# **User Manual**

# CVHU3

# HDMI to USB Video Capture Device

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### Introduction

The CVHU3 is a HDMI to USB video capture device. The product is designed to capture video and audio signal from the HDMI source. The content captured can be saved to the PC/Laptop through a USB cable.

# Features

- Capture video and audio from HDMI sources.
- HDMI video resolution is up to 4K@60Hz 4:4:4, HDR10
- Supports HDMI loop output for display device connection.
- Capture resolutions up to 1080p at 60 frames per second through USB port.
- Compatible with multiple third-party applications, such as OBS/ VLC/Potplayer/ YouTube on Windows, QuickTime on Mac OS X.
- Supports microphone input and headphone output.
- Powered from USB port, no external power supply required.

# Package List

Please make sure all the items listed below are in the package. If anything is missing or damaged, please contact your distributor for a replacement.

- 1x CVHU3 HDMI to USB Video Capture Device
- 1x USB Cable
- 1x User Manual

# **Panel Description**



- 1. HDMI In: Connects to HDMI source device.
- 2. HDMI Out: HDMI loop output for HDMI display device connection.
- 3. USB Record: Connects to laptop, PC or other recording device.
- 4. Earphone: Connects to headphone for audio de-embedding.
- 5. MIC: Connects to microphone for audio mixing.

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# **System Connection**

#### **System Requirement**

- The recording device with available type-A USB port.
- Microsoft Windows, Mac OS X or Linux.
- HDMI audio/video source with HDMI Cable (Camera, Xbox, PS4, DVD...etc.).

#### System Diagram





# Recording for Windows using VLC

#### **VLC Media Player Initial Setting**

Note: The VLC Media Player is the recommended software used for video capturing. Please visit **www.videolan.org/vlc/** to download VLC Media Player for Windows, Mac OS X or Linux.

For initial use, the hardware accelerated decoding must be set at "Automatic" to ensure the best performance. Please following the instructions below to set the hardware accelerated decoding.

1. Select "Tools", and then click on "Preferences" at the drop down menu.



2. Click "Input/Codes", and the select "Automatic" for Hardware-accelerated decoding, and then "Save" to finish the initial VLC setting.

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#### **VLC Media Player Direct Show**

1. Select "Media", and then select "Open Capture Device" at the drop down menu.



2. For video device name, select "USB3.0 HD Video Capture".

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Audio device name	Default None Integrated Camera Untegrated Camera
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Video size	
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3. For audio device name, select "Microphone (USB3.0 HD Audio Capture)".

🛓 Open Media	
🕞 File 🔗 Disc 🚏 Network	🖽 Capture Device
Capture mode	DirectShow 🔻
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Video size	ameroprote (0505.0 ) III addite capture)
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Show more options	
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4. To set up the correct aspect ratio, click "Advanced options".

🛓 Open Media	
🕞 File 💊 Disc 🚏 Network	🥶 Capture Device
Capture mode	DirectShow 🔻
Device Selection	
Video device name	USB3.0 HD Video Capture 🔻
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Options	
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- 5. Enter the aspect ratio for the video source (e.g. 16:9).
- 6. Click "OK" to exit the "Advanced options" menu.

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7. Click "Play", the source screen will show in approximately several seconds.

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DirectShow 💌
USB3.0 HD Video Capture 🔻
Microphone(USB3.0 HD Audio Capture) 💌
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#### VLC Media Player Recording

Note: We recommend using the "Convert/Save" method to record the video from the device for best performance.

1. Select "Media", and then select "Convert / Save" at the drop down menu.



2. Click "Capture Device" tab on the top right side.

🛓 Open Media	
🕞 File 💊 Disc	Thetwork 🕼 Capture Device
Capture mode	DirectShow 💌
- Device Selection	
Video device name	USB3.0 HD Video Capture 🔻
Audio device name	Microphone (USB3. 0 HD Audio Capture) 🔻
Options	
Video size	
	Advanced options
Show more options	
	Play  Cancel

**3.** Video device name should be "USB3.0 HD Video Capture" and audio device name should be "Microphone (USB3.0 HD Audio Capture)".

4. To set the aspect ratio, click "Advanced options".

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Capture mode	DirectShow 🔻
Device Selection	
Video device name	USB3.0 HD Video Capture 🔻
Audio device name	Microphone(USB3.0 HD Audio Capture) 🔻
Options	
Video size	
	Advanced options
Show more options	
	Play 🔻 Cancel

- 5. Enter the aspect ratio for the video source (e.g. 16:9).
- 6. Click "OK" to exit the "Advanced options" menu.

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	Tuner country code	0
	Video standard	Default -
	Tuner input type	Default -
	Video input pin	-1 ×
Show		Cancel
		Convert / Save - Cancel

7. Click "Convert / Save".

🛓 Open Media	
🕨 File 💊 Disc 🚏 Network	🖽 Capture Device
Capture mode	DirectShow 🔻
Device Selection	
Video device name	USB3.0 HD Video Capture 🔻
Audio device name	Microphone(USB3.0 HD Audio Capture) 🔻
Options	
Video size	
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Show more options	
	Convert / Save 🔻 Cancel

8. Select "Display the output" check-box, and then click "Browse" to choose where to save the destination file and enter the file name.

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Destinat	ion
Destinat	ion file: C:\Users\Administrator\Desktop\Movie-2.mp4 Browse
	Start Cancel

- **9.** Click "Start", and the video and audio recording will start in approximately several seconds.
- **10.** To stop recording, simply click the square "Stop" button at the bottom control panel.











# Recording for Mac using QuickTime

1. Launch QuickTime Player, click "File" at the top menu and select "New Movie Recording".

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2. The recording control panel will appear on the screen, first click the "v" symbol for the drop down menu.



**3.** Select "USB3.0 HD Video Capture" under "Camera", and select "USB3.0 HD Audio Capture" under "Microphone". Then adjust to desired volume for the speaker.



4. Click the "Record" button to start recording.



5. To stop recording, simply click the square "Stop" button.



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6. Enter the recording file name and select where to save the file.

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# **Specification**

Model	CVHU3			
Description	HDMI to USB Video Capture Device			
Input	(1) HDMI In, (1) Microphone			
Input Connector	(1) Type-A HDMI, (1) 3.5mm jack			
Output	(1) HDMI Out, (1) USB Record, (1) Earphone			
Output Connector	(1) Type-A HDMI, (1) Type-A USB, (1) 3.5mm jack			
HDMI Standard	2.0			
HDMI Input Resolution	Up to 4K@60Hz 4:4:4, HDR10			
HDMI Output Resolution	Up to 4K@60Hz 4:4:4, HDR10			
USB Output Color Space	YUV2, RGB			
HDMI Audio Format	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X <sup>™</sup> , and DTS-HD® Master Audio <sup>™</sup> pass-through.			
Microphone Audio Format	PCM 2.0			
Headphone Audio Format	PCM 2.0			
OS Support	Windows, Mac OS X, Linux.			
Compatible Media Player	OBS, Potplayer, VLC and so on.			
Video Capture Format	HDMI Source	Captured Video by USB		
	4K@60Hz 4:4:4	1080p@60Hz/720p		
	1080p@60Hz 4:4:4	1080p@60Hz/720p		
	720p	720p		
	480	480		
	576	576		
General				
Operation Temperature	-5 to +55°C (+23° to +131°F)			
Storage Temperature	-25 to +70℃ (-13° to +158°F)			
Relative Humidity	10% to 90%, Non-condensing			
Dimension (W*H*D)	102mm x 13mm x 61mm			
Net Weight	75g			



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