# Introduction

## Overview

*Glasses 3 overview (copy over)*

SDK: There is no SDK available for Glasses 3. Instead, the Controller Software is available as open source and can be used to communicate with the Glasses.

## HTTP API

The Glasses 3 API can be accessed via a web browser on your computer, phone, or tablet. Connection to the specific Recording Unit over WLAN is required.

## Uses of the API

Tobii Pro Glasses 3 are controlled via the Controller Software. Using this package, it is possible to manage participants and recordings as well as to view live, ongoing recordings. The Glasses 3 API can be used for additional level of control and reporting from the connected Recording Unit.

|  |  |
| --- | --- |
| Web rtc | * Stream live video * See live gaze data |
|  |  |
|  |  |
|  |  |
|  |  |

## Concepts

### Object

The Glasses 3 API uses Json Objects to control commands.

Two objects are employed in the Glasses 3 API. These are the **recorder** (the Recording Unit) and a **recording** (). The recorder is the capability to make a recording.

### Properties

Each object can be modified with **properties**. A property can be with read only, or read and write.

Read only properties

* Recording duration
* Gaze

Read and write properties

* Recording name

### Operations

The recorder object has the operations to start and stop a recording. Some operations can take parameters and return values or entire Json object.

### Identifier

Request are asynchronous, meaning that a response will come some time after the initial request. For this reason, identifiers are required to identify which request is being referred to in the response.

### Example

Object.property[parameter]

### Properties

## Flow chart

# Authentication

## Authentication

No authentication is required to access the Glasses 3 API. The only requirement is to know the IP address of the Recording Unit.

## Network

The Glasses 3 API can be accessed via a web browser on your computer, phone, or tablet. Connection to the specific Recording Unit over WLAN is required.

## Access

HTTPS is not currently supported. It is not possible to make request calls from a secure to a non-secure connection.

## Security

Additional security for the Glasses 3 API must be done on the network level. This can be done in two ways:

* Secure the wi-fi connection to the Recording Unit with a password (TobiiGlasses)
* Transfer the Recording Unit connection to a secure wi-fi connection.

# Responses

## Response codes

## Errors

The Glasses 3 API uses conventional HTTP/the following response codes to indicate the success or failure of an API request.

|  |  |
| --- | --- |
| **Attributes** |  |
| null |  |
| false |  |
|  |  |

# Rate limit

# The API browser

## Introduction

The Glasses 3 API can be accessed via a web browser on your computer, phone, or tablet. Connection to the specific Recording Unit over WLAN is required.

## Connect to the Recording Unit

The connection to the API browser is made using the IP address of the Recording Unit. This can be found on the label on the reverse side of the Recording Unit as shown on the image below.

## Home screen

The image below describes the different elements of the API browser Home screen.

# Webrtc

# name

## Syntax

/webrtc.name

## Description

The name of the object

## Parameters

Name

## Return value

String.

## Examples

## Errors

## Notes

## See also

# !create

## Syntax

## POST /rest//webrtc!create

## Description

Create a new web-rtc instance

## Parameters

Session %%

Input

* STRING

## Return value

→ POST /rest//webrtc!create  
  []  
← "ff93c4eb-35ba-4db4-904d-7521a89dbadb"

## Examples

## Errors

null

## Notes

## See also

# Webrtc play

## Syntax

/webrtc!play

## Description

Create a new web-rtc instance for supplied recording uuid.

## Parameters

## Return value

String. Return the new instances web-rtc UUID string on success, null on failure

## Examples

→ POST /rest//webrtc!play  
  [""]

→ %%

## Errors

→ POST /rest//webrtc!play  
  [""]  
← null

## Notes

## See also

# Webrtc delete

## Syntax

/webrtc!delete

## Description

Delete a web\_rtc\_bin instance.

## Parameters

String

## Return value

Boolean. Return TRUE on success, FALSE otherwise

## Examples

→ POST /rest//webrtc!delete  
  [""]  
← true

## Errors

→ POST /rest//webrtc!delete  
  [""]  
← false

## Notes

## See also

# Webrtc child-added

## Syntax

/webrtc:child-added

## Description

Signal is emitted when a new object has been added.

## Parameters

String

## Return value

## Examples

## Errors

## Notes

## See also

# Method name

## Syntax

## Description

## Parameters

## Return value

## Examples

## Errors

## Notes

## See also

# Method name

## Syntax

## Description

## Parameters

## Return value

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