Switch cameras for systems with 2 cameras.

### AUTHORIZATION Bearer Token

| | |
|---|---|
| **Token** | <access_token> |

## GET api info

<base_url>/api/info

Get status information from server:

```
{
    "message": {
        "active_camera": "Camera 0 (imx708)",
        "cameras": [
            {
                "active": true,
                "is_usb": false,
                "model": "imx708",
                "num": 0,
                "status": "closed"
            },
```

### AUTHORIZATION Bearer Token

| | |
|---|---|
| **Token** | <access_token> |

## GET api start motion detection

<base_url>/api/start_triggered_capture

Start motion detection

**AUTHORIZATION** Bearer Token

| | |
|---|---|
| **Token** | <access_token> |

## GET api stop motion detection

<base_url>/api/stop_triggered_capture

Stop motion detection

**AUTHORIZATION** Bearer Token

| | |
|---|---|
| **Token** | <access_token> |

## GET api probe

<base_url>/api/probe

Probe a set of object properties.

You need to specify an object through one of the singleton base classes (Camera(), CameraCfg(), MotionDetector(), PhotoSeriesCfg() or TriggerHandler()) and then specify valid properties with dot-notation.

Note: Not all properties might be JSON-serializable.

**AUTHORIZATION** Bearer Token

| | |
|---|---|
| **Token** | <access_token> |

**Body** raw (json)

json

```
{
    "properties": [
        {
            "property": "Camera().event"
        },
        {
            "property": "Camera().event2"
```

```
        },
        {
            "property": "Camera().last_access"

        },
        {
            "property": "Camera().last_access2"
        },
        {
            "property": "Camera().threadLock.locked()"
        },
        {
            "property": "Camera().thread2Lock.locked()"
        },
        {
            "property": "CameraCfg().serverConfig.error"
        },
        {
            "property": "CameraCfg().serverConfig.error2"
        },
        {
            "property": "CameraCfg().serverConfig.errorc2"
        },
        {
            "property": "CameraCfg().serverConfig.errorc22"
        }
    ]
}
```