

# PARTILINK

HDMI 2.0 to 4K@30Hz USB-C Capture

**GRA-H01C01**



User Manual (210520 v.1)

# Contents

- 1. Overview -----03
- 2. Features-----03
- 3. Specification -----04
- 4. System Requirements-----05
- 5. Installation -----05
- 6. Capture Operation for Windows OS with OBS -----06
  - 6.1 Video Setting -----07
  - 6.2 Audio Setting-----08
- 7. Capture Operation for Mac OS with OBS -----11
  - 7.1 Video Setting -----11
  - 7.2 Audio Setting-----13
- 8. Package Contents-----14

## 1. Overview

Partilink GRA-HU2HU3, HDMI 2.0 to 4K@30Hz USB-C Capture Pro, is designed to capture 4K@60Hz HDMI video then uplink 4K@30Hz data to the connected computer via USB-C. It allows the user to capture video from HDMI sources such as PS4, XBOX, Switch, camera ... etc. for filing, re-editing and streaming on connected PC, laptop and tablet.

With this tool, streaming media is made easy to capture every sound and movement beautifully. This is a professional level capture tool for gamer or YouTuber to realize the captured video professionally in front of the audiences.

## 2. Features

- Capturing and streaming
- Supports HDMI 2.0 standard up to 3840 x 2160@60Hz input
- USB 3.1 Gen1 with Type-C connector
- Supports video capture at 3840x 2160@30Hz output
- Supports RGB 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
- Supports UVC 1.0
- Compatible with third-party application such as QuickTime, OBS, XSplit, vMix, Gamecaster and Broadcaster
- Works with gaming PC, Xbox, One/S, Playstation 4/ Pro....etc.
- Supports HDR input
- Plug & Play (no driver needed for Win 8 and above version)

### 3. Specification

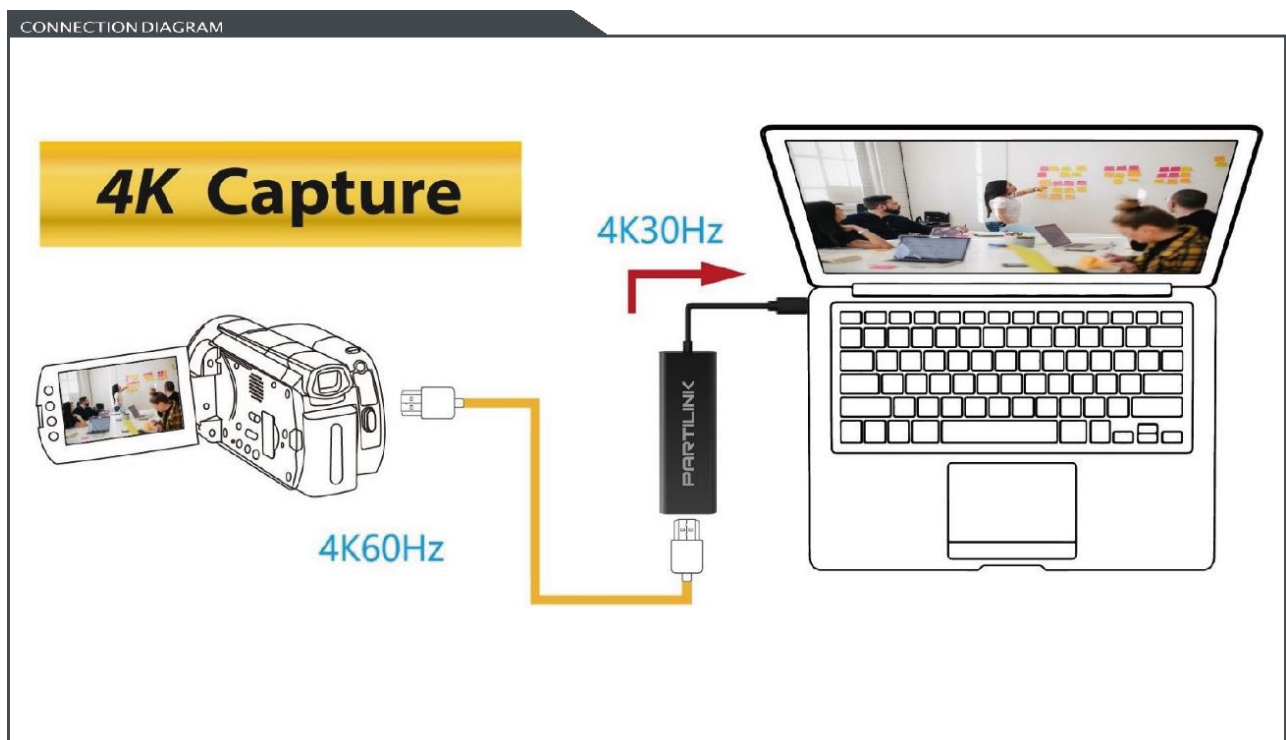
| MODEL NO.                                                | GRA-H01C01                                                                                                                                                                                                                                                                                                                                             |            |                                                |            |                |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------|------------|----------------|
| INPUT INTERFACE                                          | 1 x HDMI 2.0 type A                                                                                                                                                                                                                                                                                                                                    |            |                                                |            |                |
| INPUT RESOLUTION                                         | 3840x2160p 60/50/30/25/24Hz 16:9<br>1920x1080p 120/60/50/30/25/24Hz 16:9<br>1920x1080i 60/50Hz 16:92560x1440p 60Hz 16:9<br>1280x720p 60/50Hz 16:9720x576p 50Hz 16:9<br>720x576p 50Hz 4:3720x480p 60Hz 16:9<br>720x480p 60Hz 4:3640x480p 60Hz 4:3<br>720(1440)x576i 50Hz 16:9720(1440)x576i 50Hz 4:3<br>720(1440)x480i 60Hz 16:9720(1440)x480i 60Hz 4:3 |            |                                                |            |                |
| OUTPUT INTERFACE                                         | 1 x USB Type C (SuperSpeed) UVC                                                                                                                                                                                                                                                                                                                        |            |                                                |            |                |
| OUTPUT RESOLUTION                                        | USB3.0 SuperSpeed                                                                                                                                                                                                                                                                                                                                      | NV12       |                                                | YUY2       |                |
|                                                          |                                                                                                                                                                                                                                                                                                                                                        | 3840x2160p | 30 Hz                                          | 2560x1440p | 50 Hz          |
|                                                          |                                                                                                                                                                                                                                                                                                                                                        | 2560x1440p | 60 Hz                                          | 1920x1080p | 60/50/30/25 Hz |
|                                                          |                                                                                                                                                                                                                                                                                                                                                        | 1920x1080p | 120/60/50/30/25 Hz                             | 1280x720p  | 60 Hz          |
|                                                          |                                                                                                                                                                                                                                                                                                                                                        | 1280x720p  | 60 Hz                                          | 720x480p   | 60 Hz          |
|                                                          |                                                                                                                                                                                                                                                                                                                                                        | 720x480p   | 60 Hz                                          | 720x576p   | 50 Hz          |
| USB2.0 Hi-Speed                                          | 1280x720p                                                                                                                                                                                                                                                                                                                                              | 30 Hz      | 720x576p                                       | 50 Hz      |                |
|                                                          | 720x576p                                                                                                                                                                                                                                                                                                                                               | 50 Hz      | 720x480p                                       | 60 Hz      |                |
|                                                          | 720x480p                                                                                                                                                                                                                                                                                                                                               | 60 Hz      | 640x480p                                       | 60 Hz      |                |
|                                                          | 640x480p                                                                                                                                                                                                                                                                                                                                               | 60 Hz      |                                                |            |                |
| COLOR SAMPLING                                           | RGB, YUV (YCbCr444, YCbCr422, YCbCr420)                                                                                                                                                                                                                                                                                                                |            |                                                |            |                |
| VIDEO FORMAT                                             | NV12 , YUY2                                                                                                                                                                                                                                                                                                                                            |            |                                                |            |                |
| UAC AUDIO OUTPUT                                         | Stereo / 16-bit PCM encoded audio at 48KHz sampling rates                                                                                                                                                                                                                                                                                              |            |                                                |            |                |
| SYSTEM REQUIREMENTS                                      | CPU                                                                                                                                                                                                                                                                                                                                                    |            | i5 Dual Core 2.8GHz or higher                  |            |                |
|                                                          | RAM                                                                                                                                                                                                                                                                                                                                                    |            | 4GB or higher                                  |            |                |
|                                                          | OS                                                                                                                                                                                                                                                                                                                                                     |            | Windows (8 and above), MacOS (10.13 and above) |            |                |
| ENVIRONMENT                                              | Operating Temperature                                                                                                                                                                                                                                                                                                                                  |            | 0℃ ~ 45℃                                       |            |                |
|                                                          | Operating Humidity                                                                                                                                                                                                                                                                                                                                     |            | 20% ~ 90%                                      |            |                |
| DIMENSION                                                | 42 x 352 x 13.5 mm (W x L x H including cable length)                                                                                                                                                                                                                                                                                                  |            |                                                |            |                |
| WEIGHT                                                   | 60 G                                                                                                                                                                                                                                                                                                                                                   |            |                                                |            |                |
| *DOES NOT CAPTURE HDCP CONTENT (ex: DVD, BlueRay player) |                                                                                                                                                                                                                                                                                                                                                        |            |                                                |            |                |

## 4. System Requirements

- CPU: i5 Dual Core 2.8GHz or higher
- RAM: 4GB or higher
- OS: Microsoft Windows 8.1/10  
MacOS (10.13 and above)

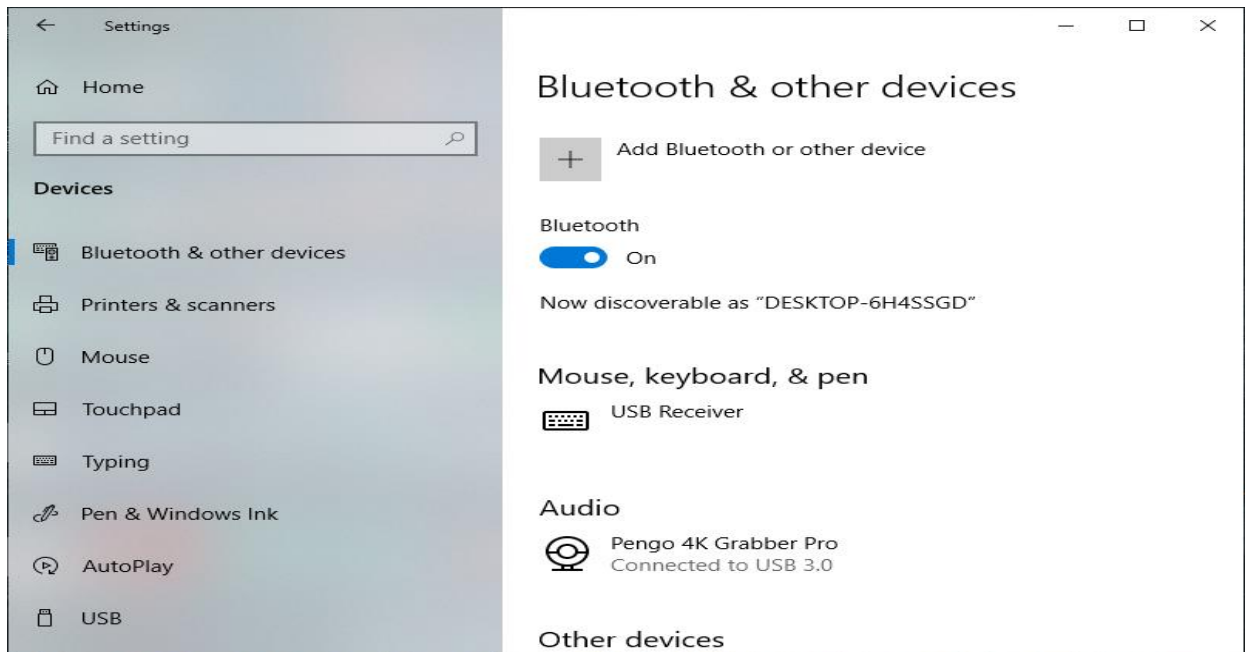
## 5. Installation

- Connect the Partilink GRA-H01C01 HDMI 2.0 to 4K@30Hz USB-C Capture into the computer USB-C port.
- Plug-in the HDMI device (such as PS4 Pro, Xbox One X, Camcorder...etc.) with HDMI cable into the HDMI port of the capture unit

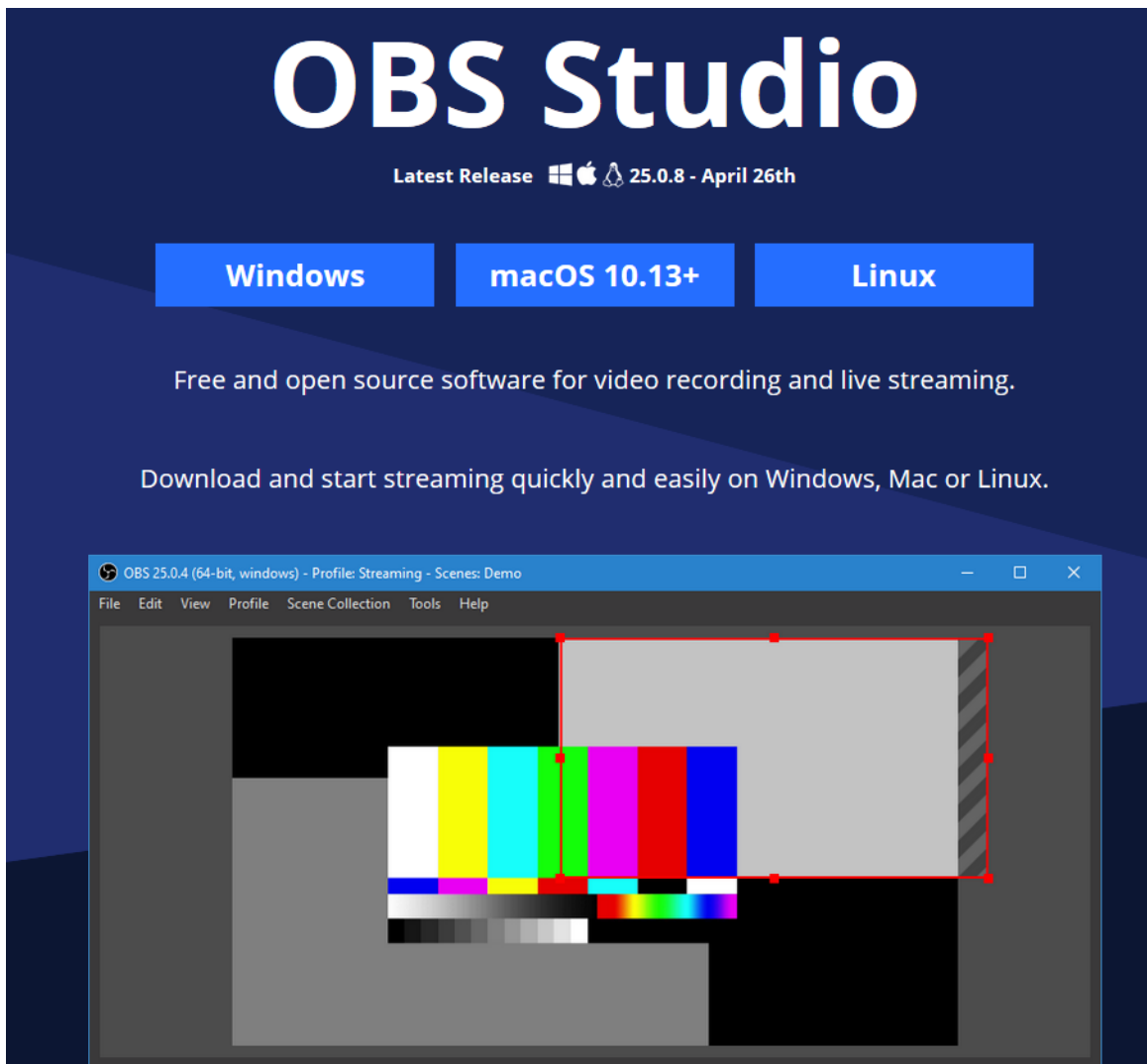


## 6. Capture Operation for Windows OS with OBS

- (a) After plugging in your device, go to [Windows Settings] and then go under [BT and Other Devices] and make sure Partilink GRA-H01C01 “**4K Grabber**” is detected



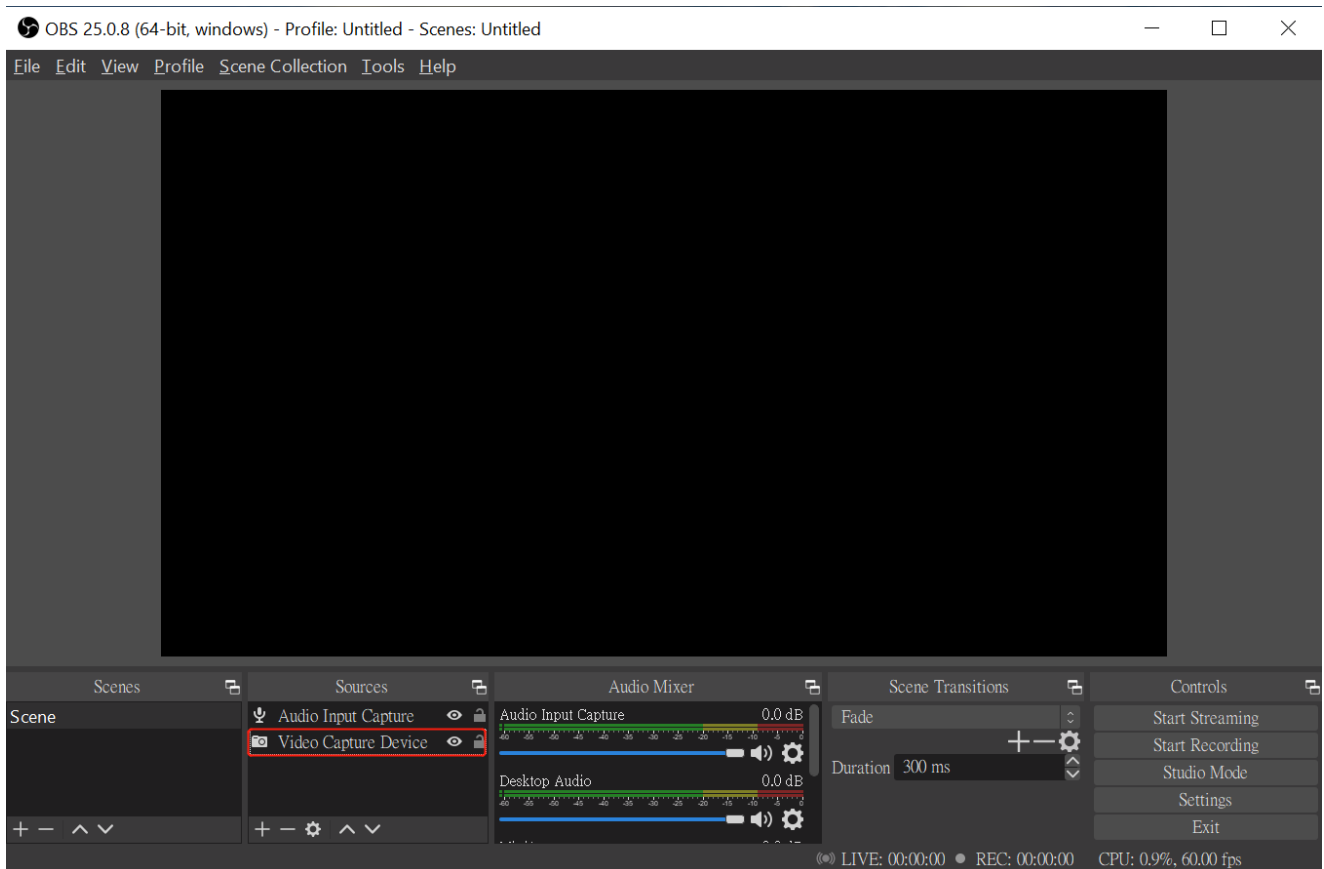
- (b) Download OBS Studio <https://obsproject.com/> (OBS-Studio-25.0.8-Full-Installer-x64. exe)



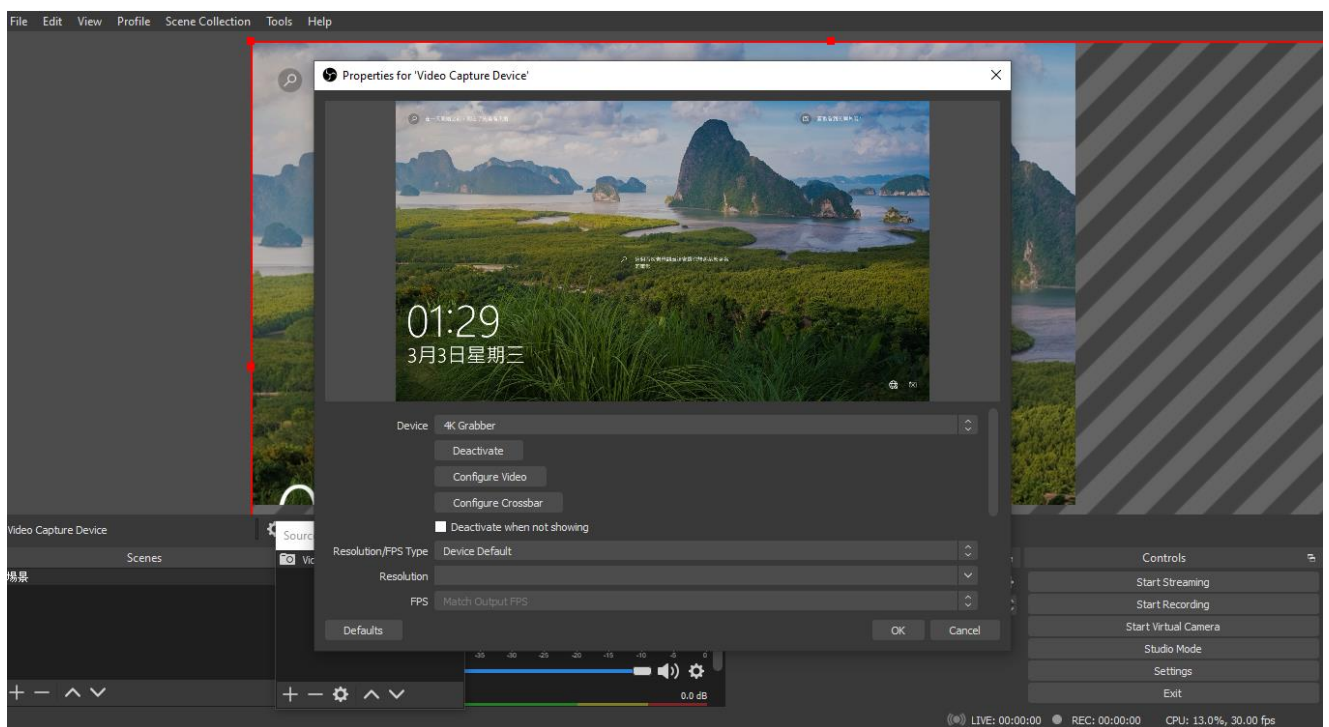
(c) Open OBS Studio. (version 25.0.8)

## 6.1 Video Setting

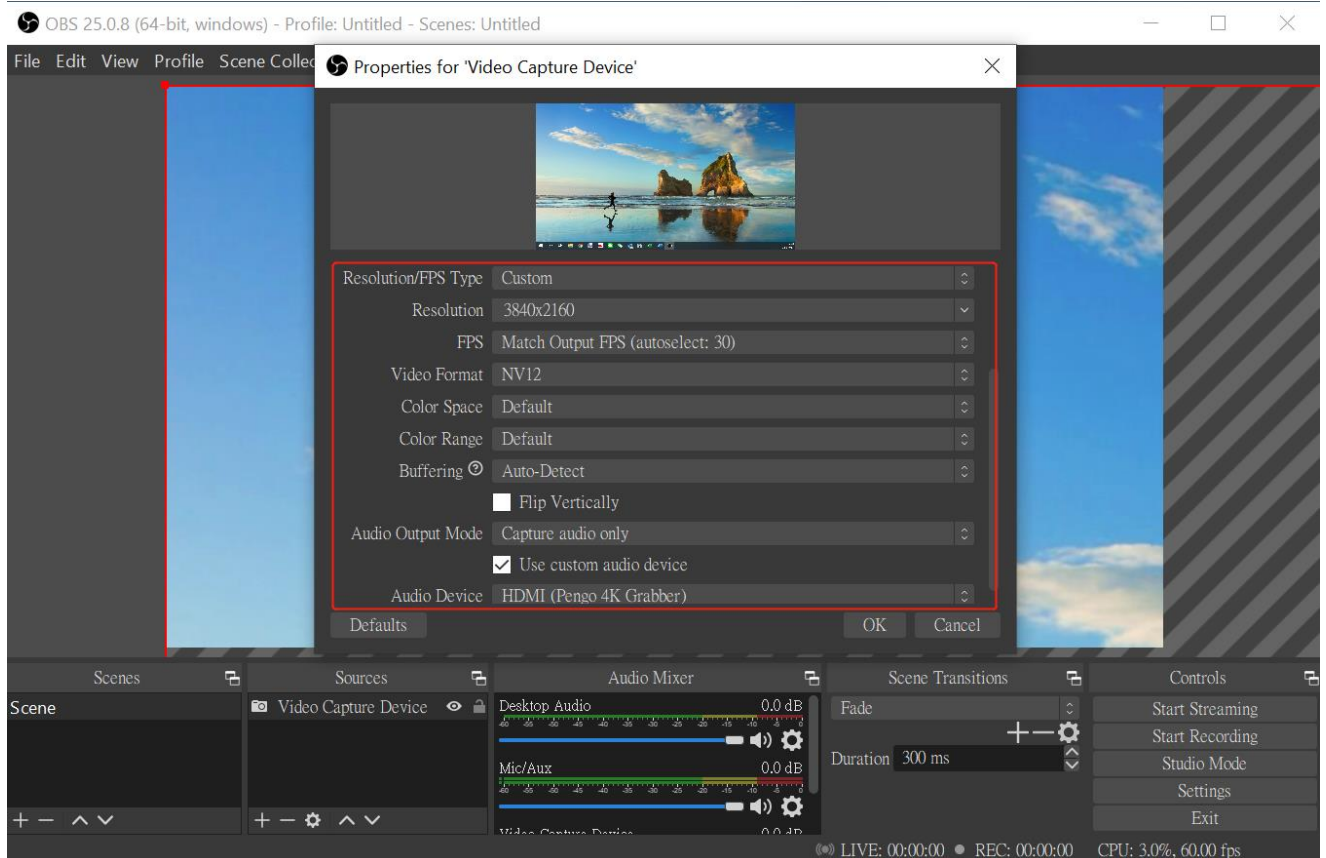
a) Add and select “Video Capture Device”



b) Select “4K Grabber” as your device



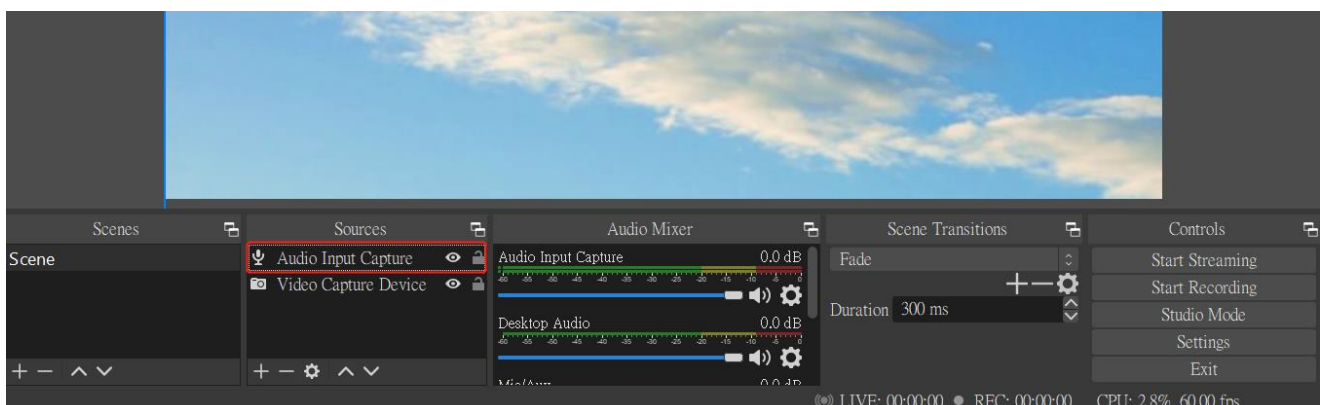
### c) Parameter setting references as indication below



- Resolution/FPS Type: Custom
- Resolution: 3840x2160
- FPS: Match Output FPS (auto select: 30)
- Video Format: NV12
- Audio Device: HDMI (Partilink 4K Capture)

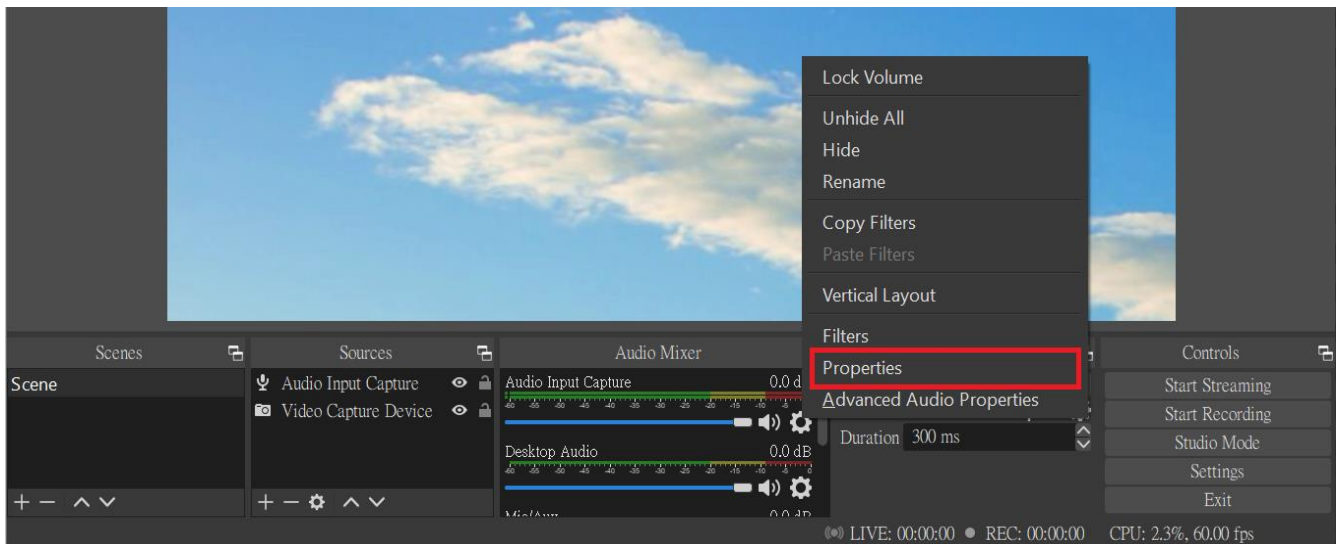
## 6.2 Audio Setting

a) Click on the audio setting icon as indication below

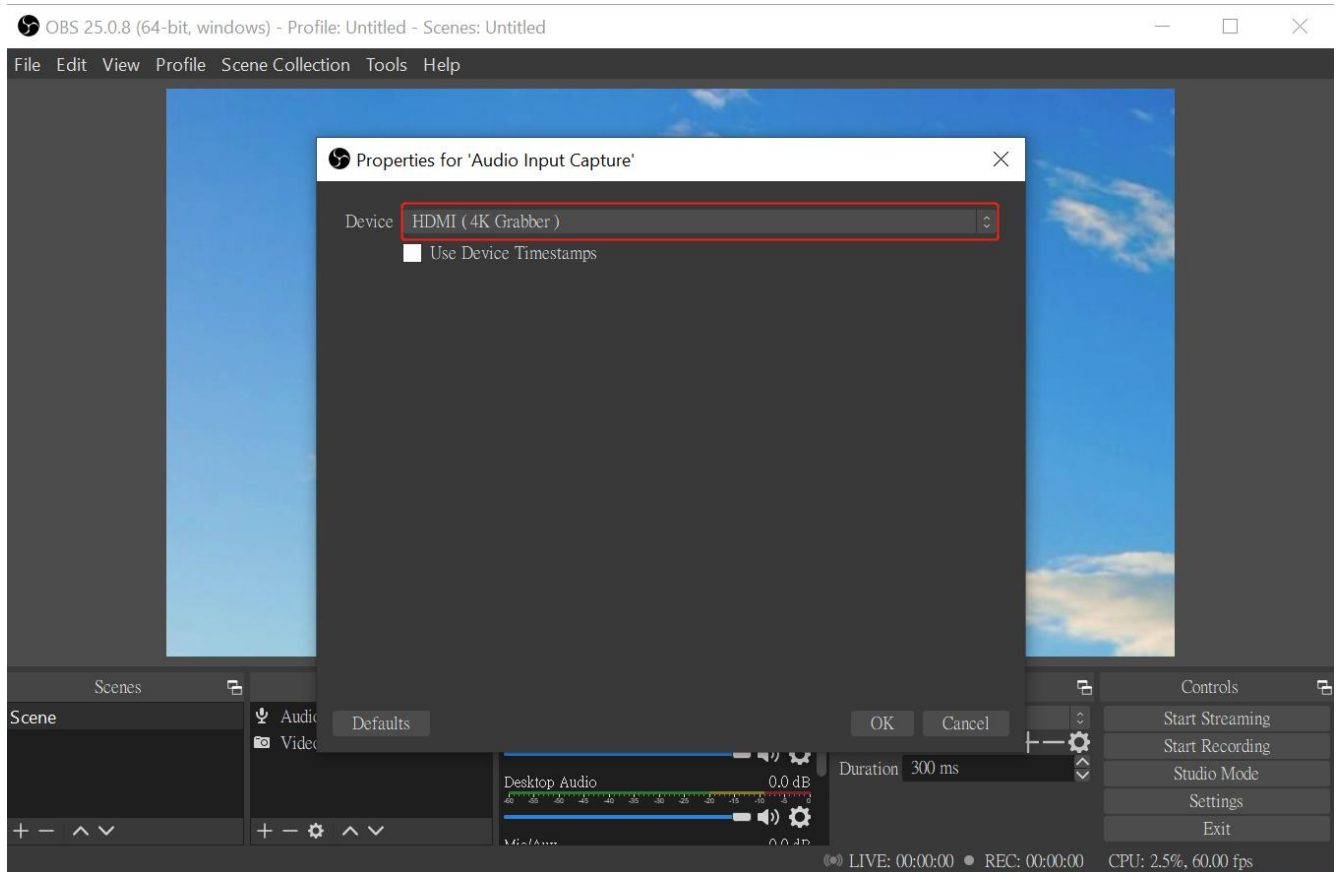




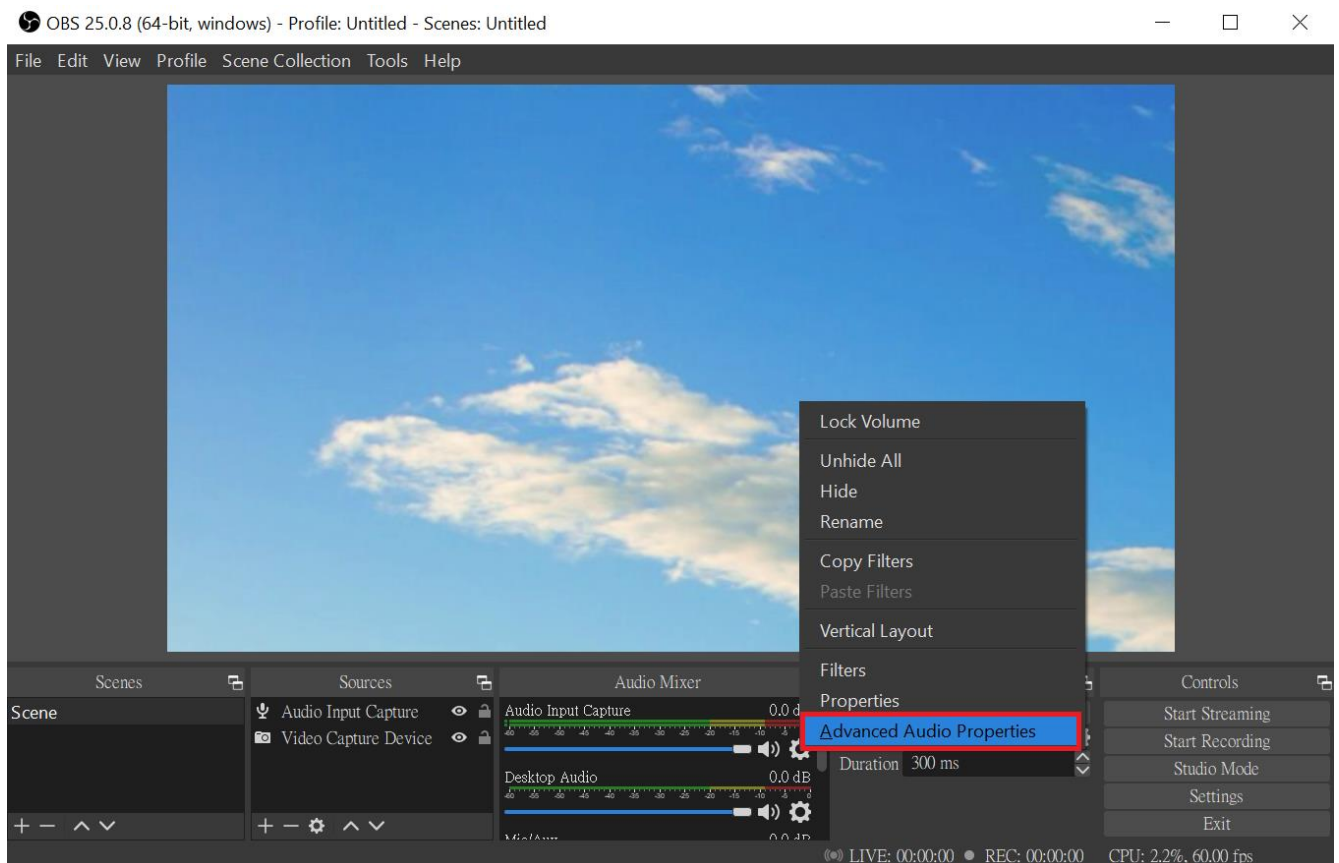
b) Select “Properties”



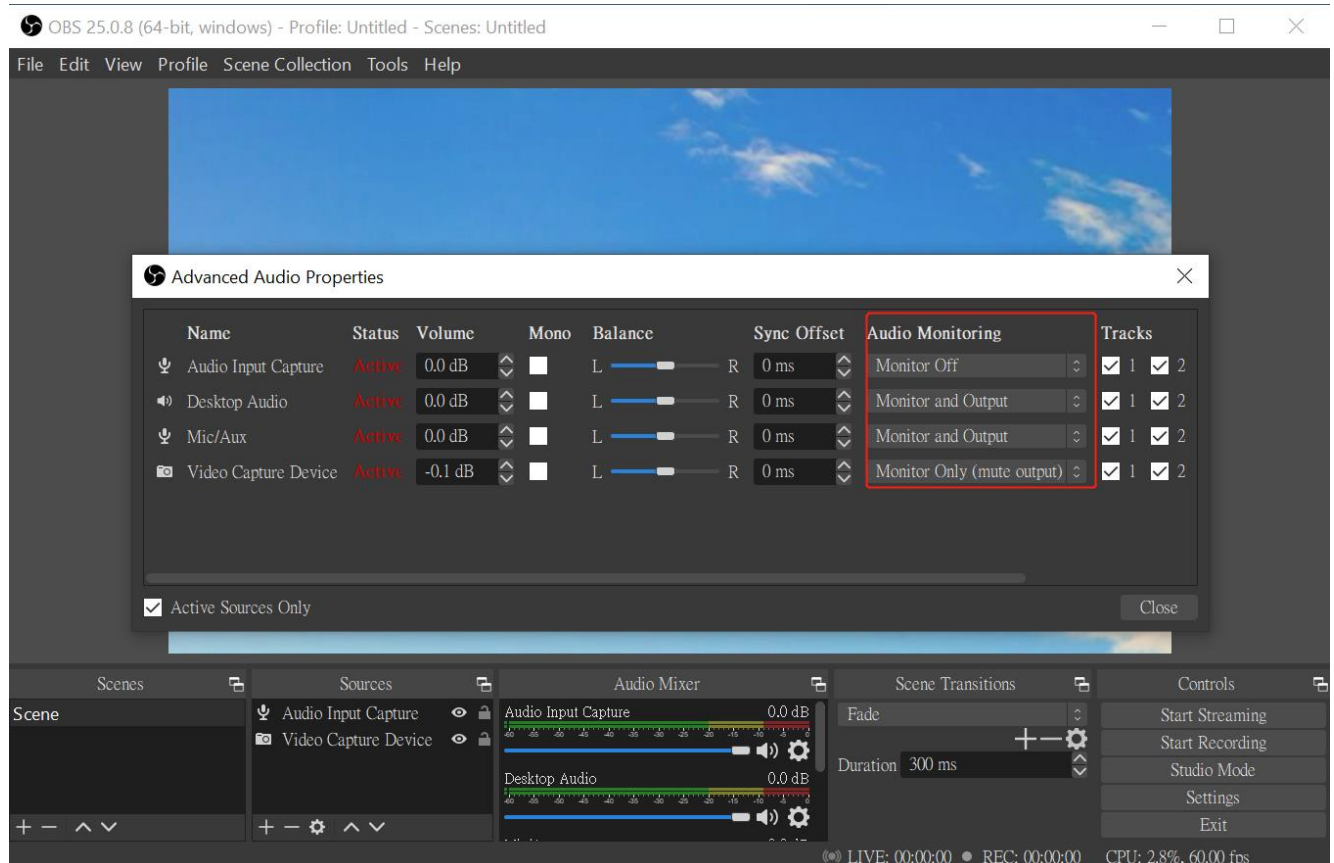
c) Under “Properties”: Select “HDMI (4K Grabber)” as your device



d) Under the “Audio Setting” icon: Select “Advanced Audio properties”



e) Under the “Advanced Audio Properties”: Adjust your audio source to the suggested preferences. Please change the setting of  Microphone and speaker into “**Monitor and Output**”.

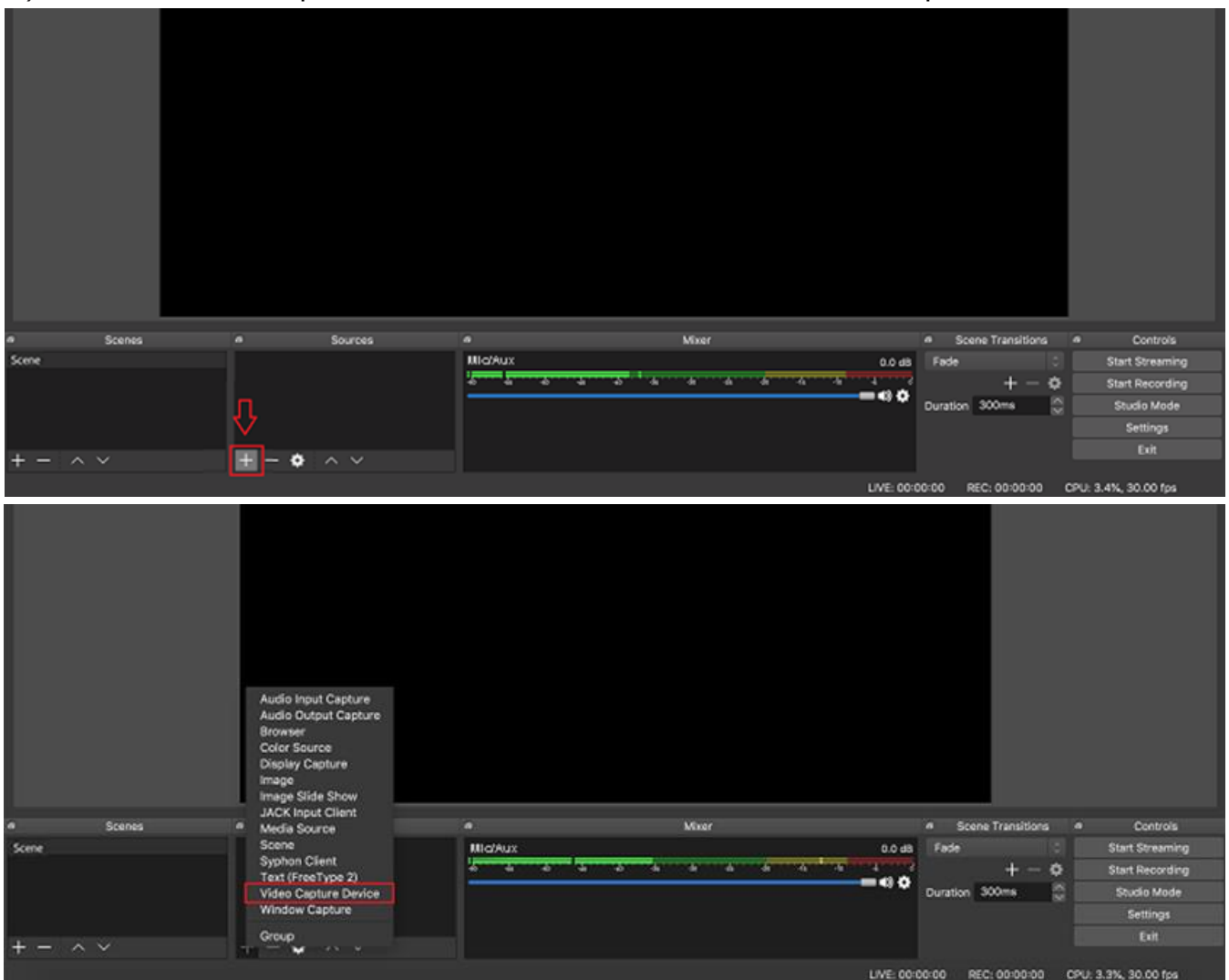


f) OBS Setting completed

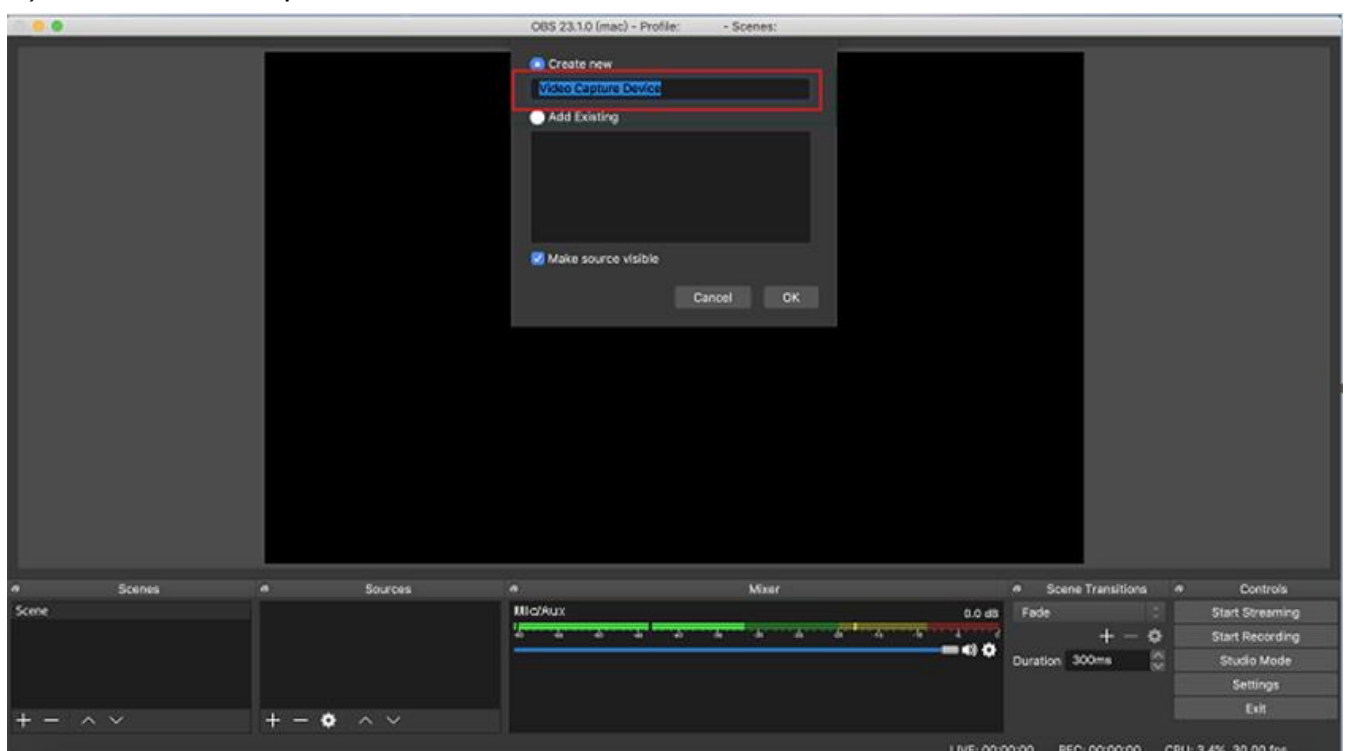
## 7 Capture Operation for Mac OS with OBS

### 7.1 Video Setting

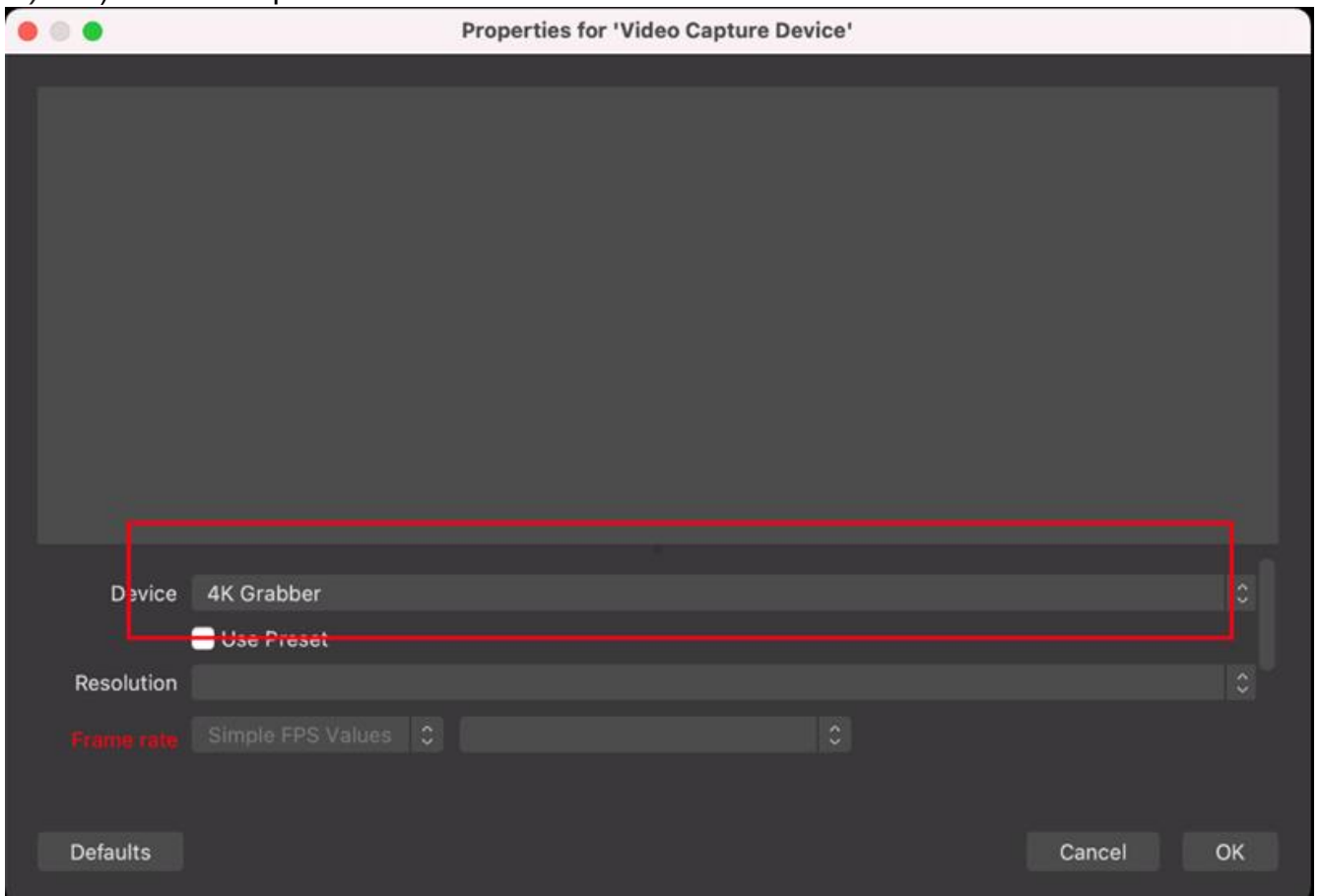
- a) Under “Sources”, please click on the “+” icon and select “Video Capture Device”



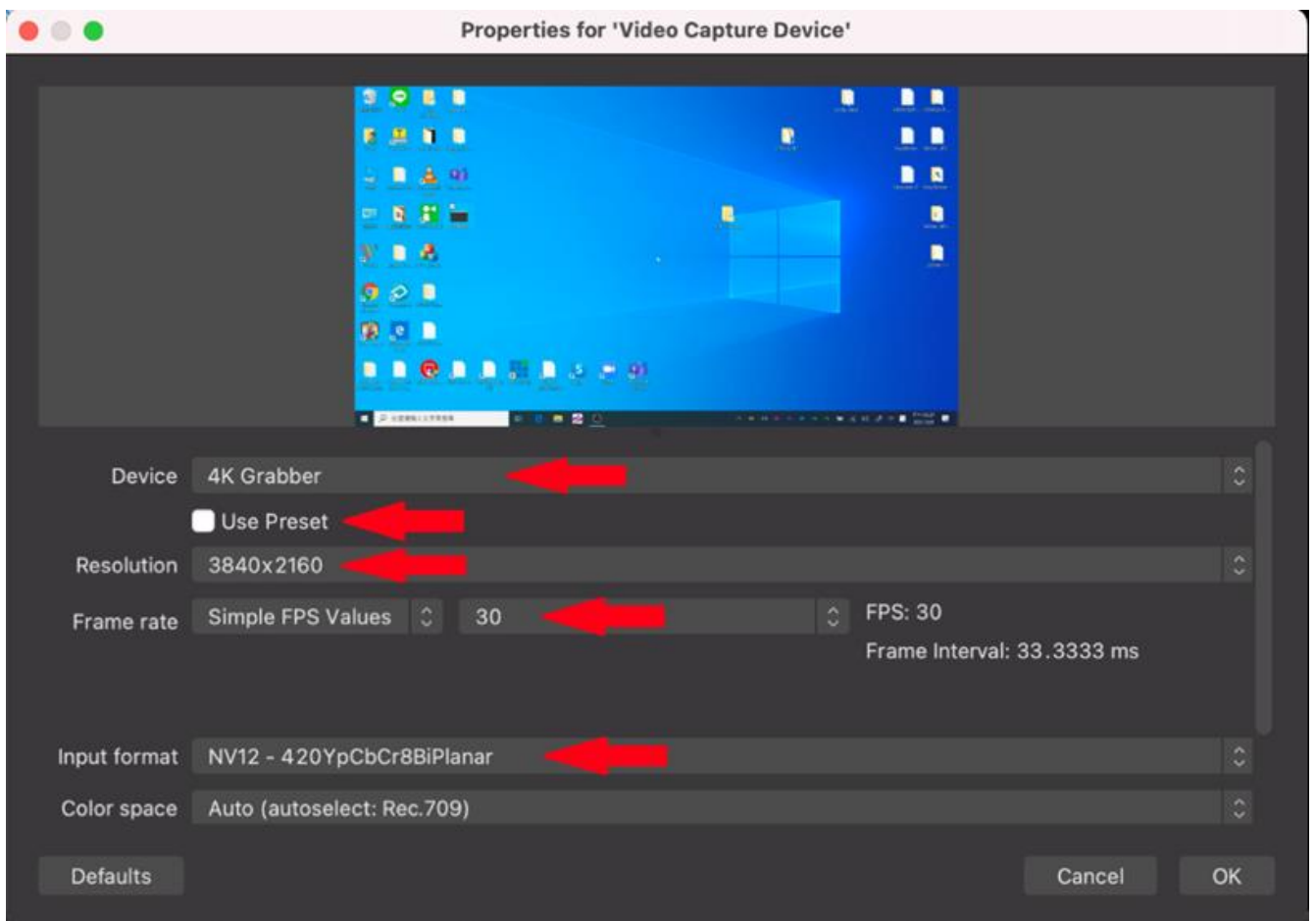
- b) Rename the input source and click “OK”



c) C) Under “Properties”: Select “4K Grabber” in “Device”



d) Under “Properties”: Select “4K Grabber Pro” in “Device”

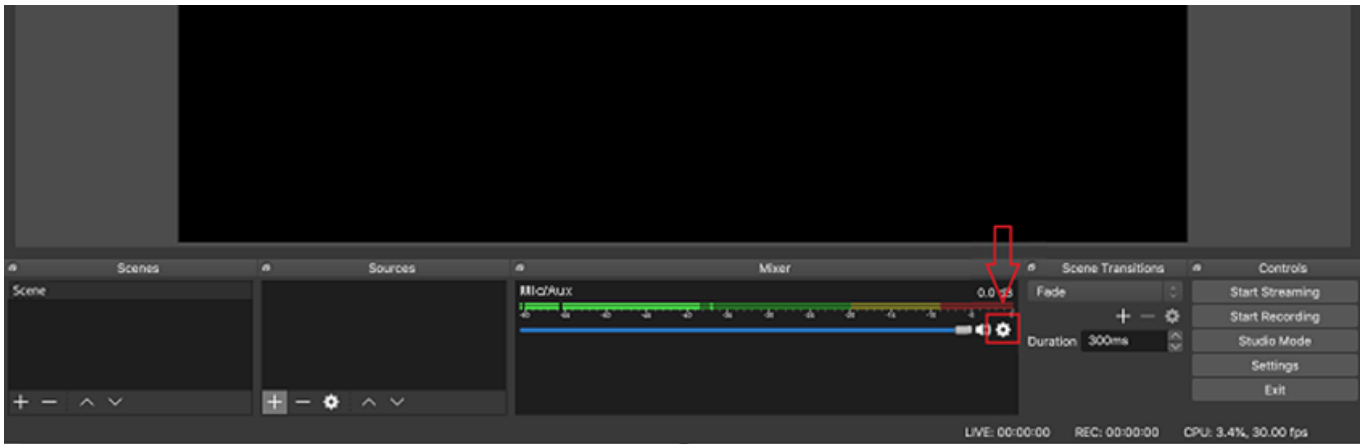


**Note:**

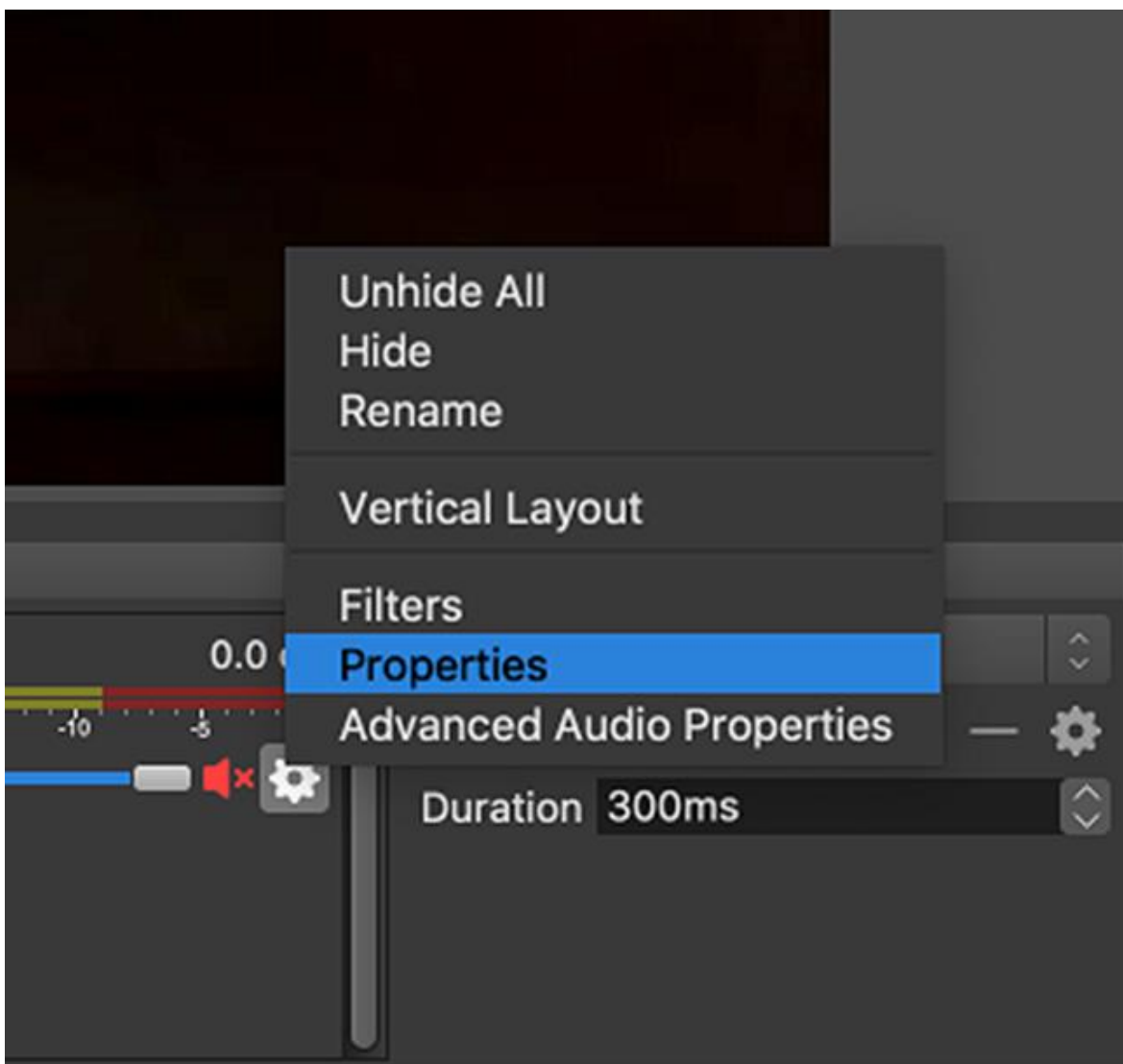
- Do not click “Use Preset” and customize the configuration.
- Resolution: select the best resolution possible 3840 x 2160
- FPS: simple FPS Values 30
- Input Format: NV12.

## 7.2 Audio Setting

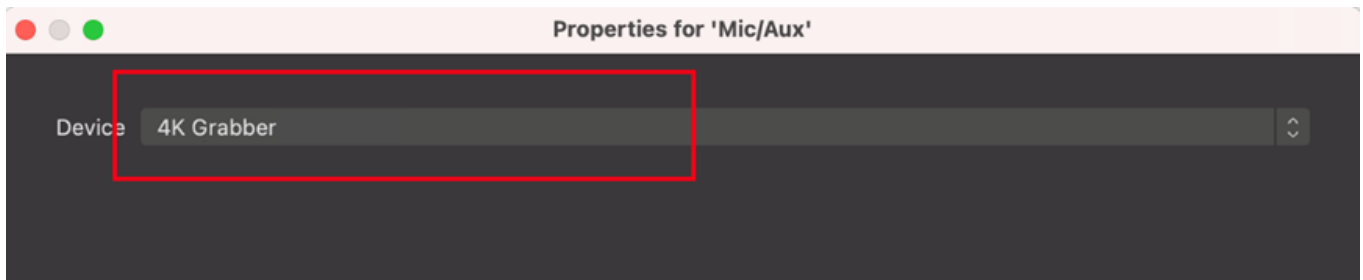
a) Click on the audio setting icon as indication below



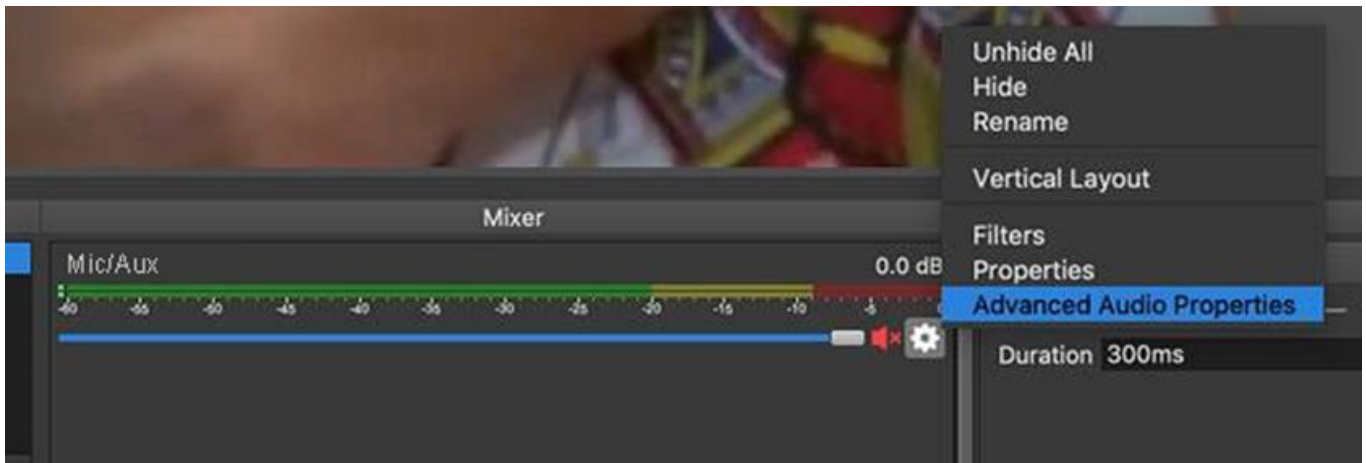
b) Select “Properties”



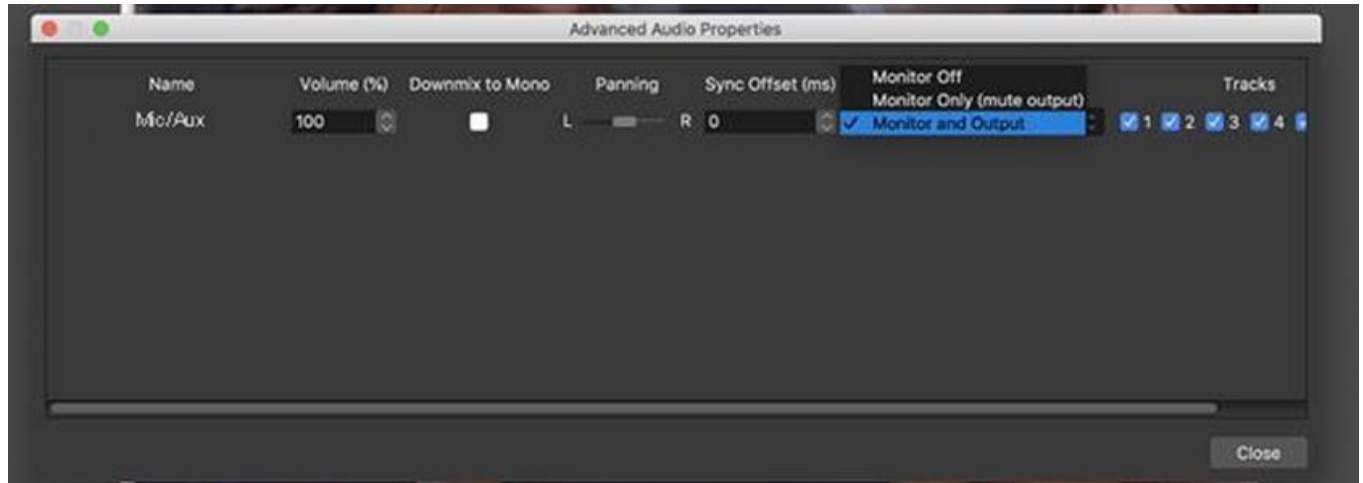
c) Select “**4K Grabber**” in device



d) Click on the Audio Setting icon and select “Advanced Audio Properties”



e) Under “Advanced Audio Properties”: select “Monitor and Output”



f) Setting completed

#### Note:

- USB 3.0 is recommended to be connected
- The different versions of OS will be slightly different in interface
- Make sure your source doesn't have HDCP, the capture unit doesn't support HDCP

## 8 Package Content

- Partilink GRA-HU2HU3 Capture Pro x 1
- USB-C to USB-A Cable x 1
- User Manual x 1

# PARTILINK



[sales@partilink.com](mailto:sales@partilink.com)

GRA-H01C01 User Manual (210520 V.1)