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# HD 1080 60 VideoCapture

## Quick Start Guide

Thanks for purchasing ezc287 (ezcap261/M) , or ezc265/ezcap265c/ezcap266 HD gaming streaming. The following guides you how to set up. Hope this device will bring you nice digital experience.

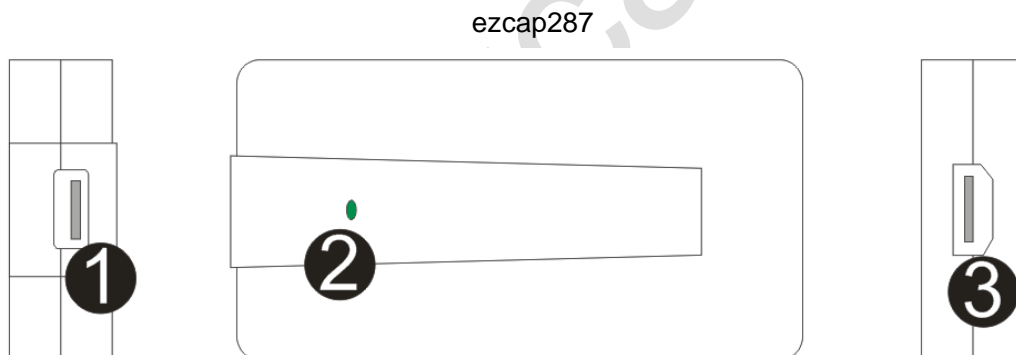
With ezc287 (ezcap261/M,ezcap265/265C/ezcap266) Full HD 1080 60 game capture, just plug to your PC (Windows, Mac, Linux),no need install driver, you can use any 3rd party software to capture or stream your HD game, or other HD video source.

ezc287 (ezcap261/M, ezc265/265C) Full HD 1080 60 video capture, it allows you input 4K 30 HDMI signal, and capture/live stream full HD 1080 60 video.

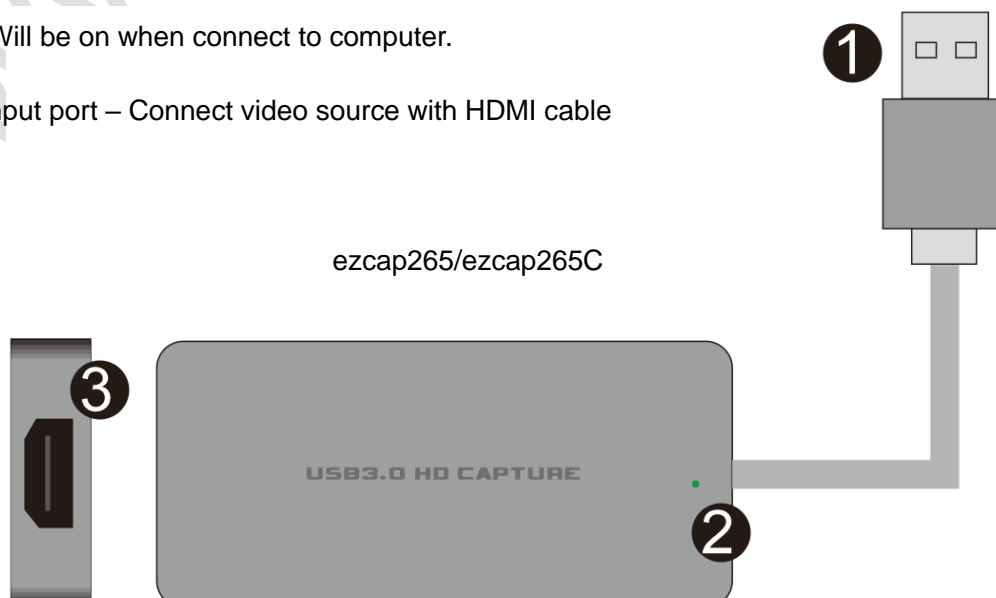
**Model ezc266 support 4K 30 HDMI in and Output, and capture/live stream full HD 1080 60 video.**

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:



1. USB3.0 port – To connect to computer.
2. LED – Will be on when connect to computer.
3. HDMI input port – Connect video source with HDMI cable



ezcap265 is same as ezcap287, and the only difference between ezcap265 and ezcap265C is ezcap265 is USB 3.0 port, and ezcap265C is TYPE-C port.

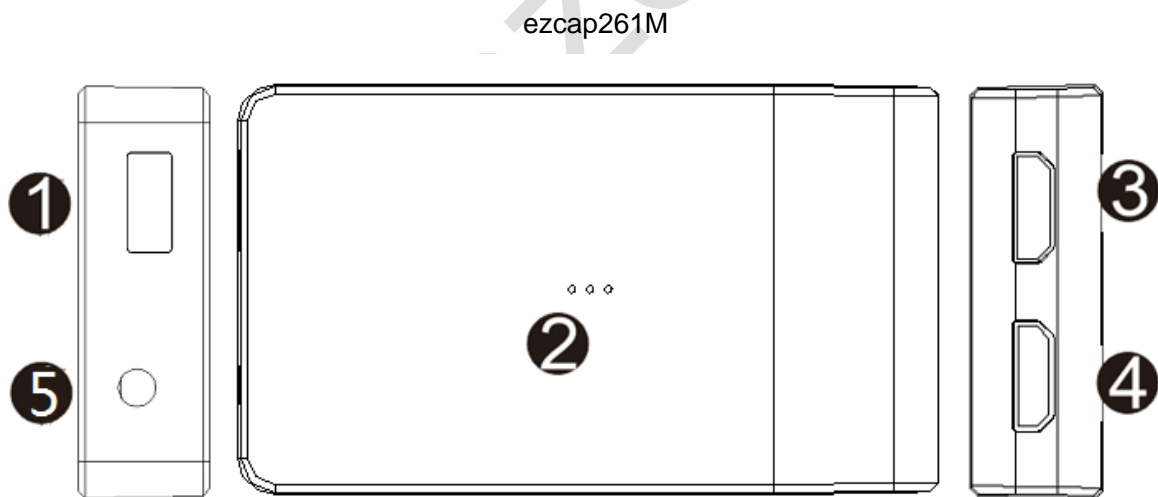
**Note:**

- Please connect video source into ezcap265C after you connect ezcap265C to your computer.
- When you use ezcap265C with TYPE-C to USB connector or cable, and can't find the device with software, please adjust the TYPE-C's direction.



The only difference between ezcap261 and ezcap287 is ezcap261 with HDMI output.

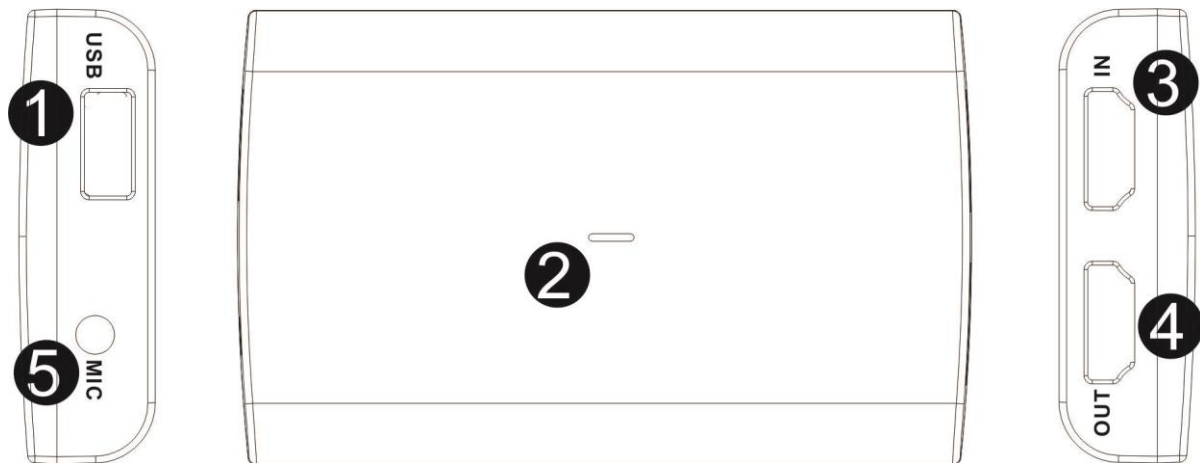
4. HDMI output port – Connect to TV or monitor to show video, not necessary for capturing.



The only difference between ezcap261M and ezcap261 is ezcap261M with Micro Phone input.

5. Micro Phone input port – Connect to Micro Phone to capture your voice with video together, not necessary for capturing video.

ezcap266



The ezcap266 is an enhanced version than ezcap261M, it keeps all features than ezcap261M (with microphone input and capture/stream full HD 1080 60 video), also add 4K 30 video input and output.

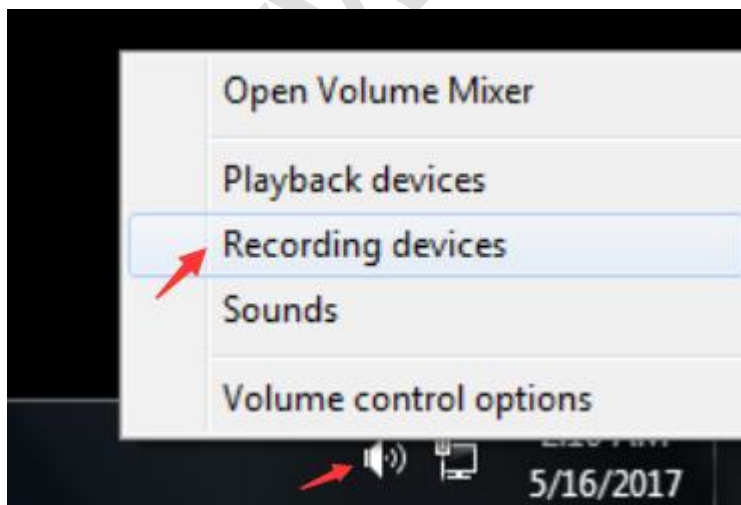
## Work on windows

### First of All

**Set the audio capture sample rate :**

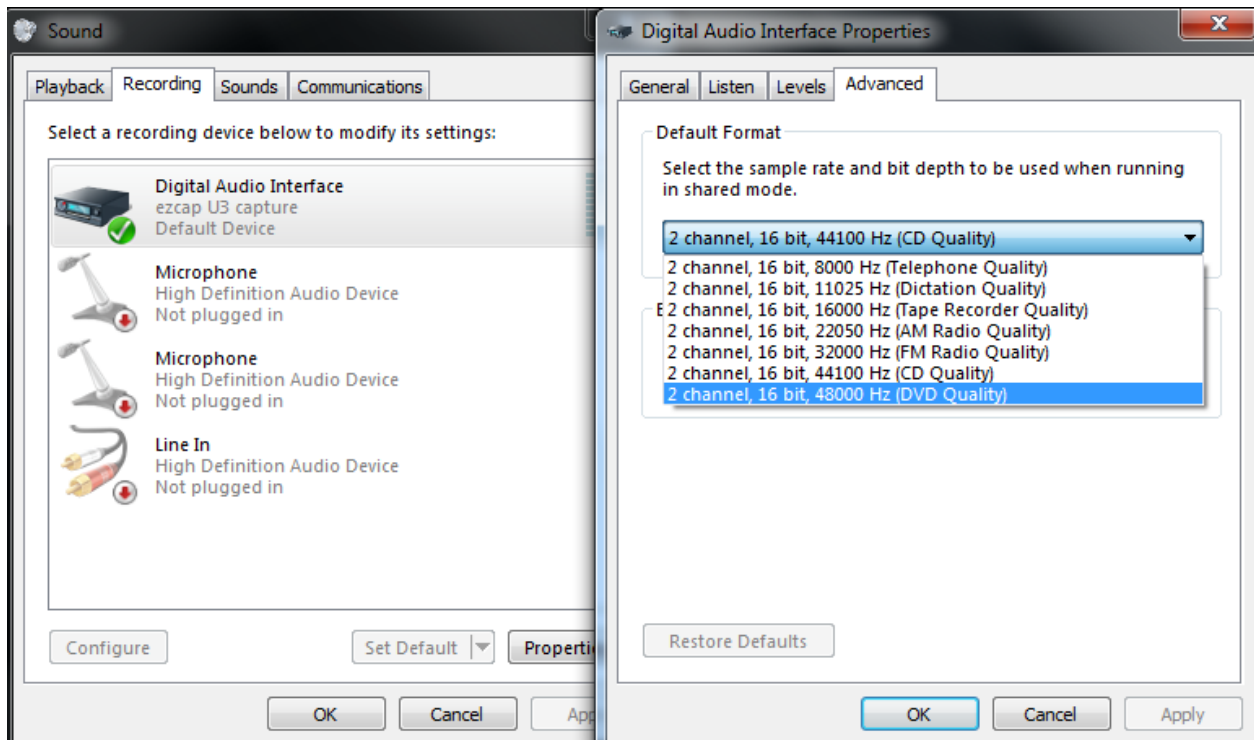
**Note: It is an important setting, otherwise will caused the bad audio quality**

1), After connect the device to computer, right click on "Speaker" of your computer, choose "Recording devices"

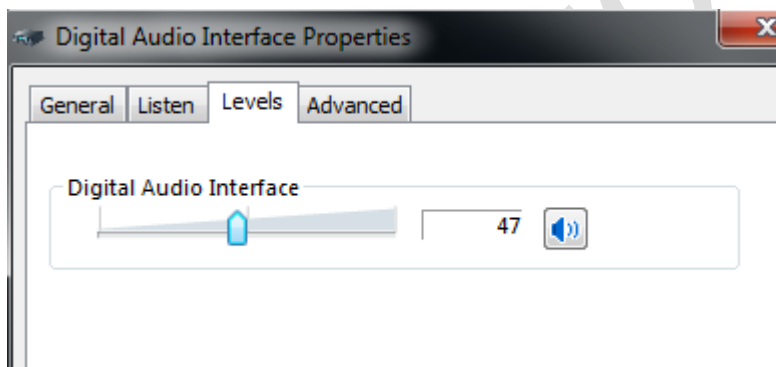


2), Double click "ezcap U3 capture" ----At "Advanced" choose the sample rate to "2 channel 16 bit, 48000"

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:

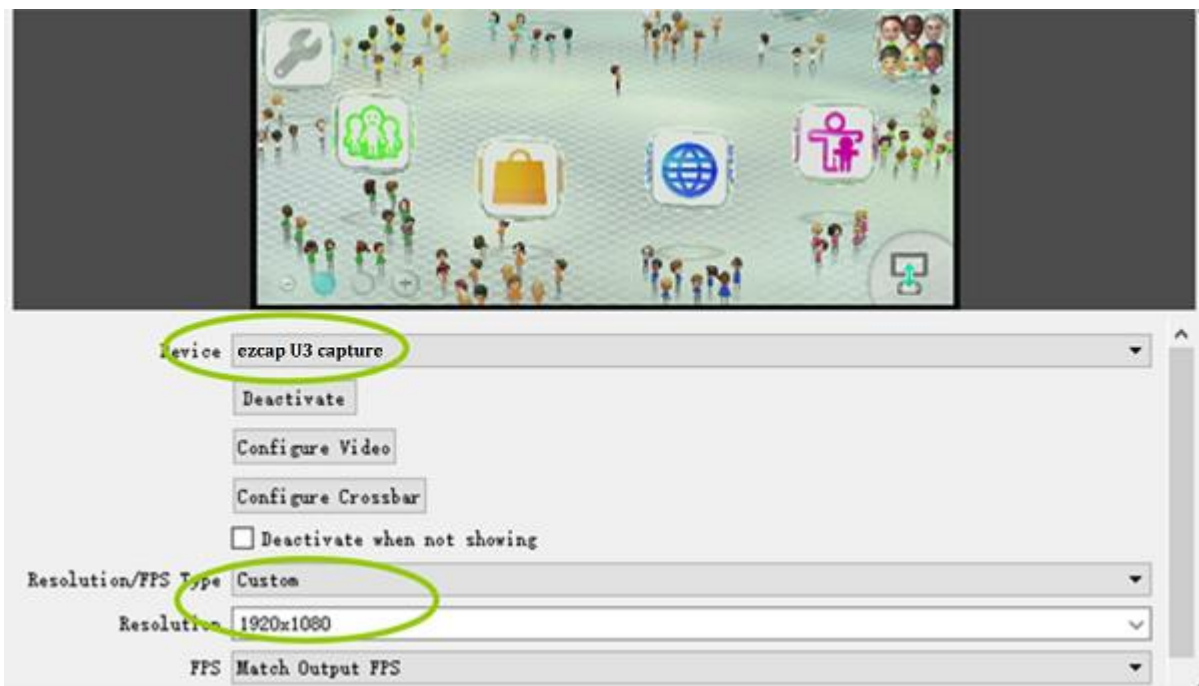


### **Work with OBS Studio:**

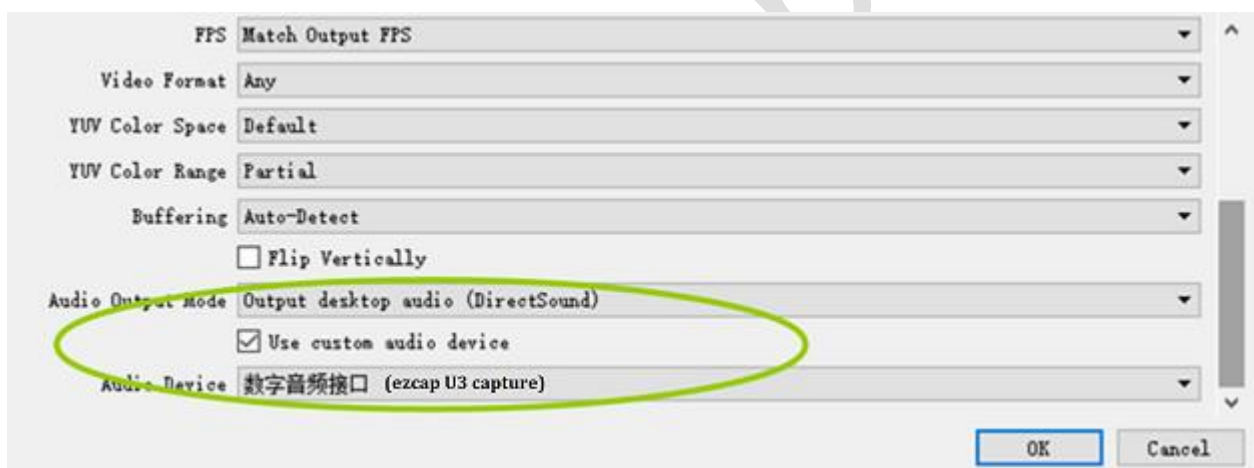
1, Go to [obsproject.com/download](https://obsproject.com/download) to download OBS Studio according to your computer's operating system, and install it on your computer.

Connect ezcap287 (ezcap261) to computer with USB3.0 cable, and connect video source with HDMI cable. Windows will install the driver automatically, and you will see “FHD Capture” in device manager. (For ezcap261 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 “ezcap U3 capture” in the drop box next to “Device”:

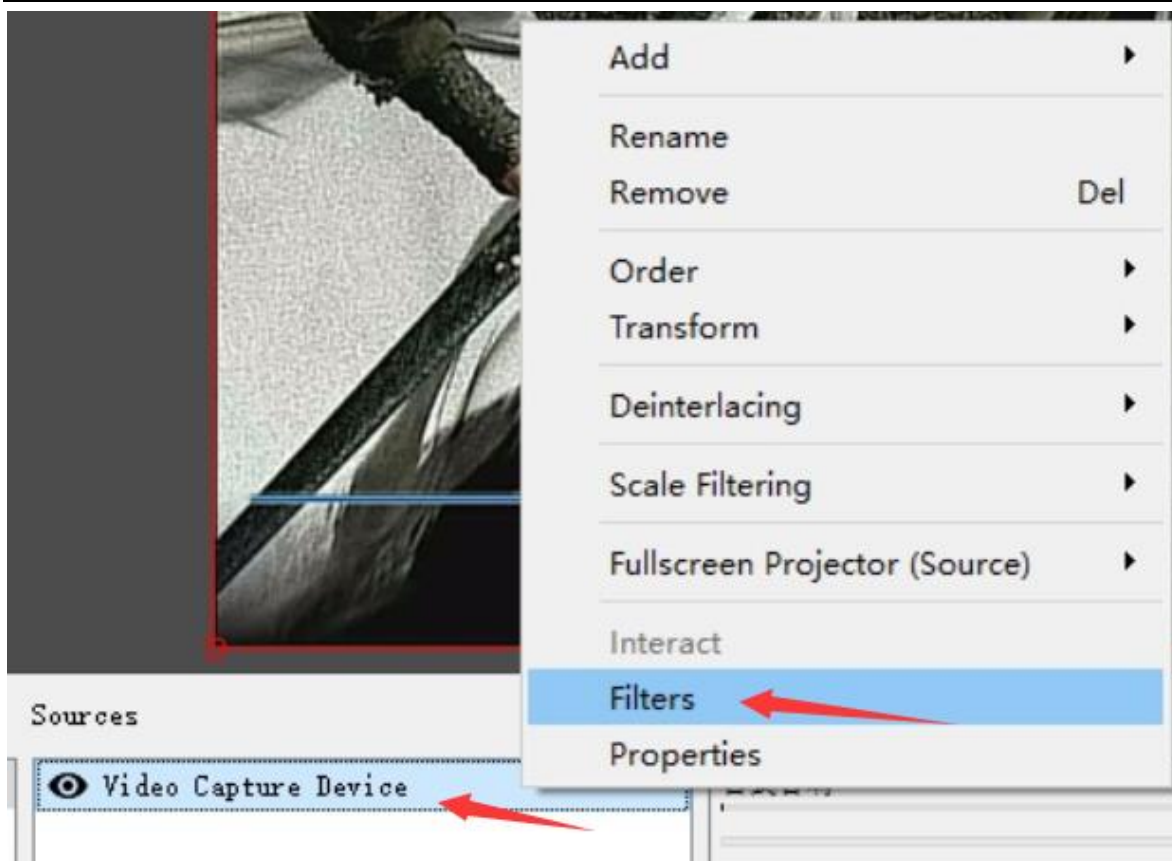


3, At Set Audio Output Mode to “Output desktop audio (WaveOut), Audio Device to “FHD Capture”:

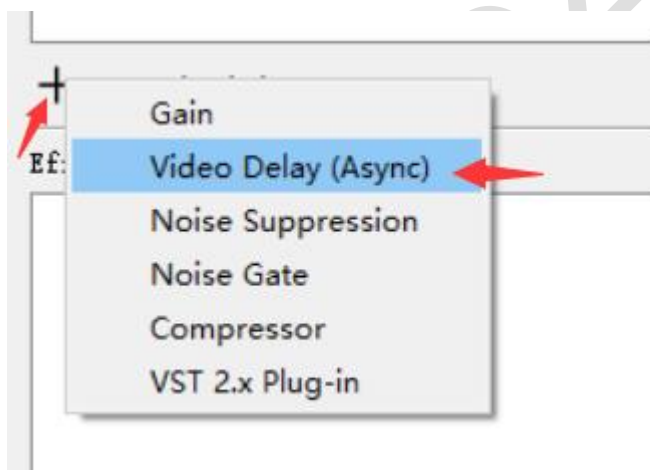


4, Set the video latency for make the audio and video synchronized:

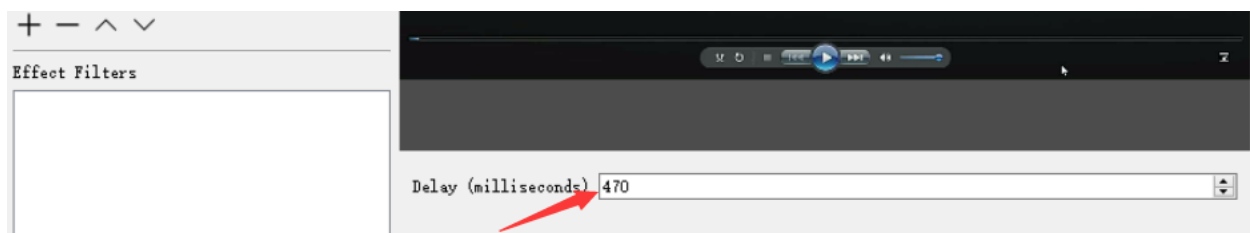
1) Right click “Video Capture Device” then click “Filters”:



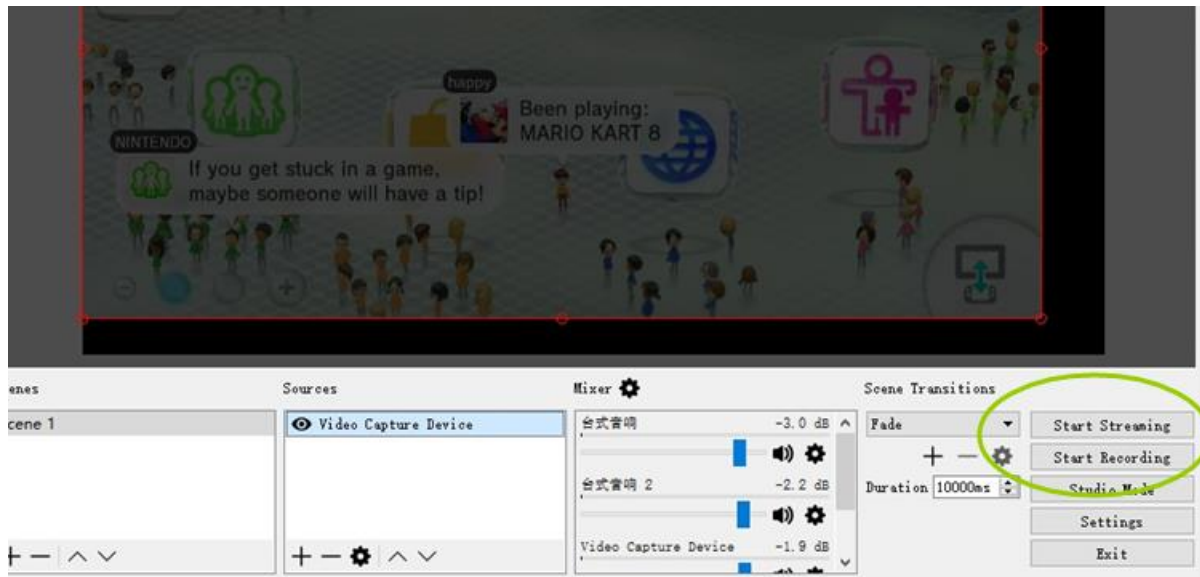
2) Click to add "Video Delay (Async)" :



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

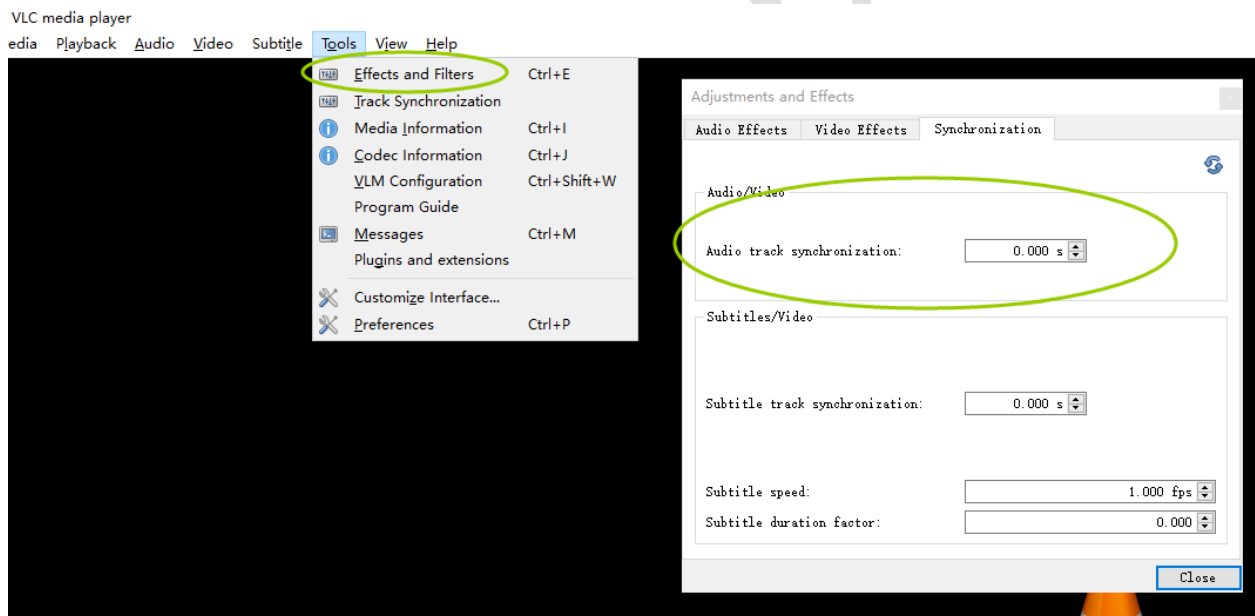


5, Then you can recording or streaming video:

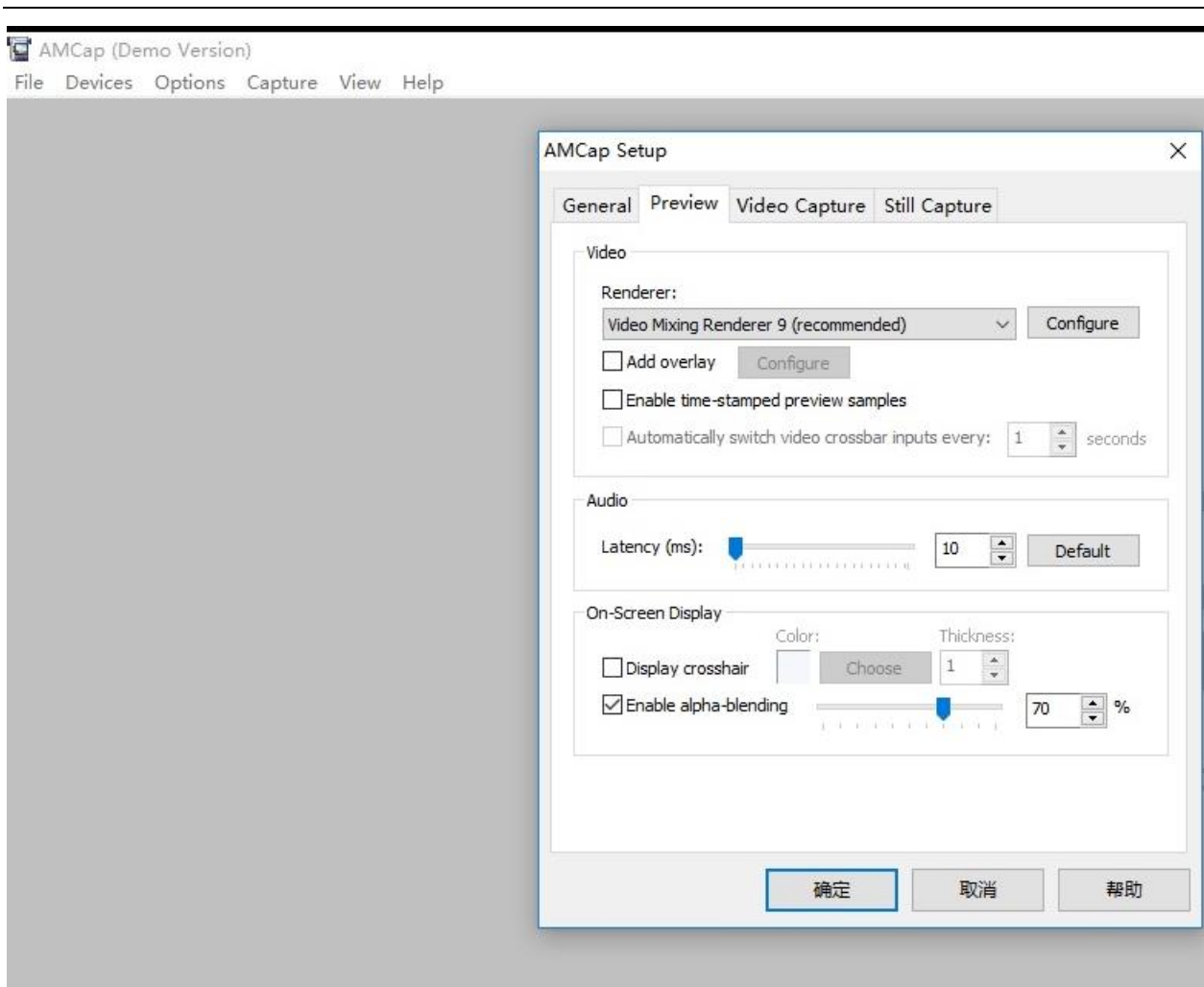


For other applications may also need settingfor synchronous problem:

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):

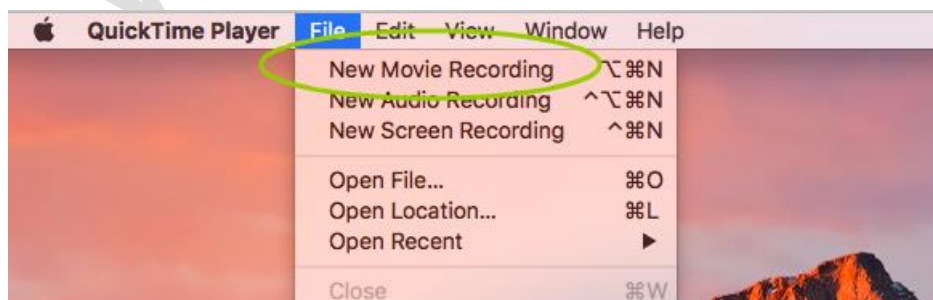


Work with other applications (e.g. VLC, Media encoder, Protplayer...):  
Just run the application then choose capture device to “ezcap U3 capture”.

## Work on MAC:

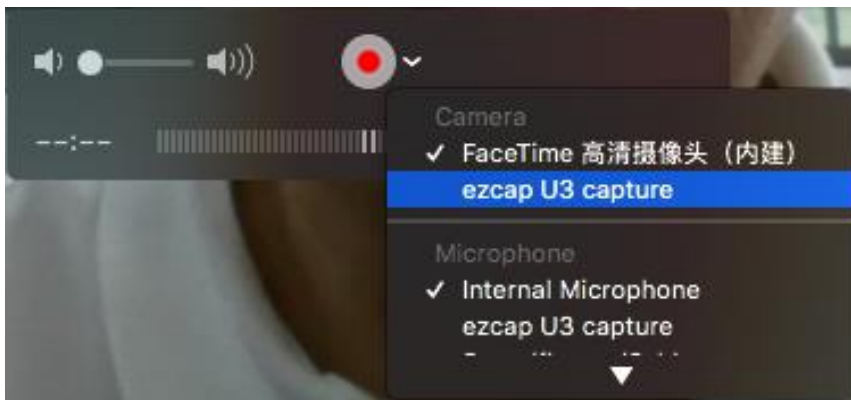
Work with OBS Studio:  
Download and install OBS studio, then do the same as above on windows.

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:

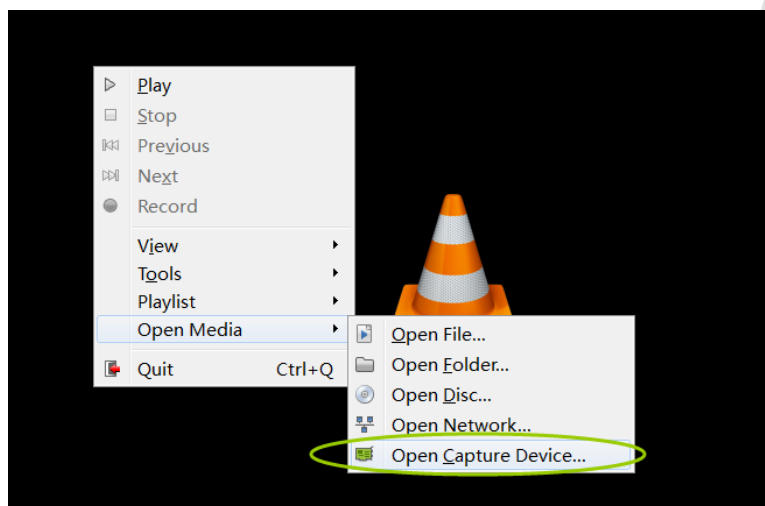
Work with OBS Studio:

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

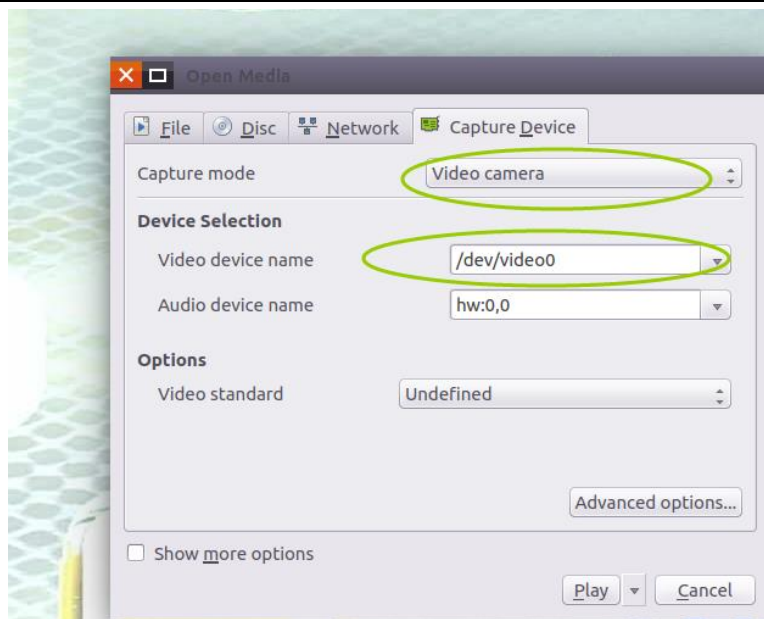
**(note: Your Linux should meet OBS requirements)**

Work with OBS VLC (shows example for Ubuntu):

1, Right click on window, select "Open Capture Device":



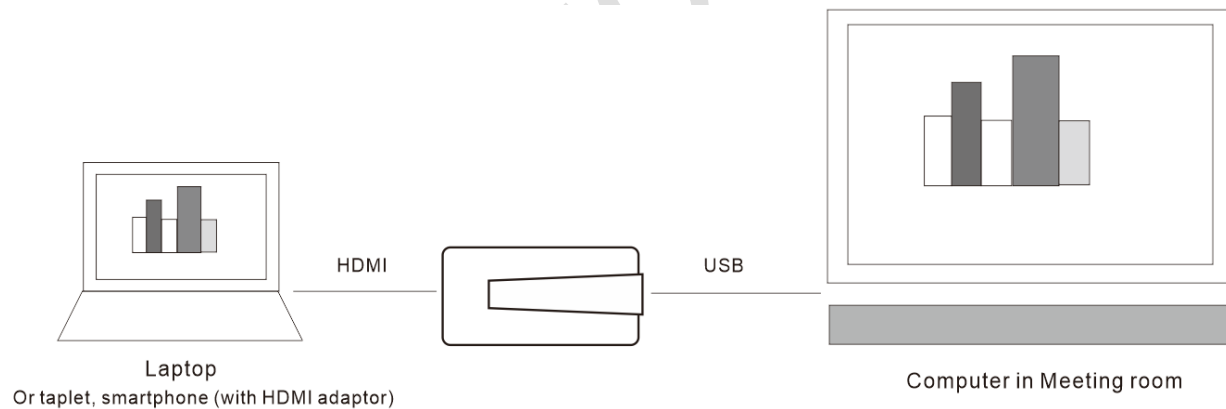
2, Choose "Video camera" ---"/dev/video0" then click "play"



## 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)

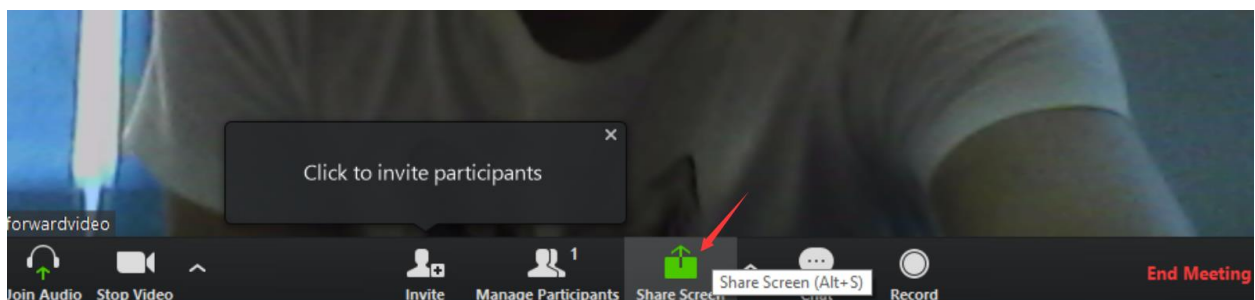
2, Connect the contents laptop via HDMI cable to ezcap287, then USB cable to meeting computer:



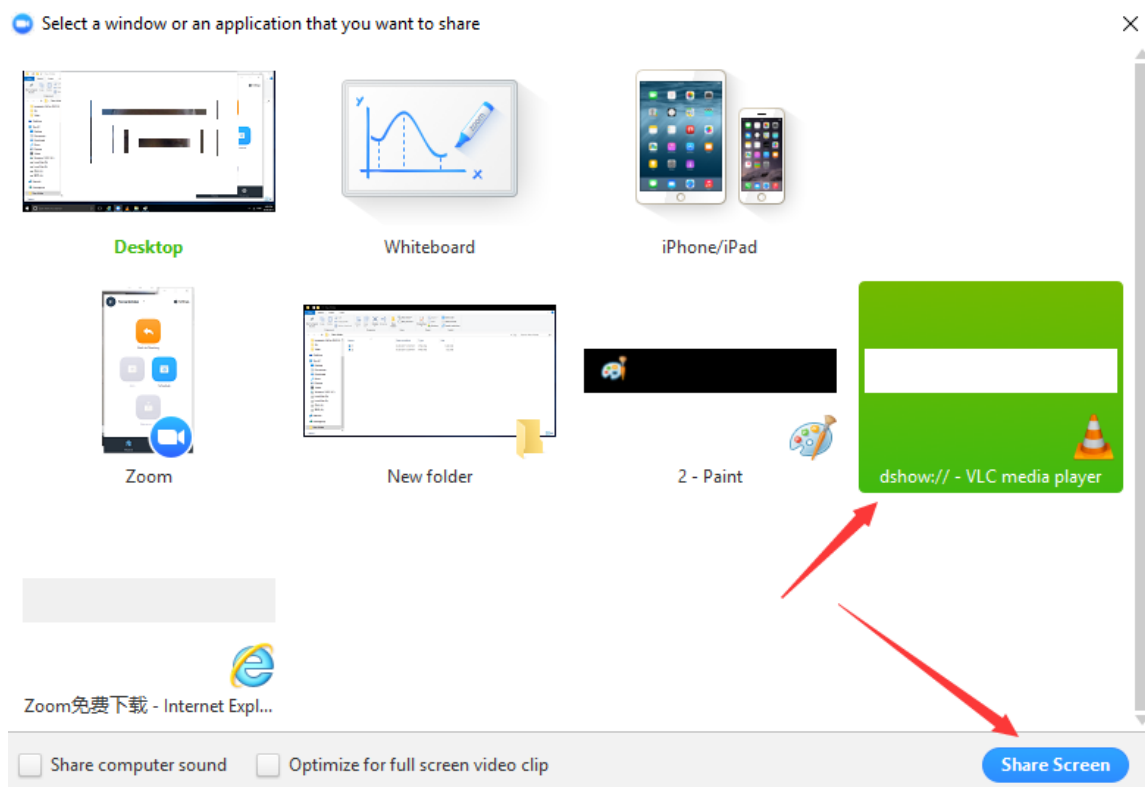
### Show example for meeting App “Zoom”:

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)

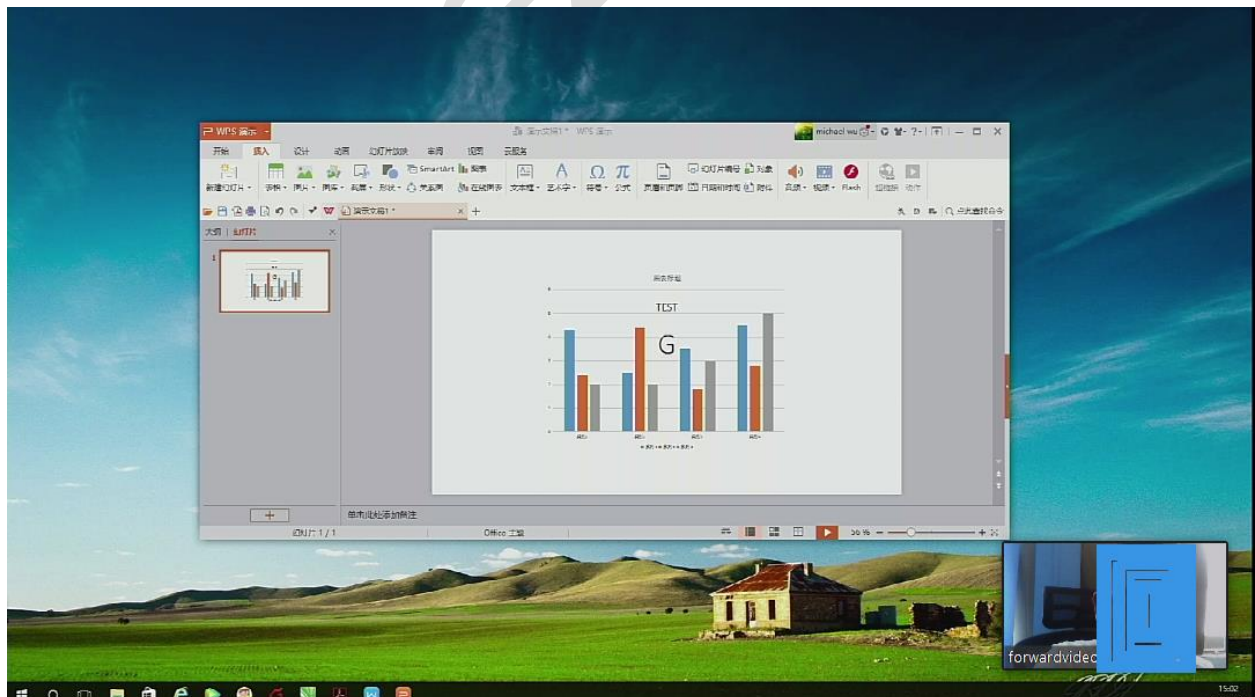
At meeting interface, click “Share Screen”:



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



The contents and presenter shows in same time:



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## Specifications:

### Connections

Interface	USB 3.0 (USB-C for ezc265C)
Video Input	HDMI
Audio Input	HDMI, 3.5mm micro phone (For ezc261M / 266)
Video Output	HDMI (For ezc261 / 261M / 266)
Audio Output	HDMI (For ezc261 / 261M / 266)

### Hardware Extra

Dimensions	95*39*19.2MM for ezc287
Weight	40g for ezc287

### Package Contents

Device	ezc287(ezc261 / 265 / 265C / 261M / 266)
Others	USB3.0 cable, manual

### 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 card, 4GB RAM, Powered USB 3.0 port: Intel chipset with native USB 3.0 host controller (Renesas, Fresco ...)
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<b>Resolution</b>	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), 4K30 only for HDMI Input, and 4K30 by pass for ezc266 only.
<b>Software compatibility:</b>	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.
<b>Development interface compatibility:</b>	DirectShow (Windows), DirectSound (Windows),V4L2 (Linux), ALSA (Linux) OS X (QuickTime)
<b>Record Quality</b>	Max 1080P 60fps

## USB3.0 1080 60 全高清视频采集盒 使用指南

非常感谢您购买我司研发生产的 ezc287(ezc261/M) 或 ezc265/ezc265C/ezc266 USB3.0 全高清视频采集盒，下述内容详细说明如何使用和设置该产品，希望这款产品给你带来美好的使用体验！

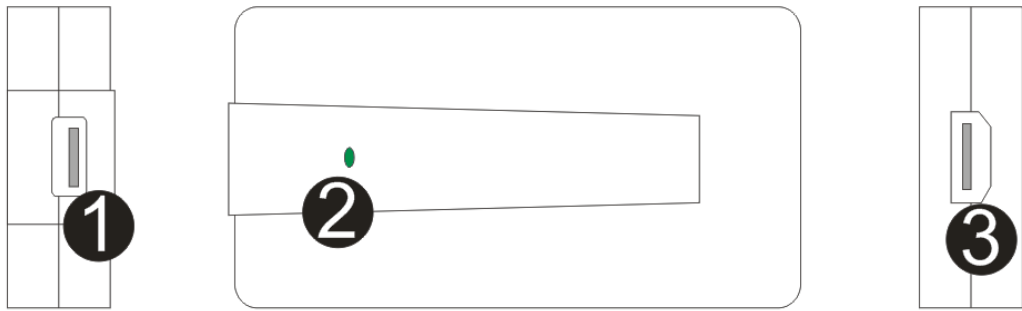
使用 ezc287(ezc261/M)或 ezc265/ezc265C/ezc266 USB3.0 全高清视频采集盒，你仅仅需要连接到你的电脑(windows, mac, linux 系统均支持)，无需安装驱动，然后使用第三方软件即可采集或串流高清游戏视频或其它高清视频源。

ezc287(ezc261/M)或 ezc265/ezc265C USB3.0 全高清视频采集盒，允许你输入 4K 30 的 HDMI 信号，录制 1080 60 全高清视频文件。

ezcap266 允许输入 4K 30 HDMI 信号，且可以 by pass 4K 30 信号 HDMI 输出，录制或串流 1080 60 全高清视频。

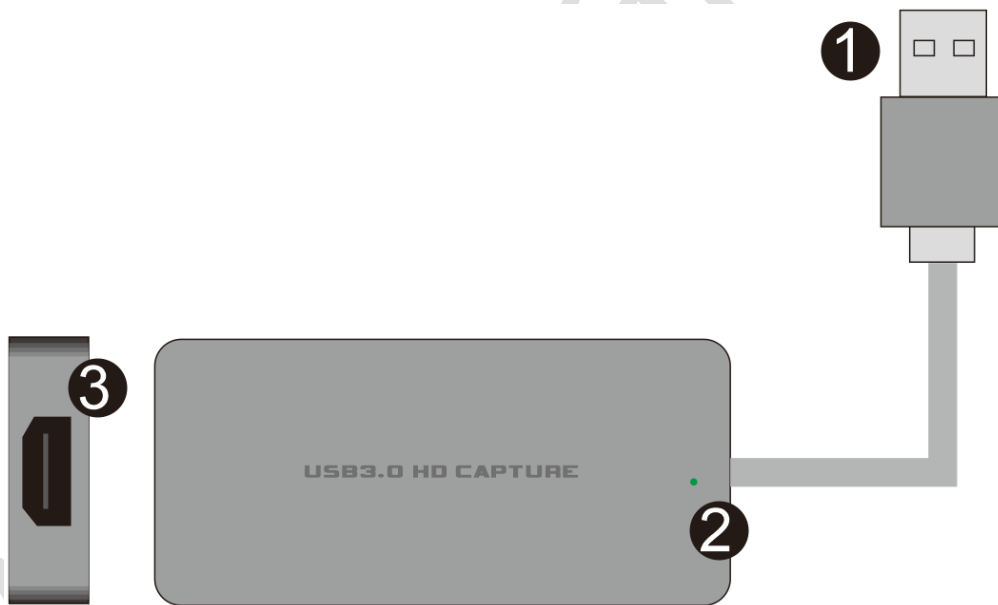
## 产品特点:

ezcap287 接口图



1. USB3.0 端口-连接到电脑闲置的 USB3.0 接口。
2. 指示灯- 连接电脑 USB 接口后会常亮。
3. HDMI 输入端口-通过 HDMI 线材(需自购)连接 HDMI 视频源。

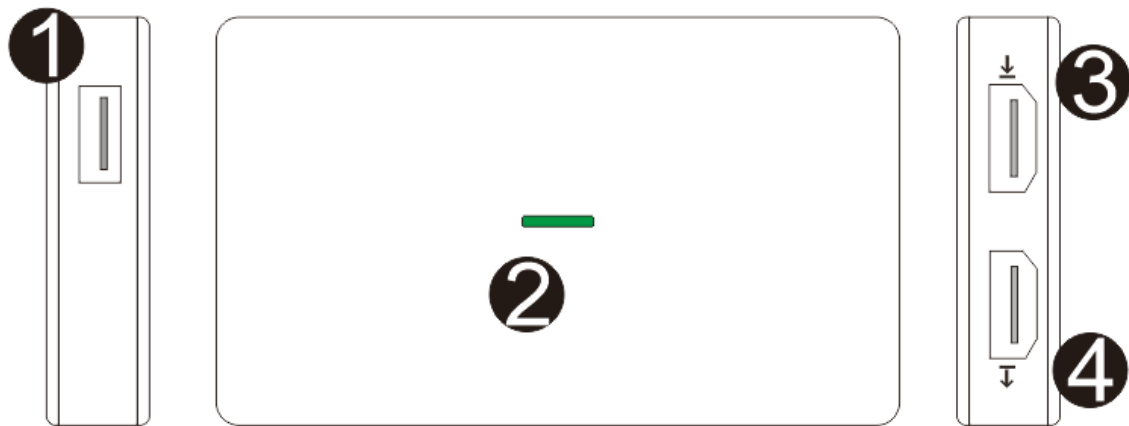
ezcap265/ezcap265C



ezcap265 与 ezcap287 接口完全相同，区别在于 ezcap265 是直接连着一根 USB 线。Ezcap265 与 ezcap265C 的区别在于 ezcap265 是 USB 3.0 接口，而 ezcap265C 是 TYPE-C 接口。

**注：**使用 ezcap265C 时，请先将设备连接电脑，然后再接入视频源信号。当你使用 TYPE-C 转 USB 转接头或转接线连接 ezcap265C 和电脑后，在软件里无法识别到设备，请调换 TYPE-C 接头的方向后再次尝试。

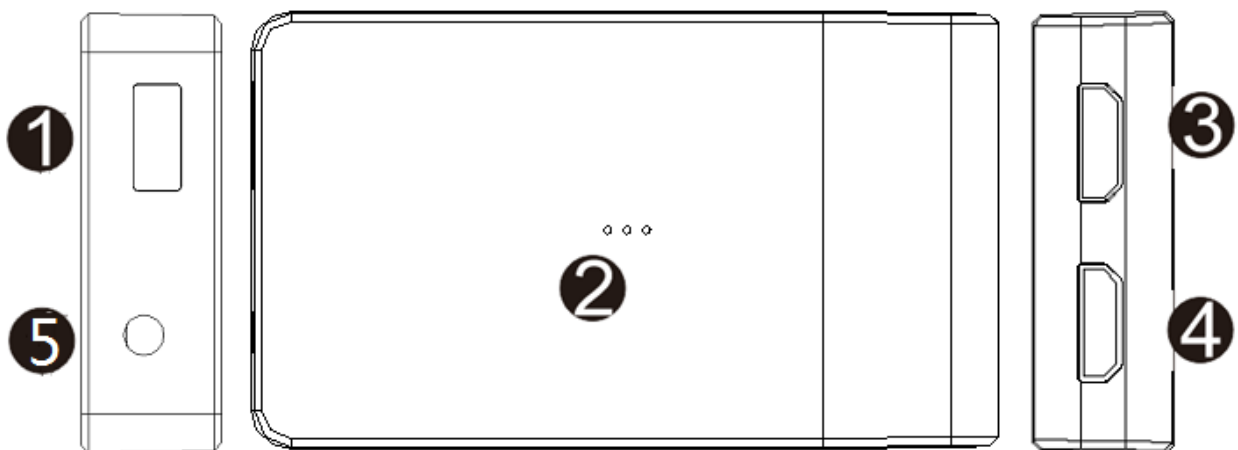
ezcap261 接口图



ezcap261 和 ezcap287 的唯一不同之处在于 ezcap261 带有 HDMI 输出。

4. HDMI 输出接口 - 通过 HDMI 线材(需自购)连接电视机或显示器，显示视频。对于视频采集不是必须的。

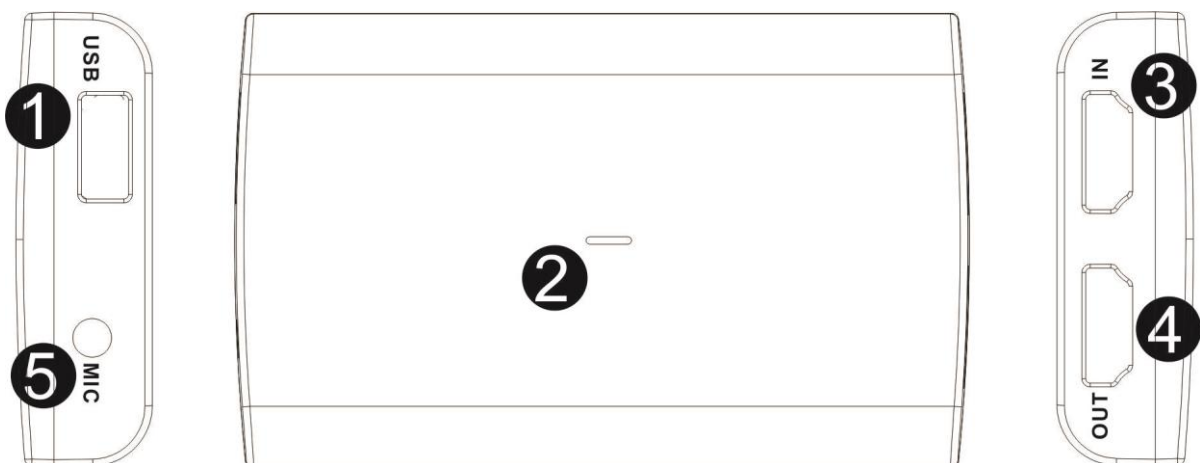
ezcap261M 接口图



ezcap261M 和 ezcap261 的不同之处在于 ezcap261M 带有麦克风输入接口。

5. 麦克风输入接口—接入麦克风即可将您的语音解说和视频采集在一起。对于视频采集不是必须的。

ezcap266 接口图



ezcap266 是 ezcap261M 的增强板，除了具有其全部特性（带麦克风输入，1080 60 录制及串流）外，还可以输入及输出 4K 30 的视频。

## Windows 系统操作说明

首先，设定音频采集采样率为 48KHz 这非常重要，否则你采集到的可能是糟糕的音频质量。

1, 机器连接到电脑后，右击电脑桌面右下角的扬声器图标，选择”录音设备(R)”。

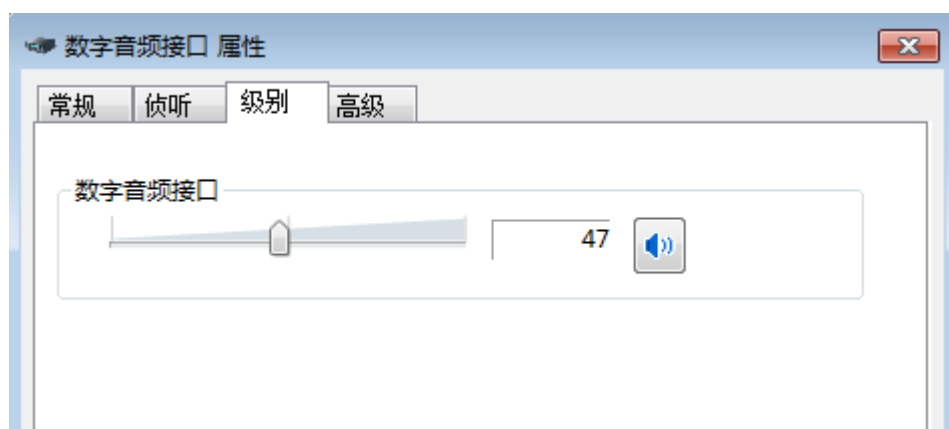


2, 双击”数字音频接口 ezcap U3 capture”后，在出来的窗口下点击”高级”栏目条，并在如图的下拉框中选择”2 通道，16 位，48000 Hz (DVD 音质)”。



3, 如果发现没有音频输入，或需要调整输入音频的幅度，请点击”级别”栏目条，并在如下窗口中取消静音或设定音量等。



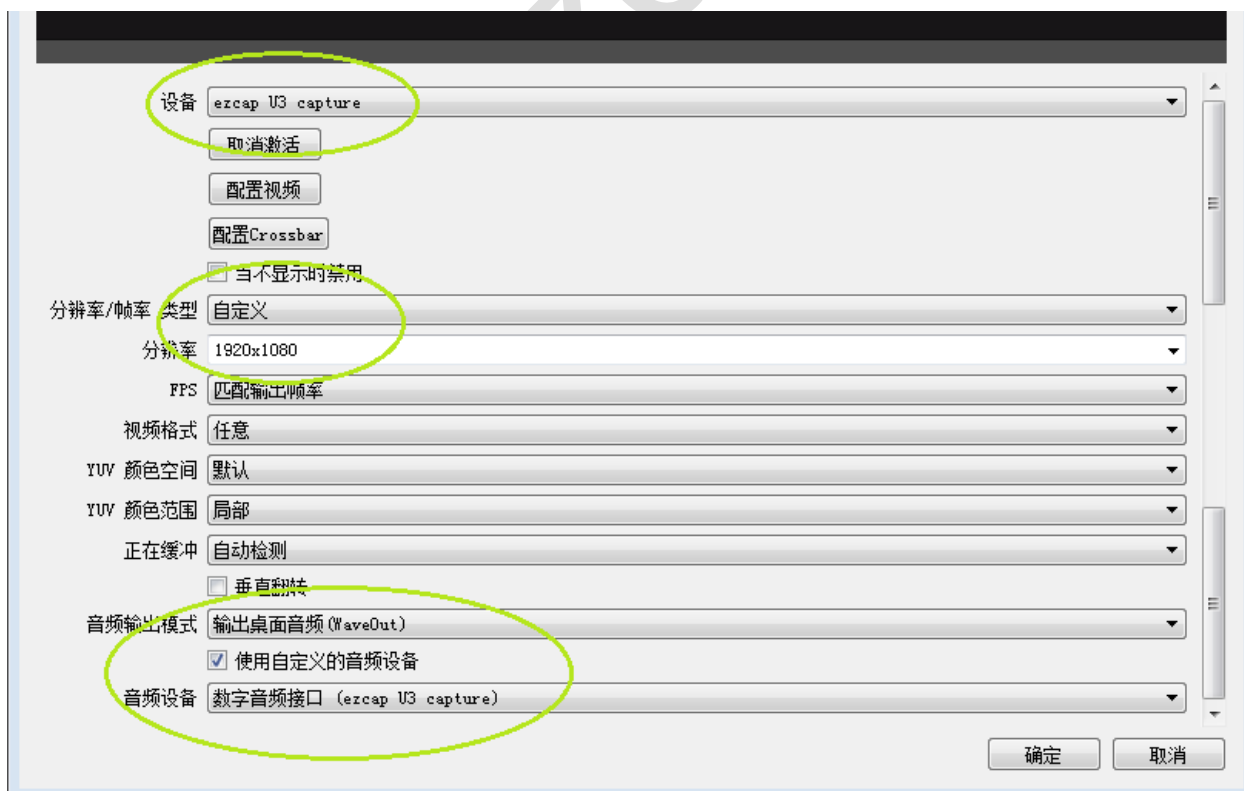


#### 与 OBS Studio 软件配合使用:

1, 请去 [obsproject.com/download](https://obsproject.com/download) 链接, 并根据电脑操作系统下载对应的 OBS Studio 安装程序, 并根据安装程序提示安装。

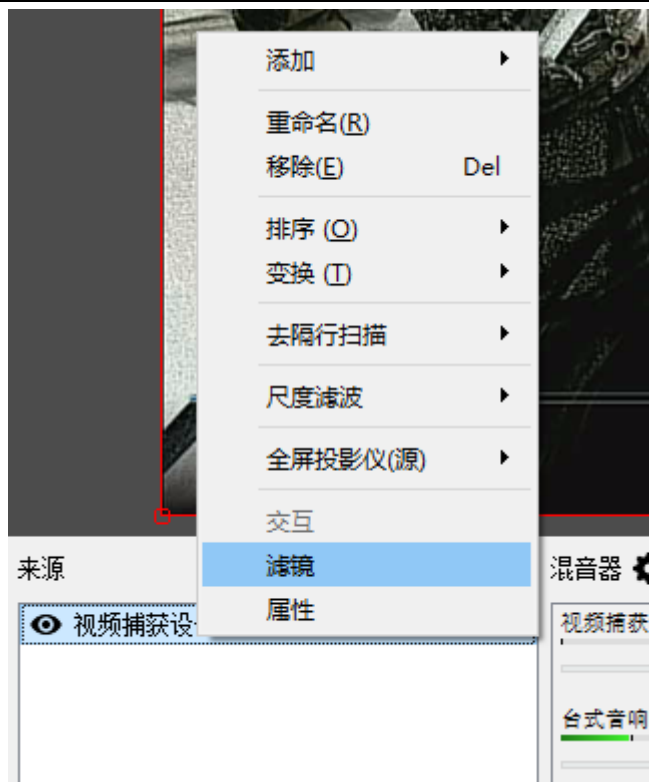
2, 用 USB3.0 线材连接 ezcac287(ezcac261)和电脑的 USB3.0 接口, 系统将会自动安装好硬件, 你可以在“设备管理器”下“ezcac U3 capture”字样。用一根 HDMI 线材连接 ezcac287(ezcac261)和需要采集的视频源的 HDMI 输出接口, 就完成了初步安装和连接工作。(对于 ezcac261, 如果有需要, 可以用一条 HDMI 线连接 ezcac261 的 HDMI 输出与电视的 HDMI 输入, 以便在大屏幕预览视频。)

3, 双击打开 OBS Studio 软件, 点击“来源”窗口下的“+”图标, 在出来的画面里点击“视频捕获设备”, 然后点击“确定”。在“设备”旁的下拉框里选择“ezcac U3 capture”, 在“音频输出模式”旁下拉框里选择“输出桌面音频 (WaveOut)”, “音频设备”旁的下拉框里选择“数字音频接口 (ezcac U3 Capture)”, 并点击“确定”。

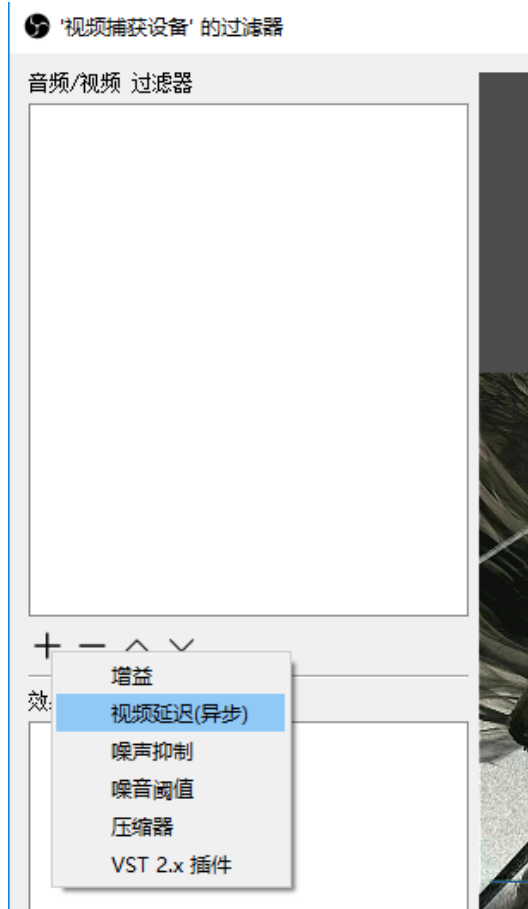


4, 为了使音视频同步, 设置视频延迟。

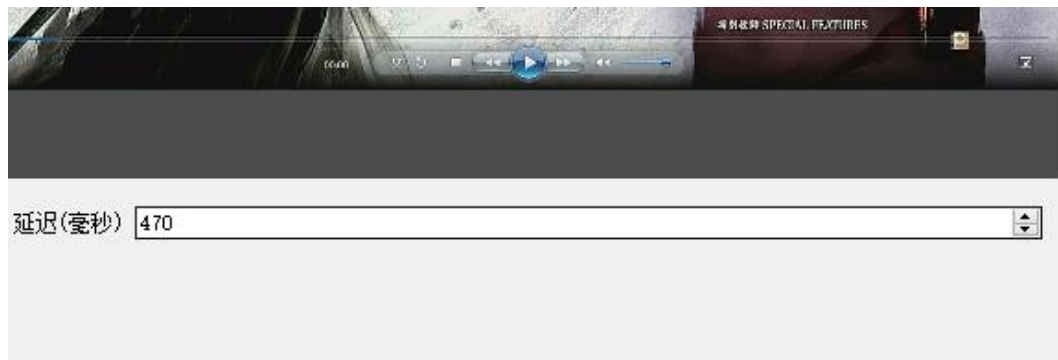
-右击“视频捕获设备”, 选择“滤镜”。



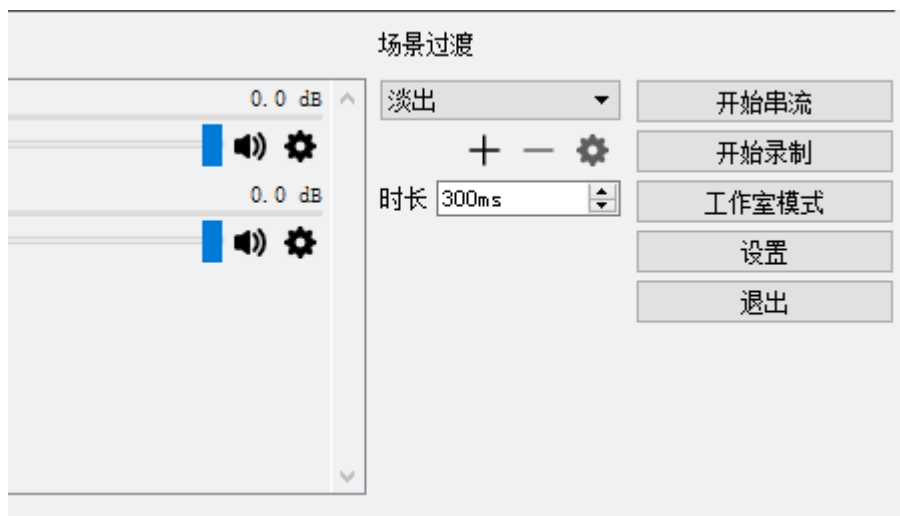
-在弹出的视窗中，点击“+”后选择“视频延迟(异步)”。



-在新弹出的对话框里输入 470ms。（你需要根据情况自行调整数值大小，直至发现音视频同步为止）

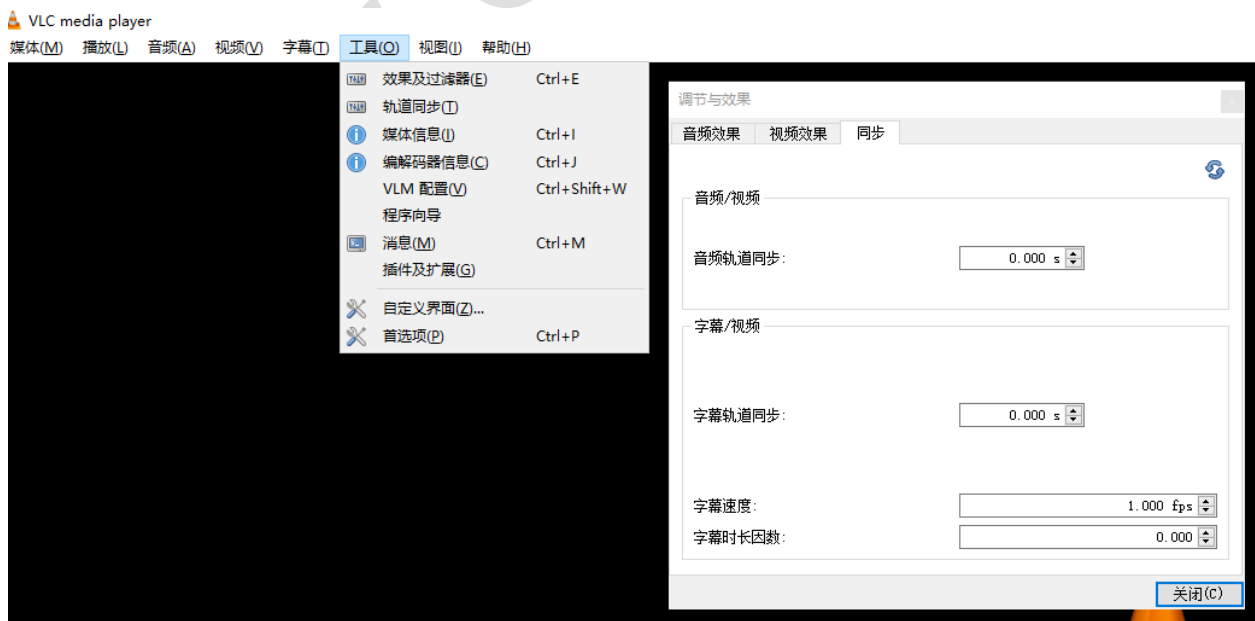


5, 现在你就可以开始录制或者串流你的高清视频了。

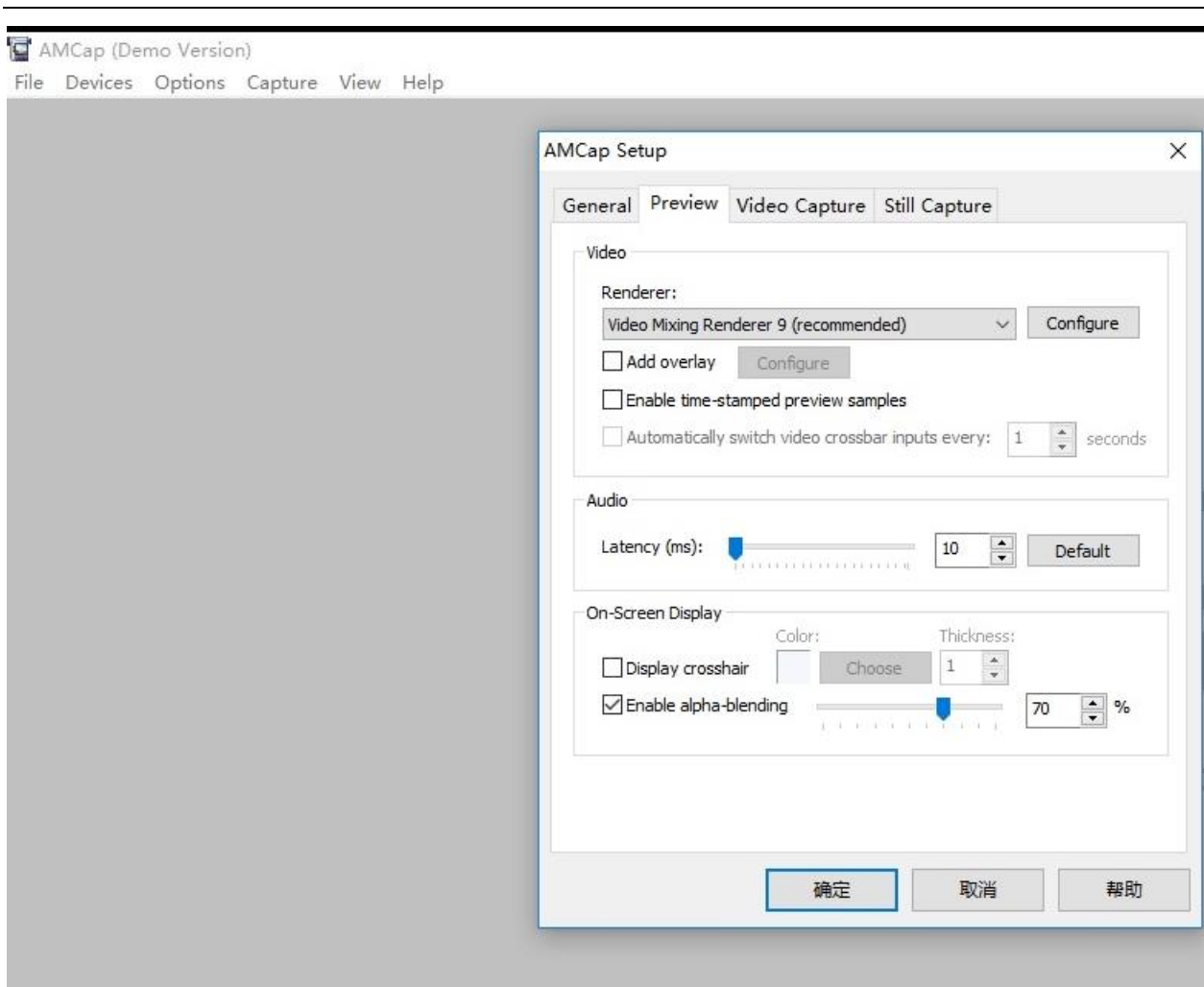


对于其他的应用软件也会遇到同步问题，也需要作类似的设定：

如 VLC:在工具—效果及过滤器---同步，设定音频轨道同步的延时值，直到音视频同步。



对于 Amcap, 在 Capture—Setup---Preview, 设置 Audio Latency 到 10ms:



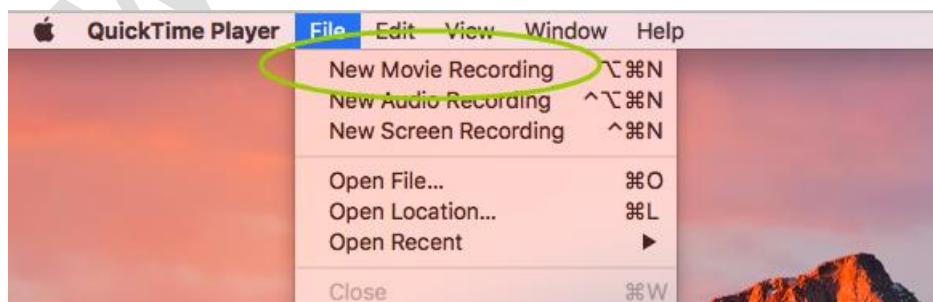
如果你想与其它第三方应用软件配合使用（比如 VLC, Media encoder, Protplayer...），只要选择该软件的采集设备为“ezcap U3 capture”即可。

## MAC 系统操作说明

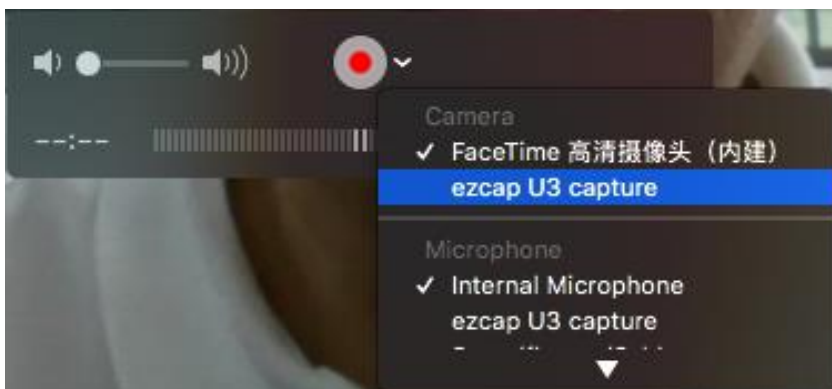
配合 OBS Studio 使用，与 Windows 使用说明相同。

配合 QuickTime Player 使用说明：

1, 运行 QuickTime player, 点击“File”图标选择“New Movie Recording”:



2, 在相机和麦克风选项下分别选择“ezcap U3 capture”：



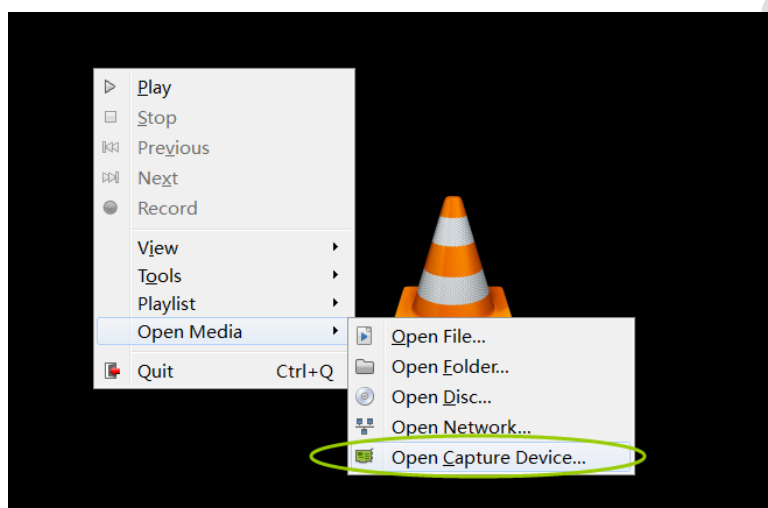
## Linux 系统使用说明

配合 OBS Studio 使用，通 Windows 使用说明相同。

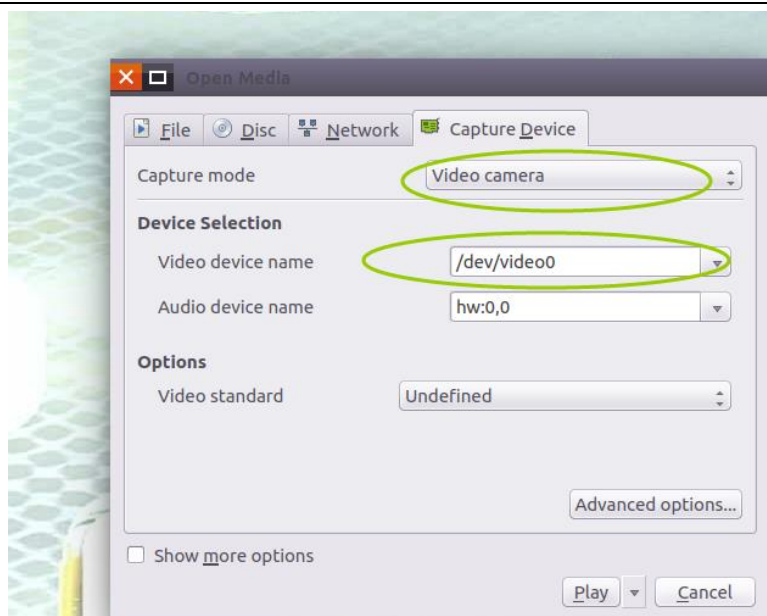
(注: 您的 Linux 系统配置一定要符合 OBS Studio 运行要求)

配合 VLC 软件使用说明(以 Ubuntu 举例):

1, 打开软件，在窗口下右击后选择“Open Capture Device”。

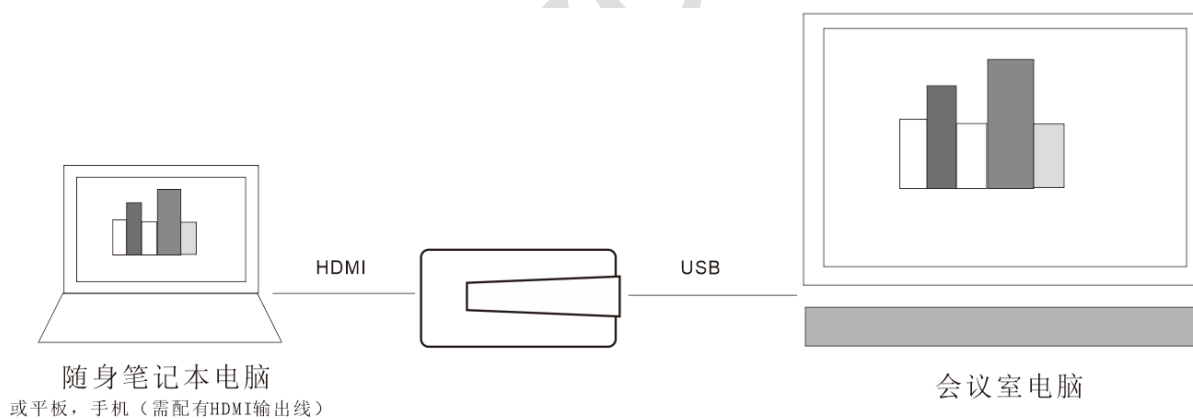


2, 在“Capture Device”项目下，选择“Video camera” ---“/dev/video0” then click “play”



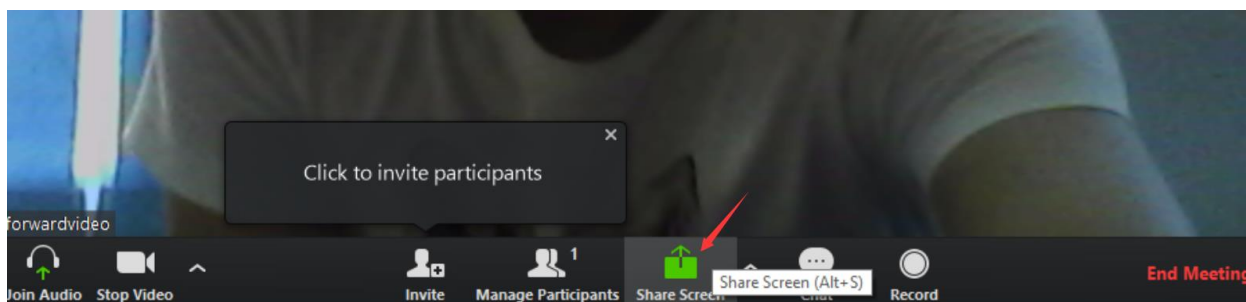
## 用于视频会议分享:

- 1, 首先下载并安装视频录制软件(OBS, VLC 等), 安装在用于视频会议的电脑上 (安装有视频会议软件: Zoom, Skype for Business, WebEx, BlueJeans)
- 2, 将要分享内容的笔记本通过 HDMI 连接到 ezcap287, ezcap287 通过 USB 连接到视频会议的电脑:

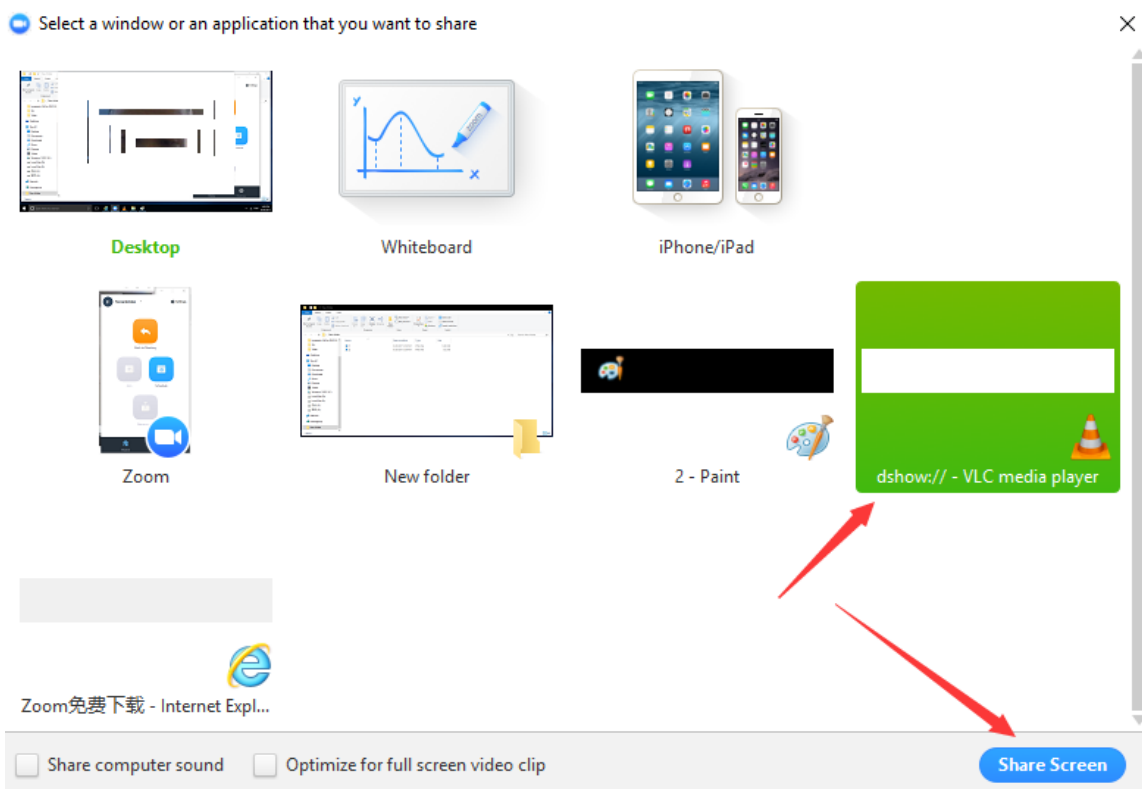


### 以“Zoom”来举例:

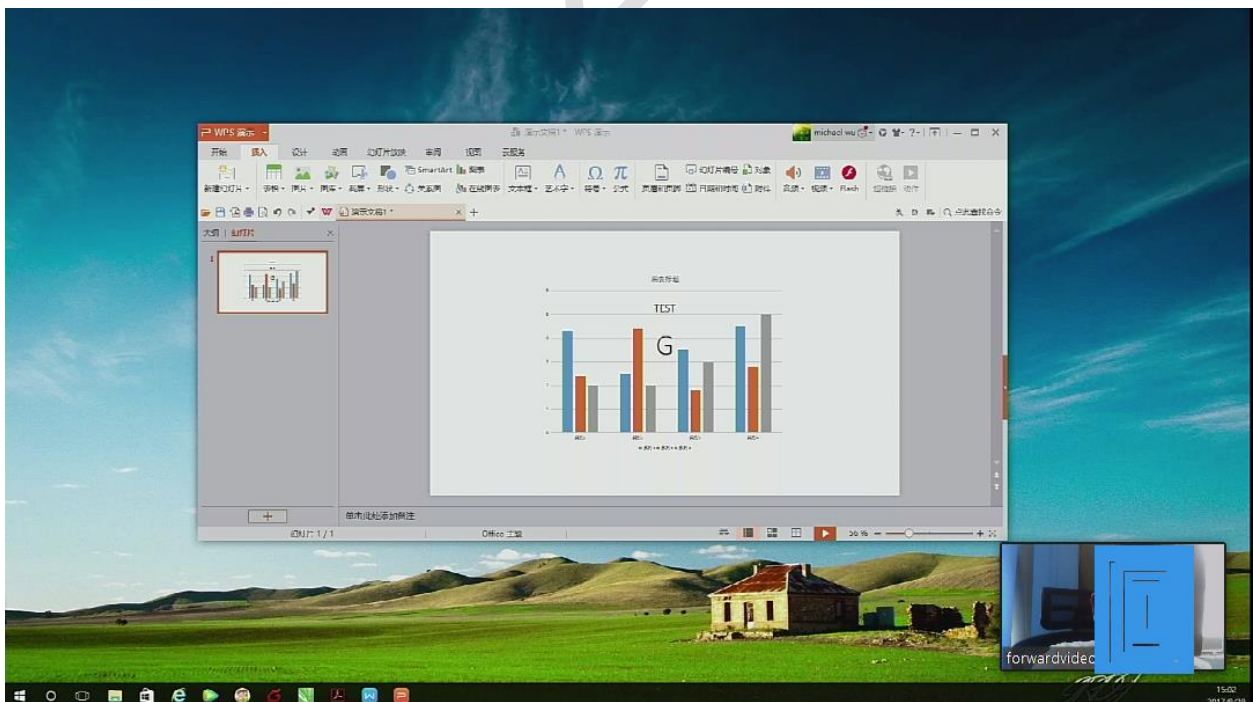
用 VLC(或其他如 OBS 等应用软件) 打开 “FHD Capture”并设置得到视频 (如上操作)  
在视频会议界面, 点击“Share Screen:



选择“VLC Media Player” (或其他的打开 FHD Capture 的软件), 然后点击“Share Screen”:



演示者和演示内容可以同时展示:



产品规格参数:

接口连接

界 面	USB 3.0 ( ezcap265C 为 USB-C 接口)
视频输入	HDMI
音频输入	HDMI, 3.5 毫米麦克风 (仅 ezcap261M / 266 有效)
视频输出	HDMI (仅 ezcap261 / 261M / 266 有效)
音频输出	HDMI (仅 ezcap261 / 261M / 266 有效)

硬件规格

尺寸	95(长) X 39(宽) X 19(高) 毫米 (ezcap87)
重量	40 克 (ezcap287)

包装内容

设备	ezcap287 (ezcap261 / 265 、 265C / 261M / 266) USB3.0 全高清游戏采集盒
其它	USB3.0 线材, 使用指南

规格参数

系统要求	Windows 7,8,10, Mac OS X 10.9 或以上, Linux。台式机: Intel Core i5-3400 + NVIDIA GT630, 笔记本: Intel Core i7-U 2.0 GHz + NVIDIA GT735, Mac: i5 quad-core 或以上, 显卡兼容于 DirectX 10, 声卡, 4GB RAM, USB 3.0 供电: 内置 USB 3.0 控制器的英特尔芯片组 (Renesas, Fresco 等)
支持分辨率	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), 4K30 仅支持 HDMI 输入, 仅 ezcap266 支持 4K30 HDMI 输出。
<b>支持第三方软件</b>	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.
<b>采集质量</b>	最高 1080P 60 帧