

PARTILINK

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

GRA-HU2HU3



User Manual (210511 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

- HDMI 2.0 input supports 4K@60Hz and HDR
- HDMI 2.0 loop-out port supports 4K@60Hz and HDR
- Video captures resolution up to 3840x2160@30Hz or 1920x1080@120Hz
- Supports deep color (36-bit color)
- Supports USB 3.1 Type-C Gen1
- Supports UVC 1.0
- Supports audio LINE-IN
- Supports AUDIO headset (TRRS only)
- Supports USB port power supply, no external power supply required
- Compatible with third-party applications, such as QuickTime, OBS, XSplit, vMix, Zoom, Skype, Gamecaster, Broadcaster...etc.

3. Specification

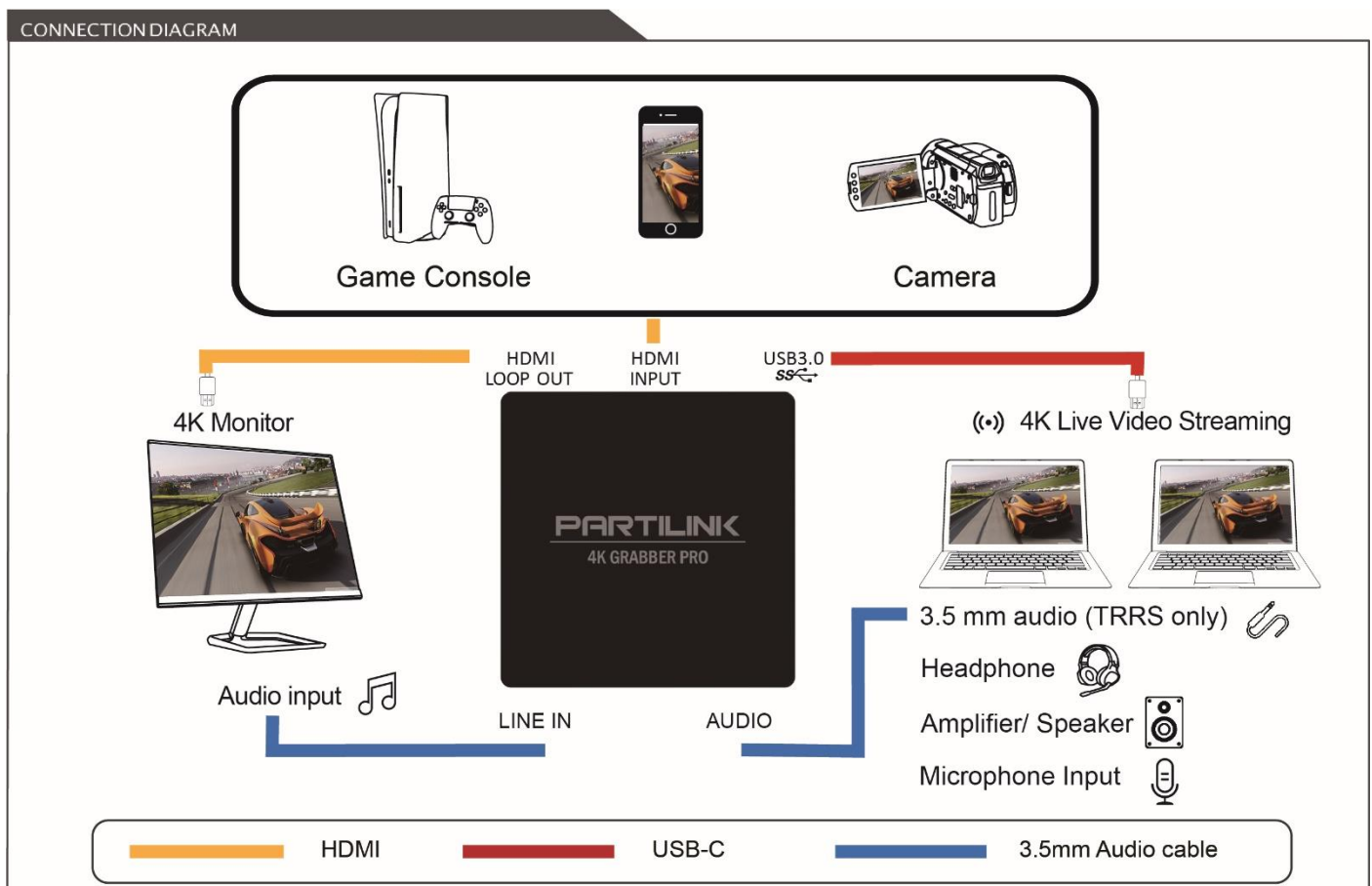
MODEL NO.	GRA-HU2HU3				
INPUT INTERFACE	HDMI 2.0 Type-A x 1				
OUTPUT INTERFACE	USB Type-C (SuperSpeed) UVC x 1, HDMI 2.0 Type-A x 1				
INPUT/ OUTPUT (LOOPOUT) RESOLUTION	3840x2160p 60/50/30/25/24Hz 2560x1440p 144/60Hz 1920x1080p 240/ 144/120/60/50/30/25/24Hz 1920x1080i 60/50Hz 1280x720p 60/50Hz 720x576p 50Hz 720x480p 60Hz 720(1440)x576i 50Hz 720(1440)x480i 60Hz 640x480p 60Hz				
CAPTURE RESOLUTION		NV12	YUY2		
		USB3.0 SuperSpeed	3840x2160p 30 Hz 2560x1440p 60 Hz 1920x1080p 120/60/50/30/25 Hz 1280x720p 60 Hz 720x480p 60 Hz 720x576p 50 Hz 640x480p 60 Hz	2560x1440p 50 Hz 1920x1080p 60/50/30/25 Hz 1280x720p 60 Hz 720x480p 60 Hz 720x576p 50 Hz 640x480p 60 Hz	
			USB2.0 Hi-Speed	1280x720p 30 Hz 720x576p 50 Hz 720x480p 60 Hz 640x480p 60 Hz	1280x720p 30 Hz 720x576p 50 Hz 720x480p 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				
AUDIO INTERFACE	3.5mm Headset (TRRS only) LINE-IN: 3.5 mm input				
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	106 x 106.4 x 21m (W x L x H including rubber pad)				
WEIGHT	235 G				
ACCESSORIES	USB-C to USB-A Cable x 1, USB-C to USB-C Cable x 1, Power Adapter x 1				

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)

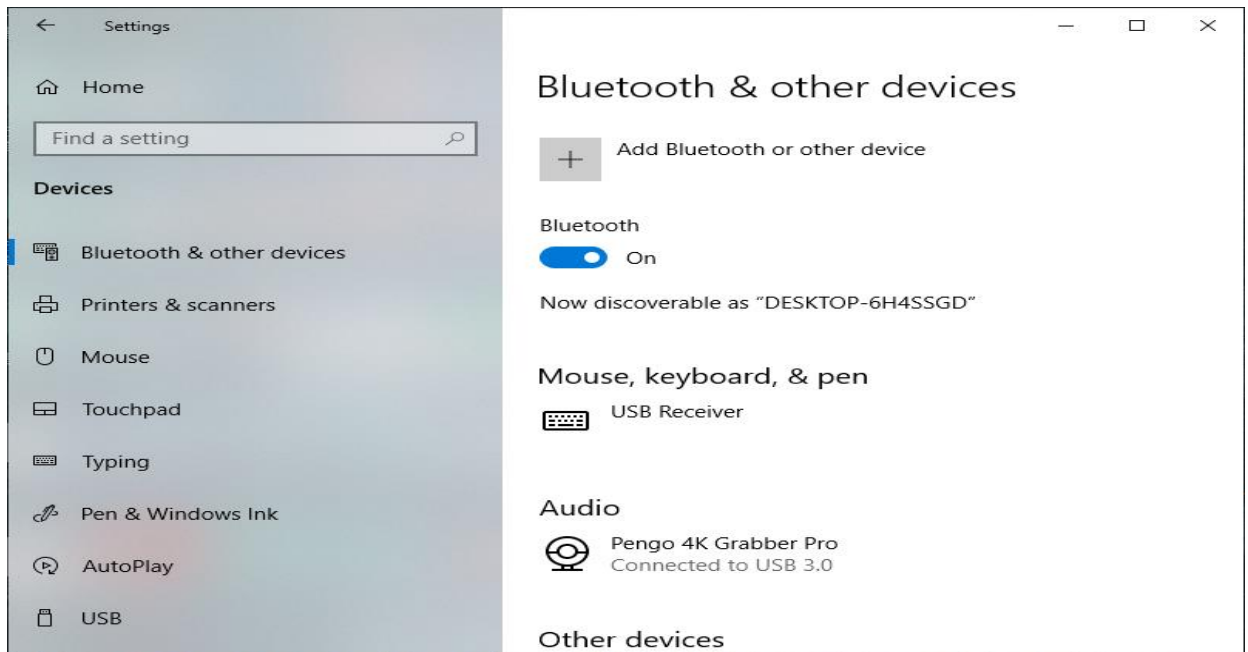
5. Installation

- Connect the Partilink GRA-HU2HU3 4K HDMI Capture Pro into the computer USB-C port using the USB-C cable inside the package.
- Plug-in the HDMI source with an HDMI Cable into the HDMI INPUT port.
- Plug-in the display device with a HDMI Cable into HDMI LOOP-OUT port.
- Plug-in the 3.5mm headset or other acoustic device into AUDIO port.
- Plug-in your 3.5mm audio connector into LINE-IN port

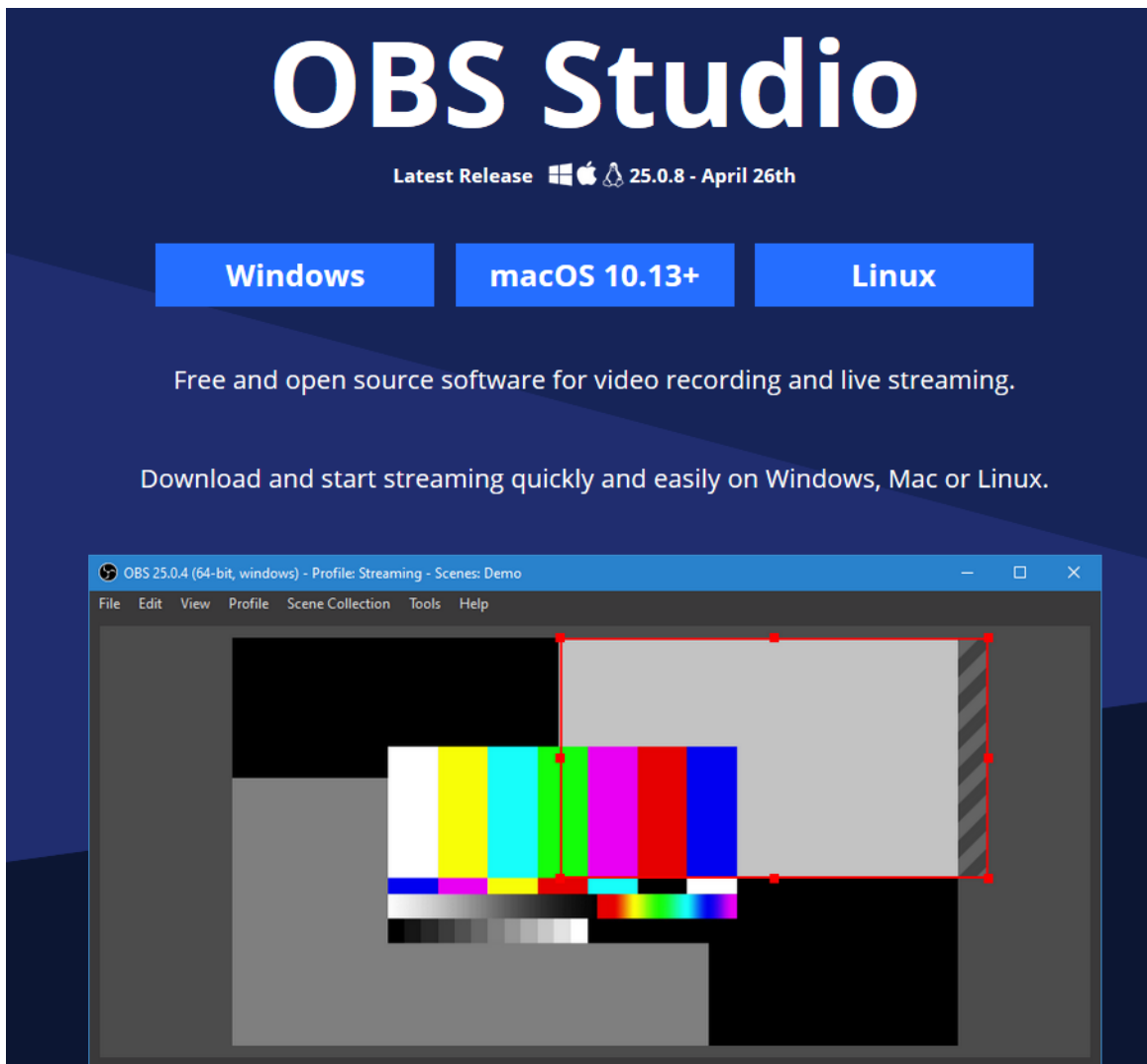


6. Capture Operation for Windows OS with OBS

- (a) After plugging in your device, go to [Windows Settings] and then go under [BT and Other Devices] and make sure Partilink GRA-HU1HU2 “**4K Grabber Pro**” is detected



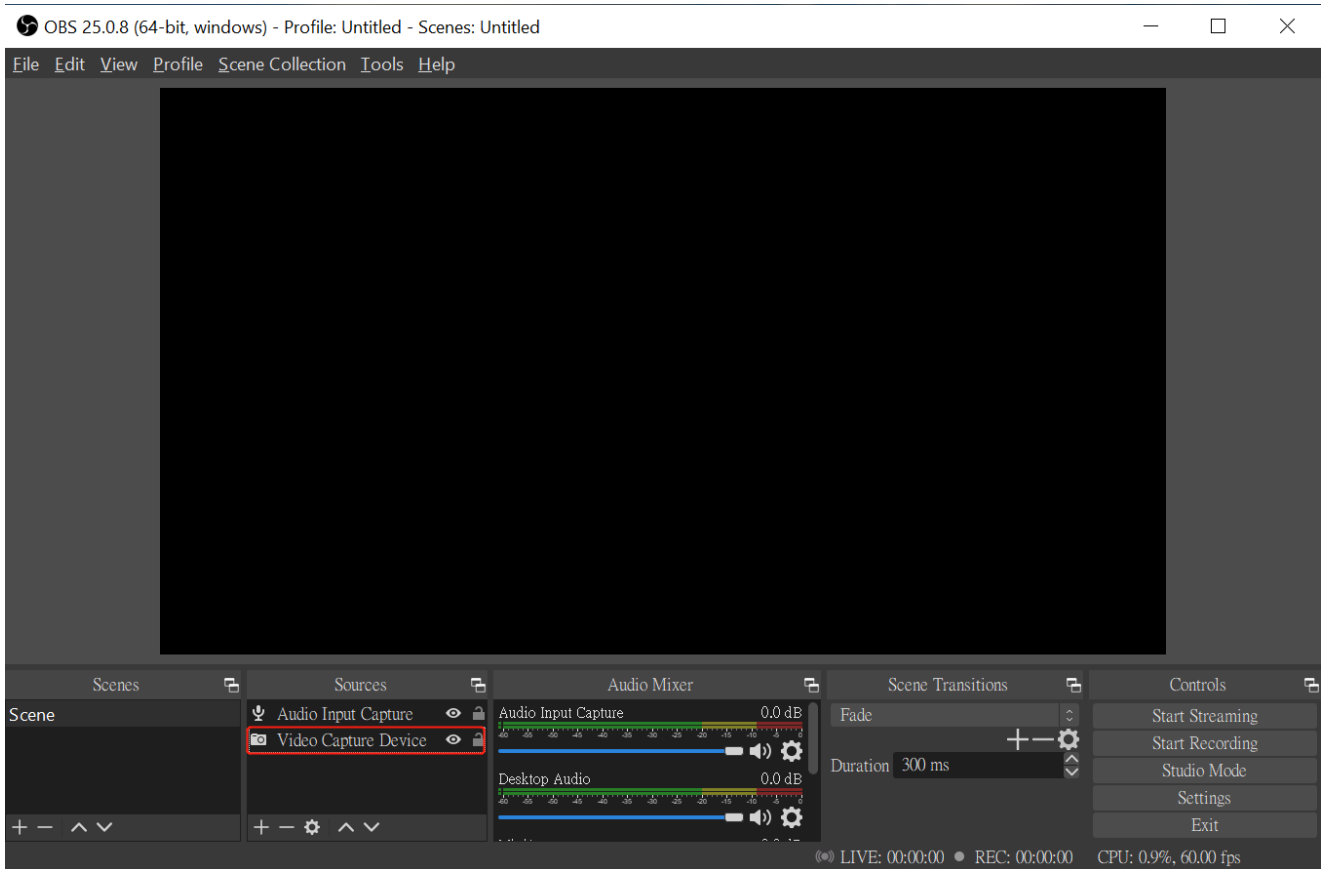
- (b) Download OBS Studio <https://obsproject.com/> (OBS-Studio-25.0.8-Full-Installer-x64. exe)



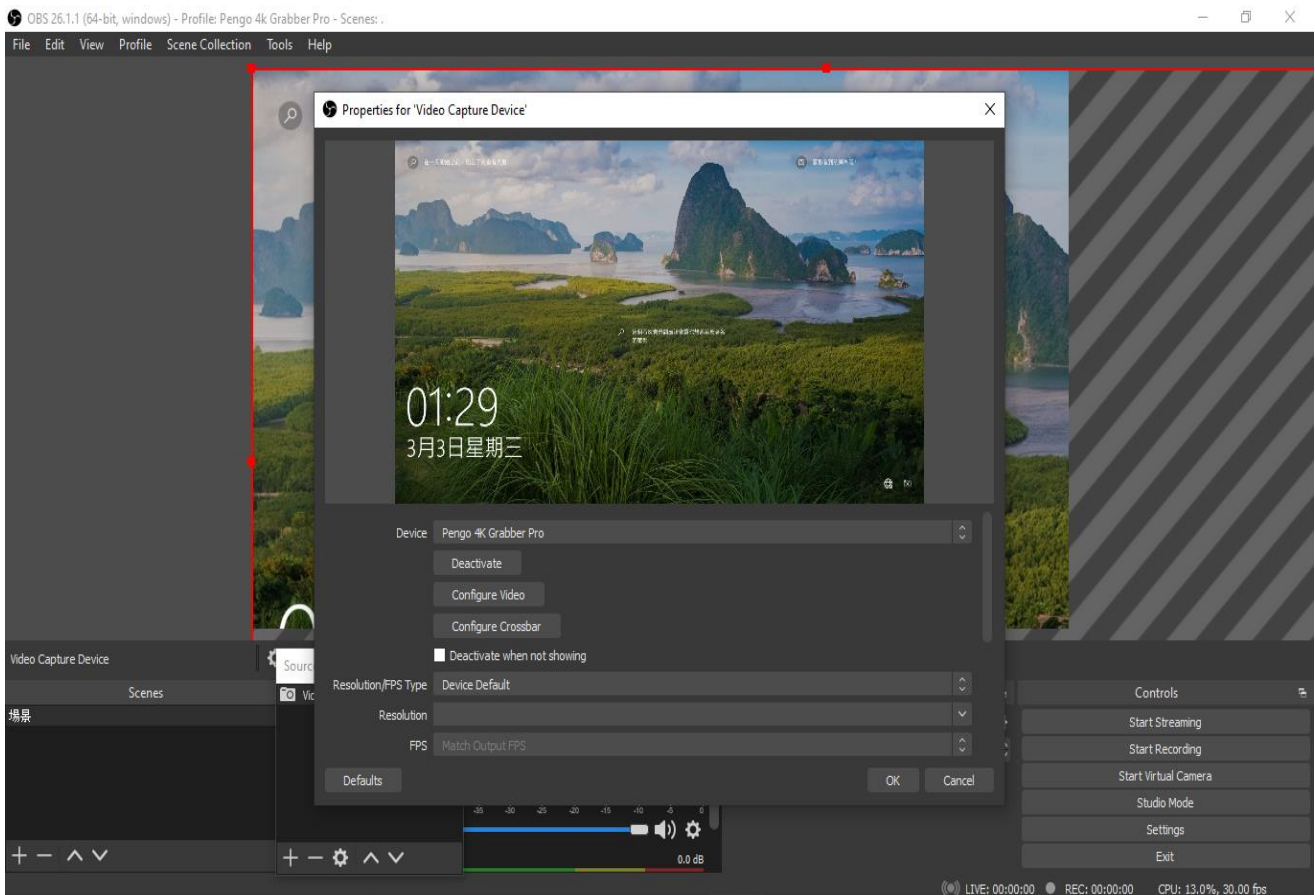
(c) Open OBS Studio. (version 25.0.8)

6.1 Video Setting

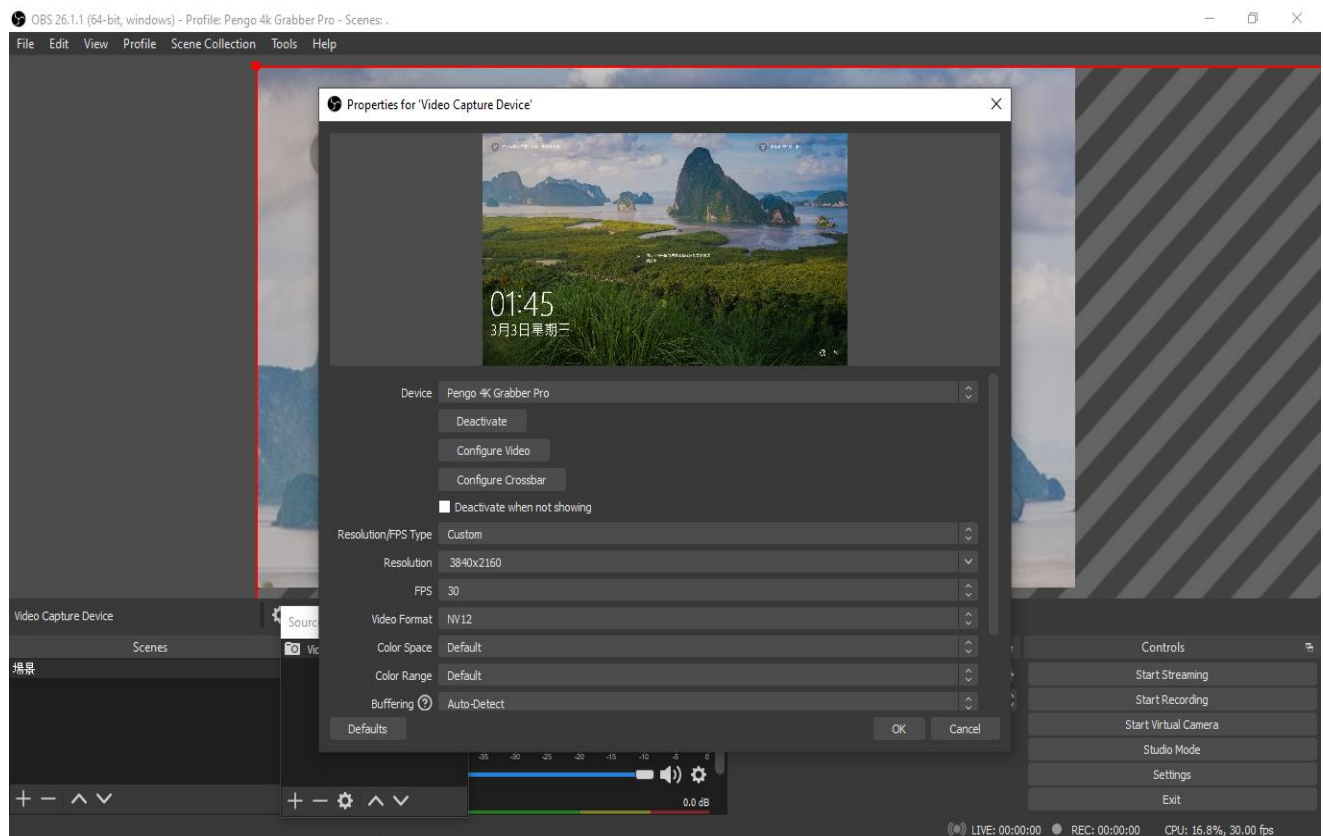
a) Add and select “Video Capture Device”, rename the source and click OK



b) Select “**4K Grabber Pro**” as your device



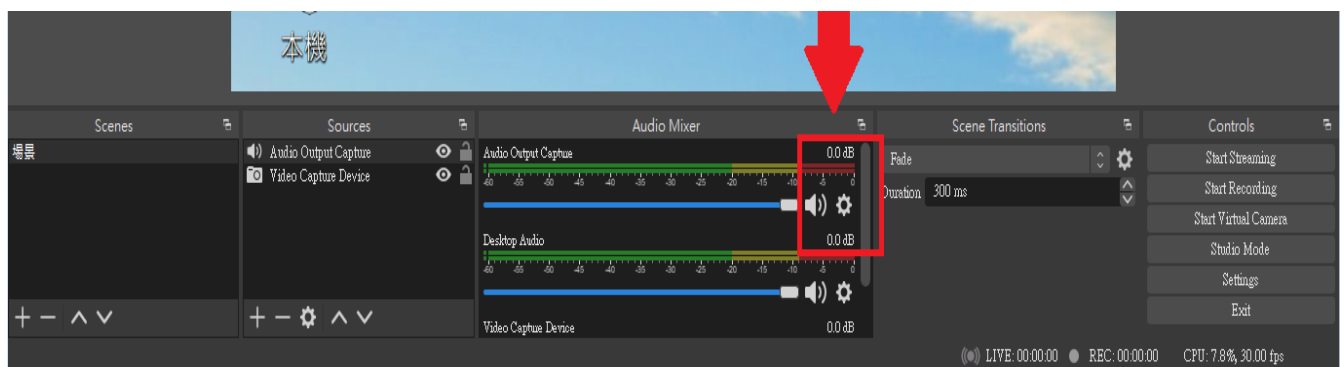
c) Parameter setting references are displayed as below



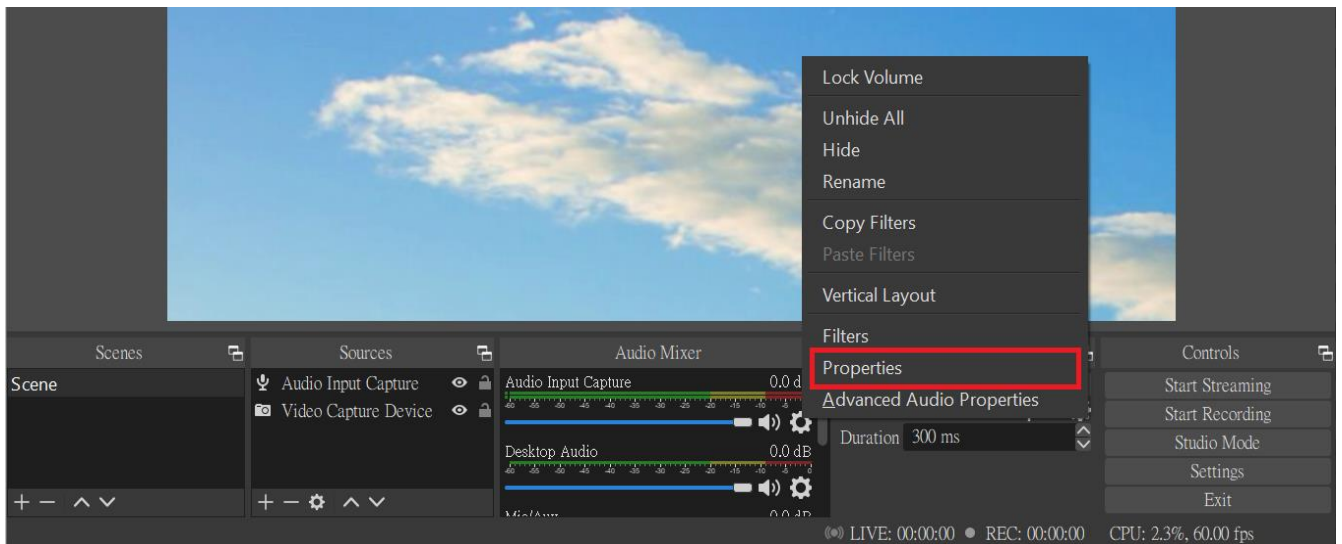
- Resolution/FPS Type: Custom
- Resolution: 3840x2160
- FPS: Match Output FPS (auto select: 30)
- Video Format: NV12
- Audio Device: HDMI (Partilink 4K Capture Pro)

6.2 Audio Setting

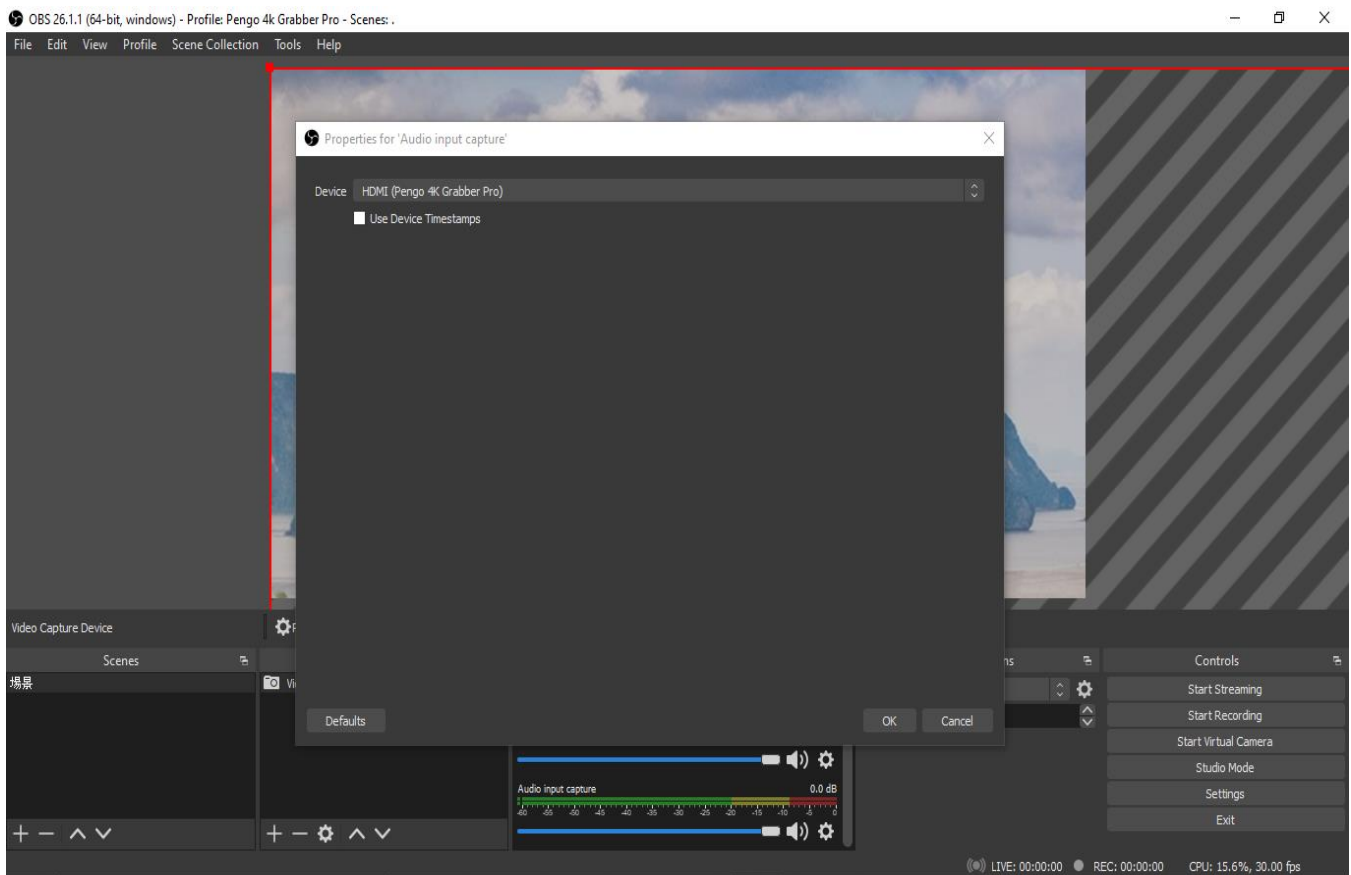
a) Click on the audio setting icon as indication below



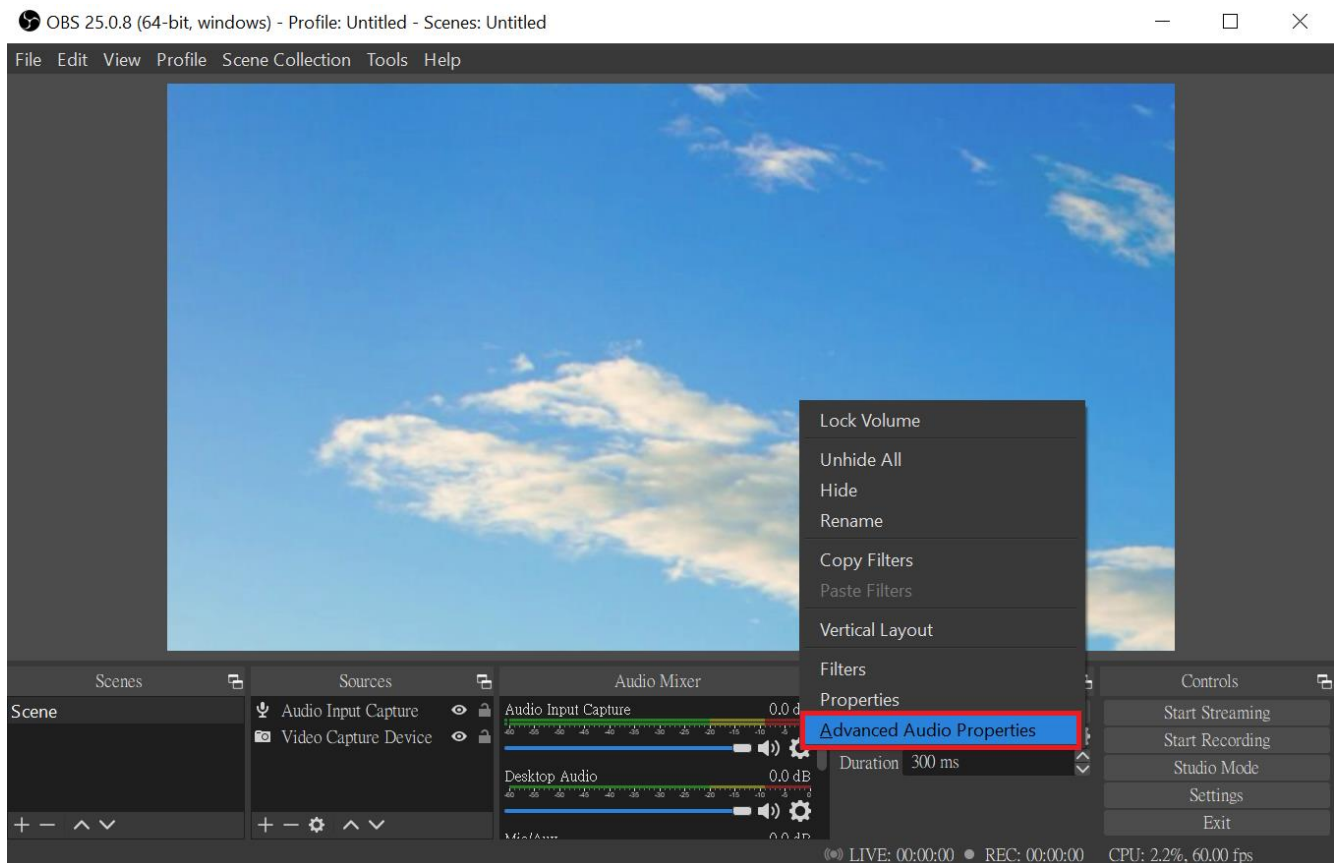
b) Select “Properties”



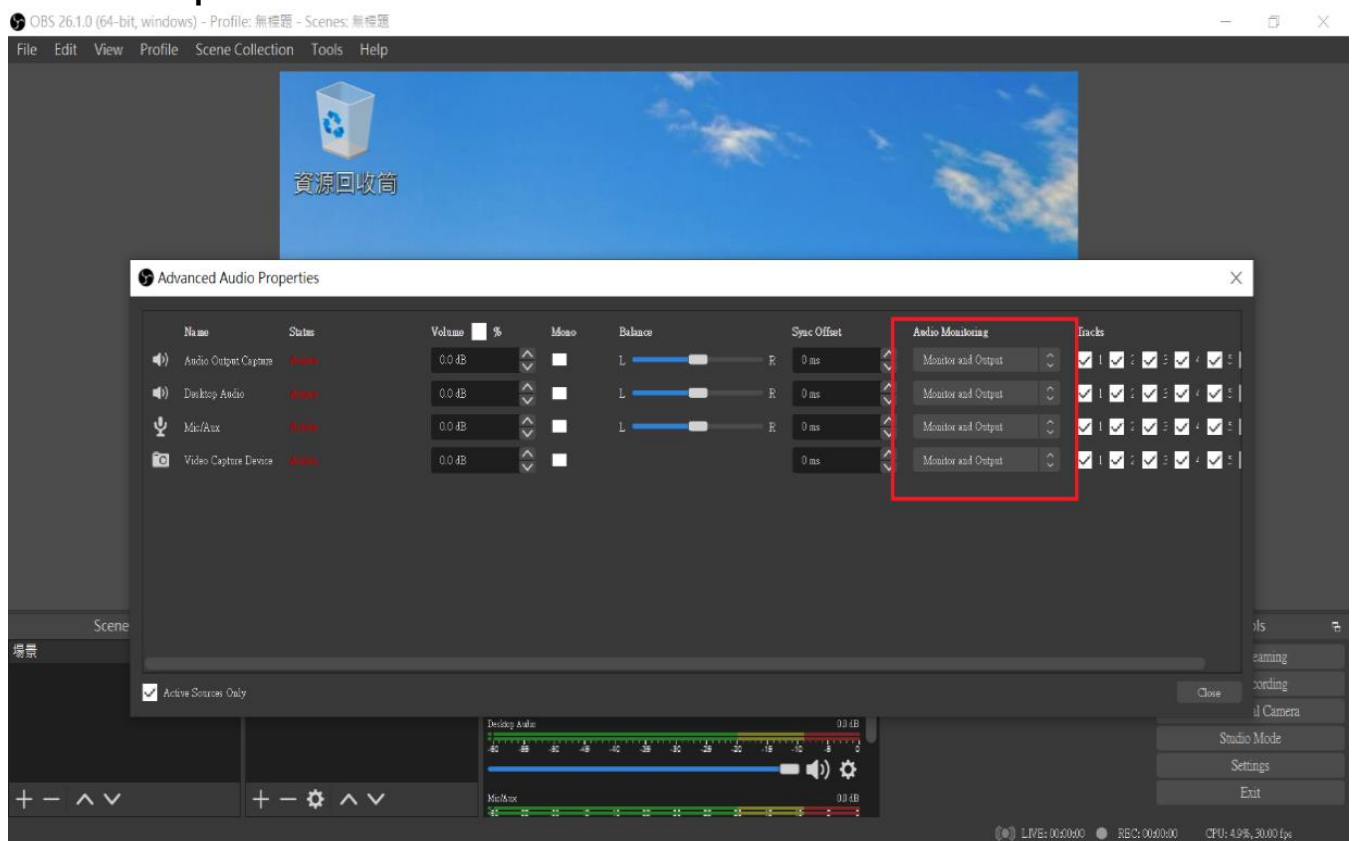
c) Under “Properties”: Select “4K Grabber Pro” as your device



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**”.

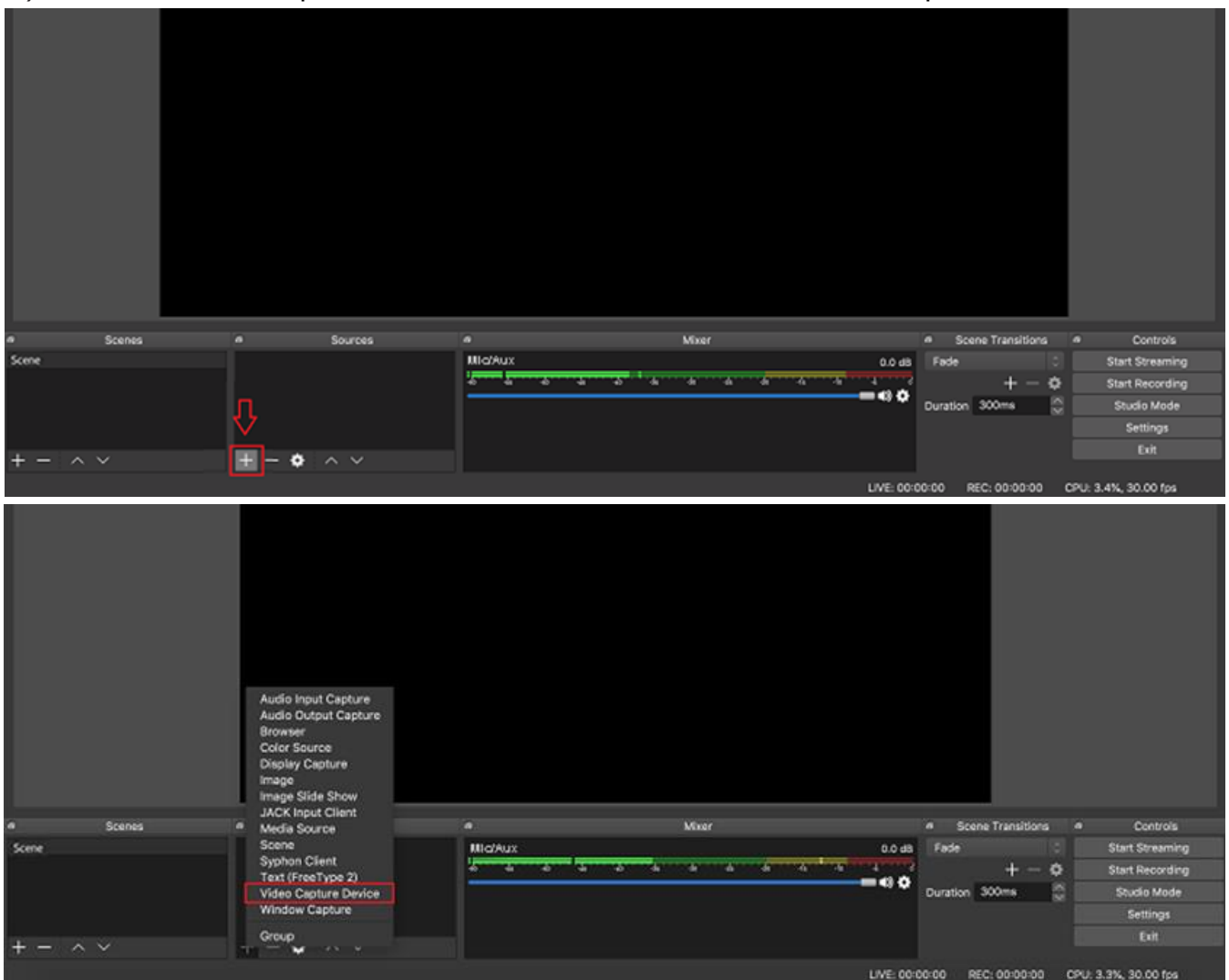


f) OBS Setting completed

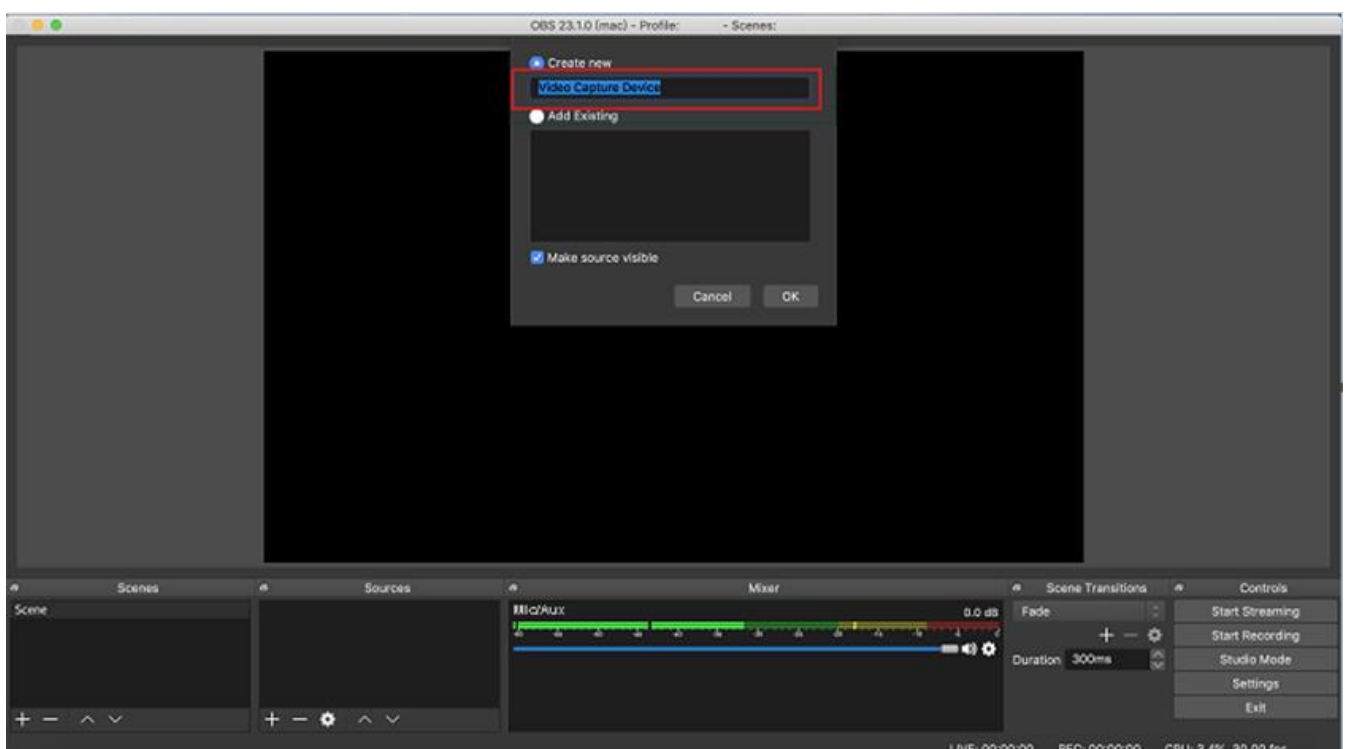
7 Capture Operation for Mac OS with OBS

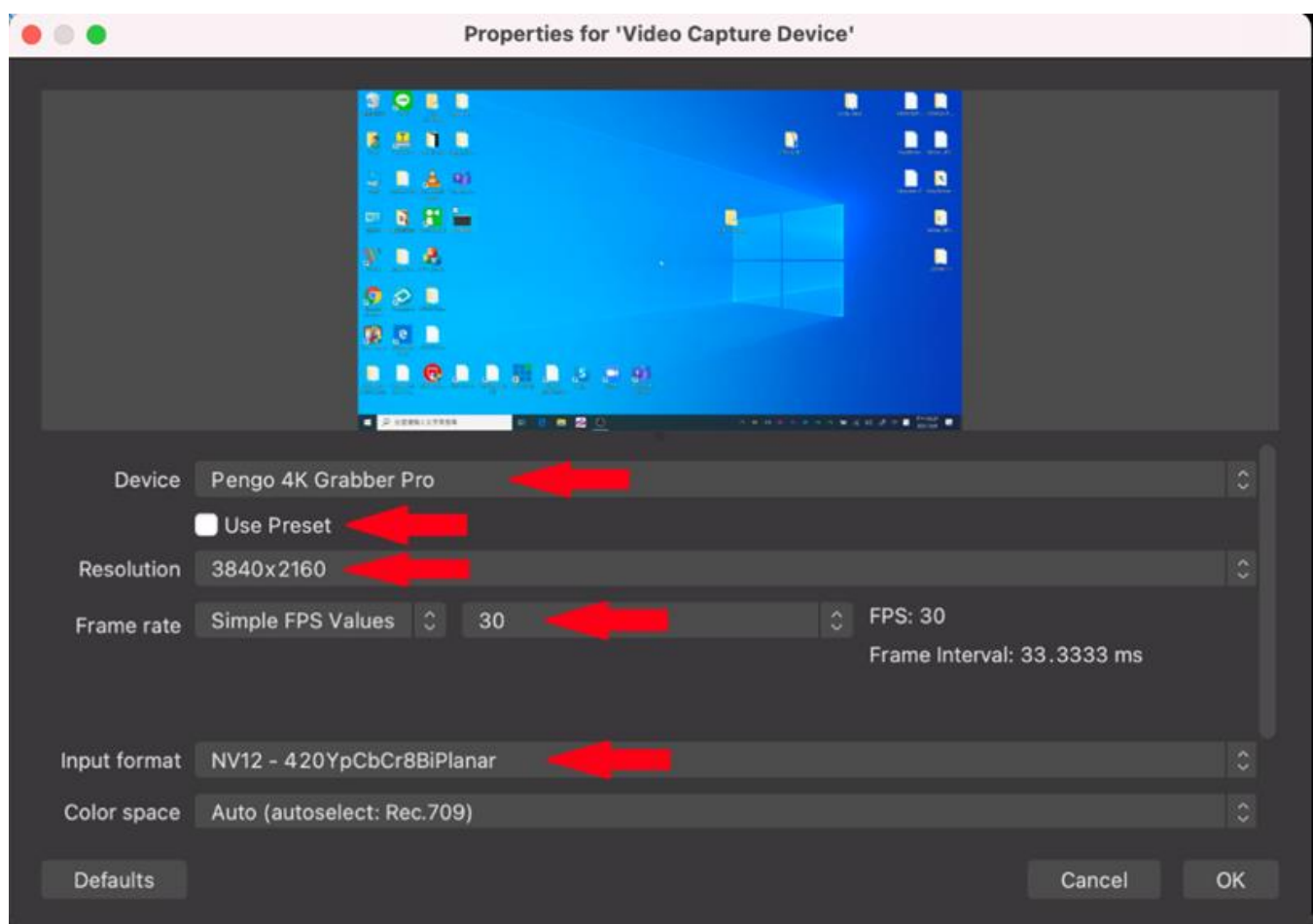
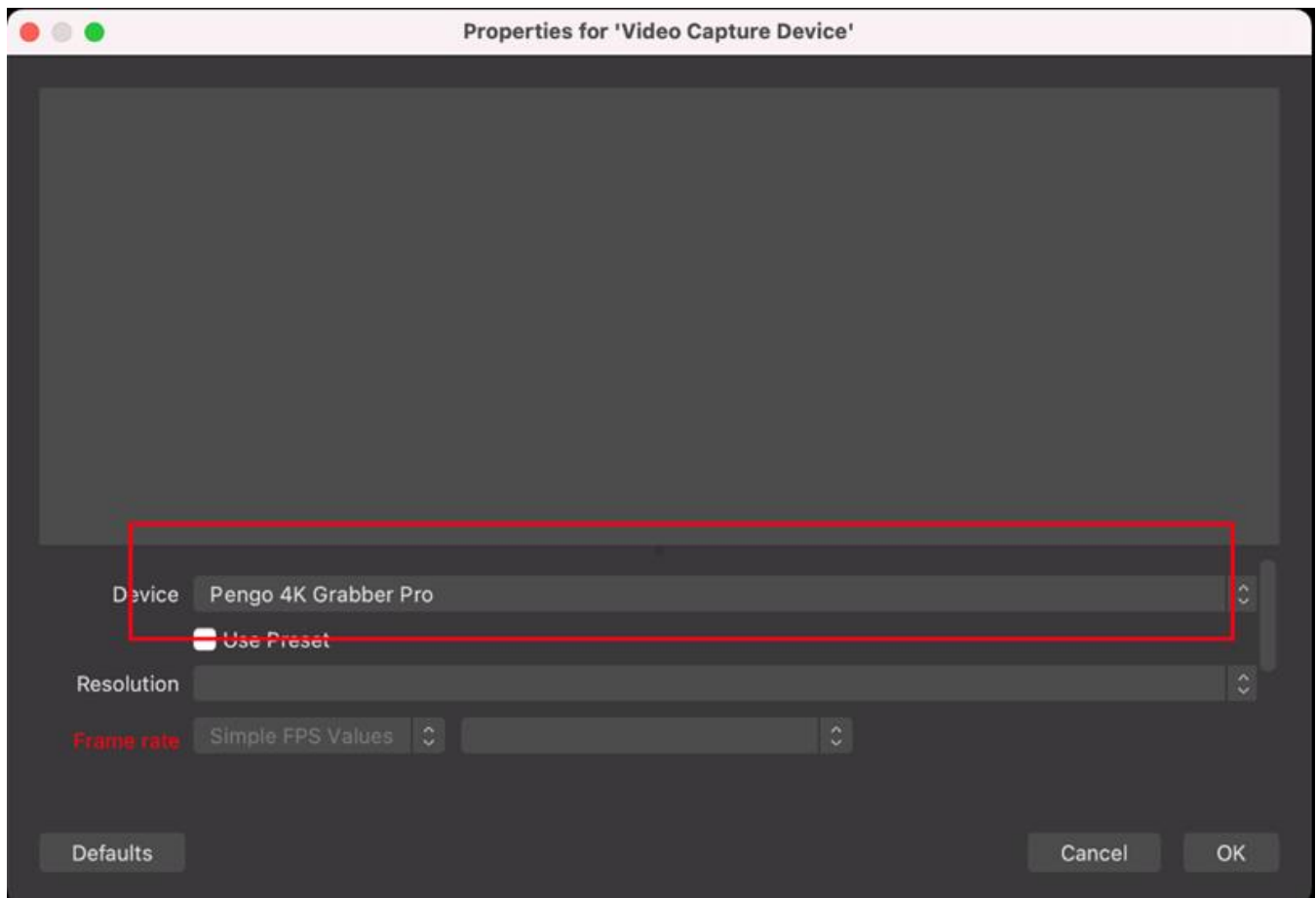
7.1 Video Setting

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



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



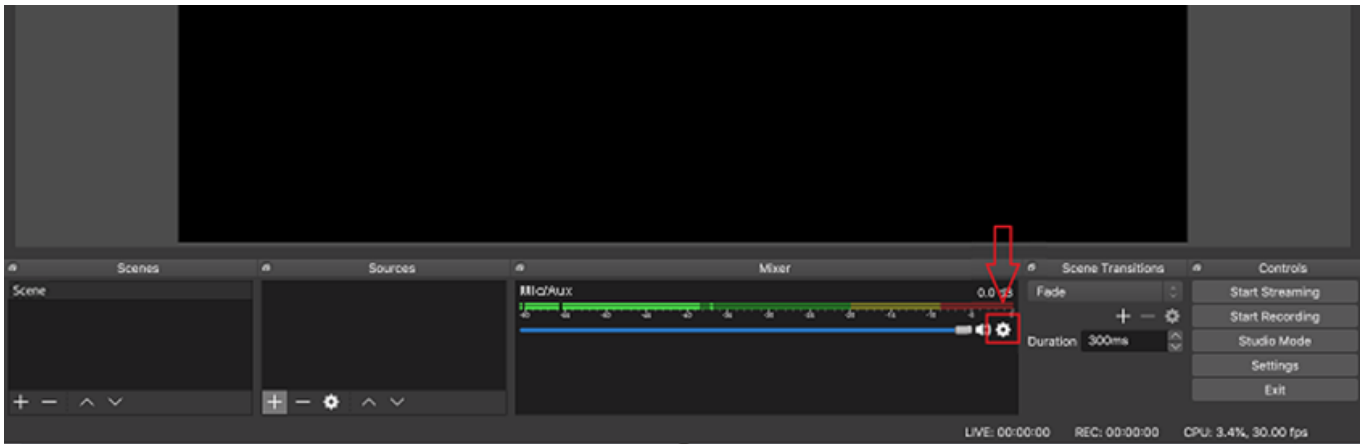


Note:

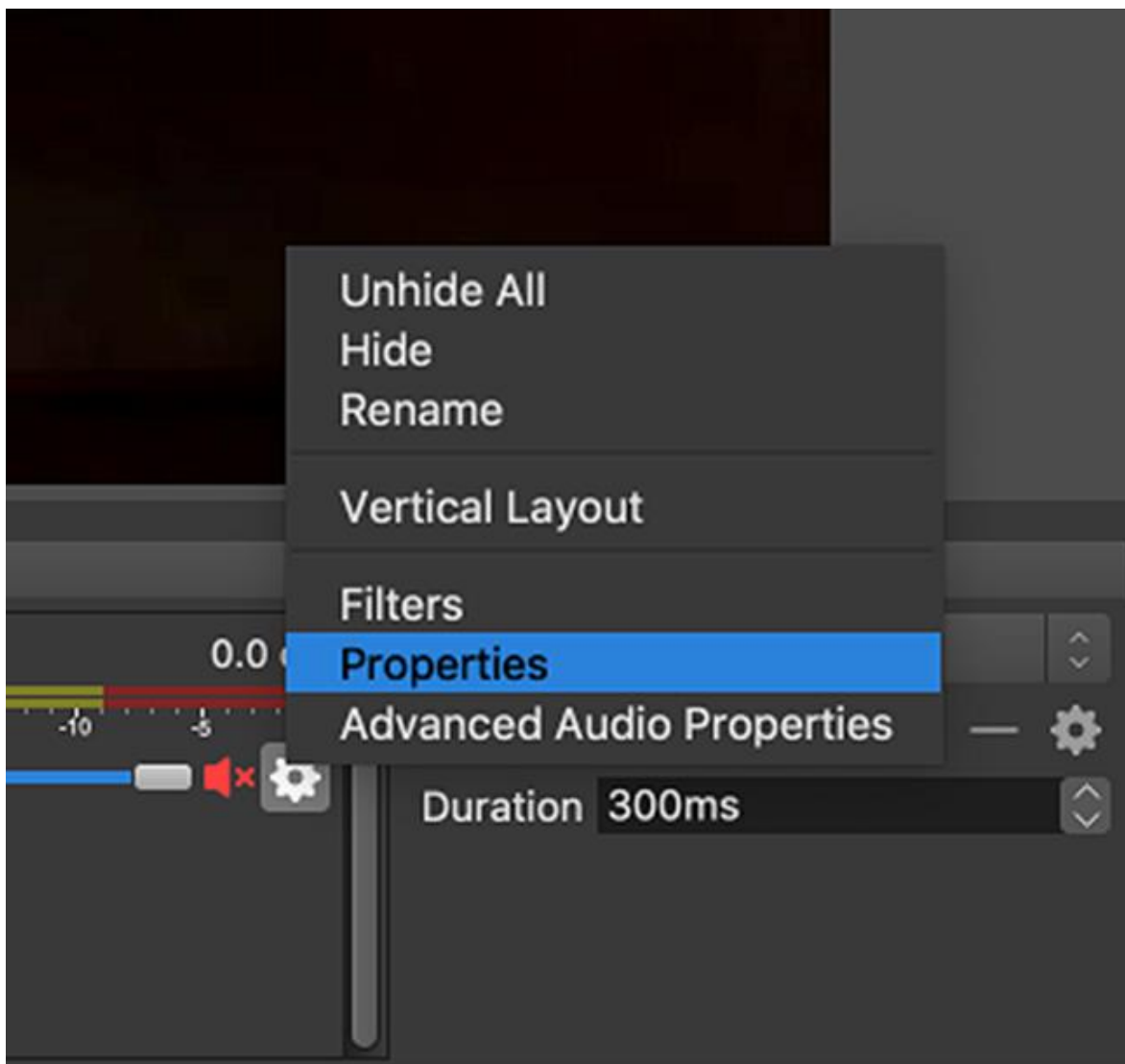
- Do not click “Use Preset” and customize the configuration.
- Resolution: select the best resolution possible 3840 x 2160
- FPS: simple FPS Values 30
- Input Format: NV12.

7.2 Audio Setting

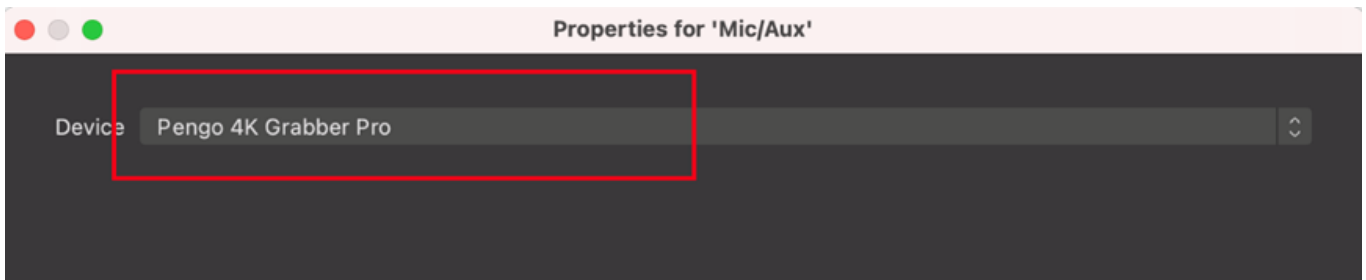
a) Click on the audio setting icon as indication below



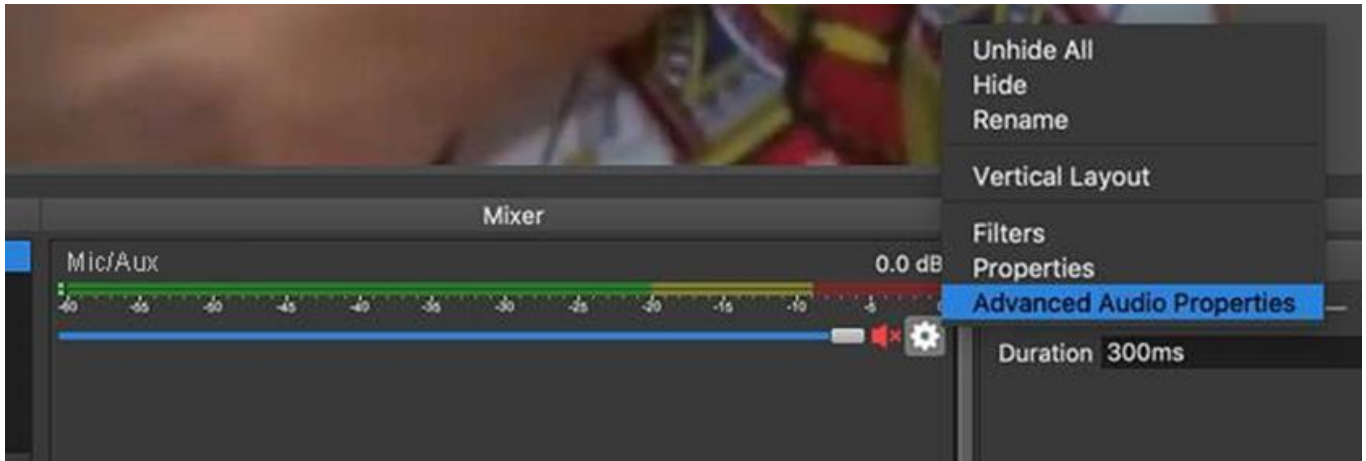
b) Select “Properties”



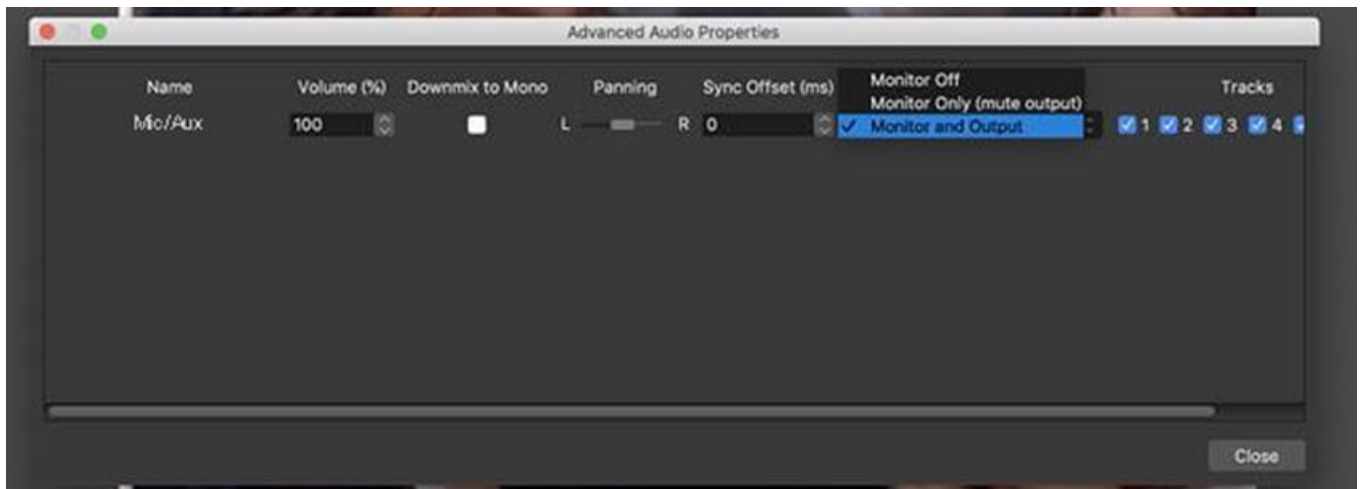
c) Select “**4K Grabber Pro**” in device



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 not 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
- USB-C to USB-C Cable x 1
- User Manual x 1

PARTILINK



sales@partilink.com

GRA-HU2HU3 User manual (210511 V.1)