

# UOEE USB3.0

## Game Video Capture User Manual





Thanks for purchasing UCEC USB3.0 HD Game Video Capture Device. The following guides you how to set up. Hope this device will bring you nice digital experience.

Easy to use, 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 and other HD video source.

Full HD 1080p60 video capture, It allows inputting 4K 30 HDMI signal, capture 1080p60 video and 4k30 pass-through. It also can be used as a screen sharing device for internet meetings, easily sharing presenting slides, spreadsheets, documents, and video recordings into online meetings.

## Package List

- UCEC USB3.0 HD Video Capture
- USB3.0 Cable
- Extra HDMI Cable(Free Gift)
- USB 3.0 Type-C Cable
- Quick Start Guide

## NOTE:

UCEC provides 24-hour technical support. Please feel free to contact us if you have any questions. If you are not satisfied with our products, UCEC offers 30-day money-back guarantee.

## CONTACT US:

- ◆ Send the message to us by your **order detail page**.
- ◆ Or send your Email to this address : **yelpdeal@qq.com** (Reply as soon as possible)

Our goal is to bring you the best shopping experience on Amazon. We'd really appreciate it if you can share your experience with our product on Amazon

**Features:**

1. USB3.0 port – To connect to computer via USB3.0 cable.
2. LED – Will be on while USB3.0 cable is connected with computer.
3. HDMI input port – Connect video source with HDMI cable(Free Gift).
4. HDMI output port – Connect to TV or monitor to show video, not necessary for capturing.
5. LINE IN port(3.5mm TRS) – It can stream or record party chat and gameplay audio. Support 3.5mm TRS headphones/earphones to add your voice to live or recorded video.

**Note:**

- Please connect video source into the game capture device after you connect it to your computer.
- When you use it with TYPE-C to USB connector or cable, and can't find the device with software, please adjust the TYPE-C's direction.

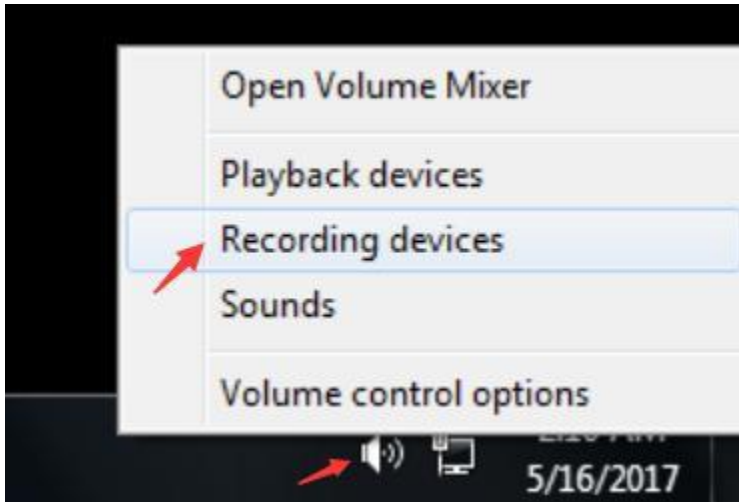
**USB3.0 HD Video Capture**

## OPERATION ON WINDOWS

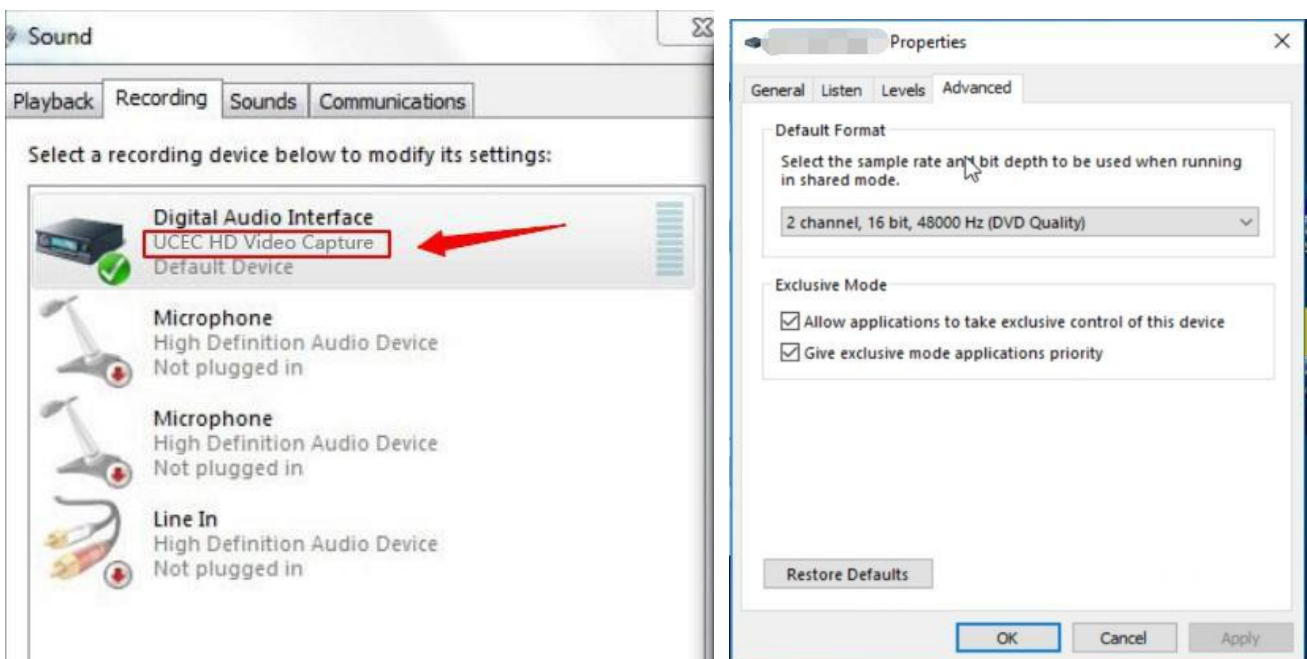
Firstly, set the audio capture sample rate :

**Note:** It is an important setting, otherwise will caused the bad audio quality

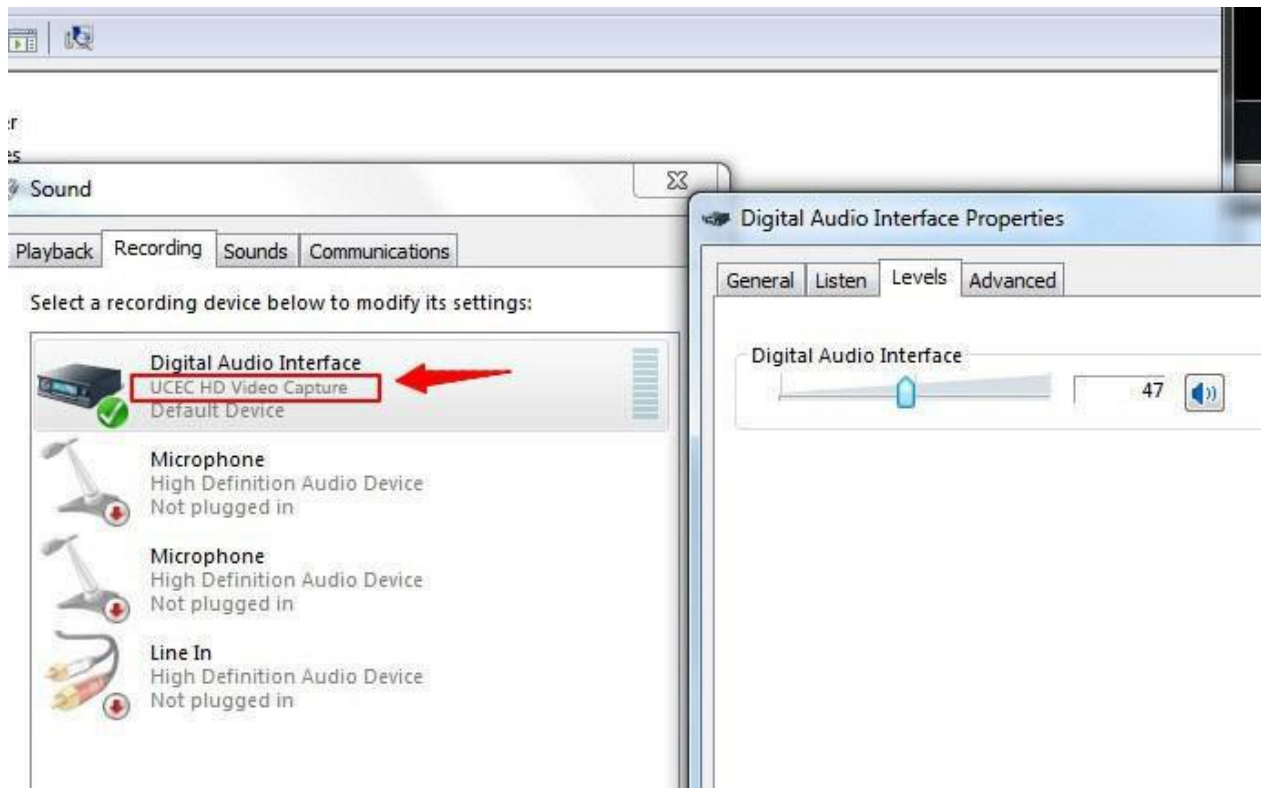
1. After connect the device to computer, right click on “Speaker” of your computer, choose “Recording devices”



2. Double click “UCEC HD Video Capture”---- At “Advanced” choose the sample rate to “2 channel 16 bit, 48000 Hz (DVD Quality)” --Note: Most of all, set to 48000Hz will get nice sound. In case not, and the sound with noise and skip, it means your video source is 44100hz or 32000hz, then you need set here to 44100 or 32000 to make your sound without noise



3. If need adjust the input audio level, or if no audio input, at “Levels” , set the value:

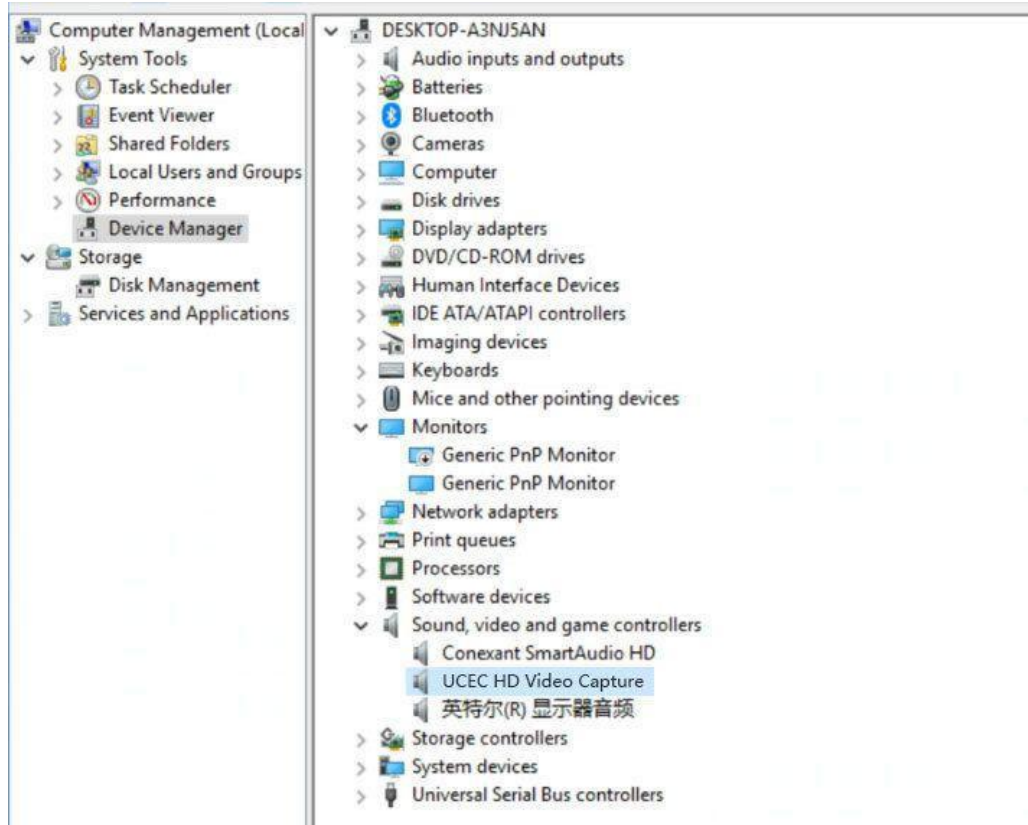


## **Work with OBS Studio:**

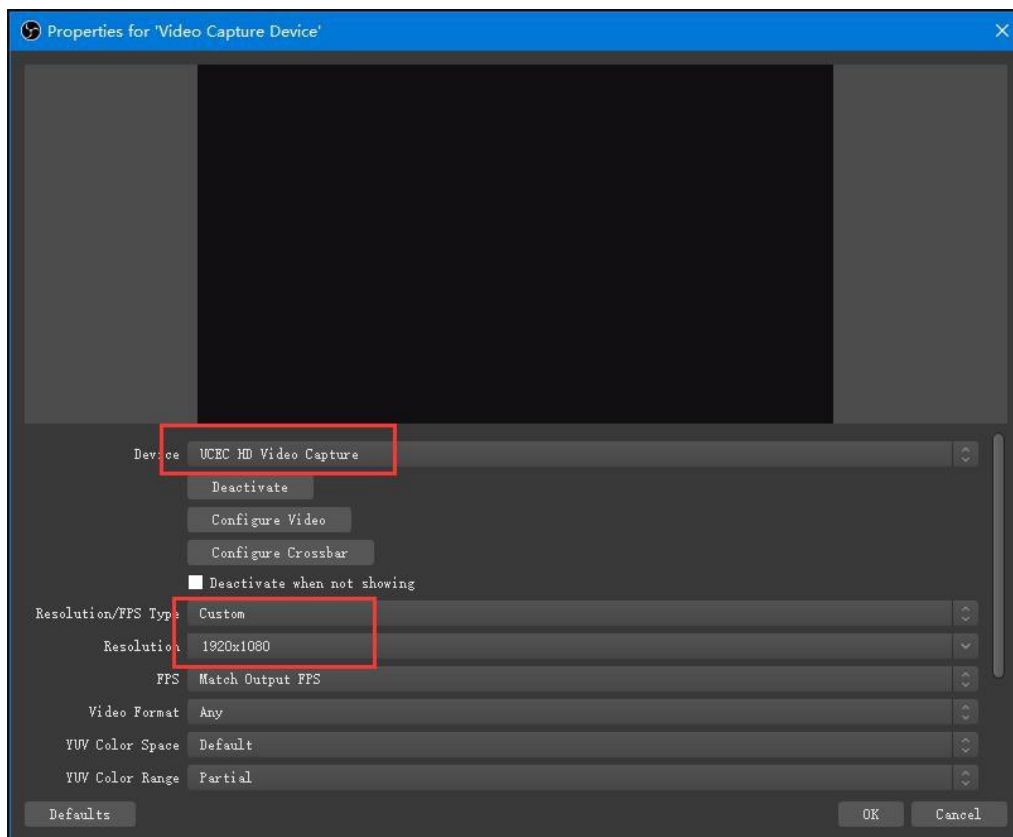
1, Go to [obsproject.com/download](https://obsproject.com/download) to download OBS Studio according to your computer's operating system, and install it on your computer.

Connect this game capture to computer with USB3.0 cable, and connect video source with HDMI cable. **Windows will install the driver automatically, and you will see “UCEC HD Video Capture” in device manager.** (Beside, you can connect the output to TV monitor with HDMI cable if you need.)

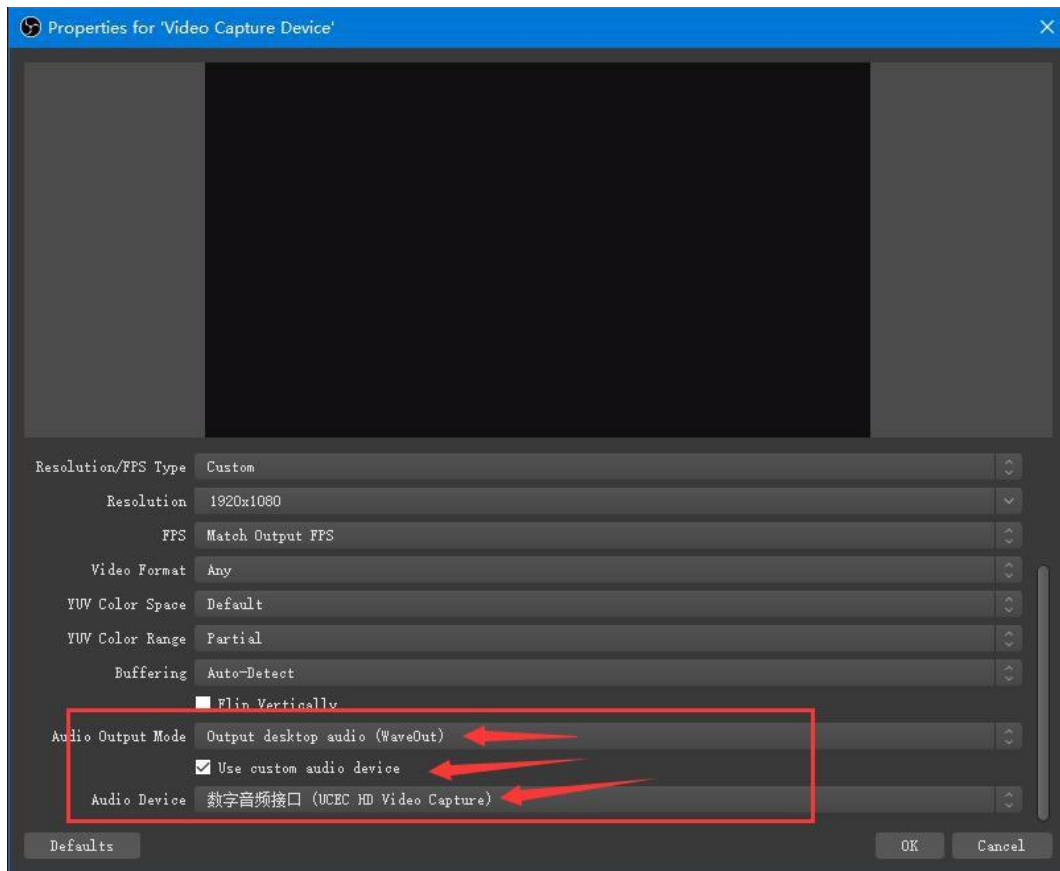




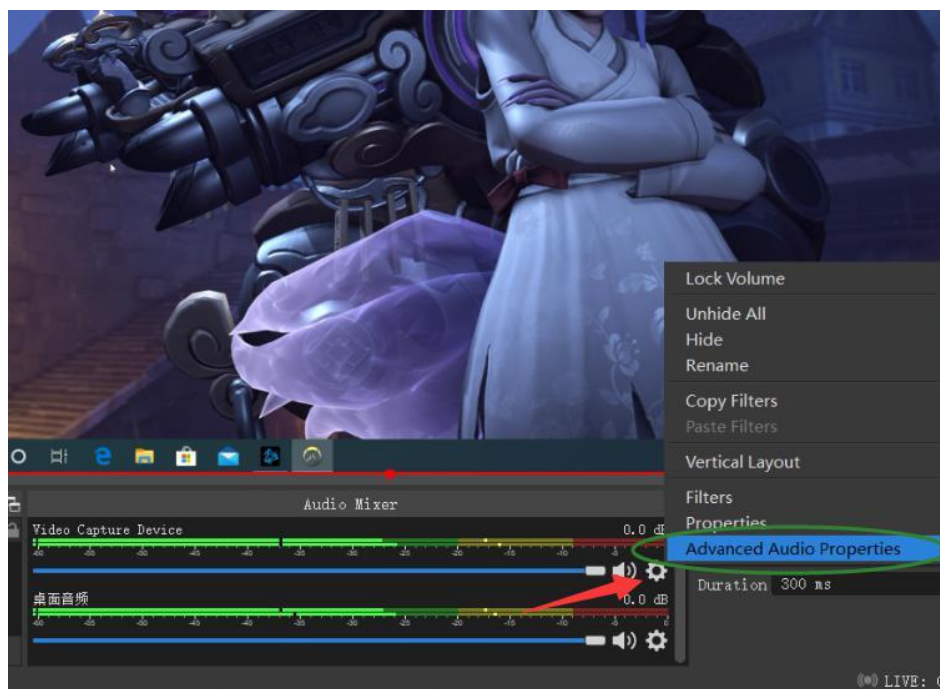
2, Run OBS Studio, Click “+” icon under “Sources” window, and select “Video Capture Device”, then **select “UCEC HD Video Capture ” in the drop box next to “Device”**. Second, You need to choose “**Custom**” in Resolution/FPS Type. And **1920\*1080** resolution.



3, In Audio Output Mode, you need to choose “Output desktop audio (WaveOut)”. In Audio Device, you need to choose “UCEC HD Video Capture”.

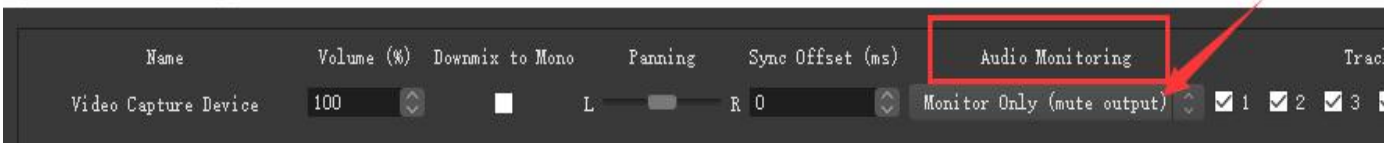


4, Set the video latency for make the audio and video synchronized:  
1) Click Settings, then click “Advanced Audio Properties”



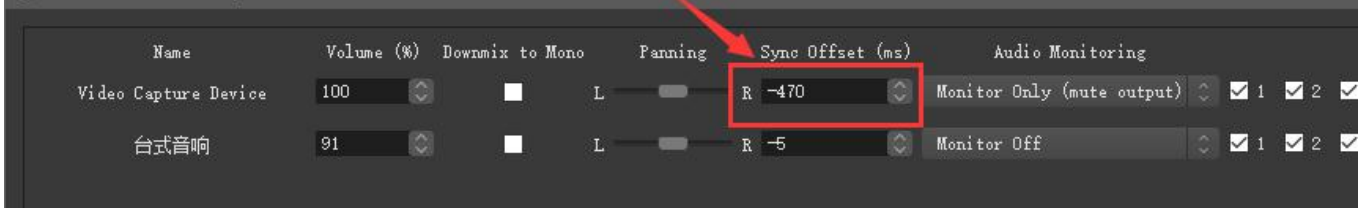
## 2)Audio Monitoring: “Monitor Only (mute output)”

Advanced Audio Properties

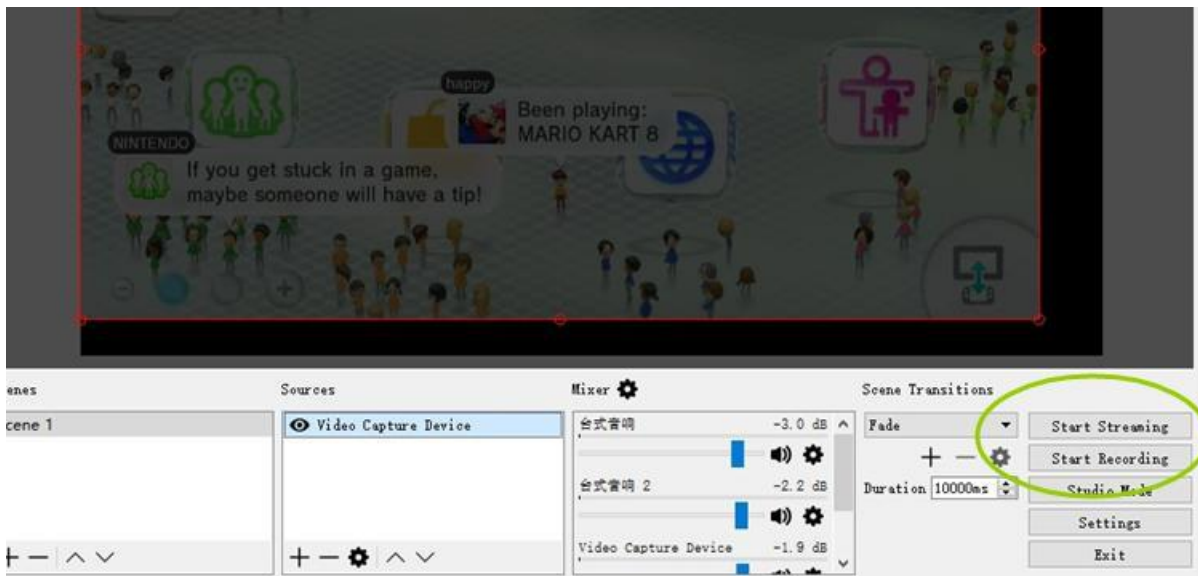


3)Sync offset: - 470ms (this is for audio and video sync; you can adjust it till your audio video is synchronous)

Advanced Audio Properties



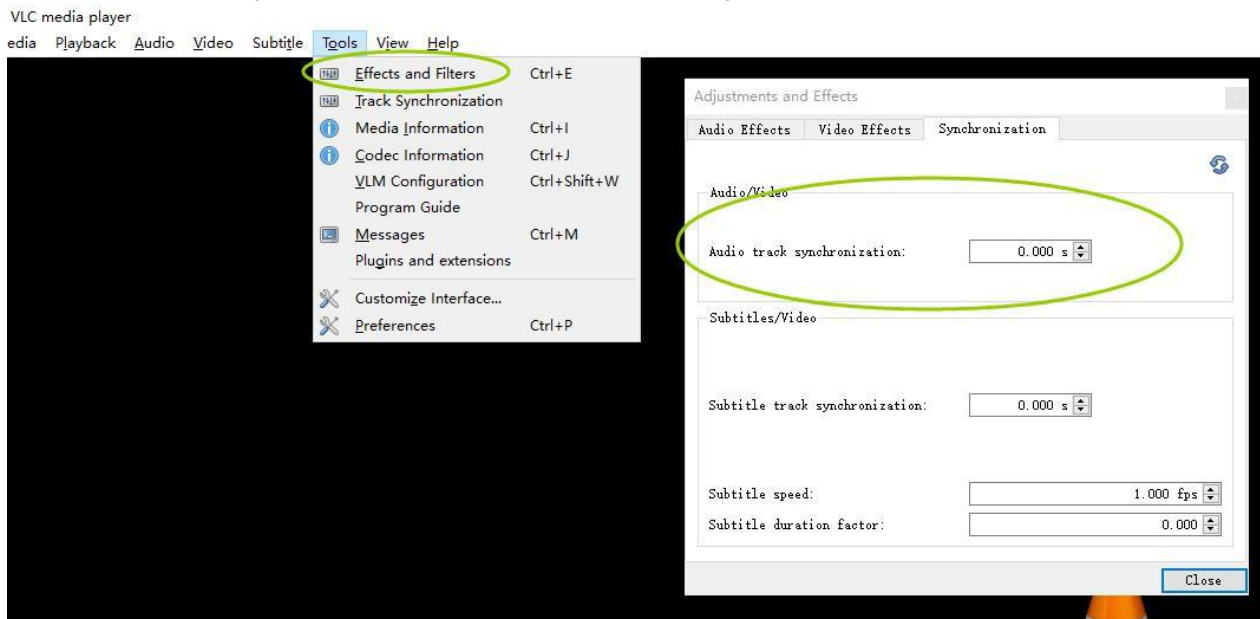
4)Then you can recording or streaming video:



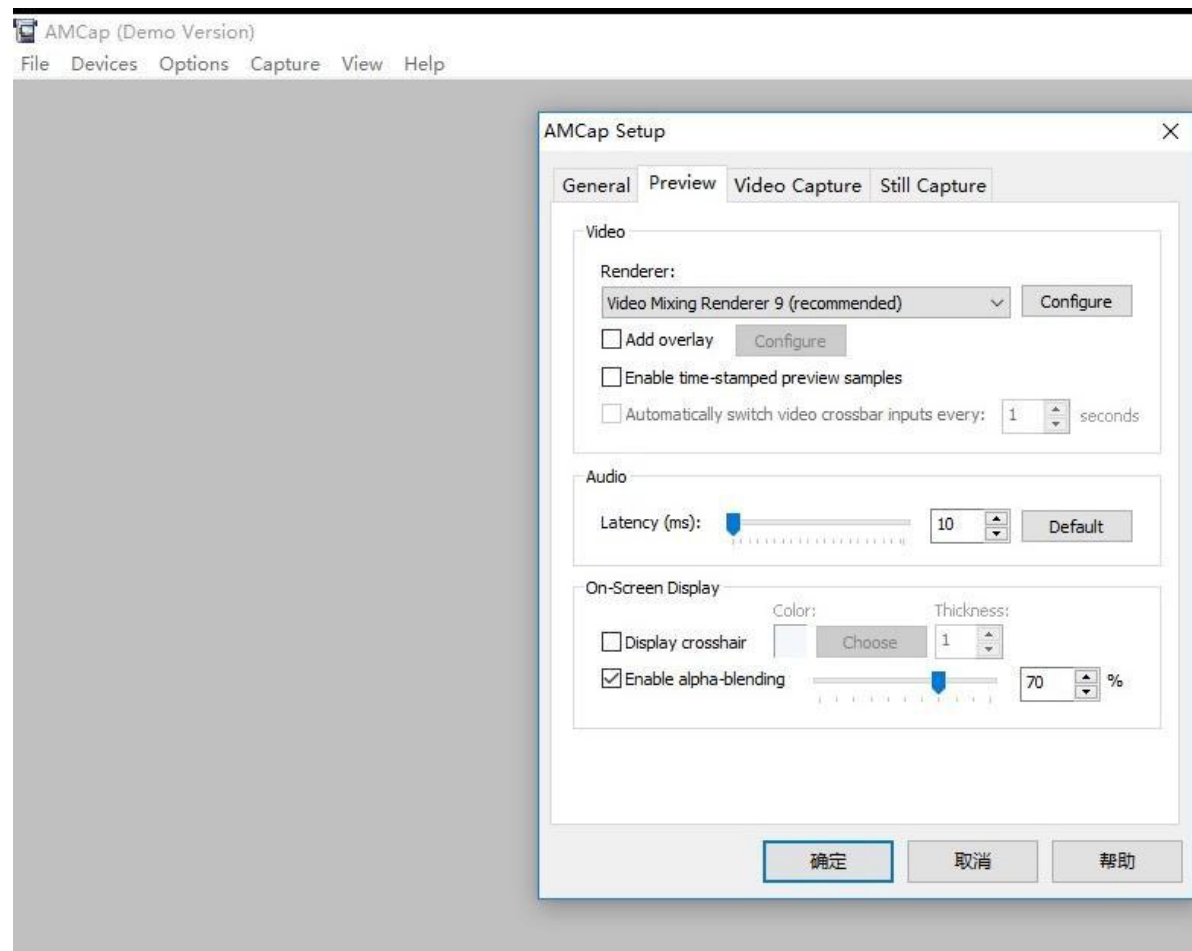


5, For other applications may also need setting for synchronous problem:

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



6, On Amcap, Capture---Setup----Preview, set the Audio latency (normally to 10m



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

Just run the application then choose capture device to “UCEC HD Video Capture” .

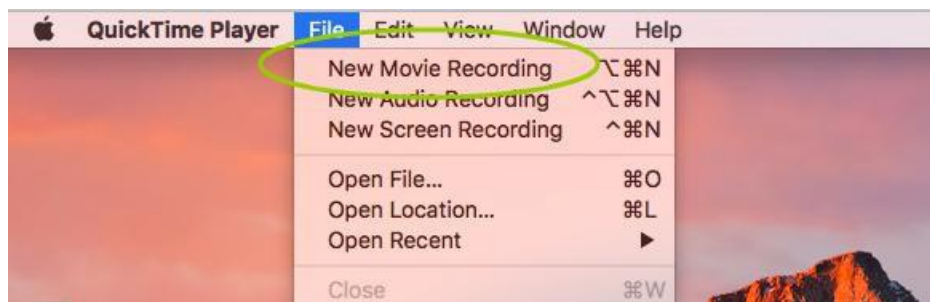
## OPERATION ON MAC:

### Work with OBS Studio:

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

### Work with Quick Time Player:

1, Run Quick Time player, select “New Movie Recording” :



2, Choose “UCEC HD Video Capture” under both of Camera and Microphone option:



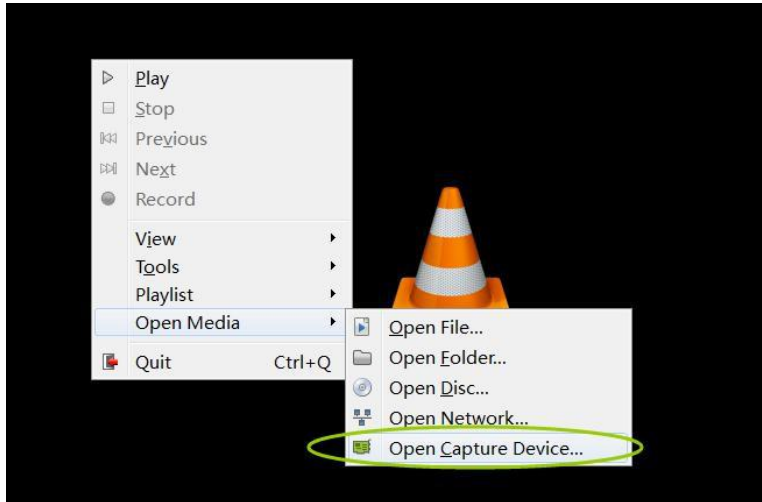
## OPERATION ON Linux:

### Work with OBS Studio:

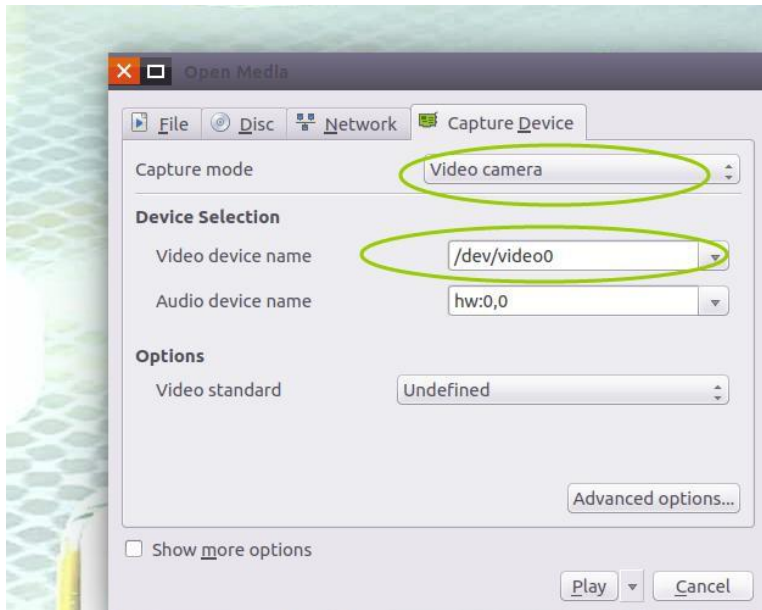
Download and install OBS studio, then do the same as above on windows.  
(note: Your Linux should meet OBS requirements)

### Work with OBS VLC (shows example for Ubuntu):

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



2, Choose “Video camera” --- “UCEC HD Video Capture” then click “play” under Capture Device.



## 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)

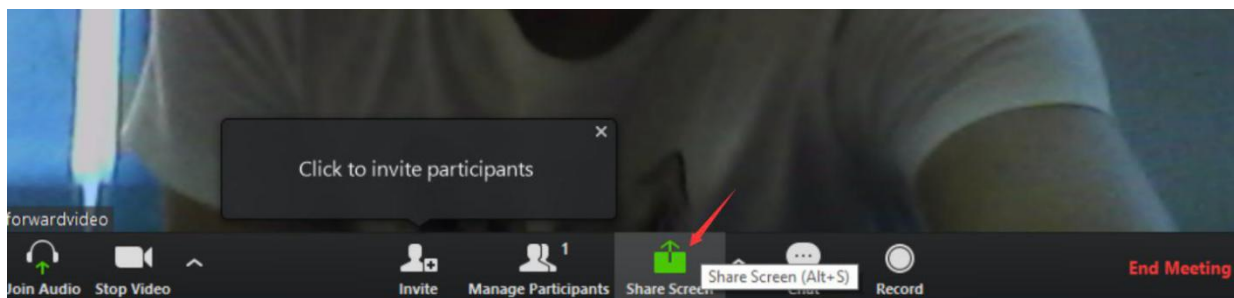
2, Connect the contents laptop via HDMI cable to this capture, then USB cable to meeting computer:



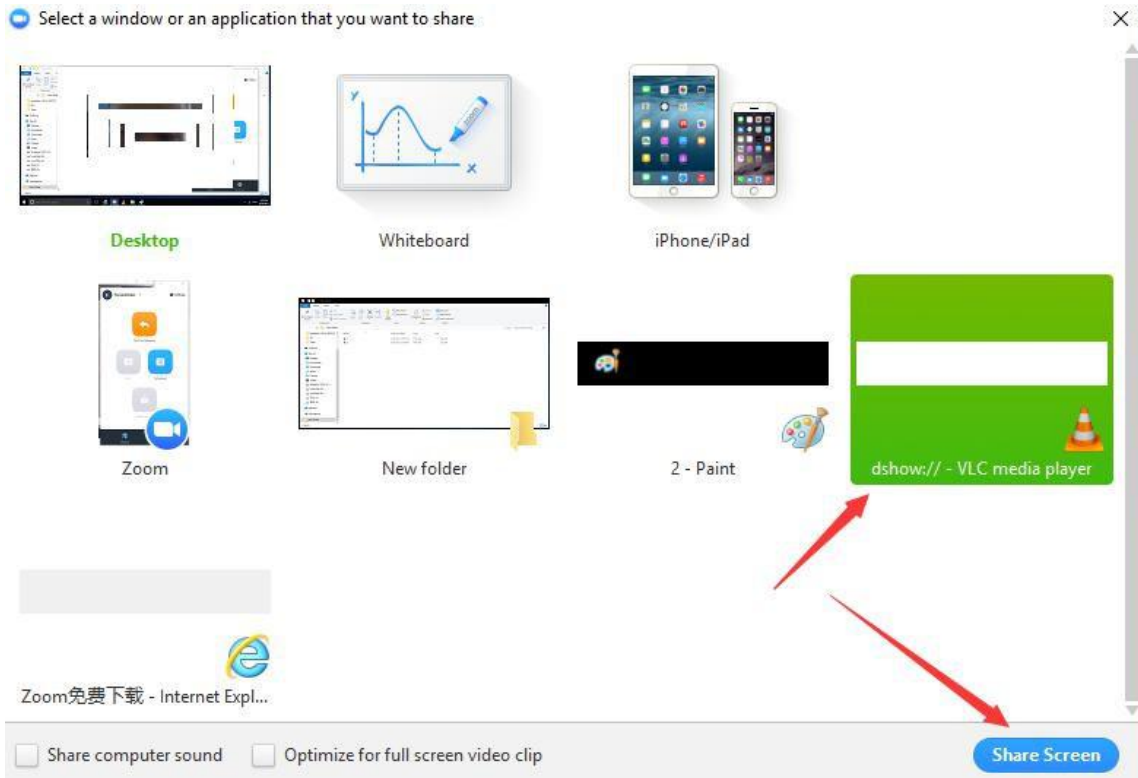
Show example for meeting App “Zoom” :

Use VLC (or other application as mentioned above) open the UCEC HD Video Capture and get the video of the contents laptop ( see the manual above)

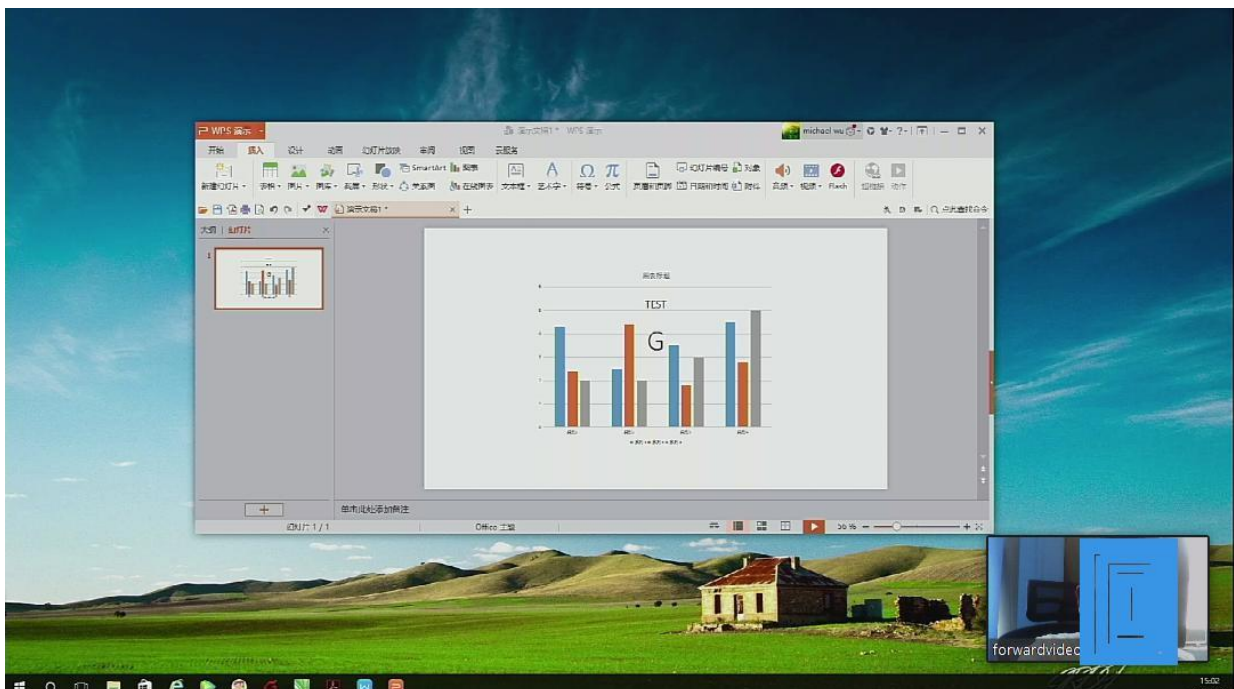
At meeting interface, click “Share Screen:



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    | USB3.0                                  |
| Video Input  | HDMI                                    |
| Audio Input  | HDMI embedded audio, Line In(3.5mm TRS) |
| Video Output | HDMI                                    |
| Audio Output | HDMI                                    |

### Standards

|                                      |   |
|--------------------------------------|---|
| <b>System Requirement</b>            | 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 Direct X 10, Sound 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)  |
| 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   |

# Troubleshooting

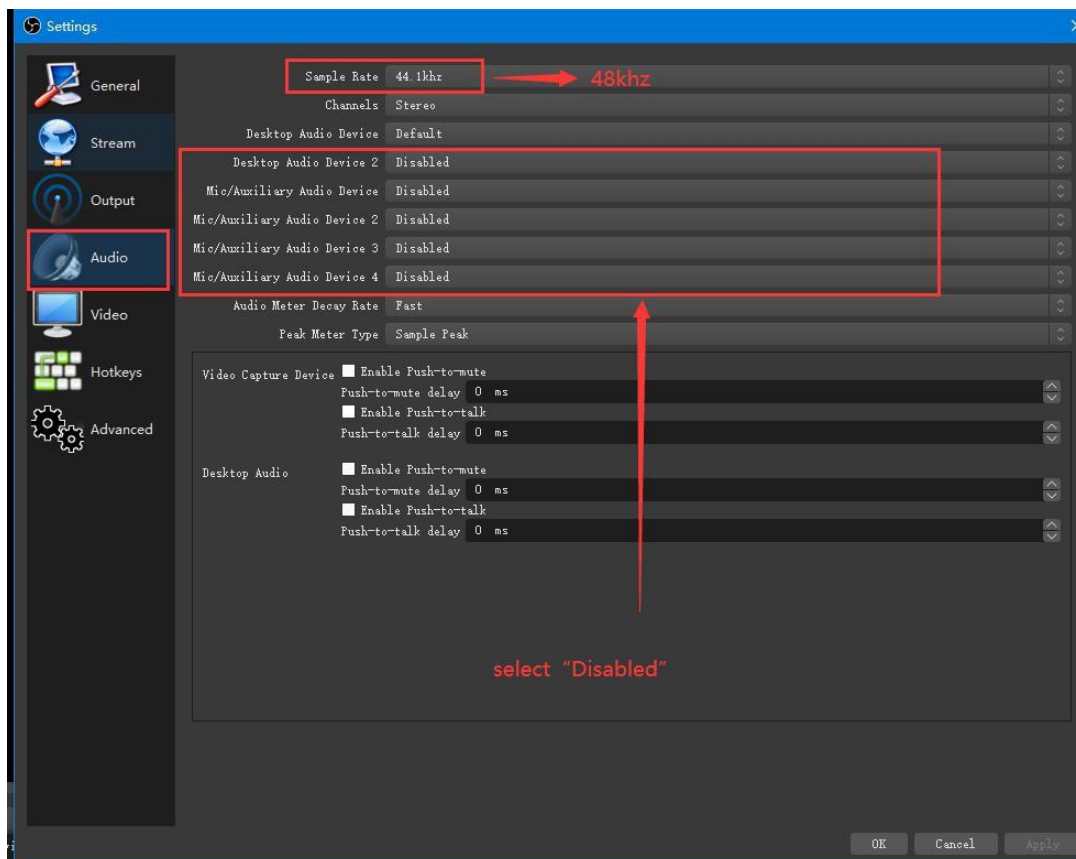
**IMPORTANT:** If the below troubleshooting can't solve your problem, please contact us, UCEC provides you with the full refund.

## 1. For the Audio and Video Latency:

You need to right-click “Video Capture Device “then click “Filters” .You can adjust it smaller or bigger until the audio and video synchronize.

## 2. Audio Problems:

- 1) Check your computer to operate the program's minimum system requirements. It is very important for it.
- 2) Check the audio output mode, select “UCEC HD Video Capture” .
- 3) About the voice has echoes: if you use the OBS Studio software to capture video. In order to ensure that the recording process is not affected by the microphone, the following options are selected "Disabled".
- 4) In the "Audio" interface, select“Sample Rate” of 48KHz for the better sound quality.





### **3. Video problems:**

IF your video freezes, check your computer Version and our video capture's system requirements.

### **4. For the 4K Video and 1080p Video:**

It allows inputting 4K 30 HDMI signal, capture 1080p60 video and 4K30 pass-through.

