



4K HDMI GRABBER

HDMI to USB 3.0 Video Capture Box



User manual (v.5)

- English -

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A. Introduction

The Pengo 4K HDMI Grabber is designed to support a 4K UHD Video output and capture audio/video HDMI Source. Transferring audio/video between the grabber and your PC/NB via USB easily enables streamers to capture each sound and movement. Using the Pengo 4K HDMI Grabber will allow a stable video capture in FHD at 60 fps without affecting the performance of your computer.



B. Features

- Supports HDMI 2.0 4K @ 60 fps 4:4:4 input
- Supports HDMI 2.0 Pass-through output
- USB 3.0 Video Capture at 1080p @ 60 fps
- Supports UVC 1.0
- Supports microphone input
- Supports 3.5mm stereo headphone output
- Captures PS4 Pro and Xbox One X game display

C. Inside the box

- Pengo 4K HDMI Grabber x 1
- User Manual x 1
- USB 3.0 Cable x 1

D. Specifications

DESCRIPTION	4K UHD HDMI to USB 3.0 Video Grabber	
INPUT INTERFACE	1 x HDMI type A	1 x 3.5mm audio input
INPUT RESOLUTION	640x480p, 1280x720p, 1920x1080p, 3840x2160p, 4096x2160p	
HDMI VIDEO SAMPLING	4:4:4 format	
OUTPUT INTERFACE	1 x HDMI type A, loop-through output	
	1 x USB Type A (USB 3.0, USB 2.0), supporting UVC video and audio	
	1 x 3.5 mm audio output	
OUTPUT RESOLUTION	Up to 4096x2160p @ 60 Hz via HDMI	
	Up to 1080p @ 60 Hz via USB	
UVC COLOR SPACE	YUY2 (4:2:2), RGB 4:4:4 (MJPEG)	
AUDIO INPUT	HDMI, 16-bit PCM encoded audio at 44.1kHz, 48kHz, 96kHz and 192kHz sampling rates	
	Stereo microphone input	
AUDIO OUTPUT	16-bit PCM encoded audio at 48KHz sampling rates	
	Stereo headphone output	
OS SUPPORT	Windows 8.1, Windows 10, Mac OS X (10.13 and above), Linux	
ENVIRONMENT	Operating temperature 0~45°C Operating humidity 20~90% Storage temperature -20~60°C	
DIMENSION	65 x 85.6 x 15.2 mm (W x L x H)	
WEIGHT	91G	

E. System requirements

CPU: i3 Dual Core 2.8GHz or higher

RAM: 2GB or higher

OS: Microsoft Windows 8.1/10

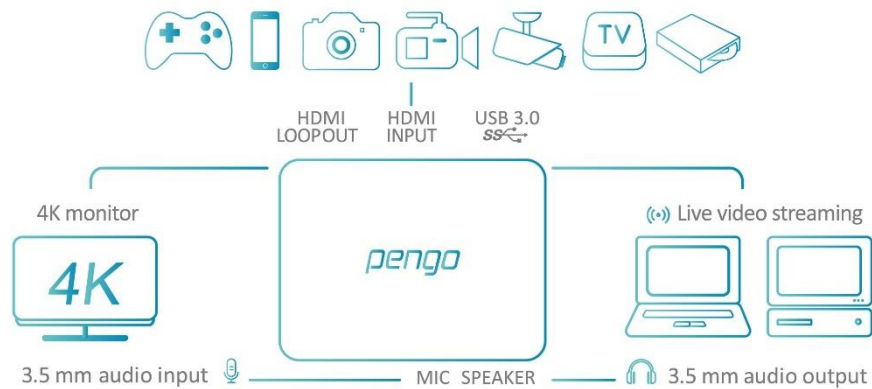
OS X (10.13 and above)

Linux (2.6.38 and above)

*Note: Cannot record HDCP content (ie: DVD 、BlueRay player...etc)

F. Installation

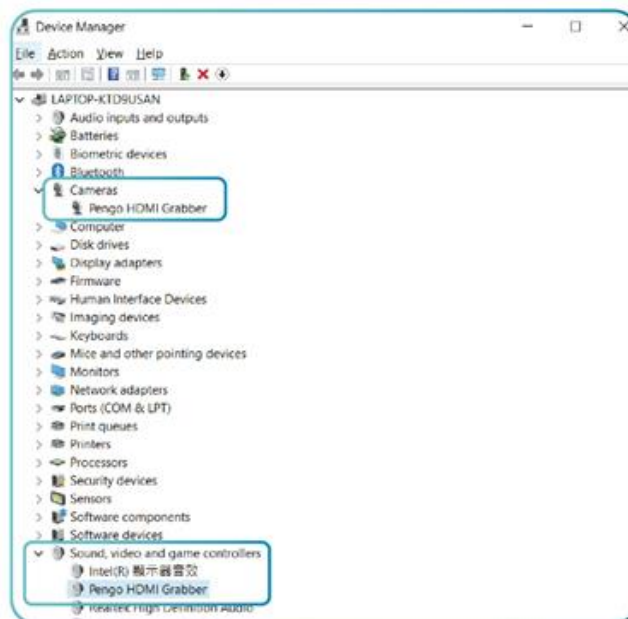
1. Connect Pengo 4K HDMI Grabber into the computer USB 3.0 Port using the USB 3.0 cable inside the package.
2. Plug in your devices (ie: PS4 Pro \ Xbox One X) with an HDMI Cable into the HDMI input port.
3. Plug in your display device (ie: monitor) with a HDMI Cable into Pengo 4K HDMI Grabber LOOP out port.
4. Plug in your 3.5mm headphones and microphone into their perspective ports.



G. Operating Instructions (Windows with PotPlayer)

1. PotPlayer

- 1.1 After plugging in your device, go to [Device Manager] to make sure [Pengo HDMI Grabber] is detected



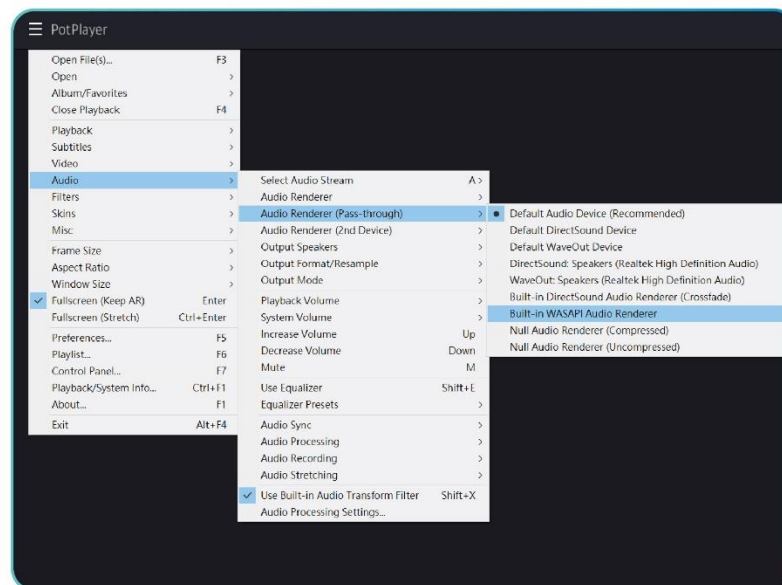
- 1.2 Download PotPlayer : <https://potplayer.daum.net/>
(install base on your OS version)



- 1.3 Open PotPlayer (different versions will have different interface)

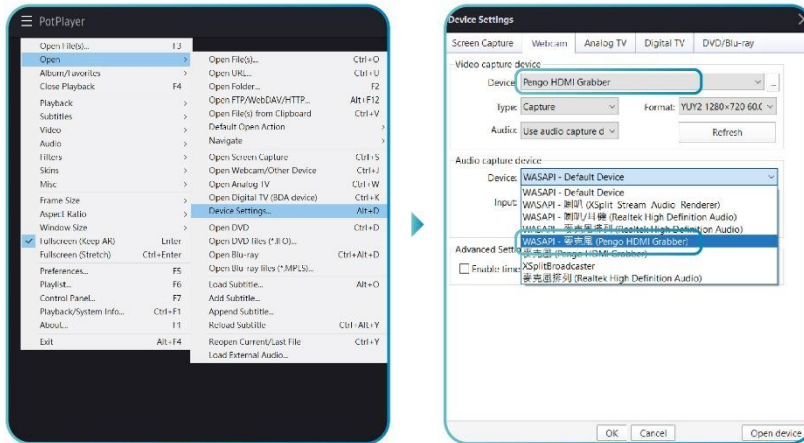
1.4 Sound settings

Under PotPlayer menu, go to Audio -> [Audio Renderer (Pass-through)] -> select [Built-in WASAPI Audio Renderer]



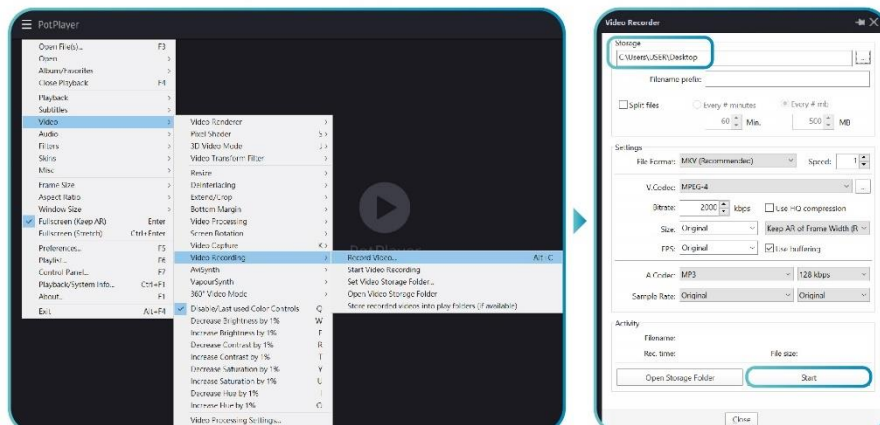
1.5 Select Device

- I. Under Menu > Open -> Device Settings
- II. Under Webcam -> Video capture device, under Device select -> [Pengo HDMI Grabber]
- III. Audio capture device -> under Device select -> [WASAPI – Mic (Pengo HDMI Grabber)]
- IV. Press [Open device], You'll be able to see your video and audio



1.6 Video Recording

- I. Go to the Menu -> Video -> Video Recording -> Record Video
- II. Select your storage location
- III. Press [Start]



H. Operating Instructions (Mac OS with VLC and QuickTime)

1. VLC

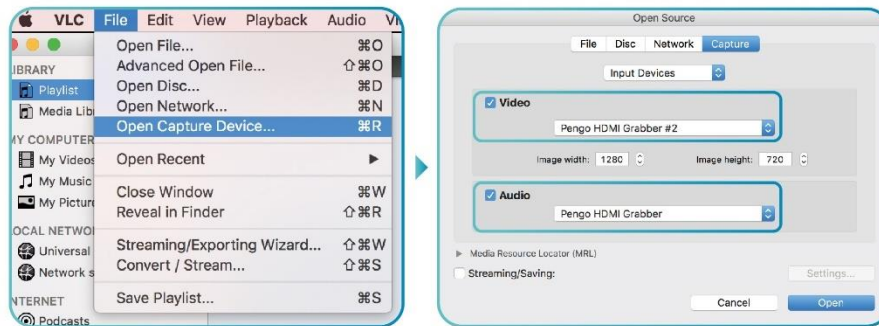
1.1 Download VLC at <https://www.videolan.org/index.html>



1.2 Open VLC

1.3 Go to File -> Open Capture Device

1.4 Under Capture, check the video and audio box and select [Pengo HDMI Grabber] and press Open

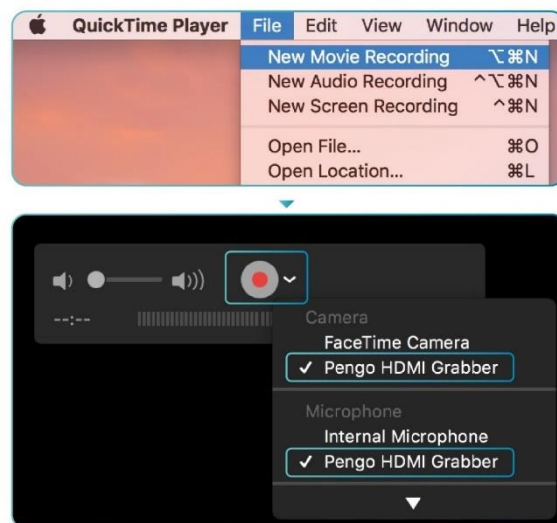


2. QuickTime

2.1 Open QuickTime

2.2 Go to File -> New Movie Recording

2.3 if your display does not appear, next to the record RED button drop down menu, select [Pengo HDMI Grabber]



Note:

- It is recommend to use our USB 3.0 cable.
- Different version will have slightly different interface.
- Please contact us if you have any issues.
- Please register your Pengo product at: www.pengohome.com/register

- END -