

videos



POST

/videos/preference Video Preference

Control method for toggle start/stop between streaming the video-feed from the camera or the side scan sonar

Args: video_preference (VideoPreference): basemodel for video preference

Returns: dict: containing local state and wether if request was successfull

Parameters

Try it out

No parameters

Request body required

application/json



Example Value | Schema

```
{
  "action": "string",
  "display_mode": "string"
}
```

Responses

Code

Description

Links

Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div>"string"</div>		
422	Validation Error	No links
<div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <div>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }] }</div>		

GET

/videos/snap Trigger Image Snapshot

Store a snapshot of the moment the button was clicked, save either a side-scan-sonar image or a camera-photo

Returns: dict: containing success info

Parameters

No parameters

Responses

Code	Description	Links
------	-------------	-------

Try it out

Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div>"string"</div>		

GET	/videos/live	Live Video Feed
<div>Livestream pipeline for receving the video-feed from the sonar / camera</div> <div>Yields: streams the response body with the encoded image buffer</div>		
Parameters		Try it out
No parameters		
Responses		
Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div>"string"</div>		

GET	/videos/{img_name}	Get Img From Database
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Retrieves a image from the database, specified by the param filename

Args: img_name (str): the filename of the image in database

Returns: FileResponse: asynchronously streams a file as the response

Parameters

Try it out

Name	Description
img_name * required string (path)	<div>img_name</div>

Responses

Code	Description	Links
200	Successful Response	No links
	<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div>"string"</div>	
422	Validation Error	No links
	<div>Media type</div> <div>application/json</div>	

commands

POST

Accepts a command through ZMQ

Args: cmd (Command)

Returns: dict: success details

```
{  "detail": [    {      "loc": [        "string"      ],      "msg": "string",      "type": "string"    }  ]}
```

command

Parameters

Try it out

No parameters

Request body required

application/json

Example Value | Schema

```
{
  "name": "string",
  "value": 0,
  "toSystem": true
}
```

Responses

Code	Description	Links
200	<div>Successful Response</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div>"string"</div>	No links
422	<div>Validation Error</div> <div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }] }</pre></div>	No links

sensors



GET

/sensors/toggle_recording Toggle Csv Recorder

Starts recording the sensordata in csv""

Returns: dict: wether the recording is running or not

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

"string"

GET

/sensors/live Live Sensor Data Feed

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div><div>application/json</div><div>▼</div></div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div>"string"</div>		

waypoints



GET

/waypoints/single/{waypoint_id} Get Waypoint

Parameters

Try it out

Name	Description
waypoint_id * required integer (path)	<div>waypoint_id</div>

Responses

Code	Description	Links
------	-------------	-------

Code	Description	Links
200	<div>Successful Response</div> <div>Media type<div>application/json</div></div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "session_id": "string", "img_name": "string", "latitude": 0, "longitude": 0, "id": 0, "sensors": [{ "name": "string", "value": 0, "id": 0, "wp_id": 0 }]}</pre></div>	No links
422	<div>Validation Error</div> <div>Media type<div>application/json</div></div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }]}</pre></div>	No links

GET

/waypoints/ Get Multiple Waypoints

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value

Schema

```
[
  {
    "session_id": "string",
    "img_name": "string",
    "latitude": 0,
    "longitude": 0,
    "id": 0,
    "sensors": [
      {
        "name": "string",
        "value": 0,
        "id": 0,
        "wp_id": 0
      }
    ]
  }
]
```

POST

/waypoints/ Create Waypoint

Parameters

Try it out

No parameters

Request body required

application/json

Example Value

Schema

```
{
  "session_id": "string",
  "latitude": 0,
  "longitude": 0,
  "sensors": [
    {}
  ]
}
```

Responses

Code	Description	Links
------	-------------	-------

Code	Description	Links
200	<div>Successful Response</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "session_id": "string", "img_name": "string", "latitude": 0, "longitude": 0, "id": 0, "sensors": [{ "name": "string", "value": 0, "id": 0, "wp_id": 0 }]}</pre></div>	No links
422	<div>Validation Error</div> <div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }]}</pre></div>	No links

GET

/waypoints/{session_id} Get Waypoints By Session Id

Parameters

Try it out

Name	Description
session_id * required	
string	session_id
(path)	

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
[
  {
    "session_id": "string",
    "img_name": "string",
    "latitude": 0,
    "longitude": 0,
    "id": 0,
    "sensors": [
      {
        "name": "string",
        "value": 0,
        "id": 0,
        "wp_id": 0
      }
    ]
  }
]
```

422	Validation Error	No links
-----	------------------	----------

Media type

application/json

Example Value | Schema

```
{
  "detail": [
    {
      "loc": [
        "string"
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

DELETE /waypoints/{session_id} Delete Waypoints By Session Id

Parameters Try it out

Name	Description
------	-------------

Name

Description

session_id * required

string

(path)

session_id

Responses

Code	Description	Links
200	<div>Successful Response</div> <div><div>Media type</div><div><div>application/json</div><div>▼</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div></div><div><div>"string"</div></div></div>	No links
422	<div>Validation Error</div> <div><div>Media type</div><div><div>application/json</div><div>▼</div></div><div><div>Example Value</div><div>Schema</div></div><div><div>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }] }</div></div></div>	No links

waypoint_sessions



GET

/waypoint_sessions/ Get Multiple Waypoint Sessions

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
[
  {
    "session_id": "string",
    "id": 0,
    "created_at": "2021-05-03T11:31:34.549Z",
    "is_complete": true
  }
]
```

POST

/waypoint_sessions/ Create Waypoint Session

Parameters

Try it out

No parameters

Request body required

application/json

Example Value | Schema

```
{
  "session_id": "string"
}
```

Responses

Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "session_id": "string", "id": 0, "created_at": "2021-05-03T11:31:34.550Z", "is_complete": true}</pre></div>		
422	Validation Error	No links
<div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }]}</pre></div>		

GET

/waypoint_sessions/completed

Get Completed Waypoint Sessions

Parameters

Try it out

No parameters

Responses

Code	Description	Links
------	-------------	-------

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
[
  {
    "session_id": "string",
    "id": 0,
    "created_at": "2021-05-03T11:31:34.552Z",
    "is_complete": true
  }
]
```

GET /waypoint_sessions/uncompleted Get Uncompleted Waypoint Sessions

Parameters Try it out

No parameters

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
[
  {
    "session_id": "string",
    "id": 0,
    "created_at": "2021-05-03T11:31:34.553Z",
    "is_complete": true
  }
]
```

GET /waypoint_sessions/{session_id} Get Waypoint Session

Parameters Try it out

NameDescription

session_id * required

string
(path)

session_id

Responses

CodeDescriptionLinks

200Successful ResponseNo links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
{
  "session_id": "string",
  "id": 0,
  "created_at": "2021-05-03T11:31:34.554Z",
  "is_complete": true
}
```

422Validation ErrorNo links

Media type

application/json

Example Value | Schema

```
{
  "detail": [
    {
      "loc": [
        "string"
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

PUT

/waypoint_sessions/{session_id} Update Waypoint Session

Parameters

Try it out

No parameters

Request body required

application/json

Example Value | Schema

```
{
  "session_id": "string",
  "is_complete": true
}
```

Responses

Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "session_id": "string", "id": 0, "created_at": "2021-05-03T11:31:34.557Z", "is_complete": true }</pre></div>		
422	Validation Error	No links
<div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }] }</pre></div>		

DELETE

/waypoint_sessions/{session_id} Delete Waypoint Session By Session Id

Parameters

Try it out

Name

Description

session_id * required

string

(path)

session_id

Responses

Code	Description	Links
200	<div>Successful Response</div> <div><div>Media type</div><div><div>application/json</div><div>▼</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div></div><div><div>"string"</div></div></div>	No links
422	<div>Validation Error</div> <div><div>Media type</div><div><div>application/json</div><div>▼</div></div><div><div>Example Value</div><div>Schema</div></div><div><div>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }] }</div></div></div>	No links

settings



GET

/settings/ Get Settings

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
[
  {
    "name": "string",
    "enabled": true,
    "origin": "string",
    "role": "string",
    "port": "string",
    "id": 0
  }
]
```

POST

/settings/ Create Setting

Parameters

Try it out

No parameters

Request body required

application/json

Example Value | Schema

```
{
  "name": "string",
  "enabled": true,
  "origin": "string",
  "role": "string",
  "port": "string"
}
```

Responses

Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "name": "string", "enabled": true, "origin": "string", "role": "string", "port": "string", "id": 0}</pre></div>		
422	Validation Error	No links
<div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }]}</pre></div>		

GET

/settings/{id} Get Setting

Parameters

Try it out

Name	Description
<div>id * required</div> <div>integer</div> <div>(path)</div>	<div>id</div>

Responses

Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "name": "string", "enabled": true, "origin": "string", "role": "string", "port": "string", "id": 0}</pre></div>		
422	Validation Error	No links
<div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }]}</pre></div>		

DELETE

/settings/{id} Delete Setting

Parameters

Try it out

Name	Description
<div><div>id * required</div><div>integer</div><div>(path)</div></div>	<div>id</div>

Responses

Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "name": "string", "enabled": true, "origin": "string", "role": "string", "port": "string", "id": 0}</pre></div>		
422	Validation Error	No links
<div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string"], "msg": "string", "type": "string" }]}</pre></div>		

PUT

/settings/{sensor_id} Update Sensor Enabled

Parameters

Try it out

Name	Description
sensor_id * required integer (path)	<div>sensor_id</div>

Request body required

application/json

Example Value | Schema

```
{  "name": "string",
```

```
"enabled": true,
"origin": "string",
"role": "string",
"port": "string",
"id": 0
}
```

Responses

Code	Description	Links
------	-------------	-------

200

Successful Response

No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
{
  "name": "string",
  "enabled": true,
  "origin": "string",
  "role": "string",
  "port": "string",
  "id": 0
}
```

422

Validation Error

No links

Media type

application/json

Example Value | Schema

```
{
  "detail": [
    {
      "loc": [
        "string"
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

Schemas



```
AbstractWaypoint ▾ {  
  session_id*      string  
                   title: Session Id  
  latitude*        number  
                   title: Latitude  
  longitude*       number  
                   title: Longitude  
  sensors*         Sensors > [...]  
  
}
```

```
Command ▾ {  
  name*            string  
                   title: Name  
  value*           number  
                   title: Value  
  toSystem*        boolean  
                   title: Tosystem  
  
}
```

```
HTTPValidationError ▾ {  
  detail           Detail > [...]  
  
}
```

```
Sensor ▾ {  
  name*            string  
                   title: Name  
  value*           number  
                   title: Value  
  id*              integer  
                   title: Id  
  wp_id*           integer  
                   title: Wp Id  
  
}
```

```
Setting ▾ {  
  name*            string  
                   title: Name  
  enabled*         boolean  
                   title: Enabled  
  origin*          string  
                   title: Origin  
  role*            string  
                   title: Role  
  port*            string  
                   title: Port  
  id*              integer  
                   title: Id  
  
}
```


SettingCreate ▾ {

name*	string title: Name
enabled*	boolean title: Enabled
origin*	string title: Origin
role*	string title: Role
port*	string title: Port

}

SettingUpdate ▾ {

name	string title: Name
enabled	boolean title: Enabled
origin	string title: Origin
role	string title: Role
port	string title: Port
id	integer title: Id

}

ValidationError ▾ {

loc*	Location > [...] string title: Message string title: Error Type
msg*	
type*	

}

VideoPreference ▾ {

action*	string title: Action
display_mode*	string title: Display Mode

}

```
Waypoint ∨ {  
  session_id*      string  
                    title: Session Id  
  img_name*        string  
                    title: Img Name  
  latitude*         number  
                    title: Latitude  
  longitude*        number  
                    title: Longitude  
  id*              integer  
                    title: Id  
  sensors*          Sensors > [...]  
  
}
```

```
WaypointSession ∨ {  
  session_id*      string  
                    title: Session Id  
  id*              integer  
                    title: Id  
  created_at*       string($date-time)  
                    title: Created At  
  is_complete*      boolean  
                    title: Is Complete  
  
}
```

```
WaypointSessionCreate ∨ {  
  session_id*      string  
                    title: Session Id  
  
}
```

```
WaypointSessionUpdate ∨ {  
  session_id*      string  
                    title: Session Id  
  is_complete      boolean  
                    title: Is Complete  
  
}
```