

U3H42 HD Video Capture

User Manual

Thanks for purchasing U3H42 HD gaming streaming. The following guides you how to set up. Hope this device will bring you nice digital experience.

With U3H42 Full HD 1080 60 game capture, just plug to your PC (Windows, Mac, Linux),no need install driver, you can use any 3rd party software to capture or stream your HD game, or other HD video source.

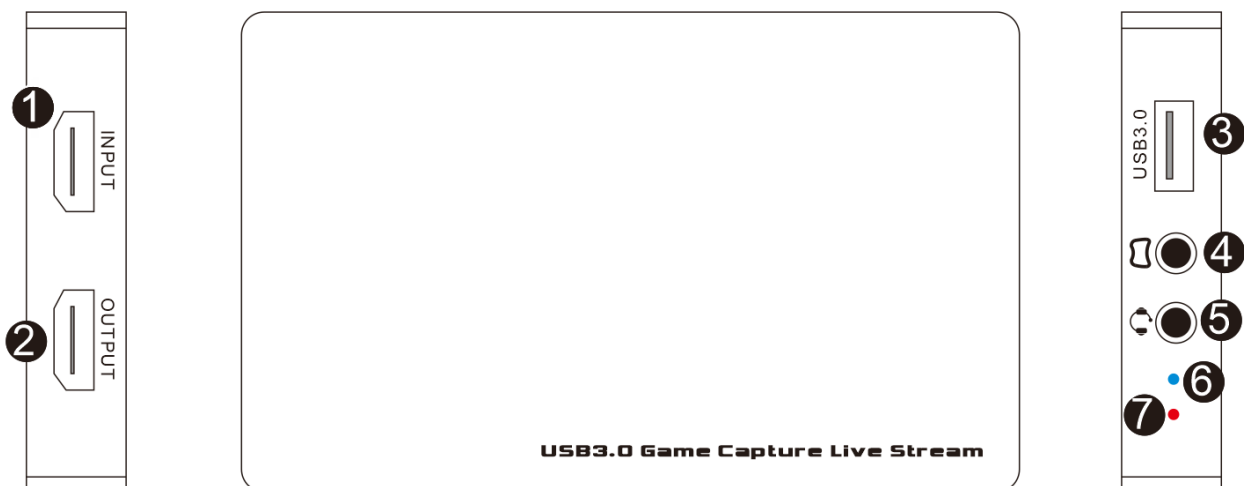
U3H42 support 4K/60p HDMI in and Output, and capture/live stream HD video up to 1080/60p.

With gamepad audio input, and microphone input, player can record (streaming) team chat.

It also can be used as a screen sharing device for internet meeting, easily sharing presenting slides, spreadsheets, documents, and video recordings into online meetings.

Features:

U3H42



1. INPUT – Connect video source with HDMI cable

2. OUTPUT – Connect to TV/monitor with HDMI cable

3. USB3.0 – Connect to computer with USB3.0 cable

4.Gamepad –Connect from gamepad audio output with 3.5mm audio cable

5.Headset – Connect a headset or any mobile phone's earphone, with earphone output and microphone input

6 Blue LED – Keep on when HDMI input connected

7 Red LED – Power and status, keep on when power on, flash when working

Work on windows

Work with OBS Studio:

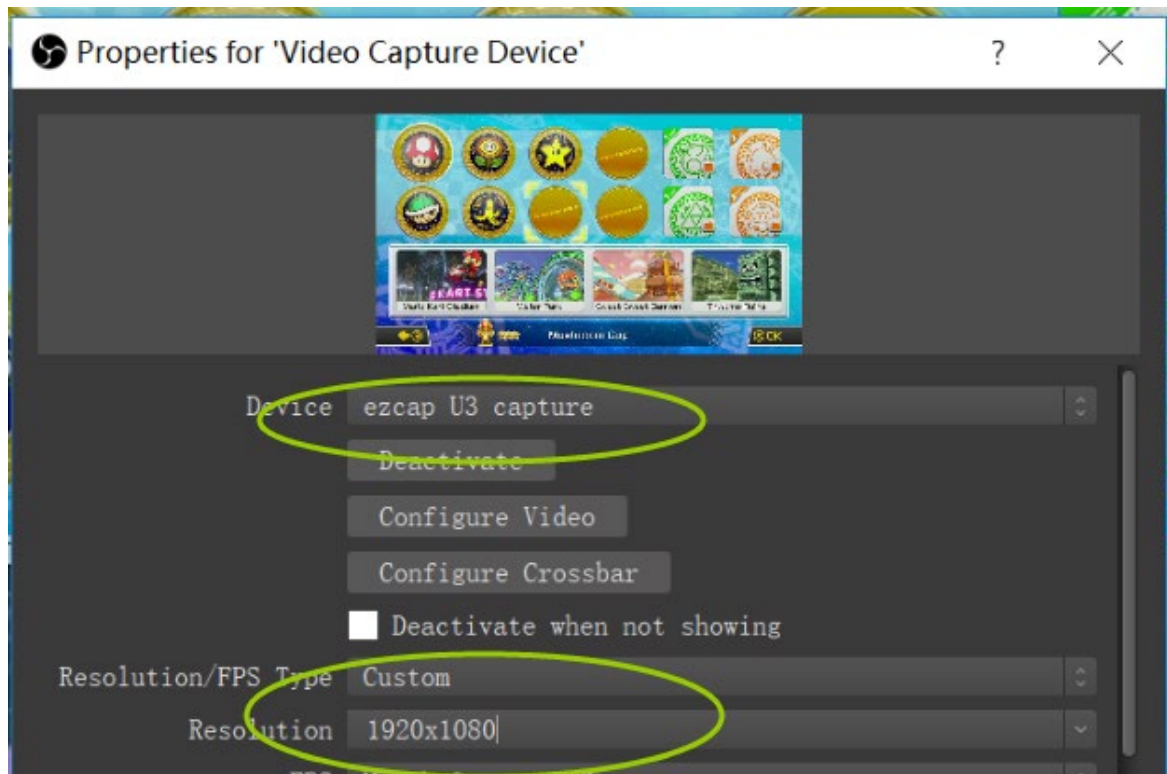
1, Go to obsproject.com/download to download OBS Studio according to your computer's operating system, and install it on your computer.

Connect **U3H42** to computer with USB3.0 cable, and connect video source with HDMI cable. Windows will install the driver automatically, and you will see " U3 capture" in device manager . Connect the output to TV monitor with HDMI cable if you need.

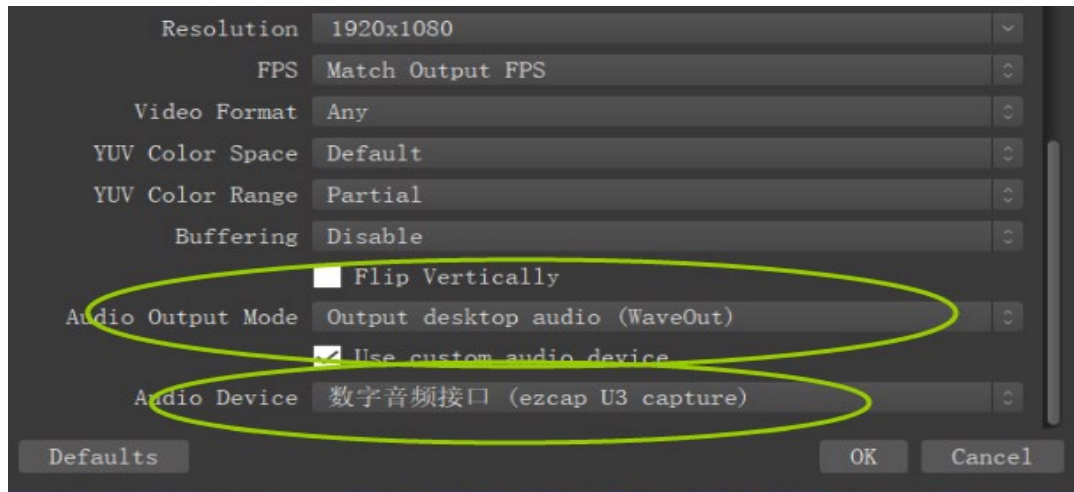
2, The device with gamepad audio input port (port "4"), connect to gamepad audio output if you want record the team chat.

3, The headset port (port "5") for connect a game headset (TRRS) , or a mobile phone's earphone set so can get the audio out and same time Microphone input if you want.

4, Run OBS Studio, Click "+" icon under "Sources" window, and select "Video Capture Device", then select "ezcap U3 capture" in the drop box next to "Device":

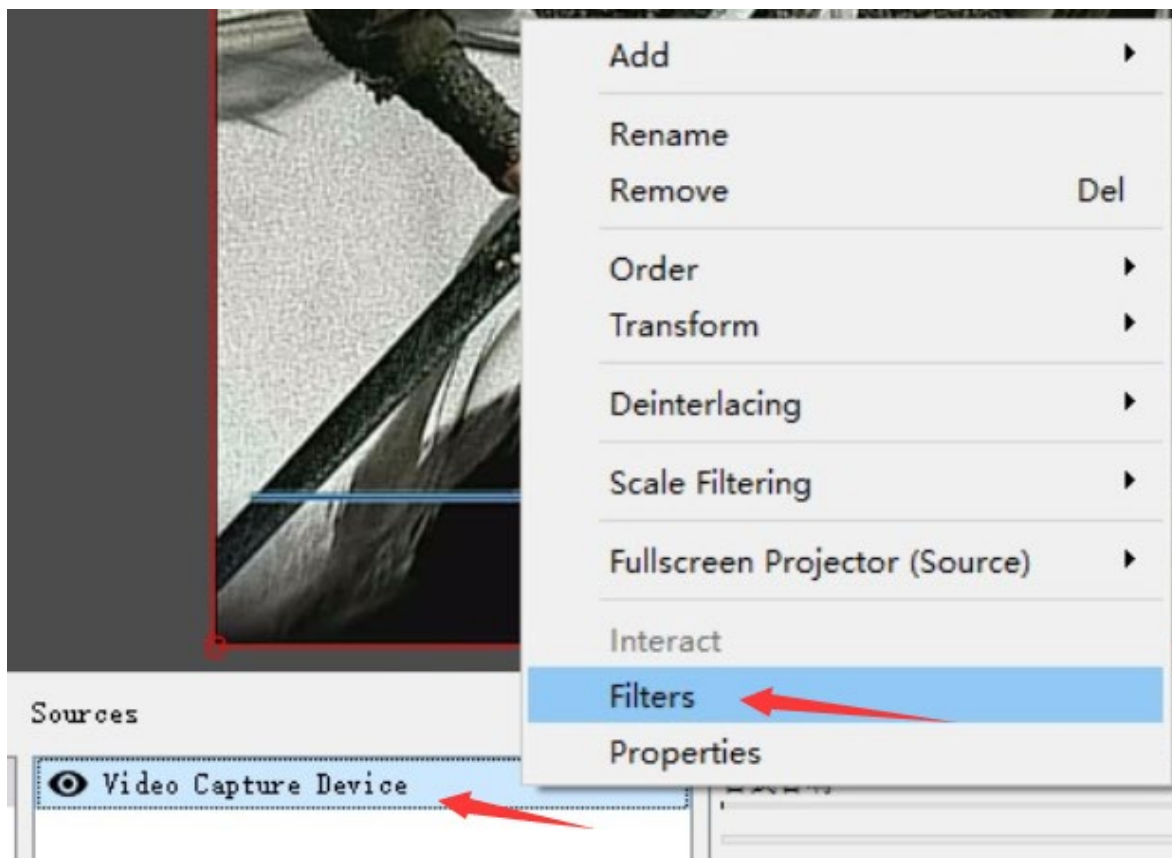


5, At Set Audio Output Mode to “Output desktop audio (WaveOut), Audio Device to “ezcap U3 capture”:

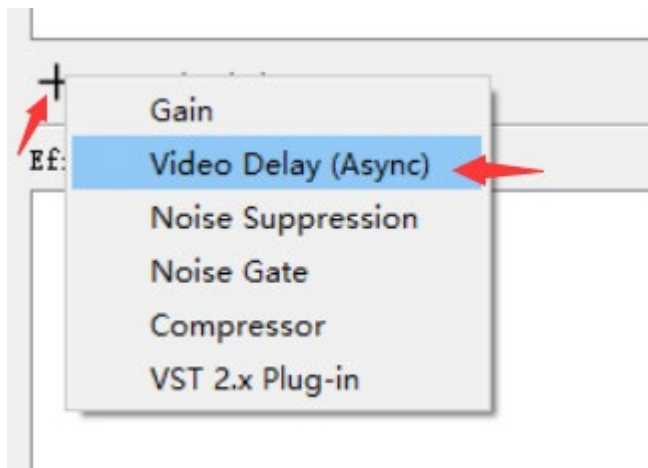


6, Set the video latency for make the audio and video synchronized:

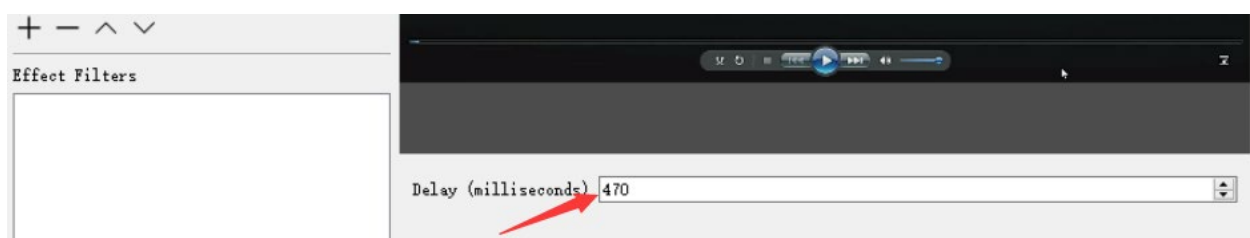
1) Right click "Video Capture Device" then click "Filters":



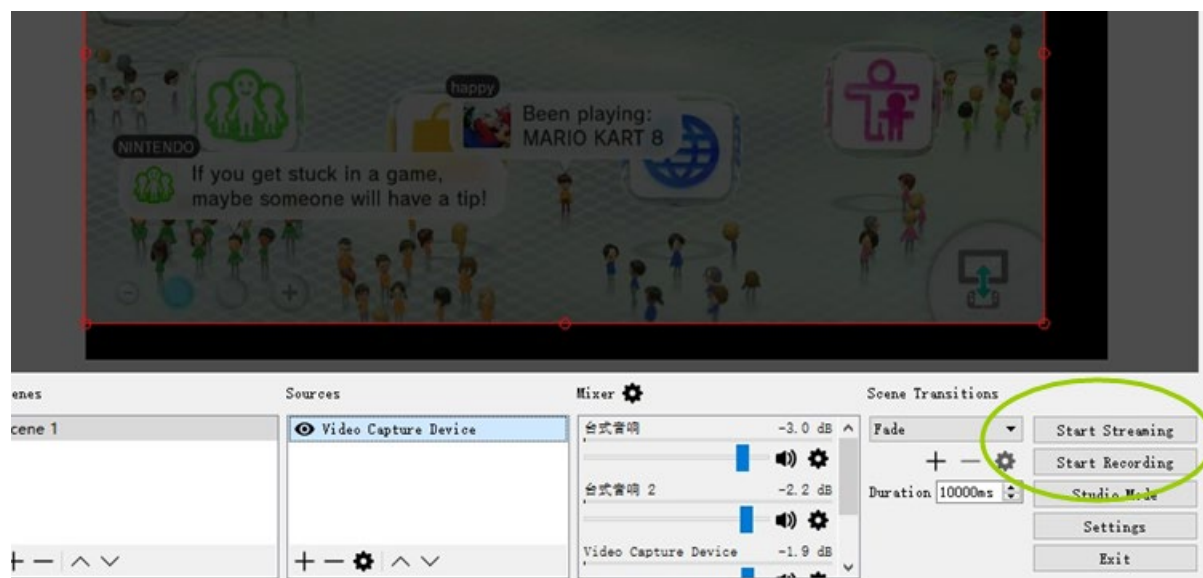
2) Click to add "Video Delay (Async)" :



3) Set it to 470ms (You can adjust it smaller or bigger until you found the audio and video synchronized):

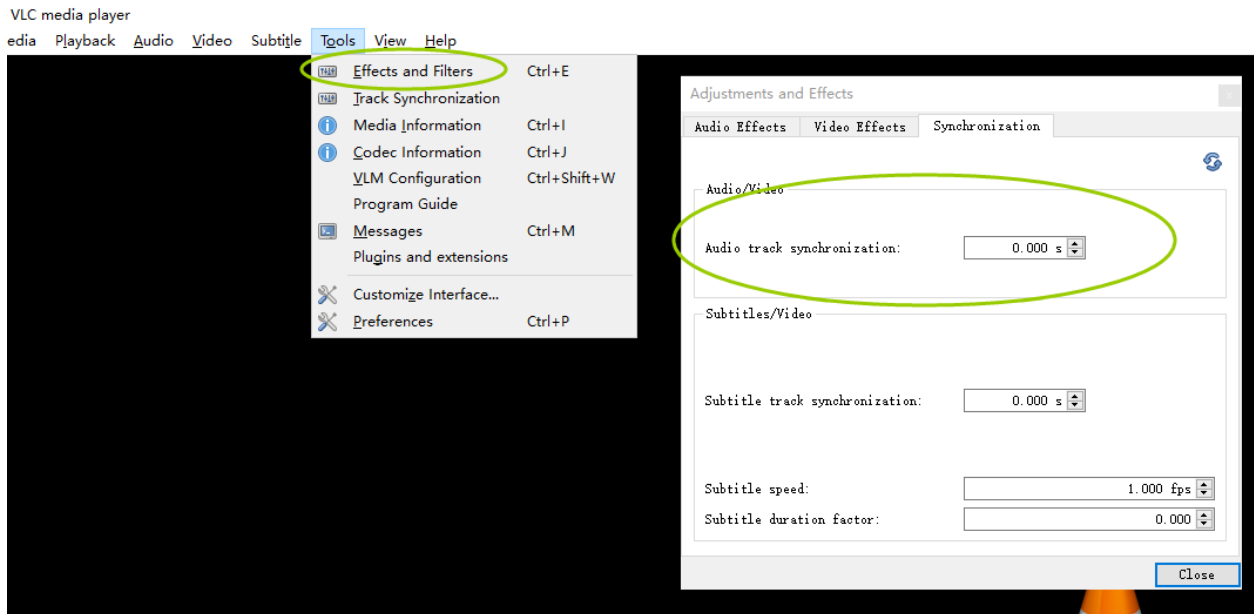


7, Then you can recording or streaming video:

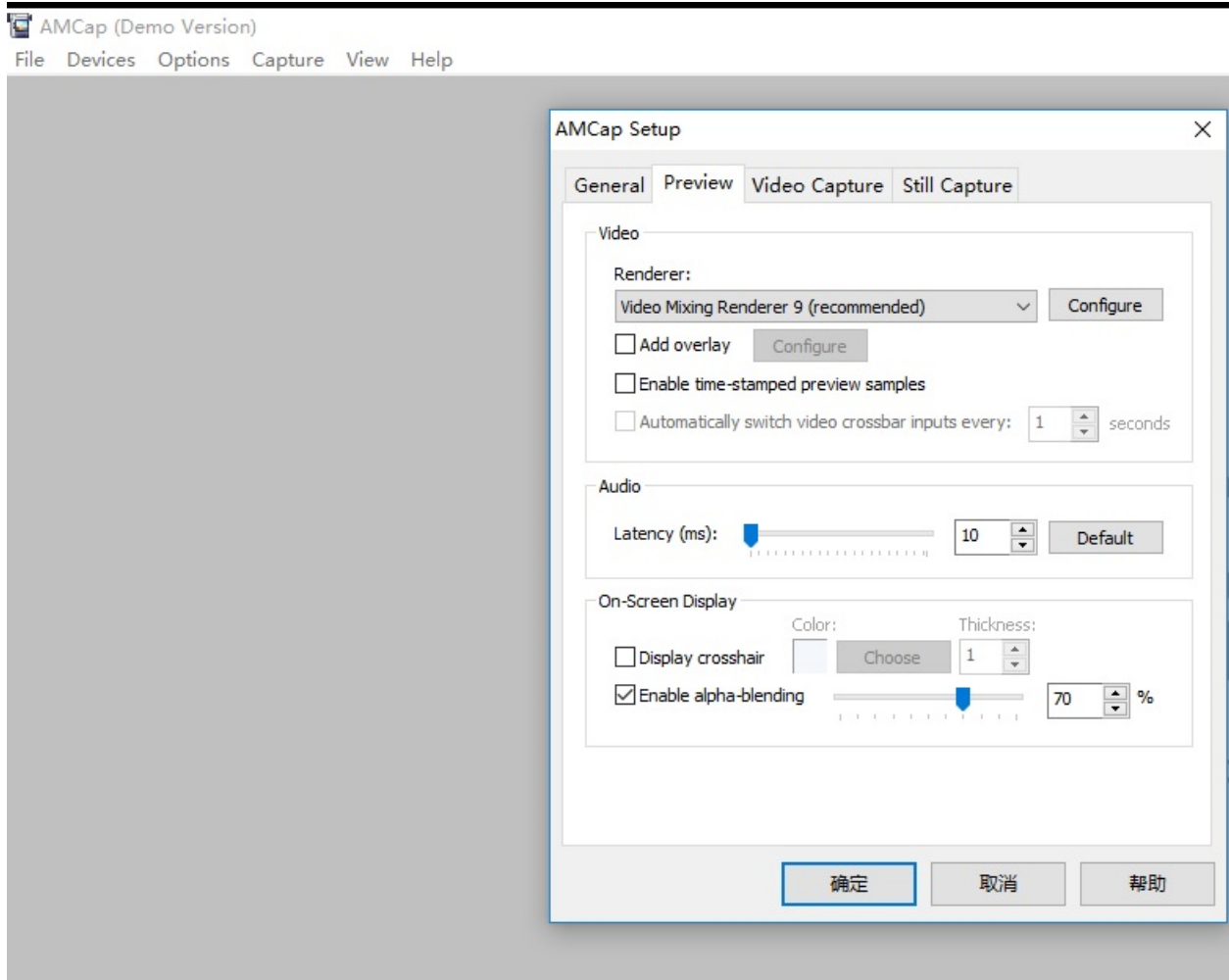


For other applications may also need setting for synchronous problem:

On VLC: Tools—Effects and Filters—Synchronization then adjust the delay value of Audio track synchronization, till audio video synchronous:



On Amcap, Capture---Setup----Preview, set the Audio latency (normally to 10ms):



Work with other applications (e.g. VLC, Media encoder, Protplayer...):

Just run the application then choose capture device to "ezcap U3 capture".

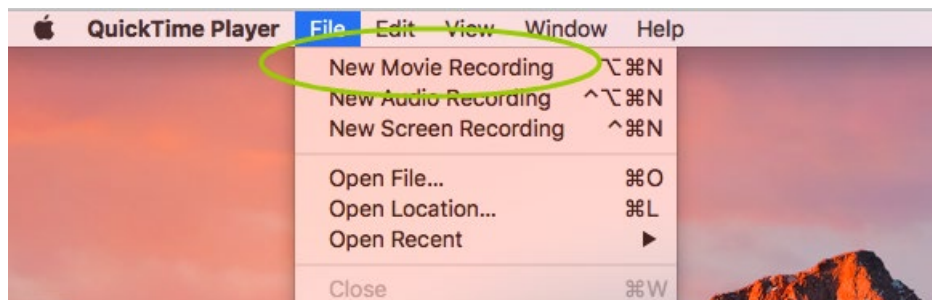
Work on MAC:

Work with OBS Studio:

Download and install OBS studio, then do the same as above on windows.

Work with QuickTime Player:

1, Run QuickTime player, select “New Movie Recording”:



2, Choose “ezcap U3 capture” under Camera and Microphone option:



Work on Linux:

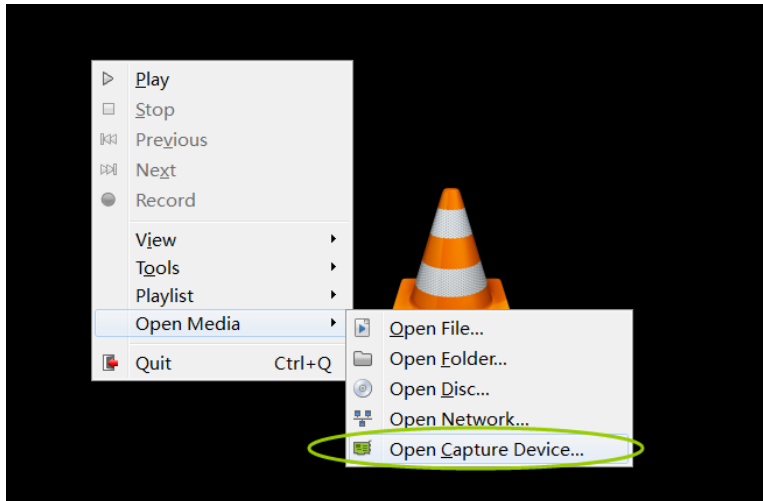
Work with OBS Studio:

Download and install OBS studio, then do the same as above on windows.

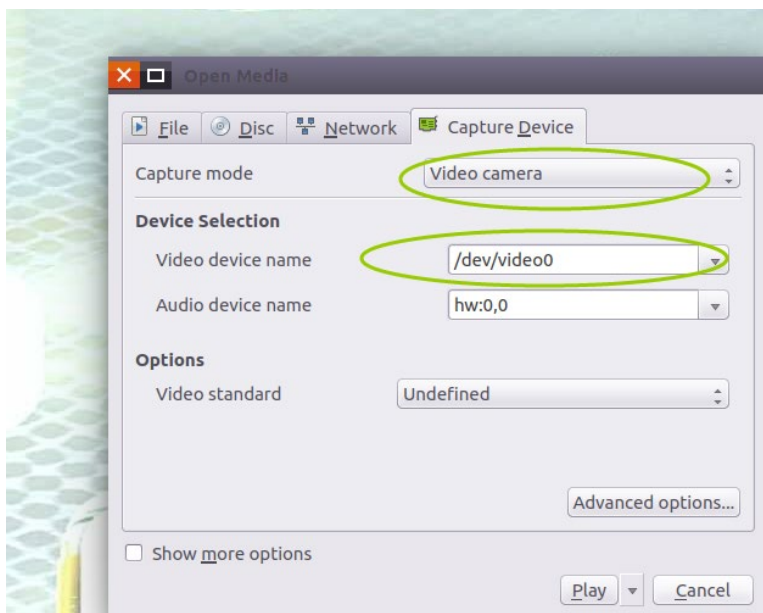
(note: Your Linux should meet OBS requirements)

Work with OBS VLC (shows example for Ubuntu):

1, Right click on window, select “Open Capture Device”:



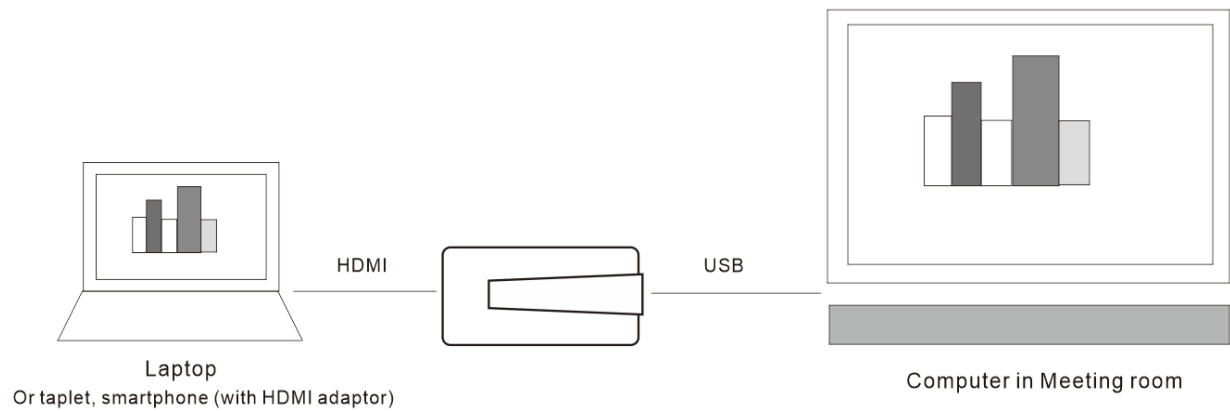
2, Choose “Video camera” ---“/dev/video0” then click “play”



Using as screen sharing for online meeting:

1, First install a application and set it as above (OBS, VLC, etc) on the computer which for meeting (with online meeting App installed, e.g.: Zoom, Skype for Business, WebEx, BlueJeans)

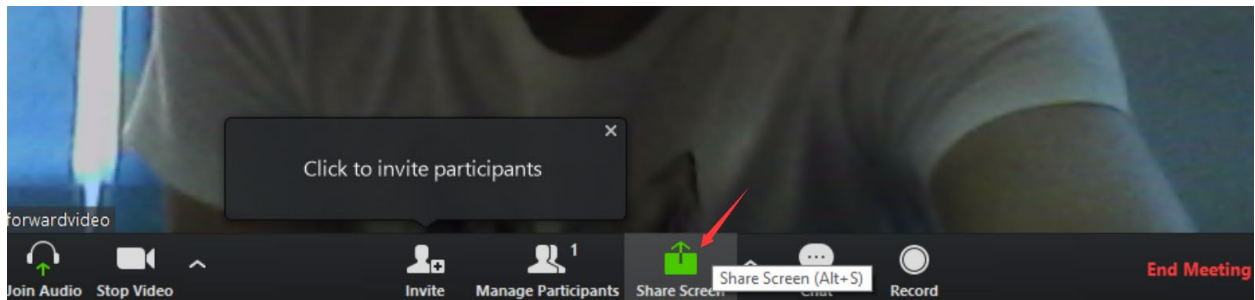
2, Connect the contents laptop via HDMI cable to ezc269, then USB cable to meeting computer:



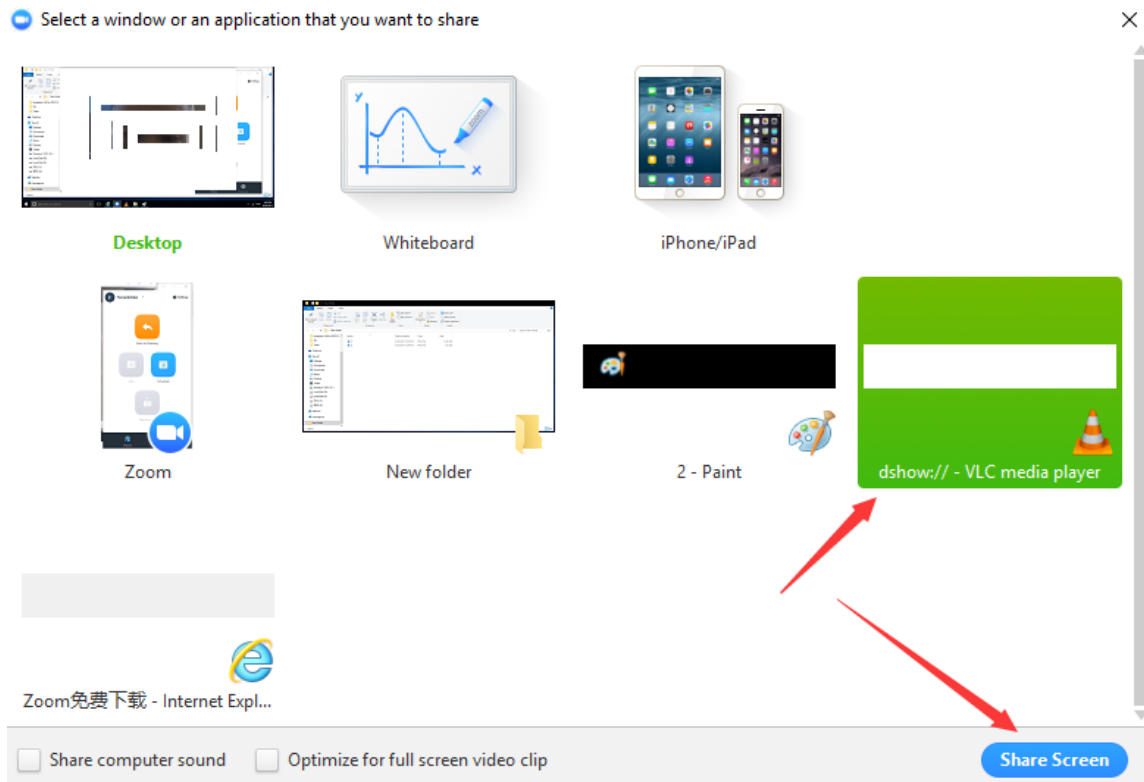
Show example for meeting App “Zoom”:

Use VLC (or other application as mentioned above) open the ezcap U3 capture and get the video of the contents laptop (see the manual above)

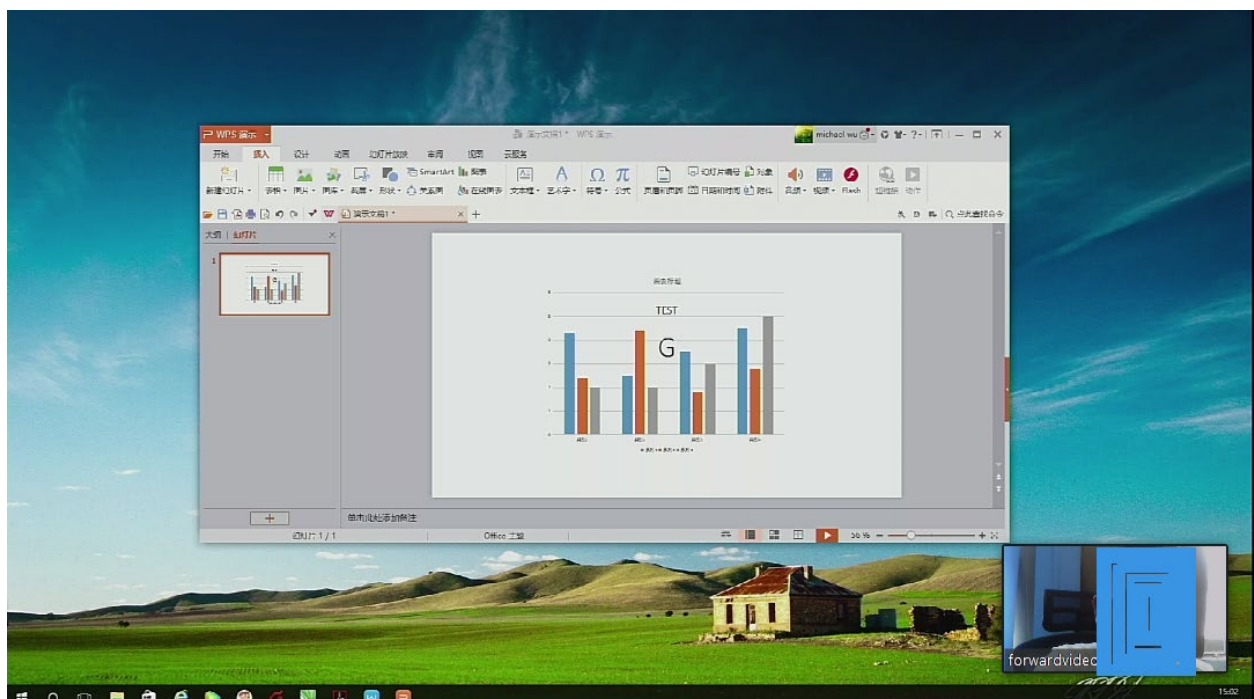
At meeting interface, click “Share Screen”:



Select “VLC Media Player” (or other application you just opened), then click “Share Screen”:



The contents and presenter shows in same time:



Specifications:

Connections

Interface	USB 3.0
Video Input	HDMI
Audio Input	HDMI, Line In (TRRS cable), Microphone In (TRRS CTIA or OMTP)
Video Output	HDMI
Audio Output	HDMI, earphone Out (TRRS CTIA or OMTP)

Hardware Extra

Dimensions	117*72*15.5MM
Weight	168g

Package Contents

Device	U3H42
Others	USB3.0 cable, manual, 3.5mm audio cable

Standards

System Requirement	Windows 7,8,10, OS X 10.9 or later, Linux. PC: Intel Core i5-3400 + NVIDIA GT630, NB: Intel Core i7-3537U 2.0 GHz + NVIDIA GT735, Mac: i5 quad-core or above, VGA card supporting DirectX 10, Sound
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	card, 4GB RAM, Powered USB 3.0 port: Intel chipset with native USB 3.0 host controller (Renesas, Fresco ...)
Resolution	720 x 480 (60p), 720 x 576 (50p), 1280 x 720p (50p), 1280 x 720p(60p), 1920 x 1080 (50i), 1920 x 1080 (60i), 1920 x 1080 (24p), 1920 x 1080 (25p), 1920 x 1080 (30p), 1920 x 1080 (50p), 1920 x 1080 (60p). 3840*2160(30/60p) (input and by pass)
Software compatibility:	OBS Studio (windows,OS X); Windows Media Encoder (Windows); Adobe Flash Media Live -Encoder (Windows, OS X); Real Producer Plus (Windows); VLC (Windows, OS X, Linux); QuickTime Broadcaster (OS X); QuickTime Player (OS X); Wirecast (Windows,OS X); vMix(Windows); Potplayer(Windows)and etc.
Development interface compatibility:	DirectShow (Windows), DirectSound (Windows),V4L2 (Linux), ALSA (Linux) OS X (QuickTime)
Record Quality	Max 1080P 60fps