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

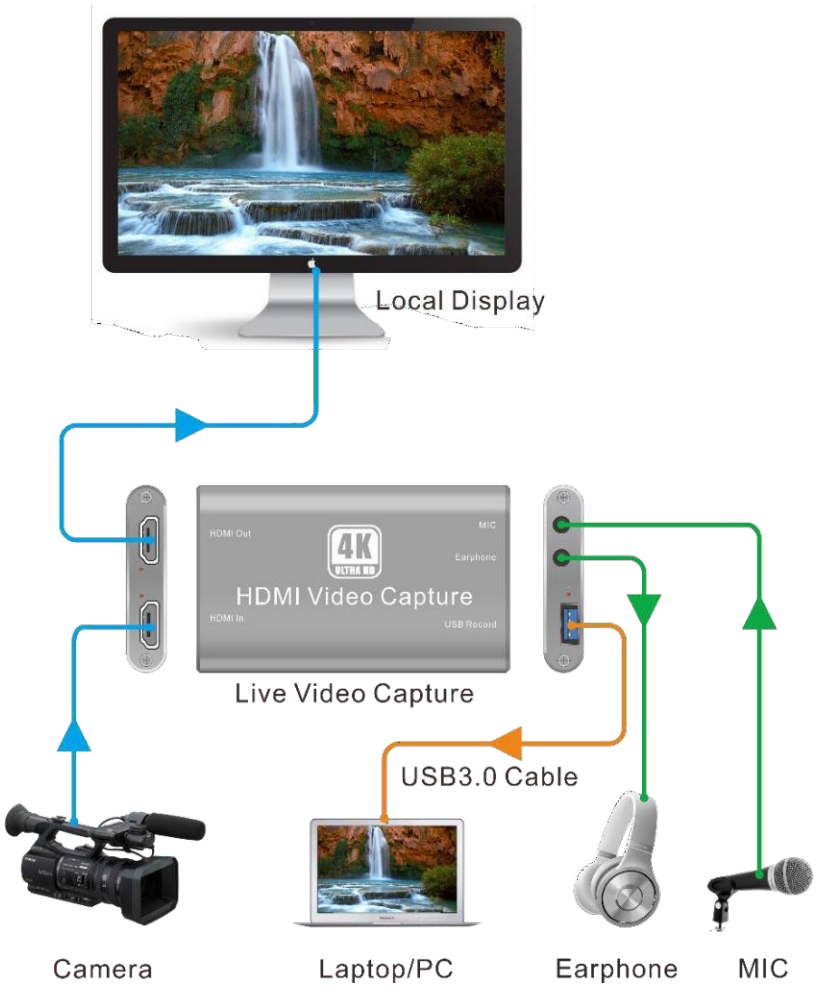
1. **HDMI In:** Connects to HDMI source device.
2. **HDMI Out:** HDMI loop output for HDMI display device connection.
3. **USB Record:** Connects to laptop, PC or other recording device.
4. **Earphone:** Connects to headphone for audio de-embedding.
5. **MIC:** Connects to microphone for audio mixing.

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



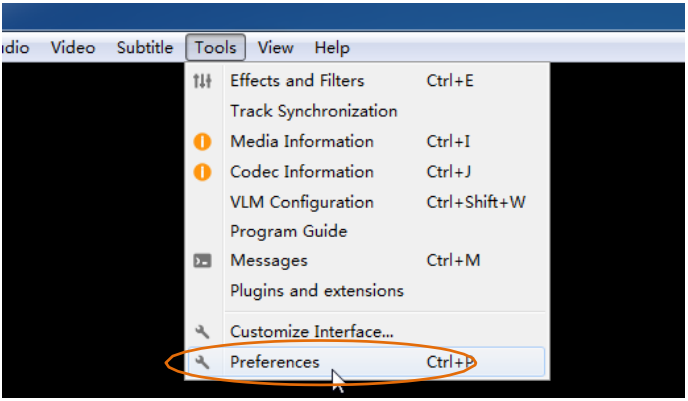
Recording for Windows using VLC

VLC Media Player Initial Setting

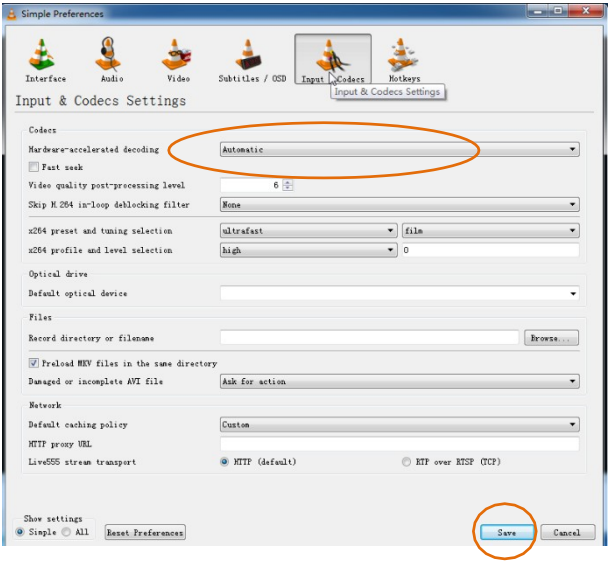
Note: The VLC Media Player is the recommended software used for video capturing. Please visit ***www.videolan.org/vlc/*** *to download VLC Media Player for Windows, Mac OS X or Linux.*

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.

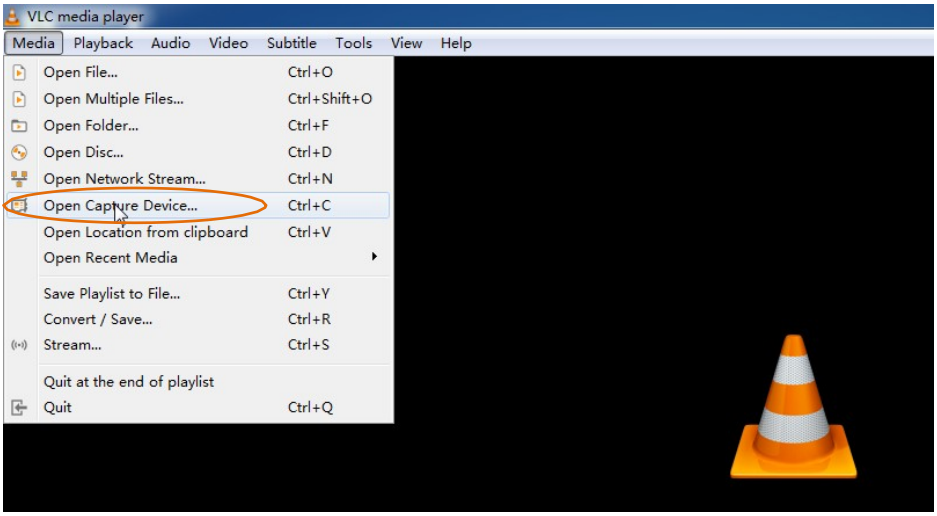


2. Click "Input/Codes", and the select "Automatic" for Hardware-accelerated decoding, and then "Save" to finish the initial VLC setting.

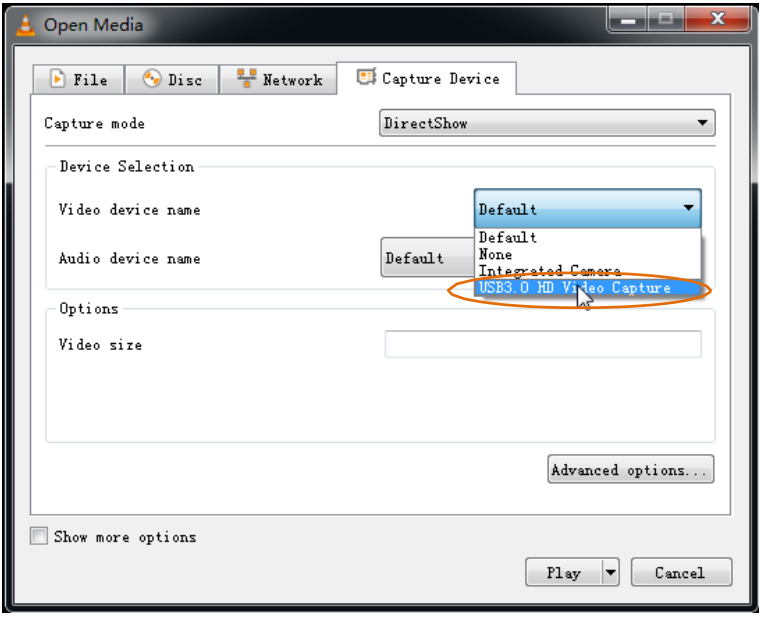


VLC Media Player Direct Show

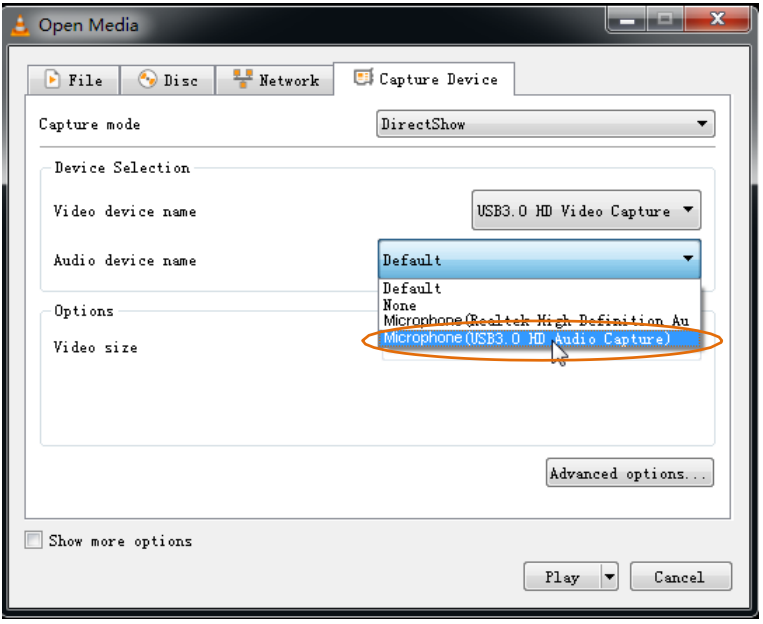
1. Select “Media”, and then select “Open Capture Device” at the drop down menu.



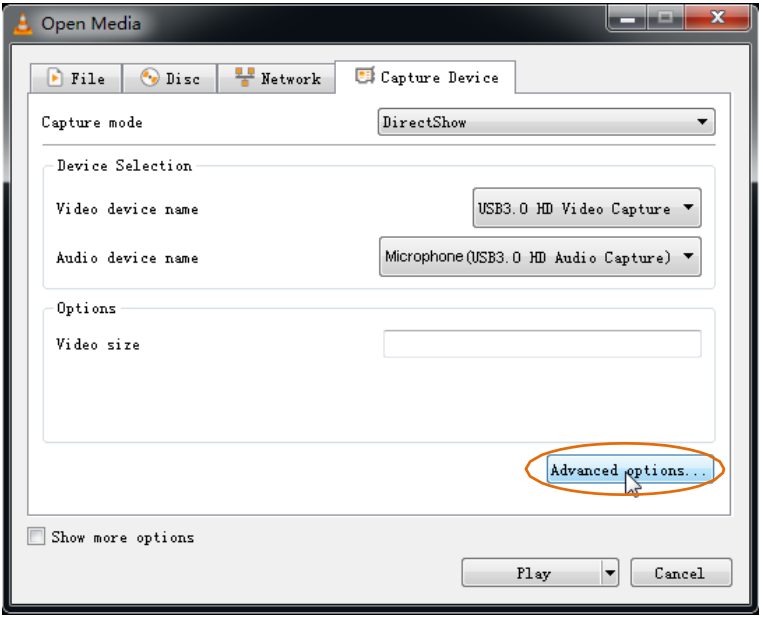
2. For video device name, select “USB3.0 HD Video Capture”.



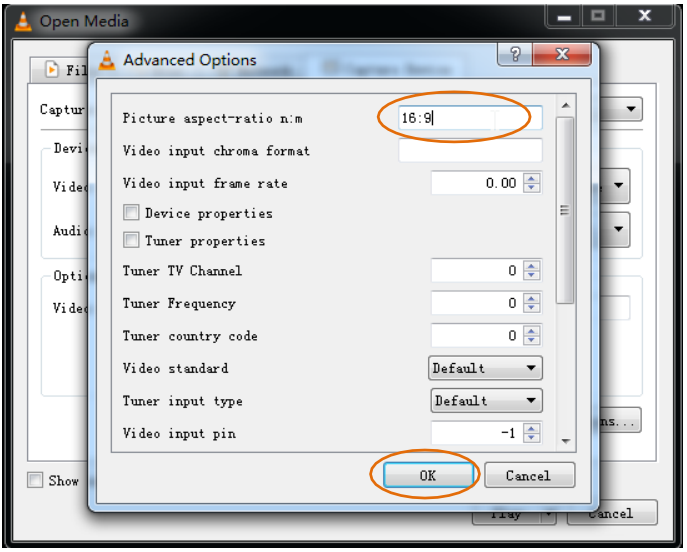
3. For audio device name, select “Microphone (USB3.0 HD Audio Capture)”.



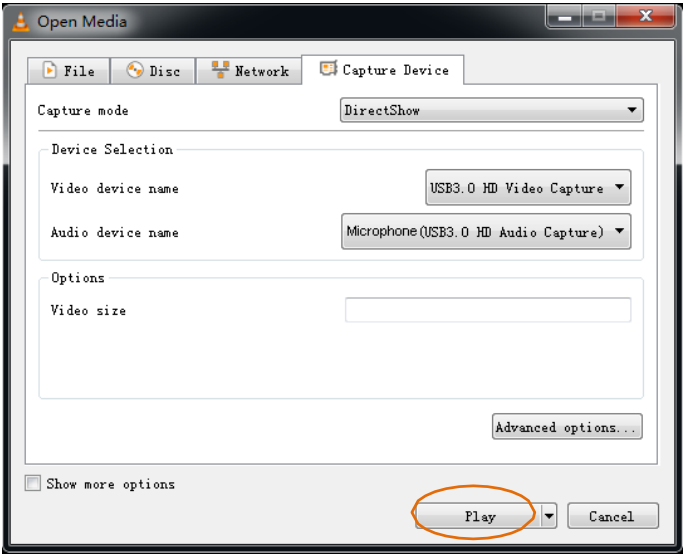
4. To set up the correct aspect ratio, click “Advanced options”.



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



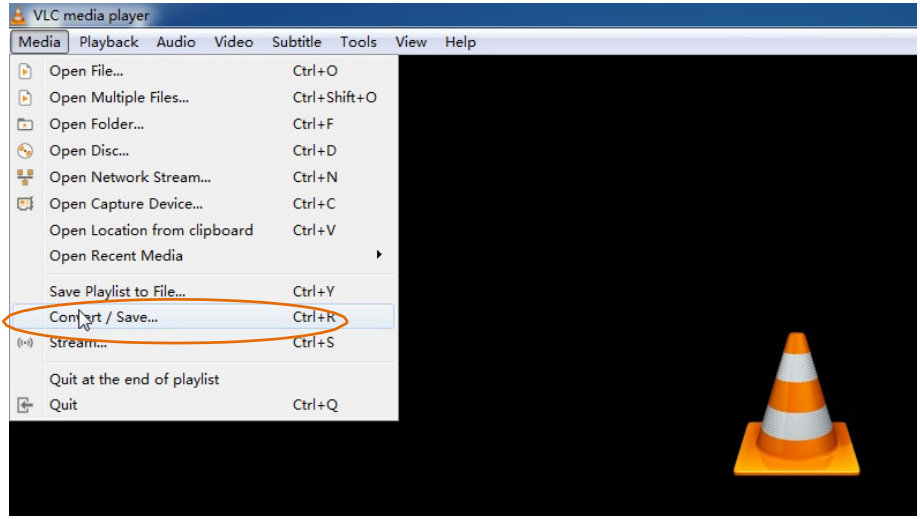
7. Click “Play”, the source screen will show in approximately several seconds.



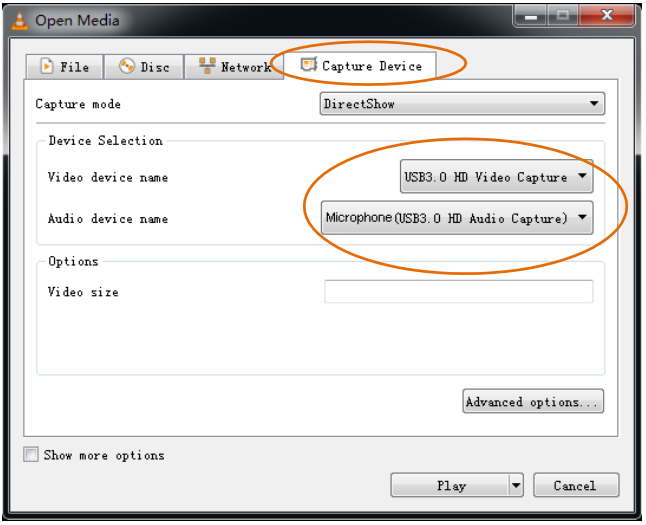
VLC Media Player Recording

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.

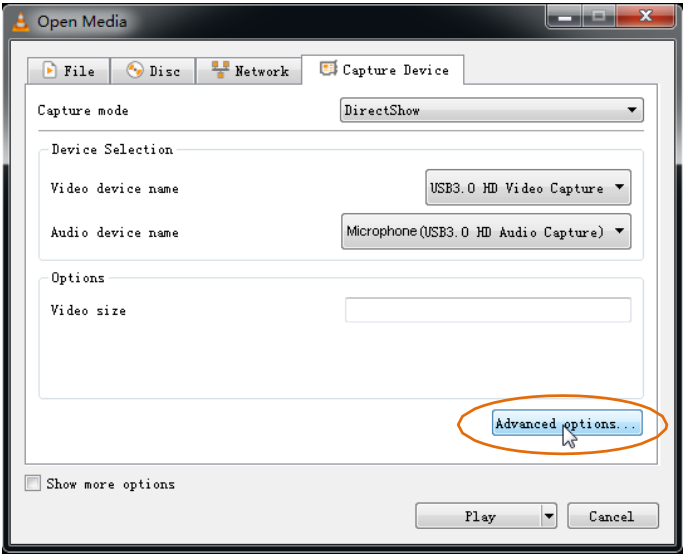


2. Click "Capture Device" tab on the top right side.

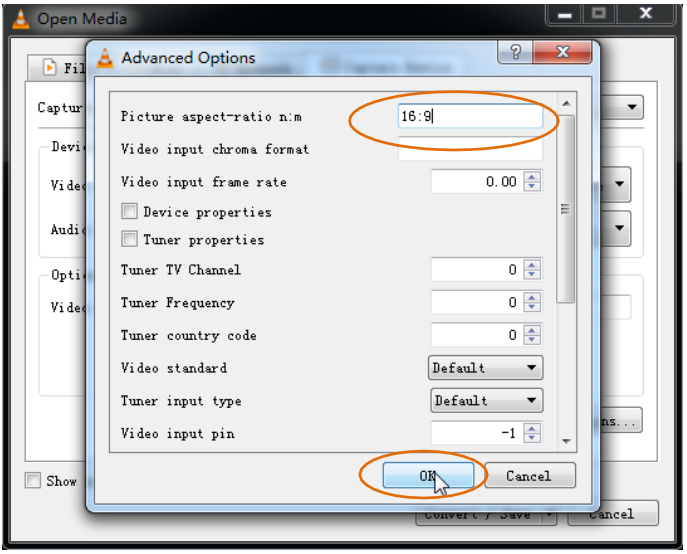


3. Video device name should be "USB3.0 HD Video Capture" and audio device name should be "Microphone (USB3.0 HD Audio Capture)".

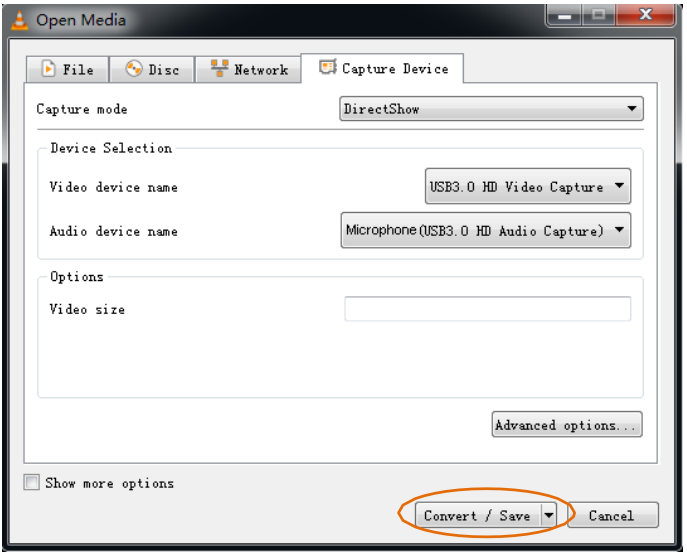
4. To set the aspect ratio, click “Advanced options”.



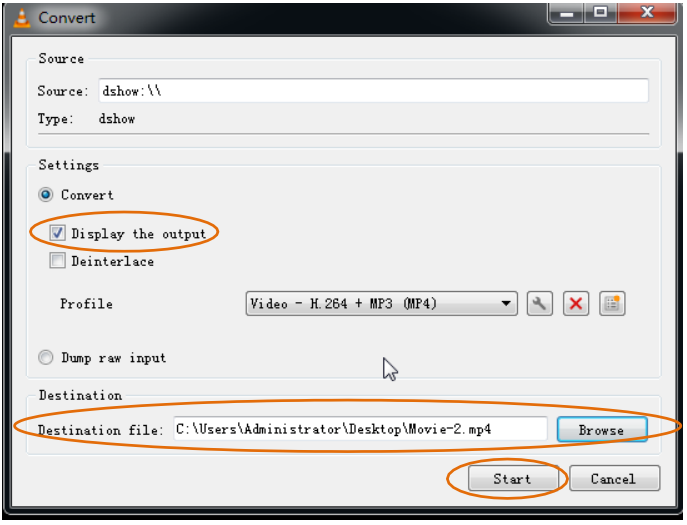
5. Enter the aspect ratio for the video source (e.g. 16:9).
6. Click “OK” to exit the “Advanced options” menu.



7. Click “Convert / Save”.

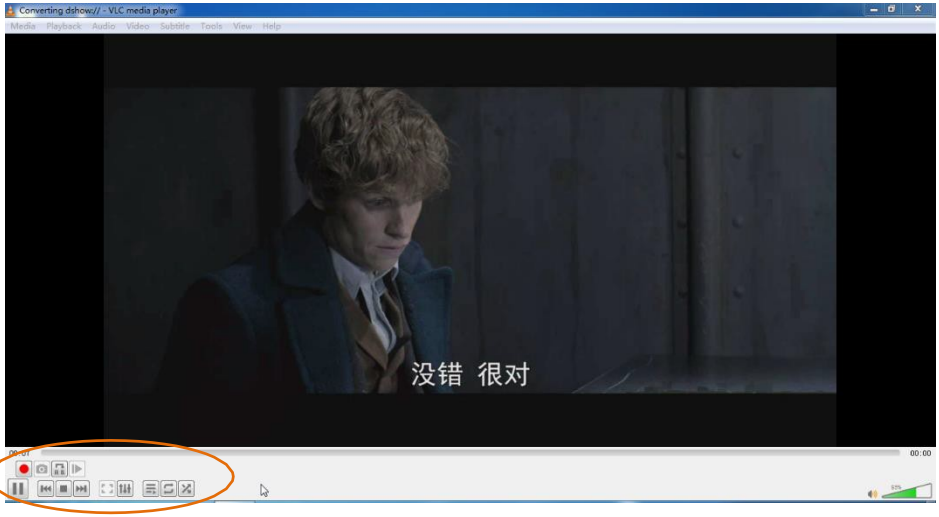


8. Select “Display the output” check-box, and then click “Browse” to choose where to save the destination file and enter the file name.



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.


Converting dshow:// - VLC media player
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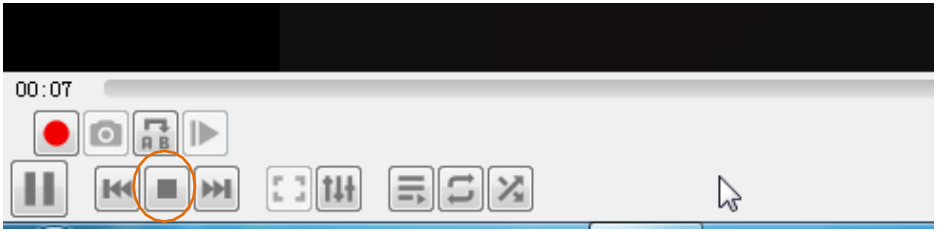
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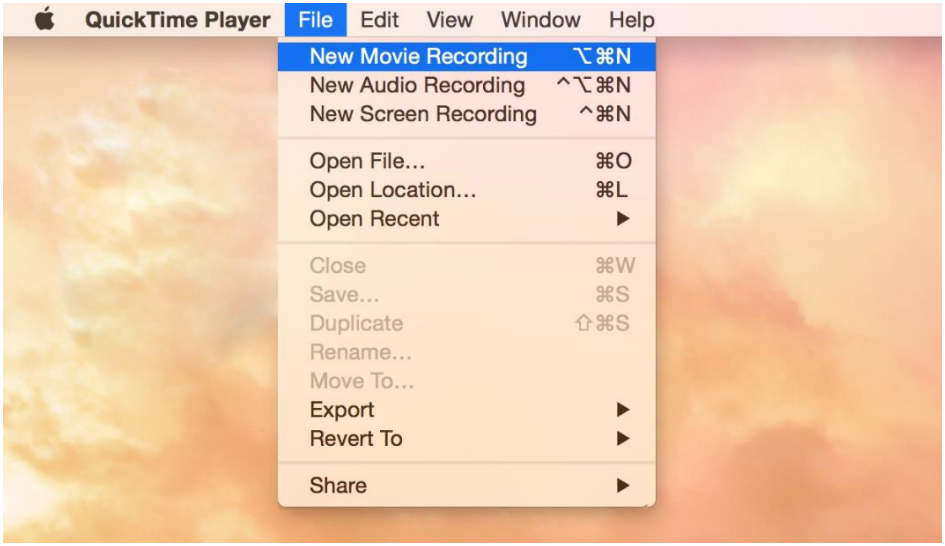
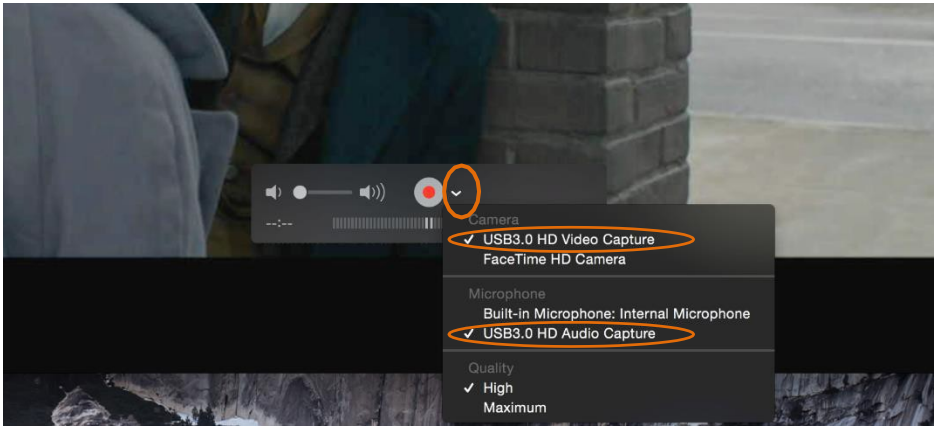
Recording for Mac using QuickTime

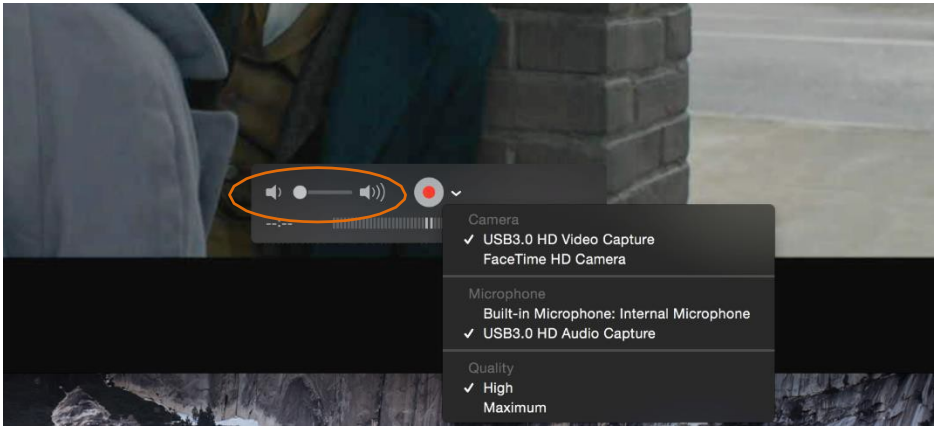
1. Launch QuickTime Player, click “File” at the top menu and select “New Movie Recording”.



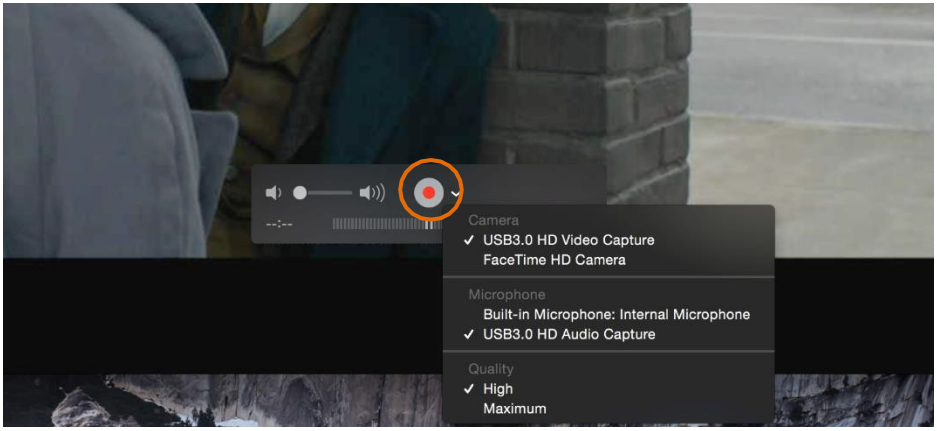
2. The recording control panel will appear on the screen, first click the “˅” symbol for the drop down menu.



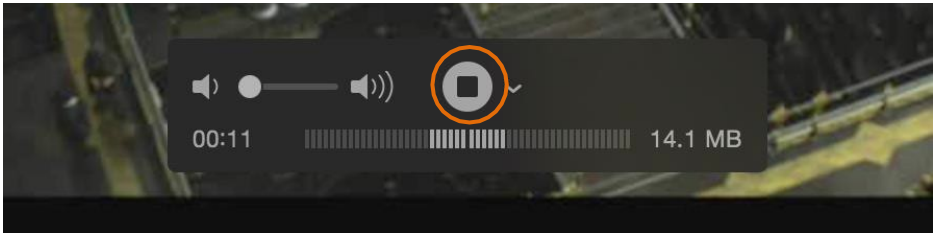
3. Select “USB3.0 HD Video Capture” under “Camera”, and select “USB3.0 HD Audio Capture” under “Microphone”. Then adjust to desired volume for the speaker.



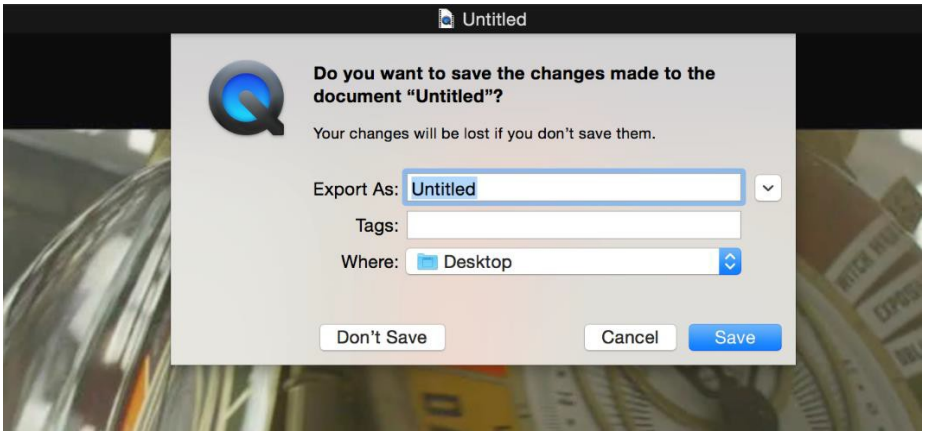
4. Click the “Record” button to start recording.



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



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



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™, and DTS-HD® Master Audio™ 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℃ (+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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