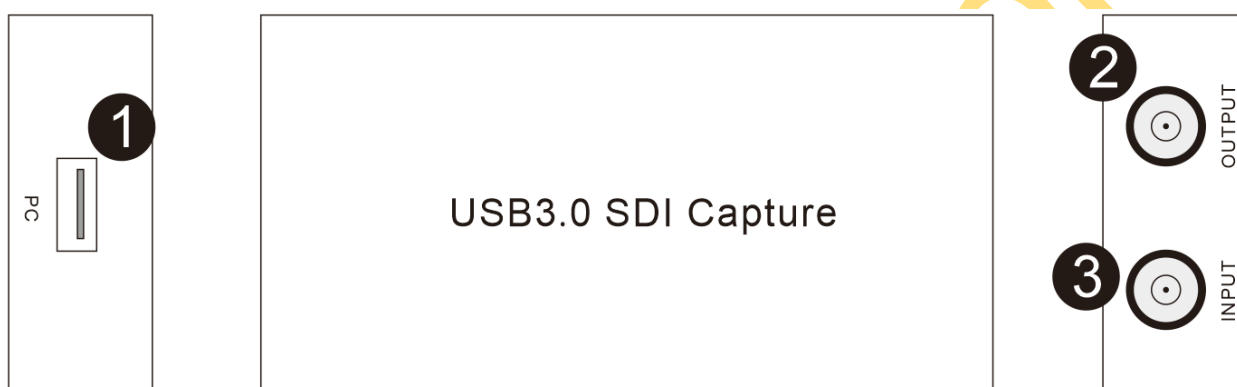

USB3.0 SDI Video Capture

Quick Start Guide

Thanks for purchasing ezc262 USB3.0 SDI video capture. The following guides you how to set up. Hope this device will bring you nice digital experience.

With ezc262, 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 camera video, or other SDI HD video sources.

Features:



1. USB3.0 port – To connect to computer.
2. SDI output port – Loop through from the input
3. SDI input port – Connect video source with coaxial cable

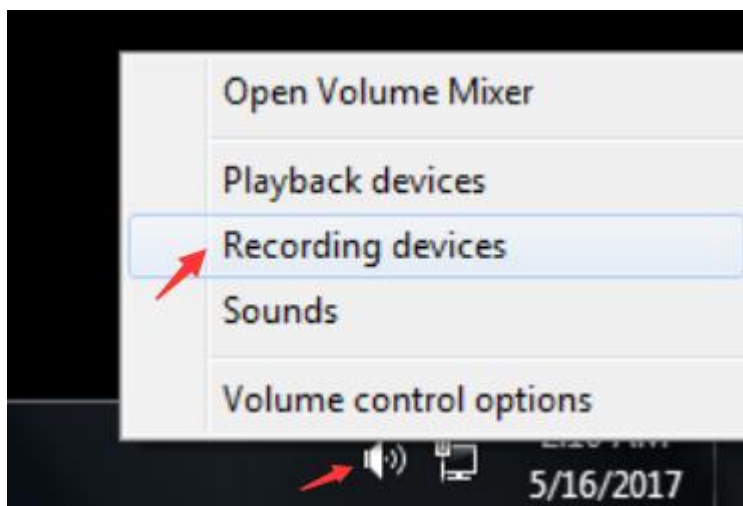
Work on windows

First of All

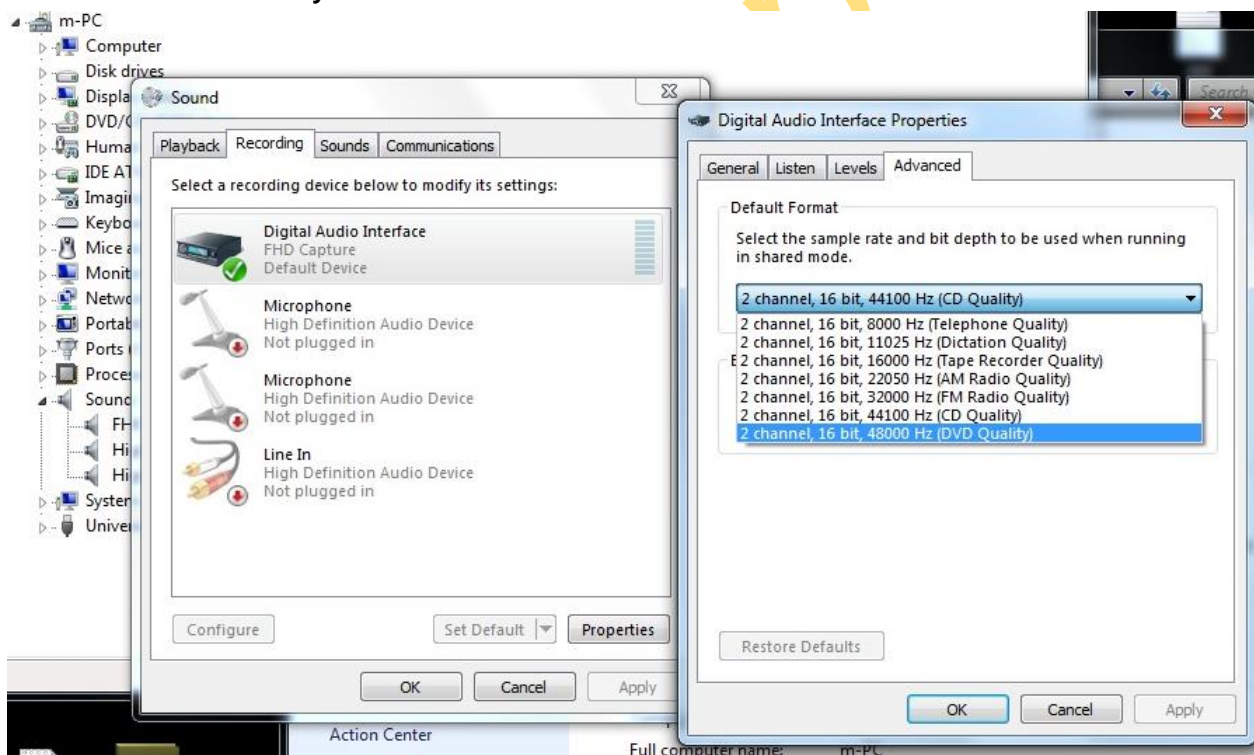
Set the audio capture sample rate :

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

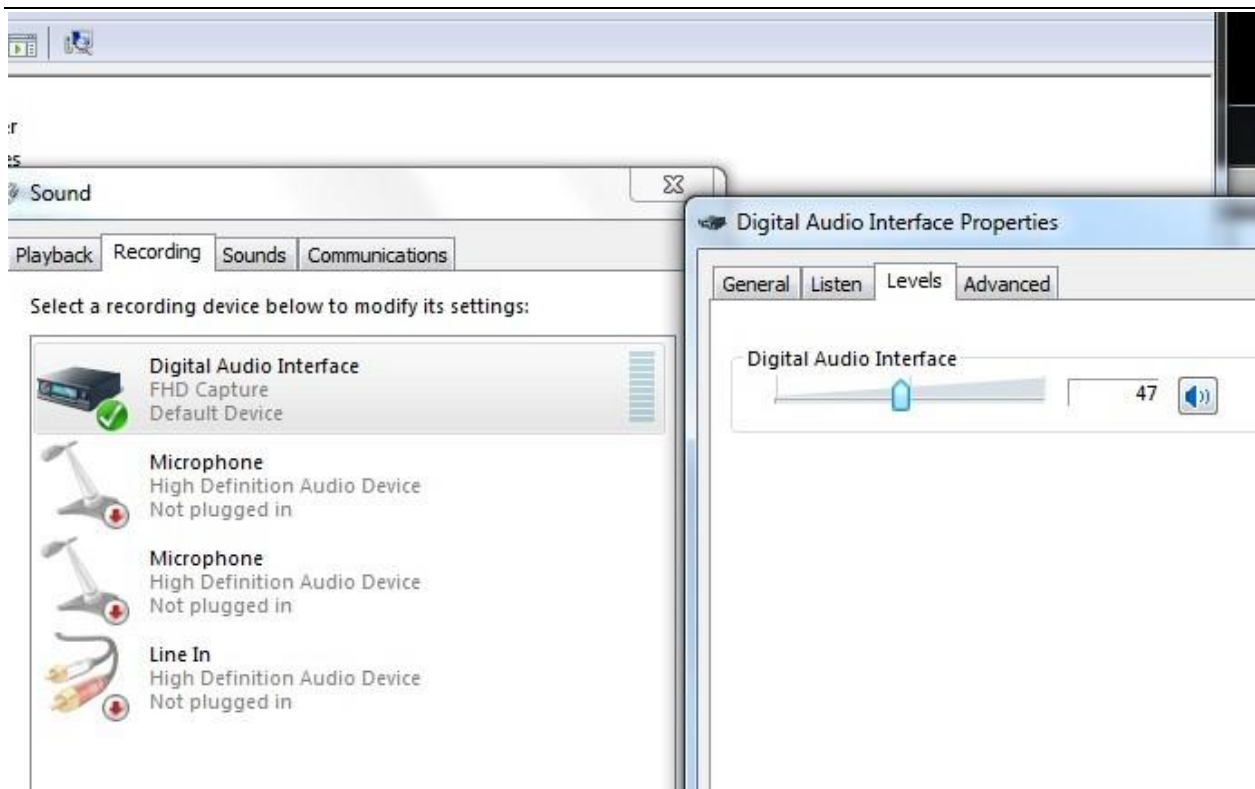
1), After connect the device to computer, right click on "Speaker" of your computer, choose "Recording devices"



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:

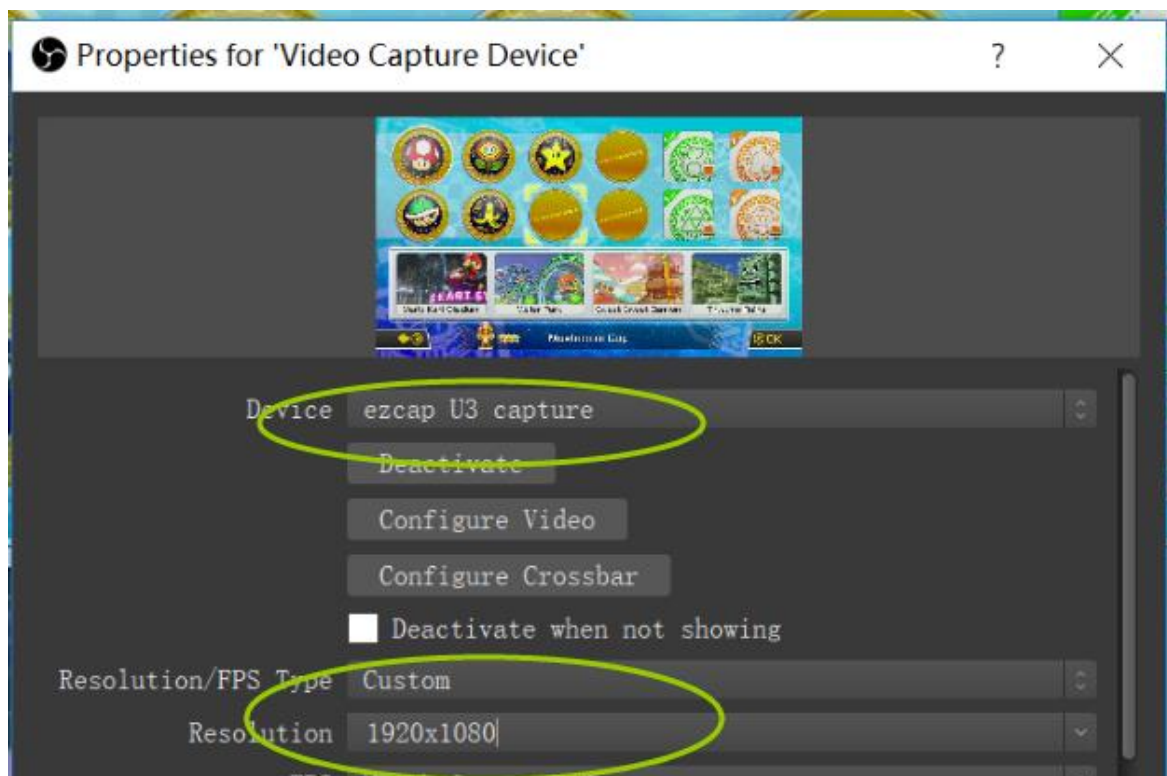


Work with OBS Studio:

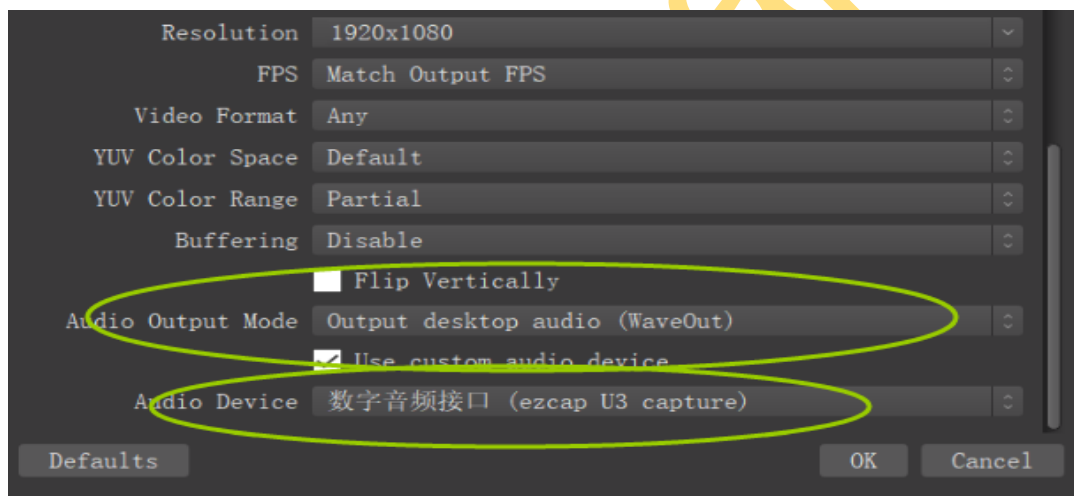
1, Go to obsproject.com/download to download OBS Studio according to your computer's operating system, and install it on your computer.

Connect ezcap262 to computer with USB3.0 cable, and connect video source with HDMI cable. Windows will install the driver automatically, and you will see "ezcap U3 capture" in device manager. Connect the output to TV monitor with coaxial 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":

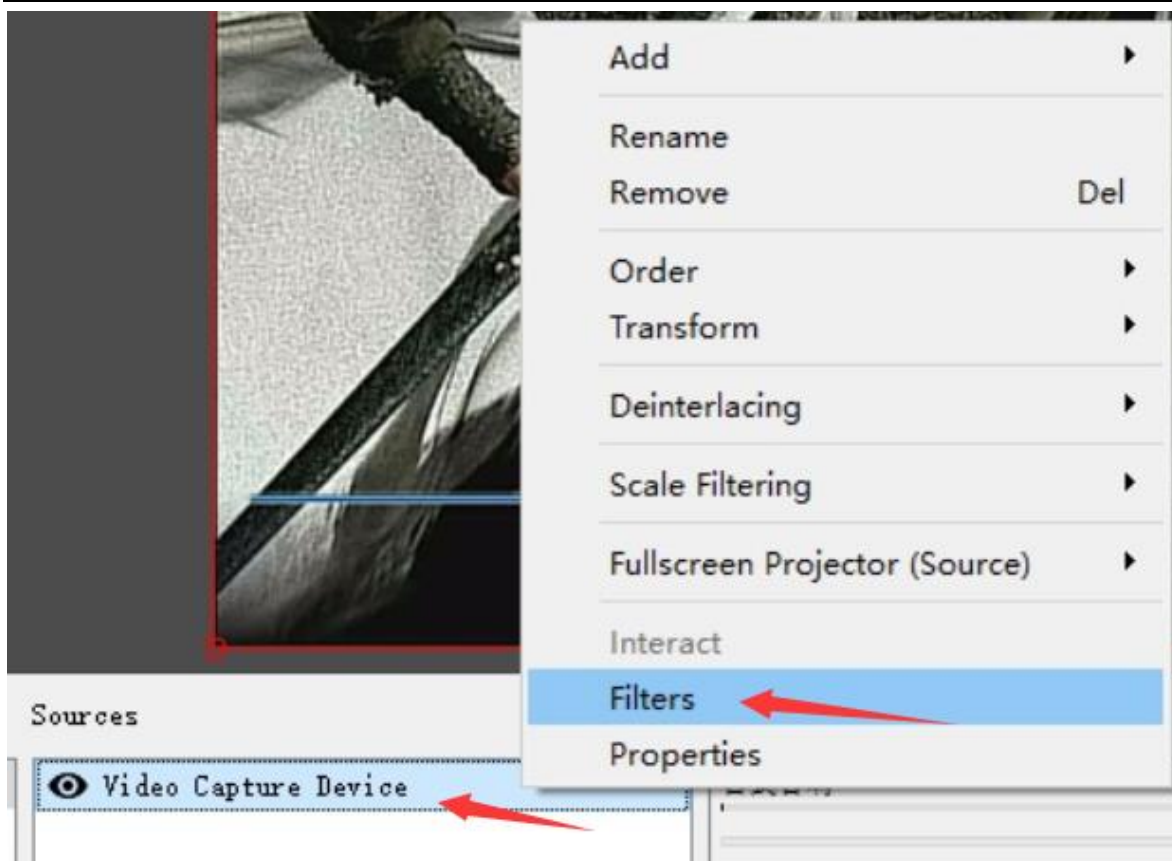


3, At Set Audio Output Mode to “Output desktop audio (WaveOut)”, Audio Device to “ezcap U3 capture”:

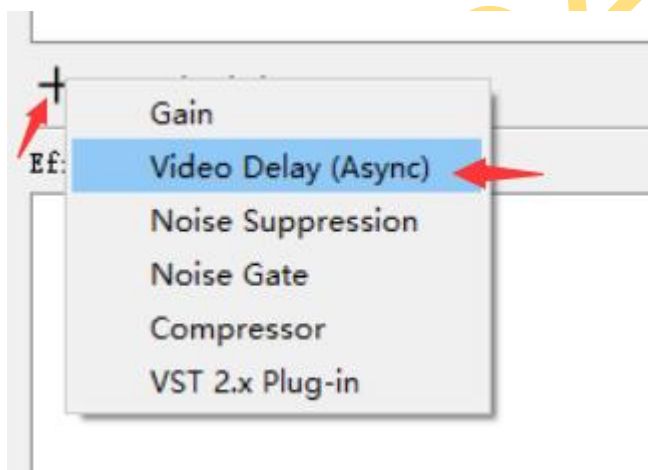


4, Set the video latency for make the audio and video synchronized:

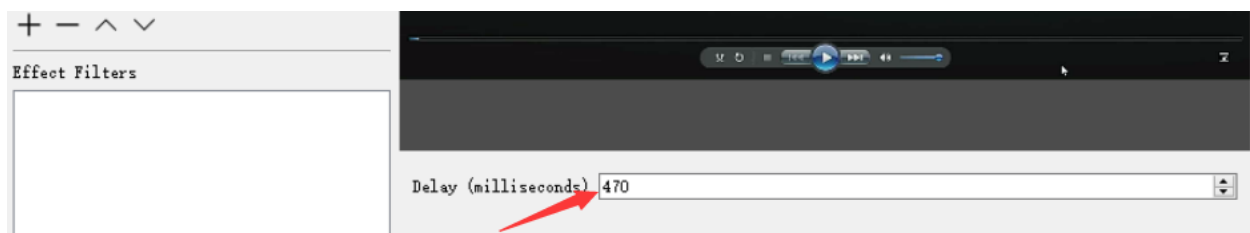
1) Right click “Video Capture Device” then click “Filters”:



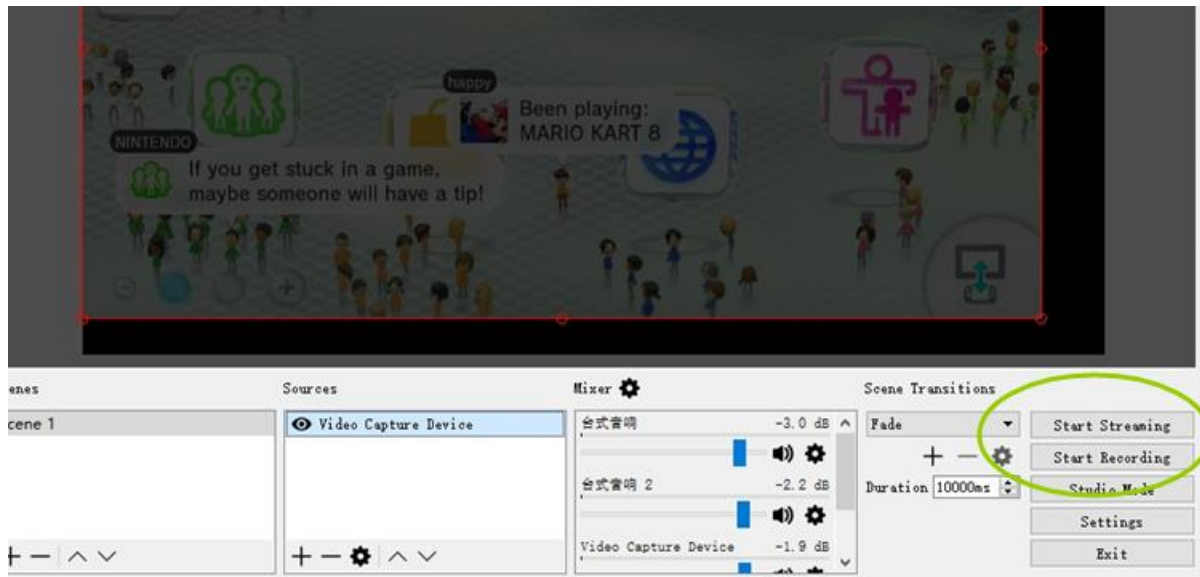
2) Click to add "Video Delay (Async)" :



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

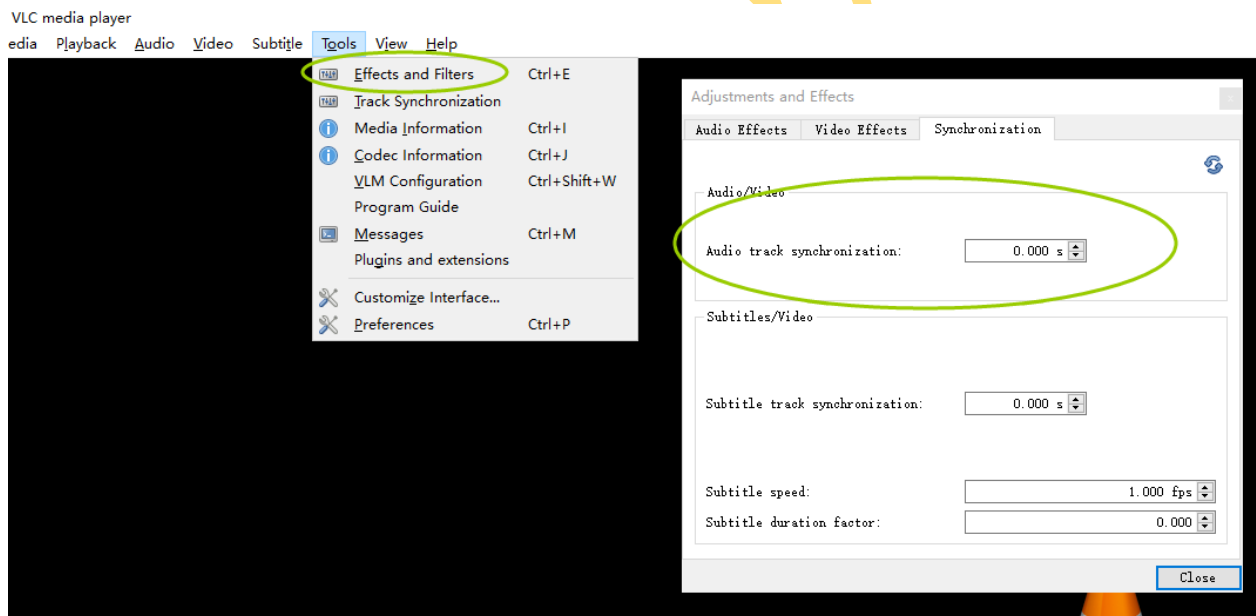


5, Then you can recording or streaming video:

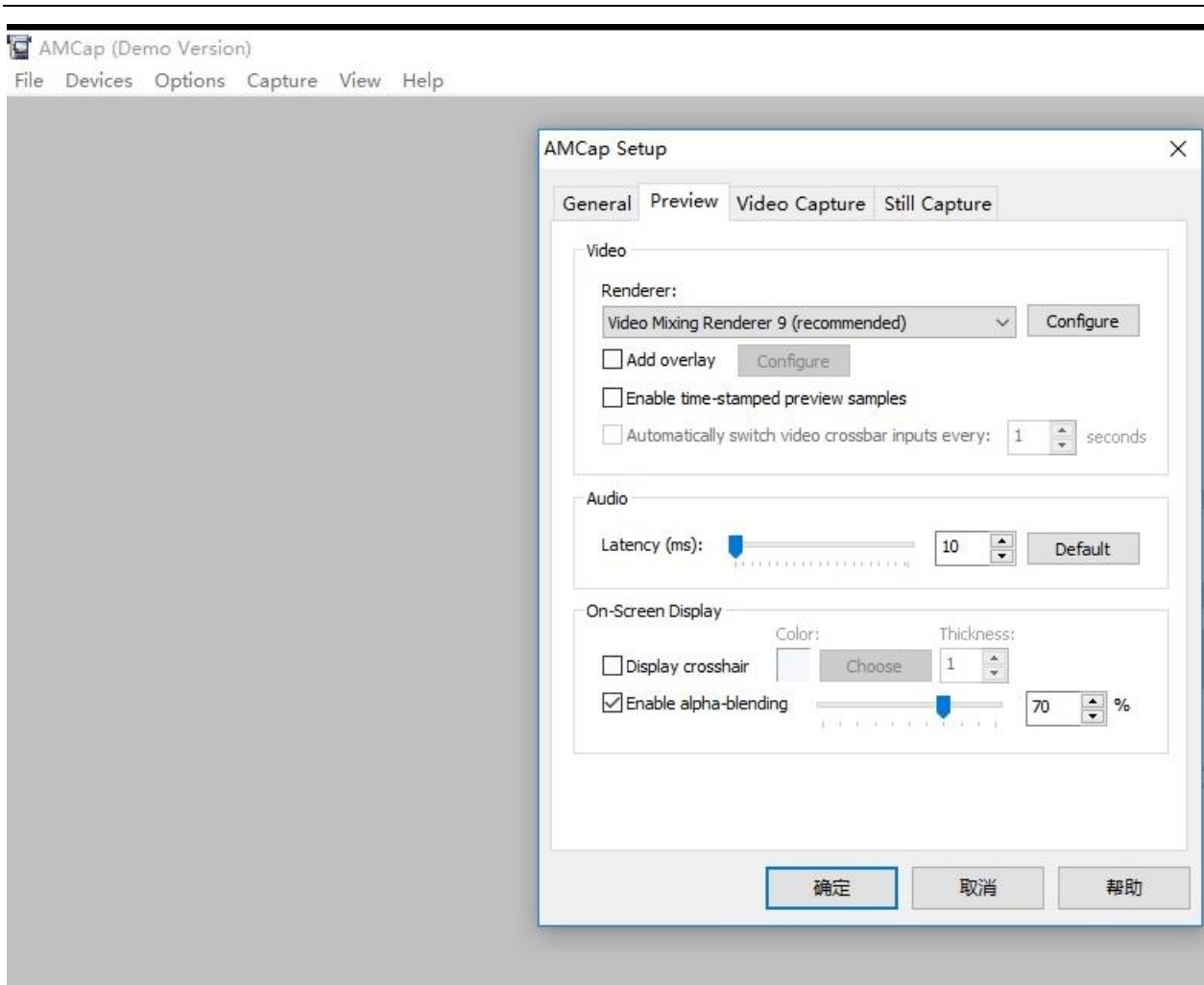


For other applications may also need settingfor synchronous problem:

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, Potplayer...):
Just run the application then choose capture device to “ezcap U3 Capture”.

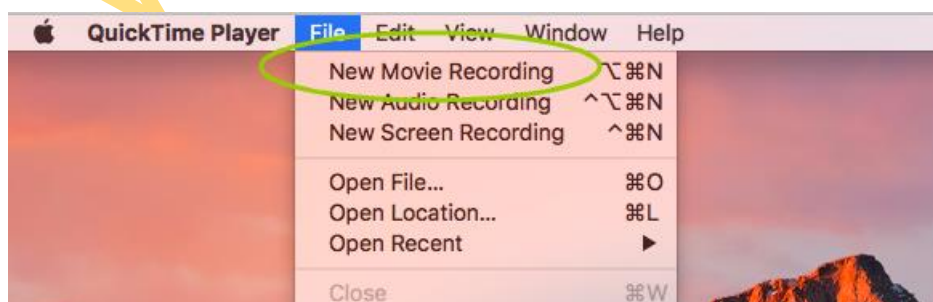
Work on MAC:

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:

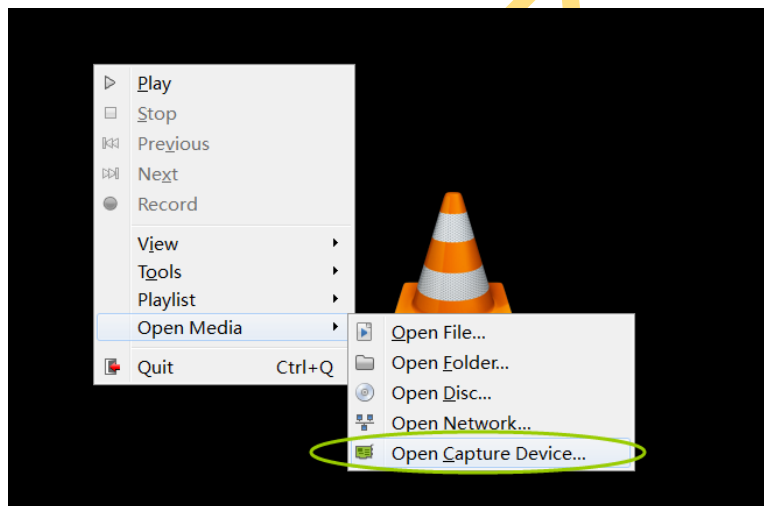
Work with OBS Studio:

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

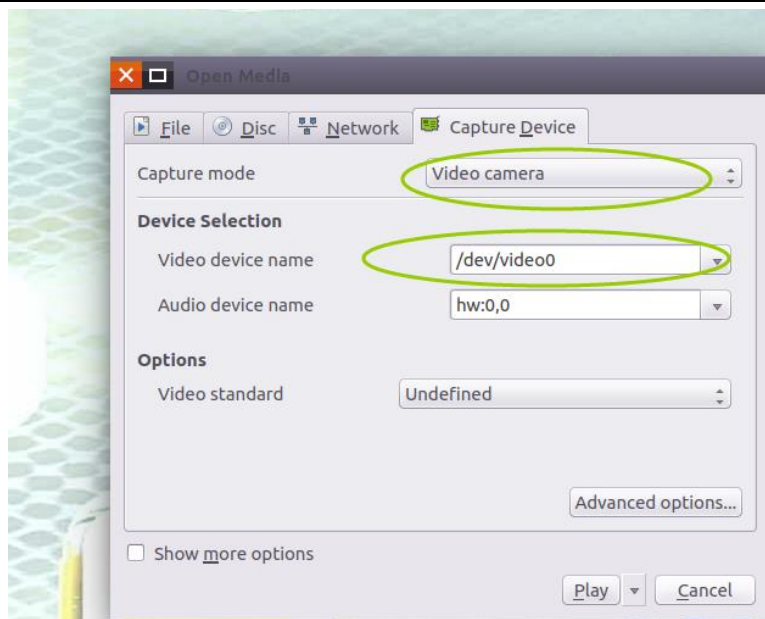
(note: Your Linux should meet OBS requirements)

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"



Specifications:

Connections

Interface	USB 3.0
Video Input	SDI
Audio Input	SDI
Video Output	SDI, USB
Audio Output	SDI, USB

Hardware Extra

Dimensions	107*55*21 (mm)
Weight	80g

Package Contents

Device	ezcap262
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Others	USB3.0 cable, manual
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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 ...)
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

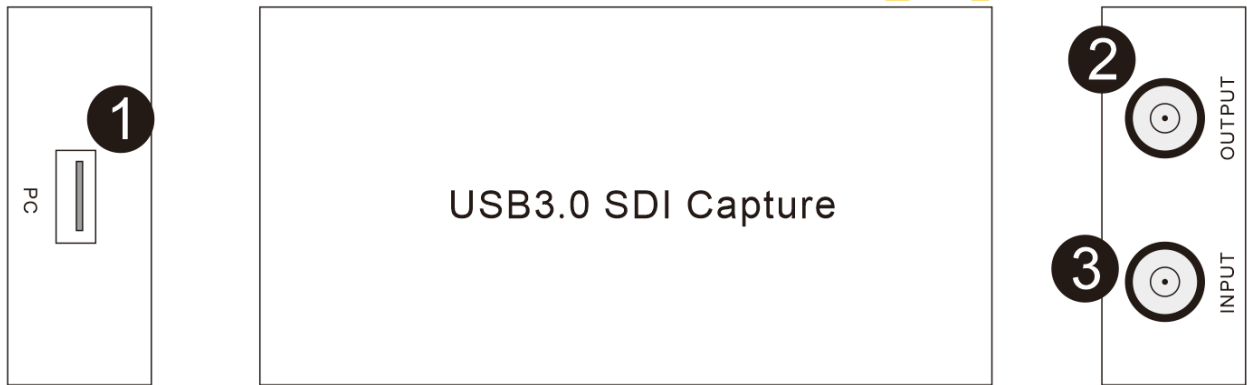
USB3.0 SDI 全高清采集盒

使用指南

非常感谢您购买我司研发生产的 ezcap262 高清采集盒，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 ezcap262，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 SDI 摄像机，或其他 SDI 视频源。

产品特点:



1. USB3.0 端口—连接到电脑闲置的 USB3.0 接口。
2. SDI 输出接口 – SDI 环出。
3. SDI 输入端口—通过同轴线(需自购)连接 SDI 相机。

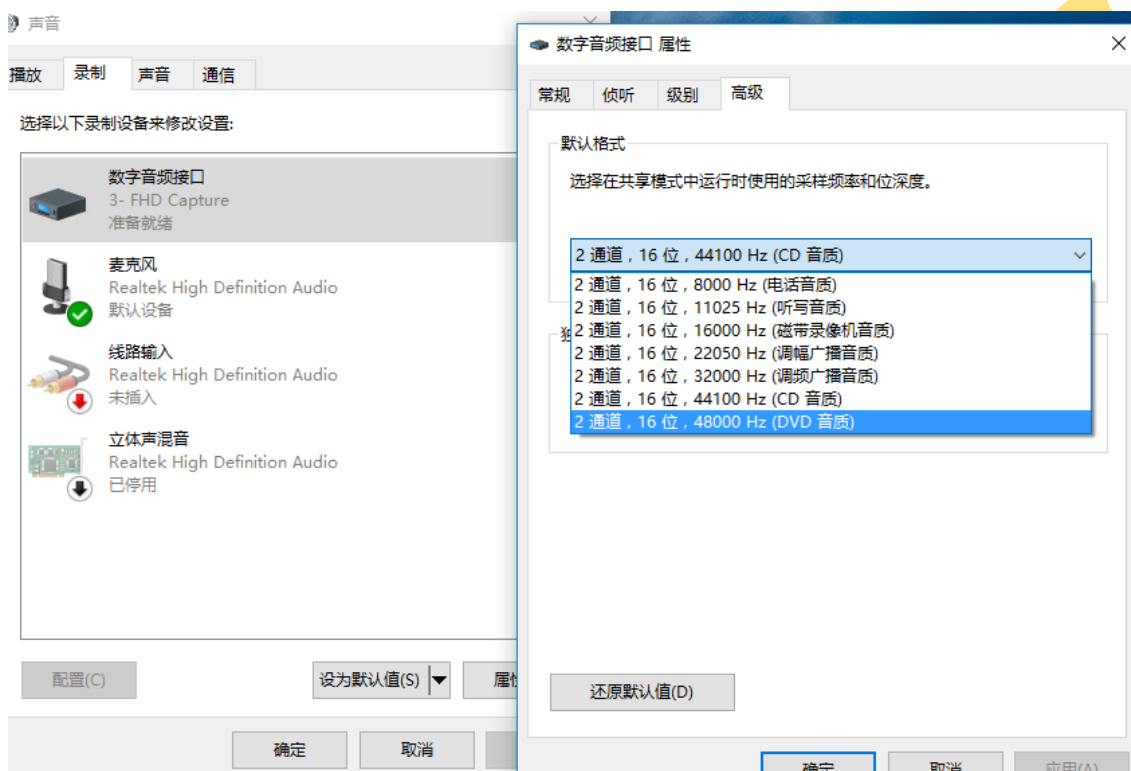
Windows 系统操作说明

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。

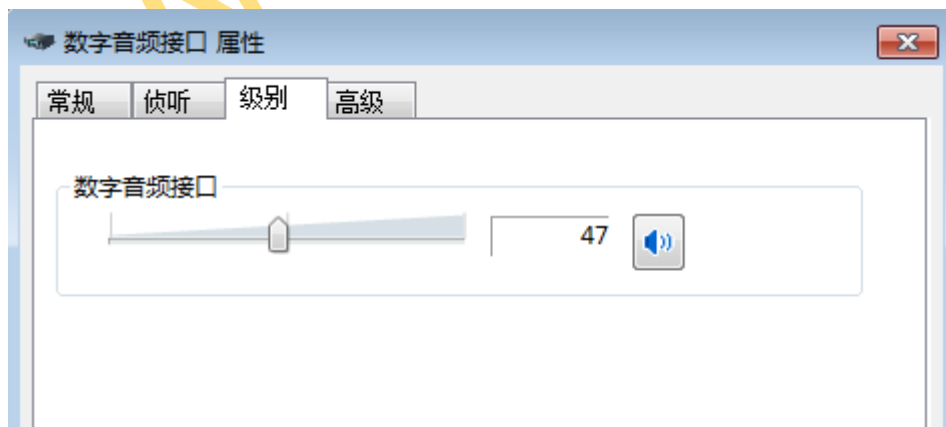
- 1, 机器连接到电脑后，右击电脑桌面右下角的扬声器图标，选择“录音设备(R)”。



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:

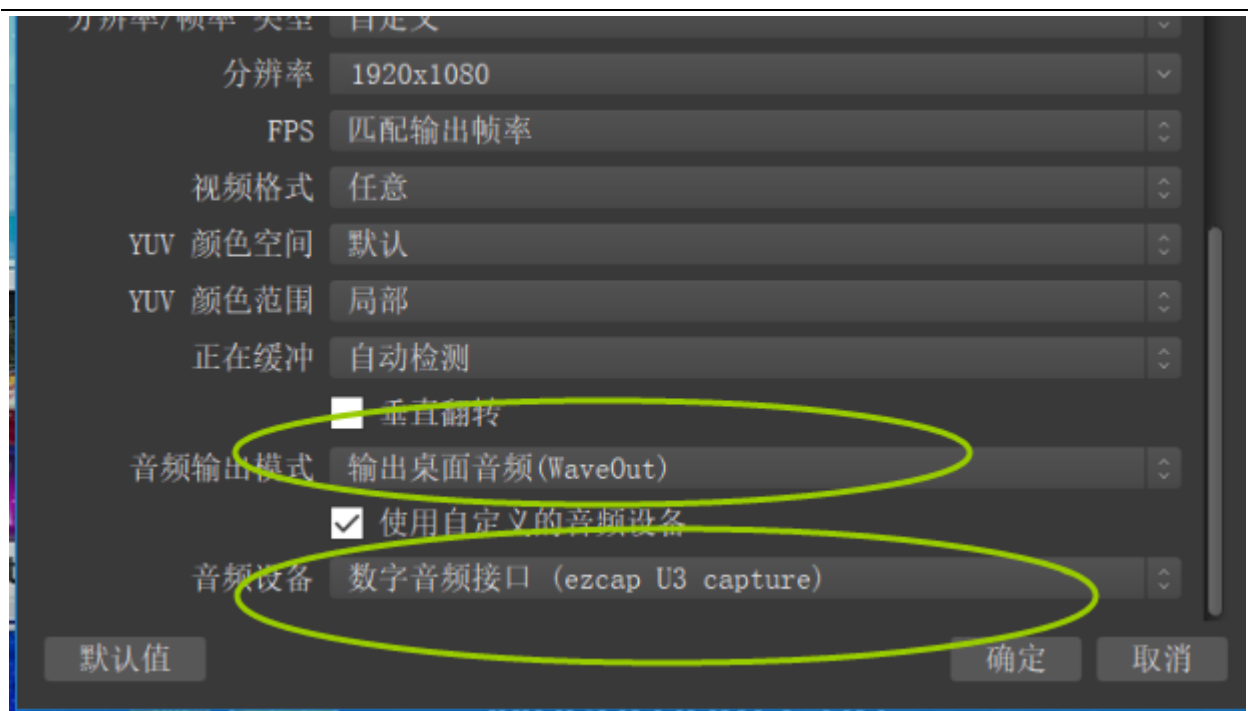
1, 请去 obsproject.com/download 链接,并根据电脑操作系统下载对应的 OBS Studio 安装程序,并根据安

装程序提示安装。

2, 用 USB3.0 线材连接 ezcap262 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”下看到“ezcap U3 capture”字样。用一根同轴线连接 ezcap262 和需要采集的摄像机的 SDI 输出接口, 就完成了初步安装和连接工作。如果有需要, 可以用一条同轴线连接 ezcap262 的 SDI 输出与 SDI 显示器相连以环出视频。

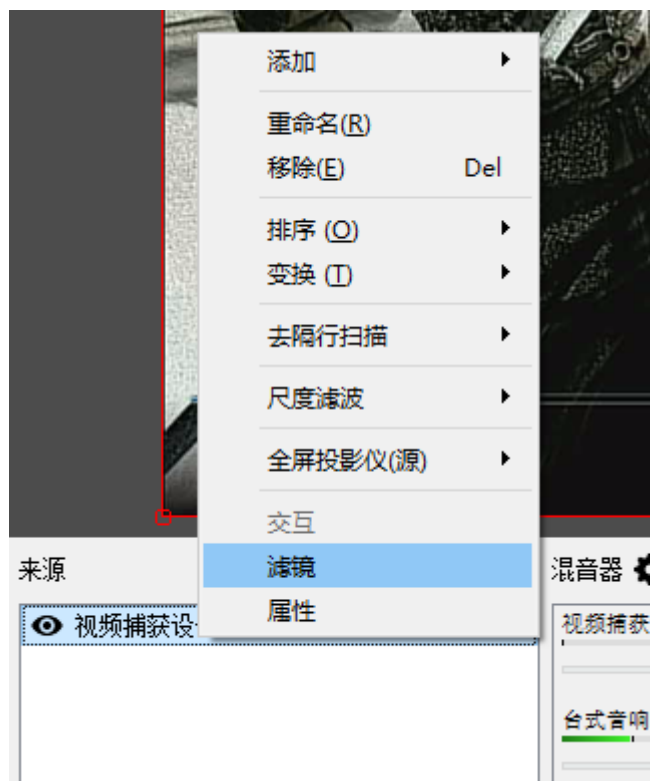
3, 双击打开 OBS Studio 软件, 点击“来源”窗口下的“+”图标, 在出来的画面里点击“视频捕获设备”。在“设备”旁的下拉框里选择“ezcap U3 capture”, 在“音频输出模式”旁下拉框里选择“输出桌面音频(WaveOut)”, “音频设备”旁的下拉框里选择“数字音频接 (ezcap U3 capture)”, 并点击“确定”。



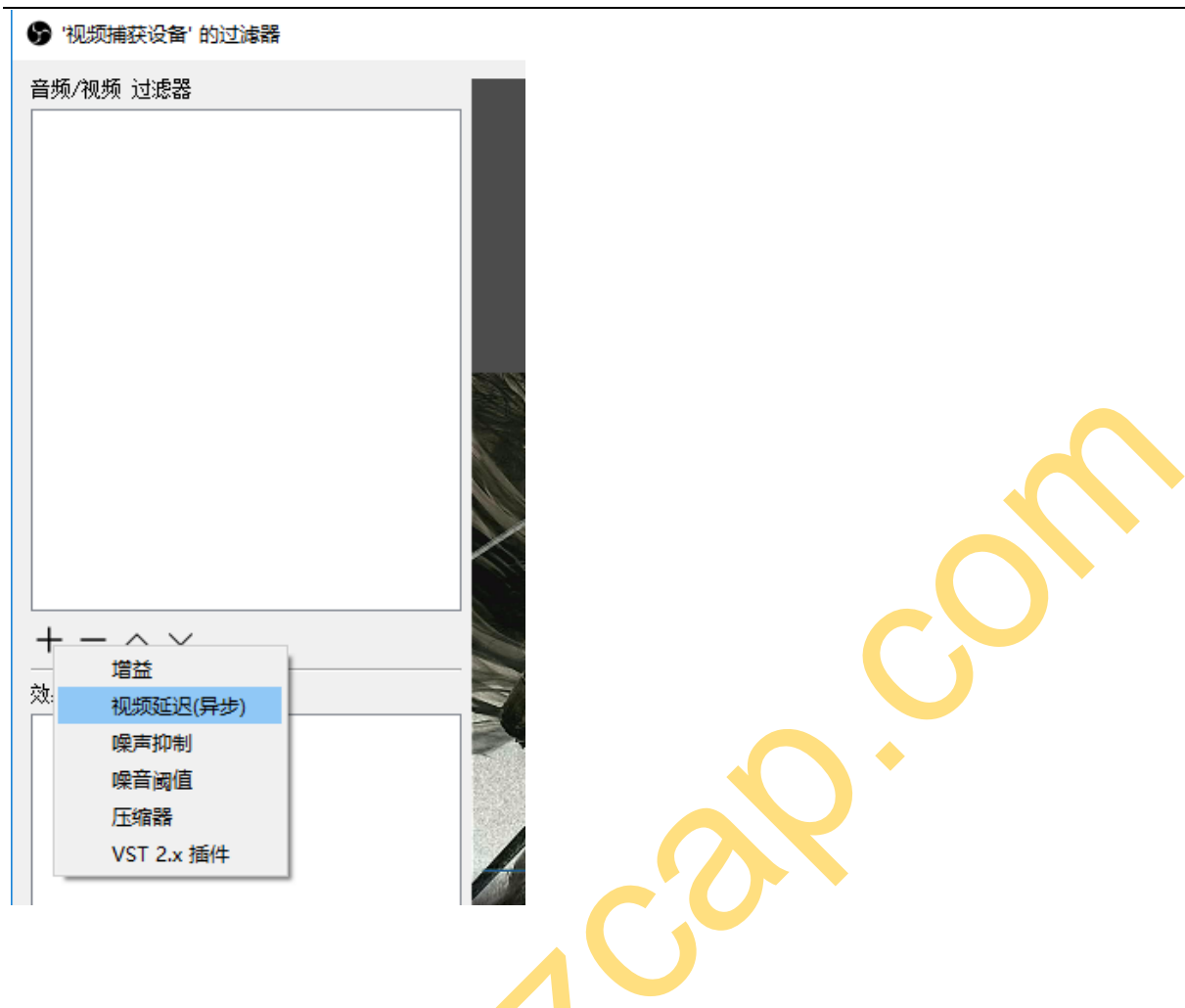


4, 为了使音视频同步, 设置视频延迟。

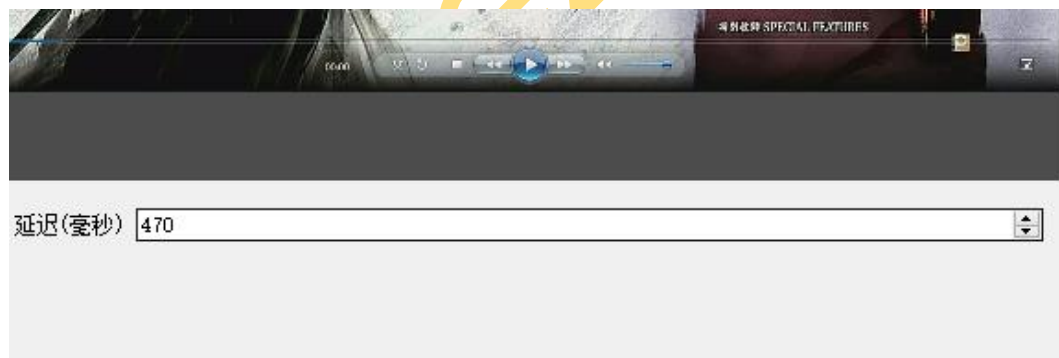
-右击"视频捕获设备", 选择"滤镜"。



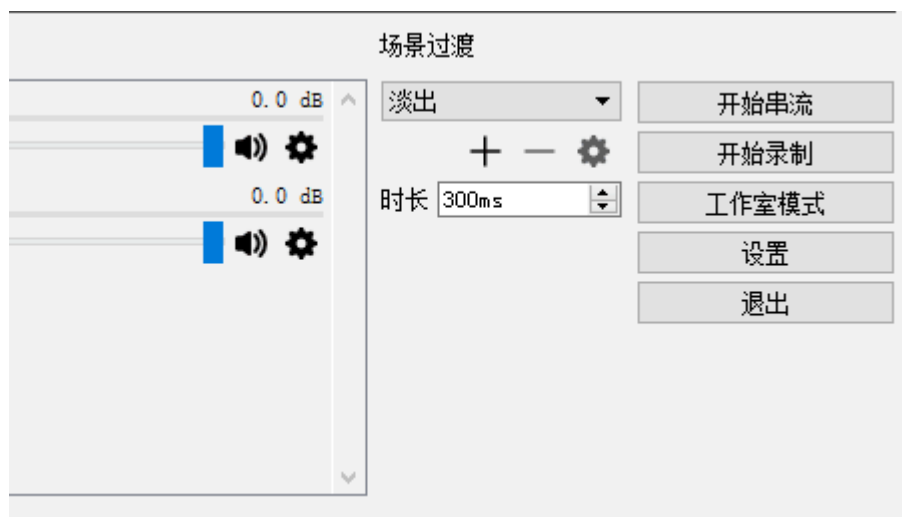
-在弹出的视窗中, 点击"十"后选择"视频延迟(异步)"。



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

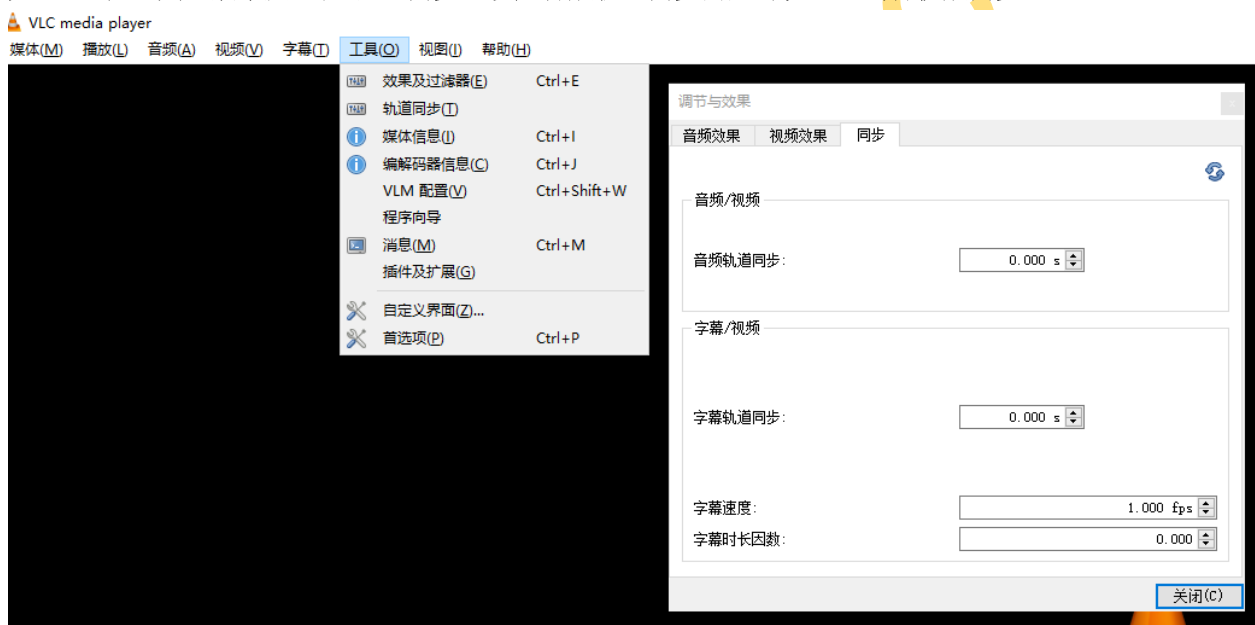


5, 现在你就可以开始录制或者串流你的高清视频了。

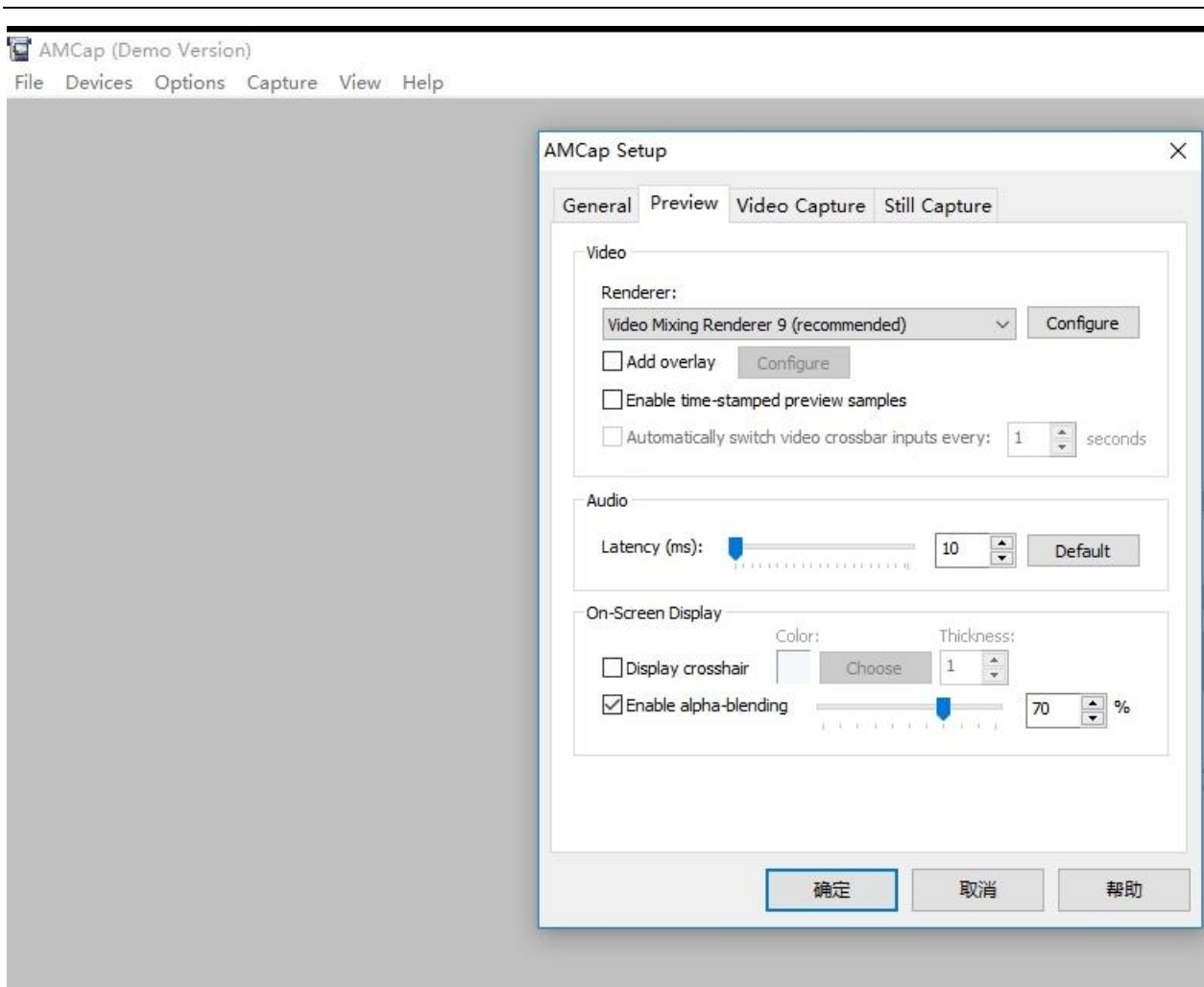


对于其他的应用软件也会遇到同步问题，也需要作类似的设定：

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:



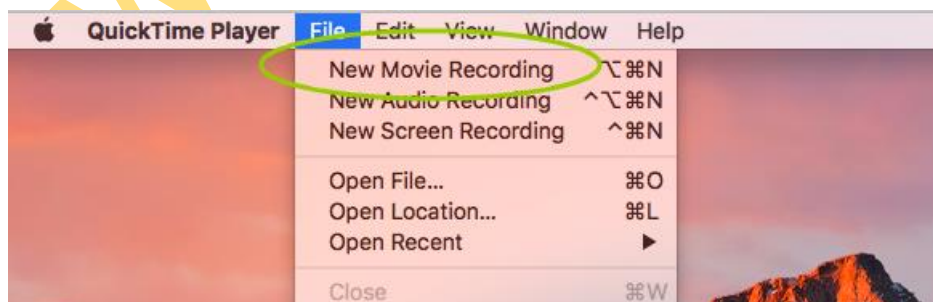
如果你想与其它第三方应用软件配合使用（比如 VLC, Media encoder, Potplayer...），只要选择该软件的采集设备为“ezcap U3 capture”即可。

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”：



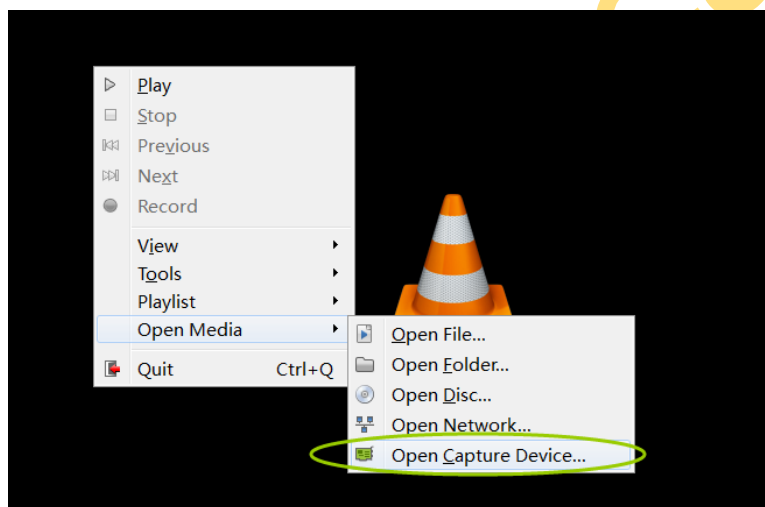
Linux 系统使用说明

配合 OBS Studio 使用，通 Windows 使用说明相同。

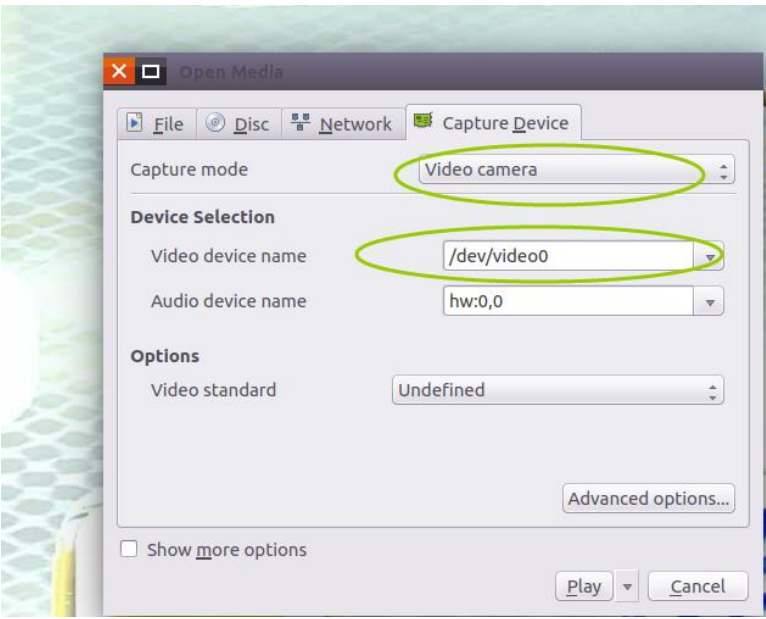
(注: 您的 Linux 系统配置一定要符合 OBS Studio 运行要求)

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”



产品规格参数:

接口连接

界 面	USB 3.0
视频输入	SDI
音频输入	SDI
视频输出	SDI, USB
音频输出	SDI, USB

硬件规格

尺寸	107(长) X 55(宽) X 21(高) 毫米
重量	80 克

包装内容

设备	ezcap262
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)
支持第三方软件	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.
采集质量	最高 1080P 60 帧