

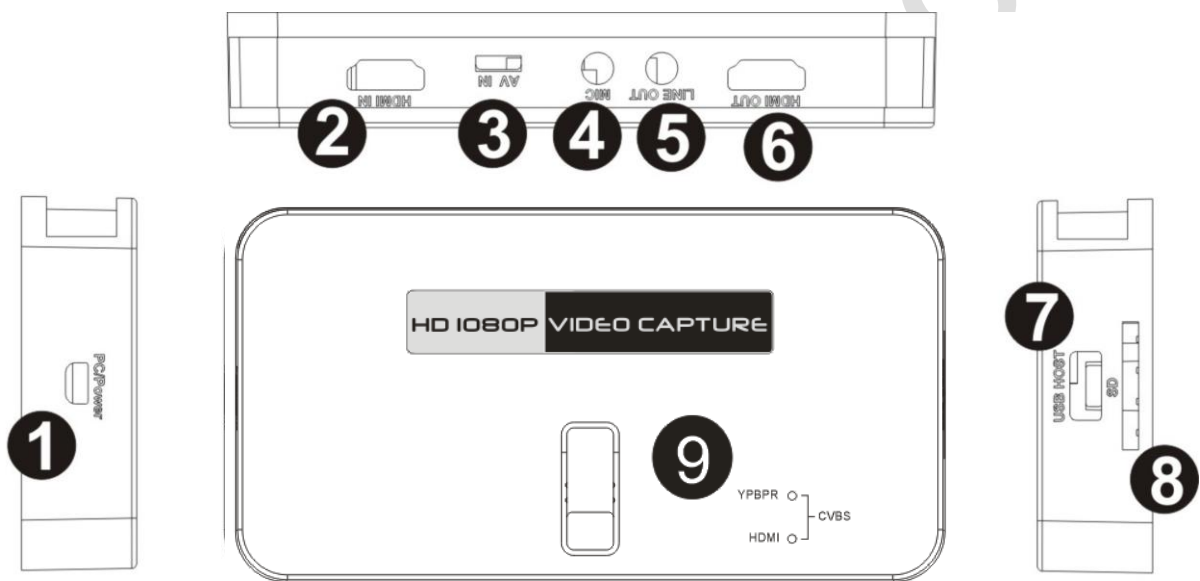
# HD Video Capture

## Quick Start Guide

Thanks for purchasing ezcap284 HD Video Capture. The following guides you how to set up. Hope this device will bring you nice digital experience.

With this ezcap284 HD Video Capture, you can capture up to 1080P video from HDMI ,Ypbpr (component) or composite port, such as blue ray, set-top-box, computer, game box, VHS, etc. With remote control, can set input signal manually, recording quality, or capture a still image by SNAPSHOT button.

### Features/ports and buttons:

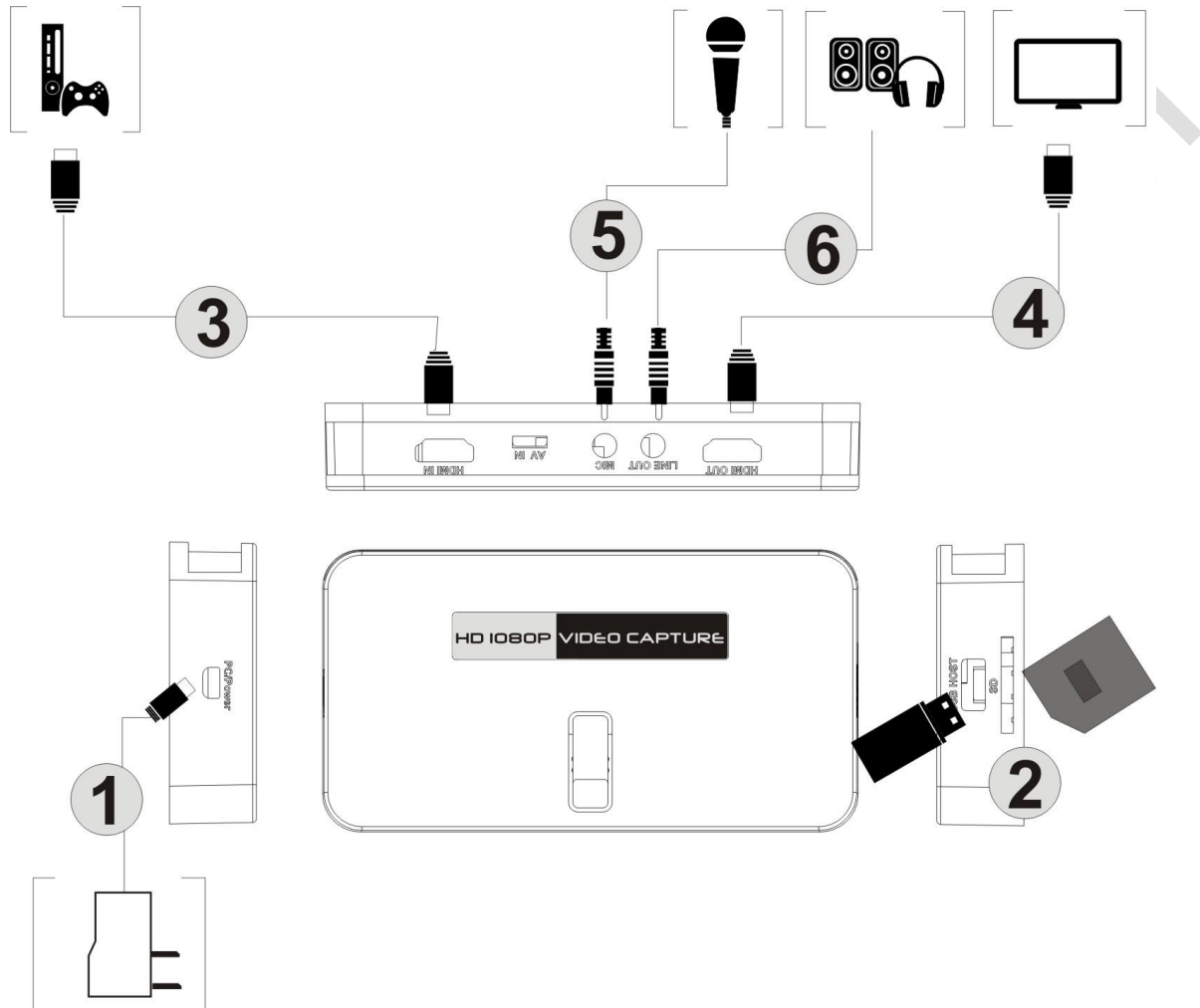


1. PWR—DC 5V power supply.
2. HDMI IN—HDMI input.
3. AV IN —Ypbpr component or composite input through adapter cable
4. MIC—For connect a microphone and record voice comments when play game.
5. LINE OUT—Audio output.
6. HDMI OUT—HDMI output, so can connect to monitor to pass through display the input video.
7. HOST—Plug a USB flash (or USB HDD) to save record video.
8. SD—Plug a SD card to save record video.
9. Record button and LED indicator—Press button to record/stop record, the indicator shows the work status

## Connections:

Ezcap284 have 3 input modes: HDMI, component, composite. It will automatically recognize the input video source if only connect one source. You can also use remote controller to choose the input source if you connect 2 or 3 video source same time.

### Connect with HDMI input source:



1, Connect power with DC adaptor

2, Plug an USB disk or a SD card (Note: ezcap284 will only recognize the first connected one if you connect USB disk and SD card both).

3, Use HDMI cable connect Xbox or other source.

4, With HDMI cable connect to monitor

5, The "LINE OUT" is for connect to speaker or earphone, it's not necessary if you don't need, cause the HDMI output also with audio output.

6, You can connect your microphone to record your comment when play game, it's not necessary if you don't need it.

**Important:**

**1,** Use “**safety remove**” option to remove your USB drive or HDD after format from computer, **DO NOT** just plug out without click “safety remove” option, otherwise you will cause problem during recording.

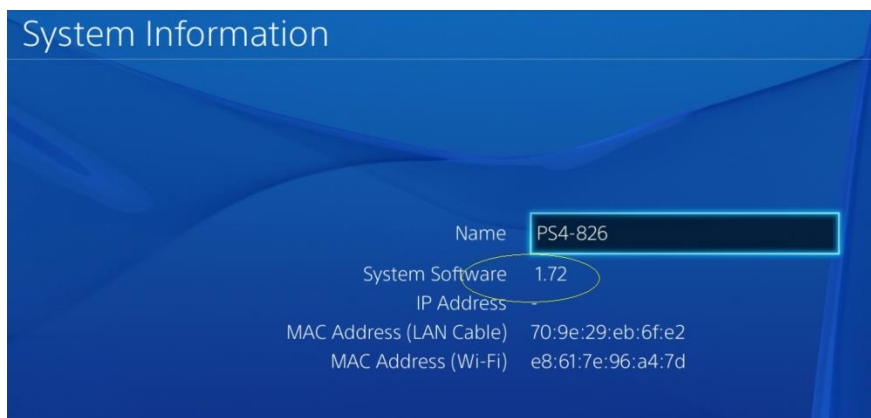
**2,** Some HDMI video sources may have HDCP protection; you cannot get the pass through video and record it.

**3,** PS3 need to with HDMI Splitter to decode HDCP, if not, will can not working. And for PS4, if not with HDMI Splitter, need to disabled HDCP option (check the steps as below).

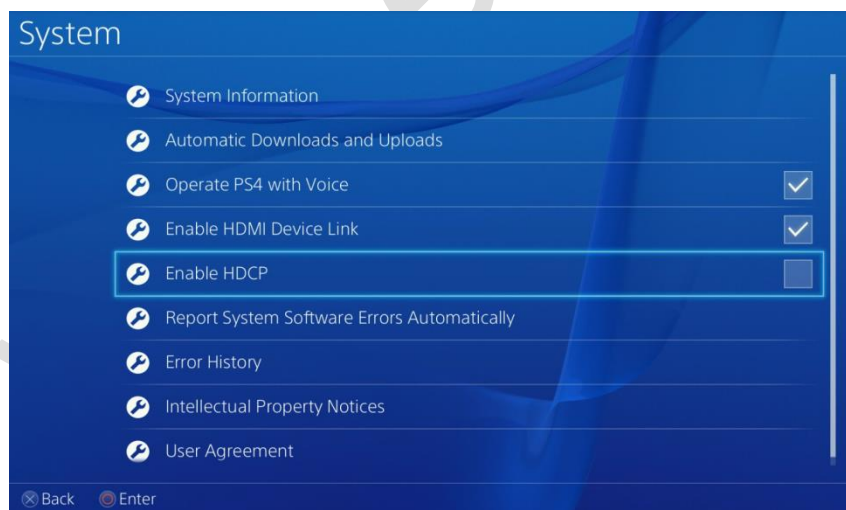
**4,** Note: Disable HDCP option is only for game play, not for blue ray DVD play

**PS4 Setting:**

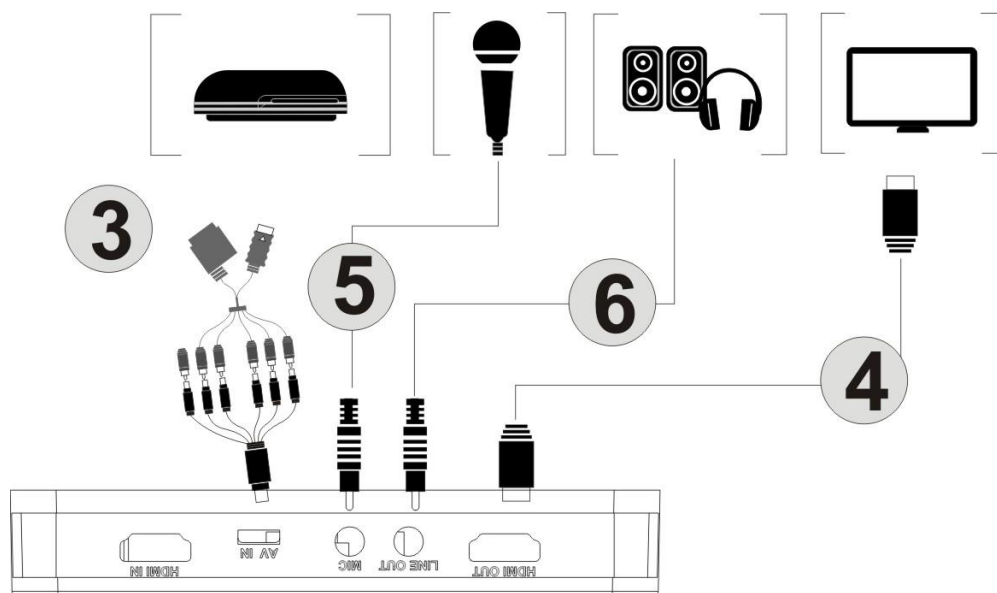
It has disabled HDCP option for firmware 1.7 or later: Make sure the system is 1.7 later:



Go settings---System disable “Enable HDCP” option:



**Connect with Ypbpr component video source (such as DVD player, PS3. Etc):**



1, Connect power with DC adaptor

2, Use the adapter cable in the package to connect component (red, blue, green), just don't mix the red with the audio cable (the audio cable red and white will be separated with component)

3, With HDMI cable connect to monitor

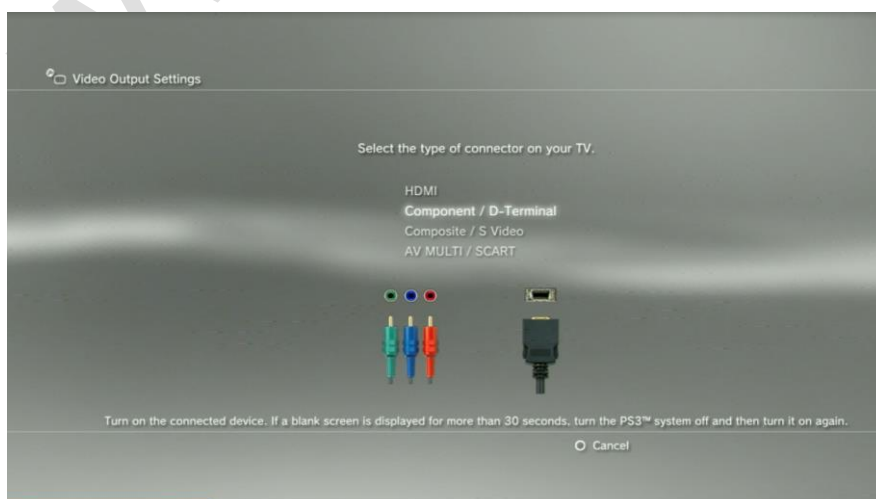
4, Plug in an USB drive.

5, The "LINE OUT" is for connecting to speaker or earphone, it's not necessary if you don't need, cause the HDMI output is also with audio output.

6, Connect a Microphone to the MIC port if you need record speak from microphone, it's not necessary if don't need.

### PS3 setting: For the Component input

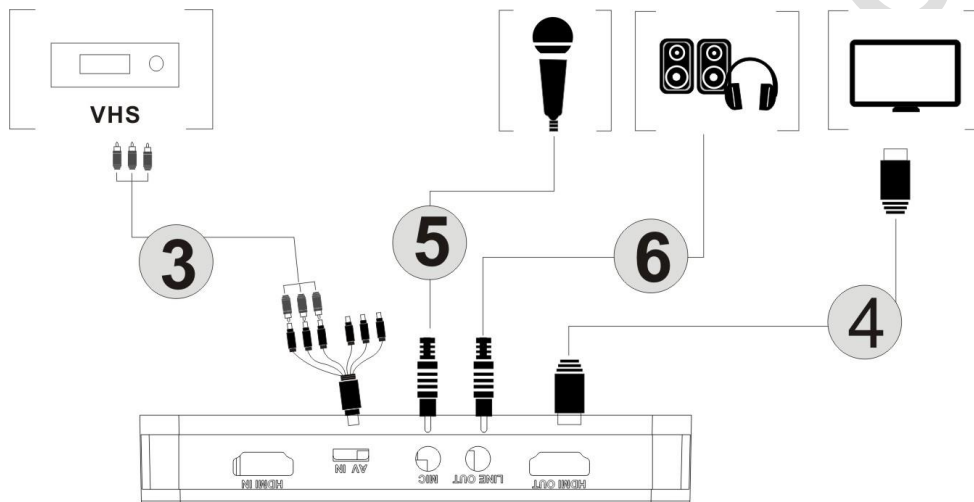
Go to the settings---Video output settings, choose "Component/D-Terminal":



At the resolutions setting, make sure the “1080P” option is NOT be ticked, otherwise some game play (e.g. GT5) cannot be recorded by ezcap284:



**Connect with composite video source (such as PS2, VHS, V8, Hi8, Etc):**



1, Connect power with DC adaptor

2, Connect the composite (yellow cable and red white audio cable) to your video source with the adapter cable come with the package.

3, With HDMI cable connect to monitor

4, Plug in an USB drive.

5, The “LINE OUT” is for connecting to speaker or earphone, it’s not necessary if you don’t need, cause the HDMI output is also with audio output.

6, Connect a Microphone to the MIC port if you need record speak from microphone, it’s not necessary if don’t need.

## Remote controller

REC/STOP—Start and stop recording.

720P—Change record quality to 720P, only effect when Input source is more than 720P

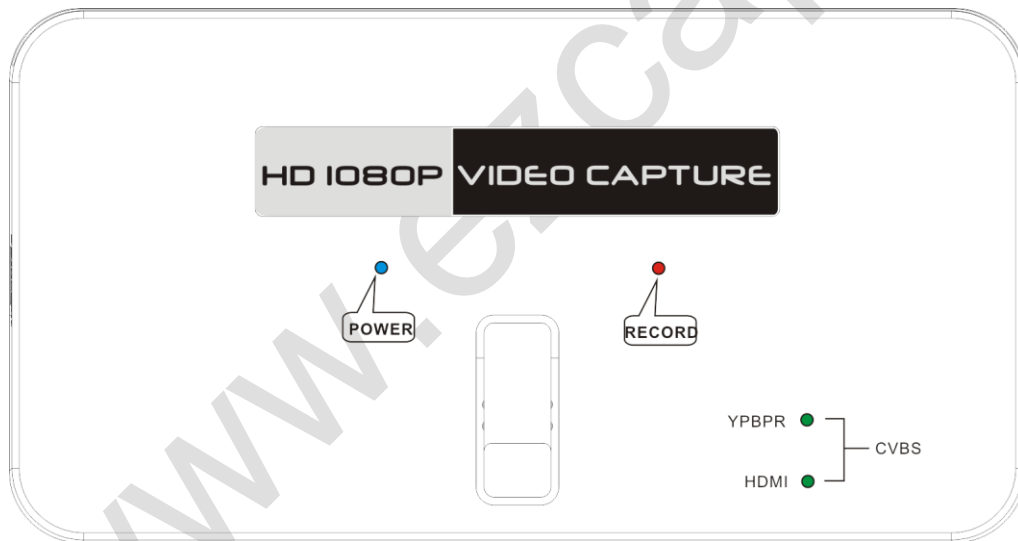
1080P—Change record quality to 1080P, only effect when input source is 1080P

CVBS/YPbPr/HDMI—Select input source.

SNAPSHOT—To capture one still image with one press  
Won't work during recording.



When operate, there are LEDs show the status:



The BLUE POWER LED will on when connect power.

The RED RECORD LED will on when recording.

The green YPBPR LED will on when choose input source YPbPr.

The GREEN HDMI LED will on when choose input source HDMI.

The booth two green LED will on when choose input source CVBS.

## Record:

You should see the pass through video on the screen after connection is ready (no matter composite,

component, or HDMI). You will see the blue indicator shows on. It means now is ready to record.

To record video is very simple --- press the record button, then you will see the RECORD indicator turns on, it means now recording.

There are several reasons for no actions when press record button, you may need check:

- 1, The input video source disconnected.
- 2, The USB drive is out of memory.
- 3, The format for USB drive is not suitable, e.g. exFAT. Ezcap284 support FAT, FAT32, and NTFS.
- 4, The USB drive is not connected well.
- 5, The USB drive is not ready, normally, it will take 4~8 seconds after plug it on.

To stop recording, just press the button again, will see indicator flash few seconds then turns off, means the record is stop, now you can take off your USB flash (or SD card).

**Note:** please do not take the memory off when the indicator is flashing. The recording will automatically stop if the USB flash or SD card out of space.

After stop recording, connect the USB flash or SD card to computer will see the recorded files: for 1080P recording, file will be Encode\_1080P\_1, for 720 or 480p recording, file will be Encode\_1.

Every record/stop operation will create a different recording file: Encode\_1080P\_1, Encode\_1080P\_2, Encode\_1080P\_3... and so on.

The max size per file will be around 1.95GB (around 15 minutes for 1080p video), when you record a video more than 1.95GB(15 minutes), ezcap284 will partition it in more than 1 file, for example: if you record a 45 minutes 1080p video by one click recording, you will see 3 files: Encode\_1080P\_1, Encode\_1080P\_1\_1, Encode\_1080P\_1\_2...and so on

Sometimes you may find that some recorded video with problems, like: skip. It may caused by you are using a USB flash on NTFS format, and you haven't click "safety remove" the device when disconnect from computer (especially for USB HDD, if not safety remove, may caused serious problem). You can try to format it to FAT32 if that problem keeps happen.

## Firmware and others:

1, Update firmware: you maybe need update firmware for this device for some reason. Copy the firmware file in to USB disk or SD card, power off the device (unplug power jack), plug USB disk to device, power on, the record indicator will flash 7~8 seconds, and become blue, it means the update is finished.

2, After long time using, you will see the number of recording file become too big, for example Encode\_1080P\_234, but you want it be start from Encode\_1080P\_0, to do it you just keep press

record button (before power on), then plug the power jack to power on the device, after 10 seconds, the file number will start from 0.

3, Change the date: you may find out that the date of the recorded file is not synchronous with your local time. To change the time of ezcap284, you need create a TXT file name "rtc\_setup" type your local date and time with following format (for 2014 July 31 11:00:00):

```
/:2014
/:7
/:31
/:11
/:00
/:00
/:0
```

Should be exactly same format as it (first line be year, second line be month..etc, end with /:0 , each line with start "/:"), and save it.

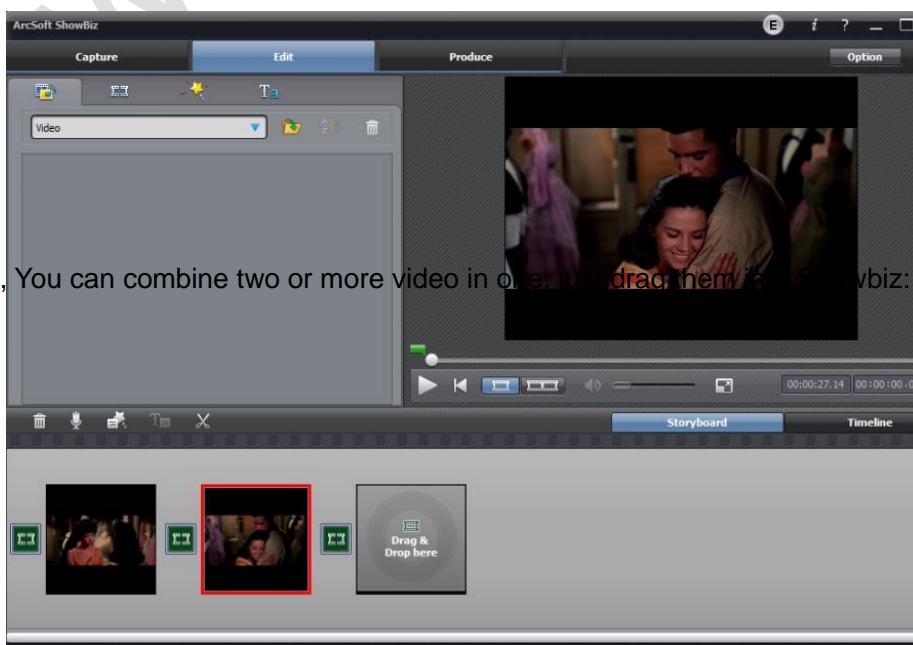
Then copy the rtc\_setup file to a SD card or USB flash, connect to ezcap284 then power on, then the time is set ready.

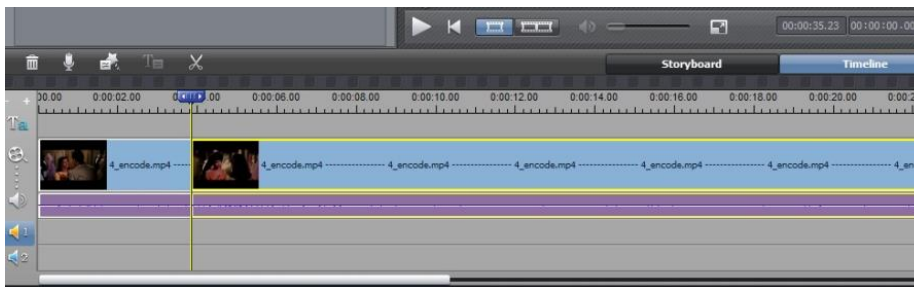
## Edit/Convert recorded files:

The ezcap284 come with a video edit software—Arcsoft ShowBiz 3.5, you can edit your video file with it.

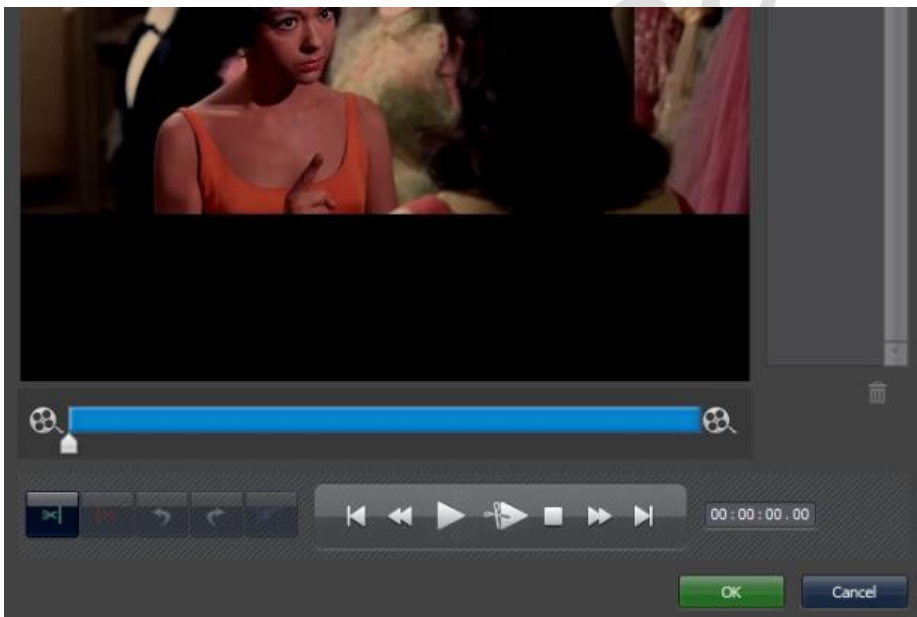
After install it on computer, and open it.

1, You can combine two or more video in one, just drag them to Showbiz:





2, You can cut a video to two or more:



3, Click "Produce" after editing, you can create DVD or upload video to YouTube:

4, Please click “Create file” to create multiple files for different devices, such as apple, PSP, mobile phone, etc:



## Specifications:

## Connections

Interface	USB 2.0 Host, SD Card
Video Input	Digital: HDMI
	Analog: Component Video, Composite Video
Audio Input	Digital: HDMI
	Analog: RCA L/R, 3.5mm Micro Phone In
	<b>Note:</b> Microphone without pass through for HDMI input
Video Output	Digital: HDMI (Pass-through from HDMI, component or composite)
Audio Output	Digital: HDMI (Pass-through from HDMI, L/R)
	Analog: 3.5mm Stereo (Pass-through from HDMI or Audio RCA L/R Input)

## Package Contents

Device	HD Video Capture
Others	AV adapter cable, USB DC adapter, USB Cable for connecting to USB DC adapter or PC, Remote control, Software CD, User Manual

## Hardware Extra

Codec	Hardware H.264 encoder
User Interface	On-board Hot Button for one-click recording
	LED indicator for working status
Dimensions	140(L) × 70(W) × 23(H) mm
Weight	115g

## Standards

Storage Media	USB Flash Disk, Portable Hard Disk, SD Card
	Note: The exFAT format is not supported.

<b>Resolution</b>	<b>Input / Pass-through:</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)
	<b>Capture:</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 (25p), 1920 x 1080 (30p)
	Note: Upscaling is not supported.
<b>Record Format</b>	Video: MP4, Audio: AAC Stereo
<b>Record Quality</b>	Max: 18Mbps@1080P 30fps
<b>Record File</b>	Max: 2GB / Per File
<b>Record Place</b>	Max: 140MB / Minute, 8.4GB / Hour
<b>Power Supply</b>	DC 5V / 2A with Mini USB port

## Applications

<b>Software</b>	Arcsoft Showbiz
<b>Video Editing</b>	Timeline / Storyboard edit, Split / Divide Scenes, Multi Trim Scenes ...
<b>Video Export</b>	Upload to YouTube
	Portable Device: iPod, iPhone, iPod Touch, Apple TV, PSP, PS3, Xbox
	File: MPEG 1 / 2 / 4, WMV HD, QuickTime (MOV) ...
<b>Operating System</b>	Windows 8 (32 / 64 bit), Windows 7 (32 / 64 bit), Windows Vista (32 / 64 bit)
<b>CPU</b>	Intel Core 2 Duo 2.8GHz, AMD Athlon 64X2 Dual Core 3.0GHz
<b>Memory</b>	4 GB RAM
<b>Graphics Card</b>	VGA card with support for DirectX 10.0c or above

## FAQ:

### 1, Why can't record video through HDMI port of PS3 and some DVD player?

- Because HDCP protection of HDMI signal. You need to buy one HDMI splitter to decode HDCP. Of course, it's illegal in some countries and areas.

### 2, Why can't record video with ezcap284 HD video capture device?

- Please make sure your monitor display the video at first. If not, please check all the cables connection, and check your HDMI video source has HDCP protection (like point 2, if that, you can't get video on your monitor).
- For PS4, you need to disabled HDCP option following the option in manual. And the option is only for games, not for Blue-Ray DVDs.
- Please make sure your USB drive or USB HDD isn't out of memory, and don't take your USB drive off when the REC LED is flashing. The recording will automatically stop if the USB drive is out of memory.
- Please make sure your USB drive or USB HDD is the right format – it doesn't support exFAT format. Please format them in your computer, and FAT32 is the best choice. Please use "safety remove" option to remove your USB drive, don't just plug out directly without "safety remove" option. Sometimes maybe you still find your recorded video with problems if without "safety remove".
- Usually USB drive will flash seconds (If your USB drive includes LED inside, and don't care this if it's no LED inside) when you just plug it into ezcap280 device, then turn off. And it will flash after you press REC button to start recording, if not, it means not recording.
- For recording PS3 with YPBPR (Component video), please set following the option in manual.

### 3, How to update the latest firmware?

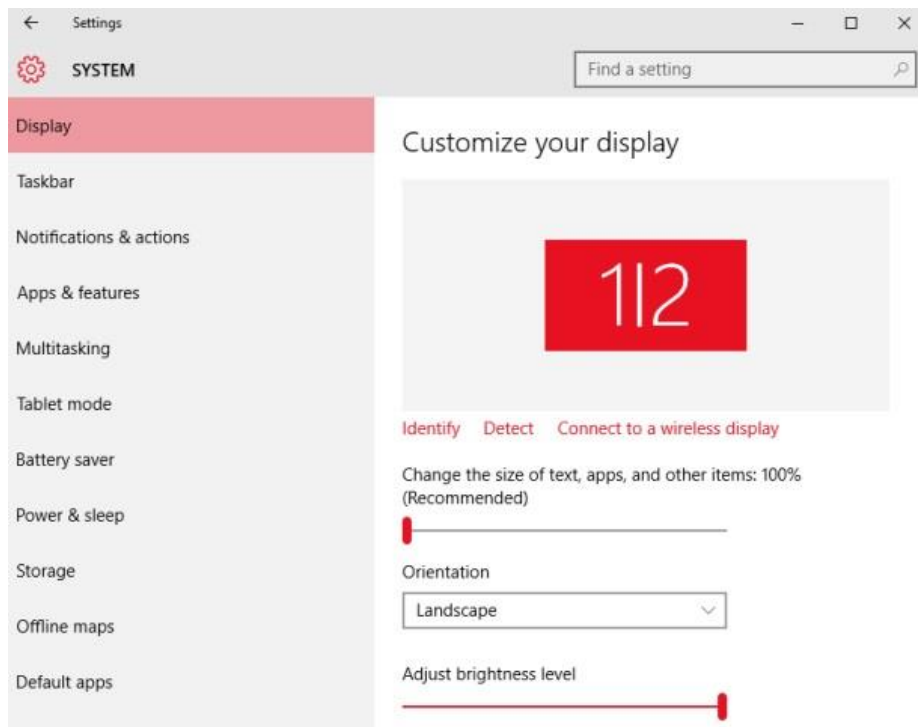
- Copy the firmware file (jedi.img) into USB drive, power off the device (unplug power jack), plug USB drive to device, power on, the indicator will flash 7~8 seconds, and become green, check USB drive and the jedi.img file is disappeared, it means the update is finished.

### 4, How to reset the recorded files name?

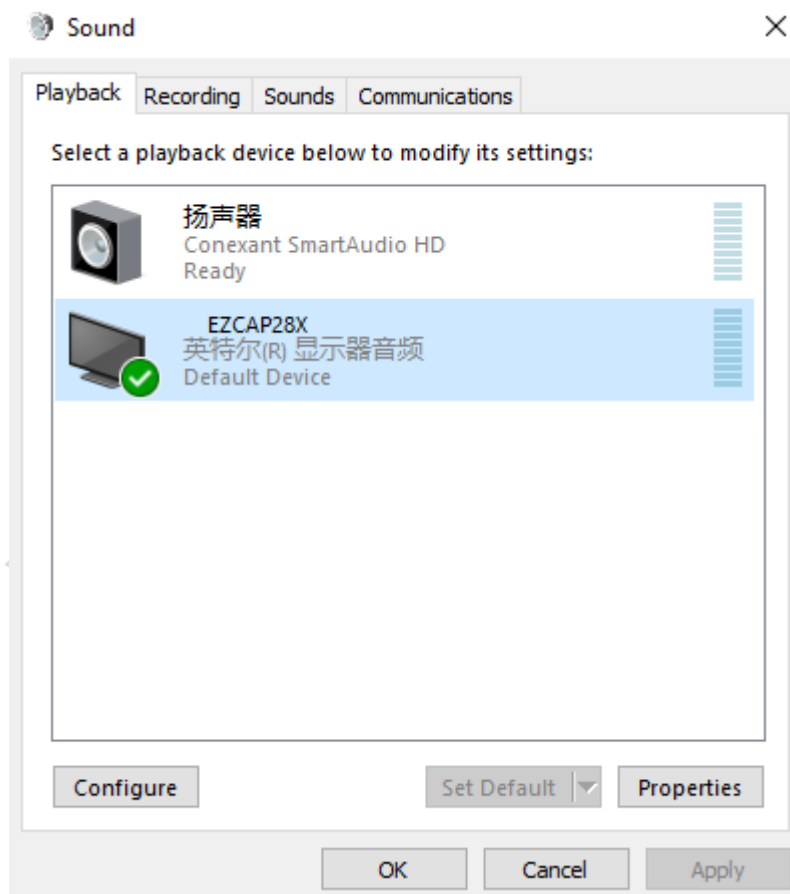
- After long time using, you will see the number of recording file become too big, for example Encode\_1080P\_234, but you want it be start from Encode\_1080P\_0, to do it you just keep press record button (before power on), then plug the power jack to power on the device, after 3 seconds, the file number will start from 0.

### 5, How to record video from HDMI port of my computer?

- Please connect all the cables following the HDMI connection in manual firstly.
- If you have an extra monitor and can display the video correctly, please don't care below settings of video.
- If you have no extra monitor, please check your display selection of your computer. And it's ok if you find the picture as below:



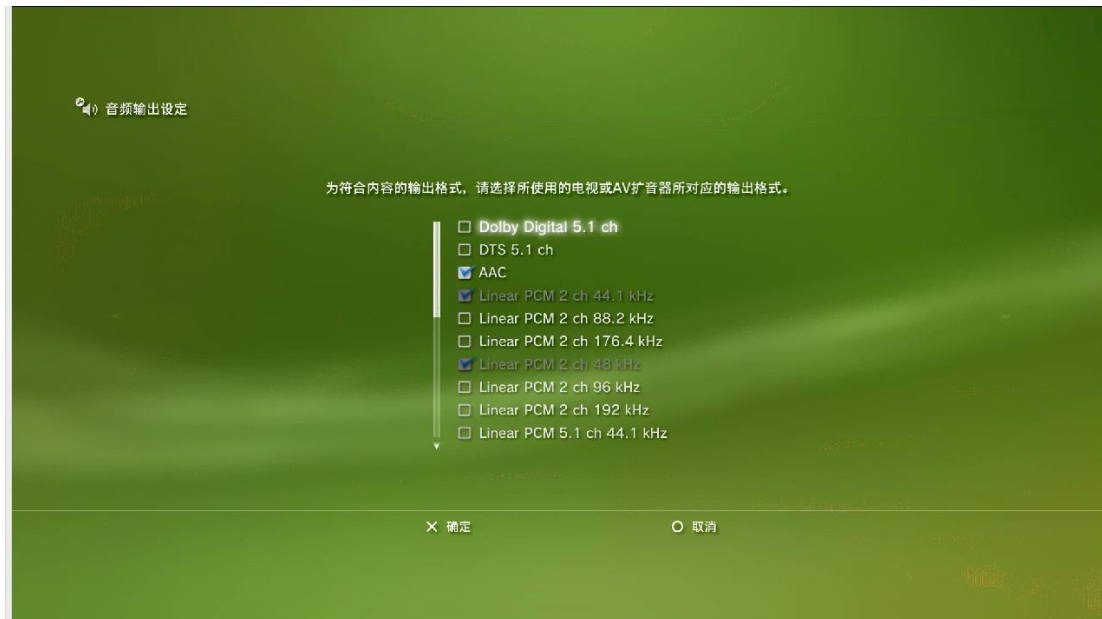
- Please right click Sound icon, and select Playback device, and set EZCAP28X to be default device. You will get recording video without audio if you don't set this.



6, Why can't record audio from PS3 by HDMI port?

- Please set audio of your PS3.

Go to "Audio output setting" --- select "HDMI", and choose "Manually". Get below picture, and don't tick Dolby and DTS, then save the setting.



## Guide for OBS

ezcap HD Video Capture device working with OBS can record video on computer, and stream HD video.

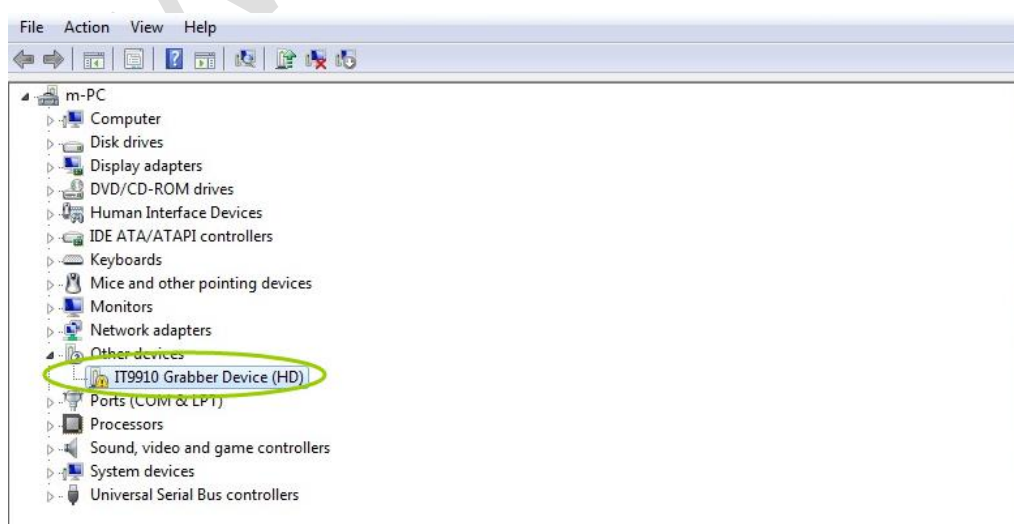
OBS is an open source and free software for video recording and streaming, Live RTMP streaming to Twitch, YouTube, DailyMotion, Hitbox and more.

For recording, it with H.264 encoding, support record FLV, MP4, MOV format video, and can adjust recording resolution, bit rate, etc.

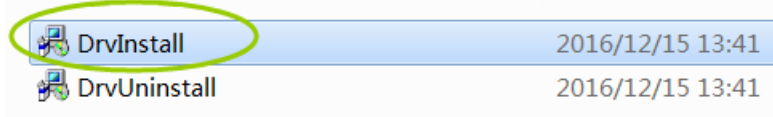
**System requirement:** CPU: core i5 or above, RAM: 4GB or above, OS: windows 7, 8, 10.

### 1, Driver Installation:

Use USB cable connect ezcap HD Video Capture device to computer, a new hardware will show up in device manager:



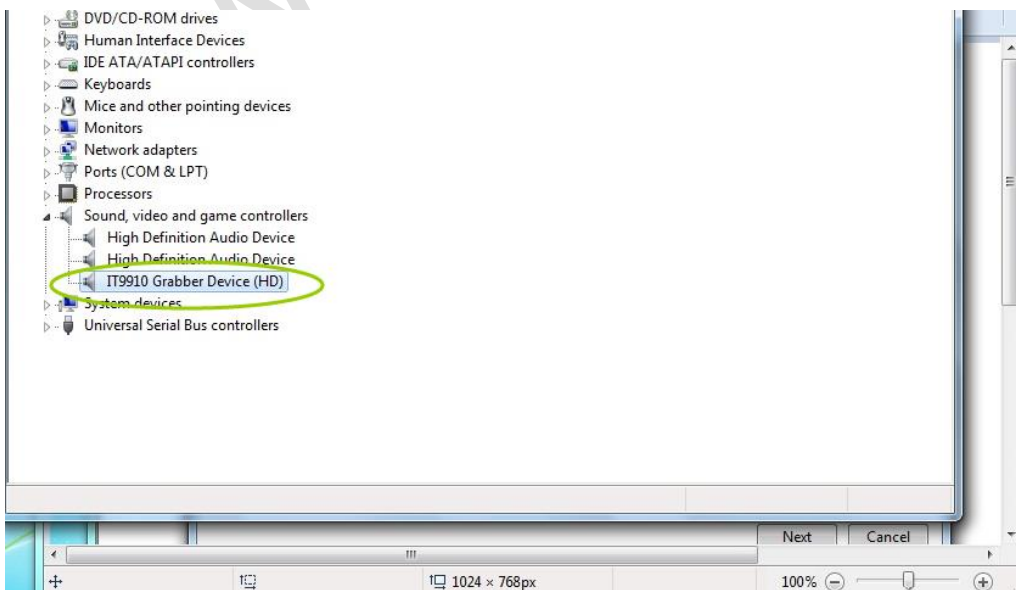
Double click "DrvInstall"



Click "Next" of the pop up window, then click "Finish".



Device then will be installed successful:



## Notice:

Caused by Availability of SHA-2 Code signing Support, maybe driver installation has the problem for **Windows7/64bit OS**. Find “**Windows6.1-KB3033929-x64.msu**” in software CD, and run it to solve the problem according to Microsoft Security Advisory 3033929.

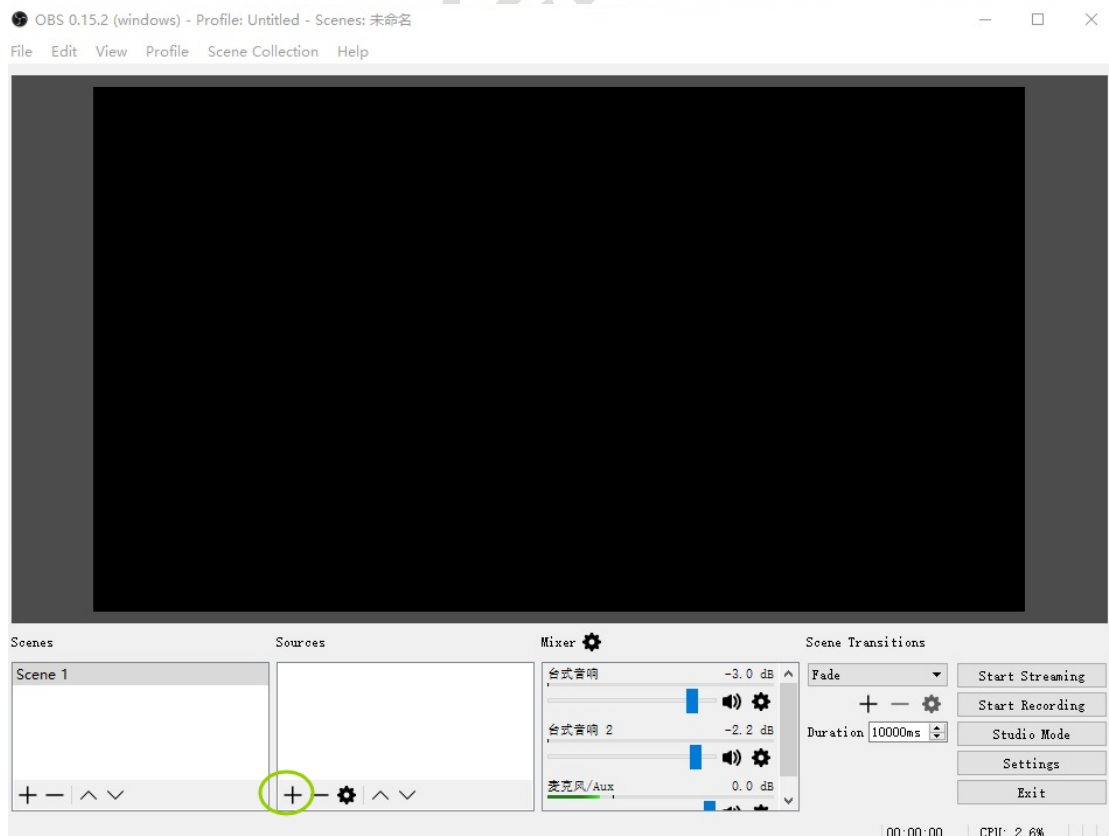
If you installed the wrong drivers and can't re-install the right drivers, please run the “**DrvUninstall.exe**” in software CD to delete the installed documents from your computer, then install the right drivers again.

## 2, Download and Install OBS Studio:

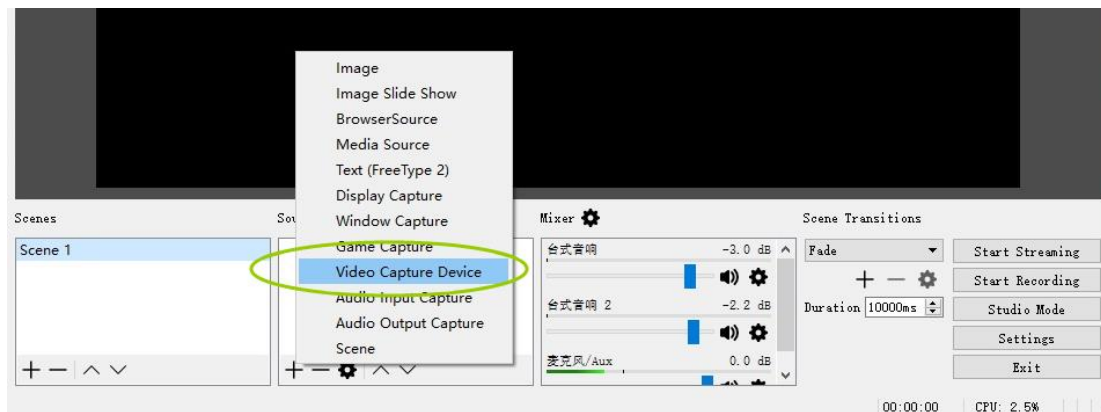
Download OBS Studio from <https://obsproject.com/> and install it, just step by step is ok.

## 3, OBS Settings:

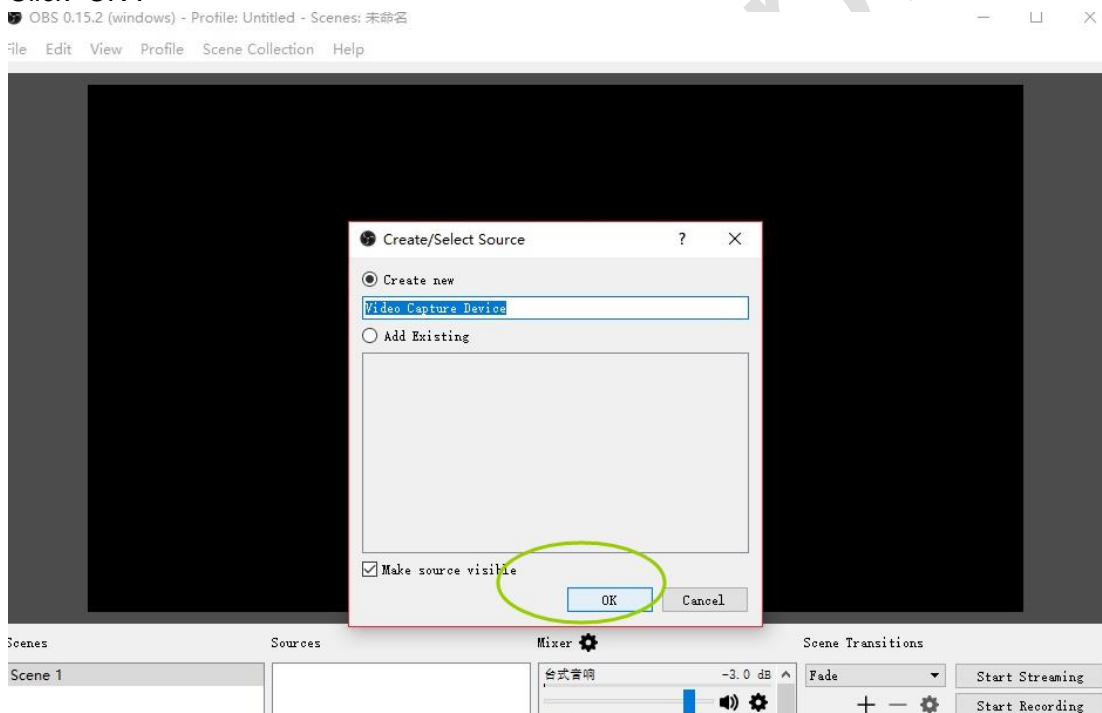
Open OBS Studio, click “+” of “Sources”



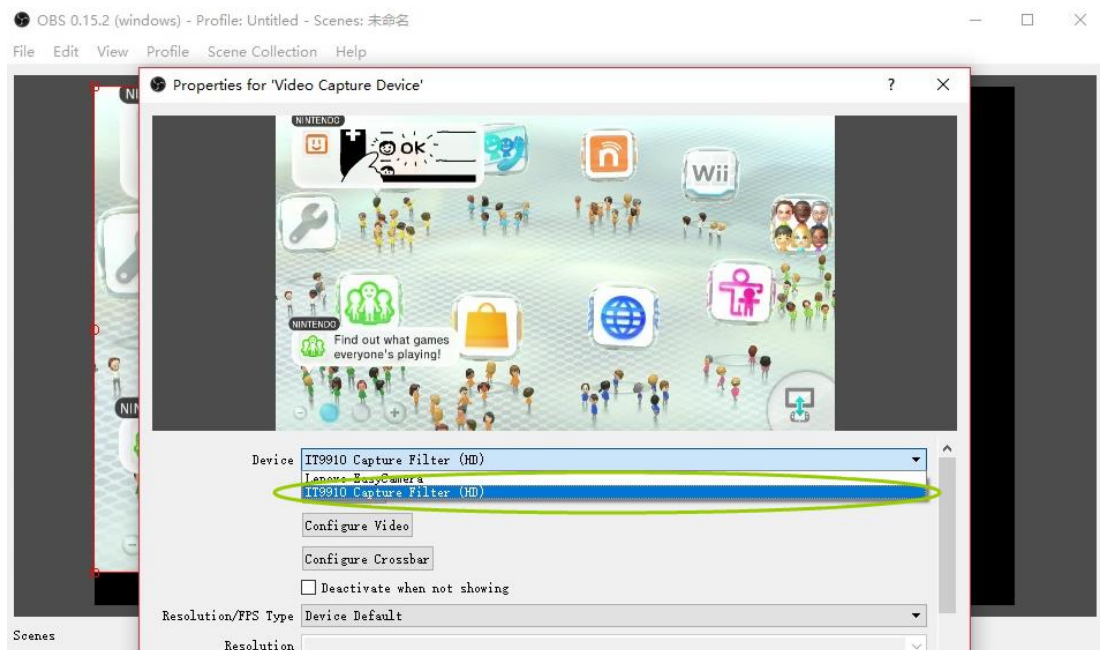
Choose “ Video Capture Device”.



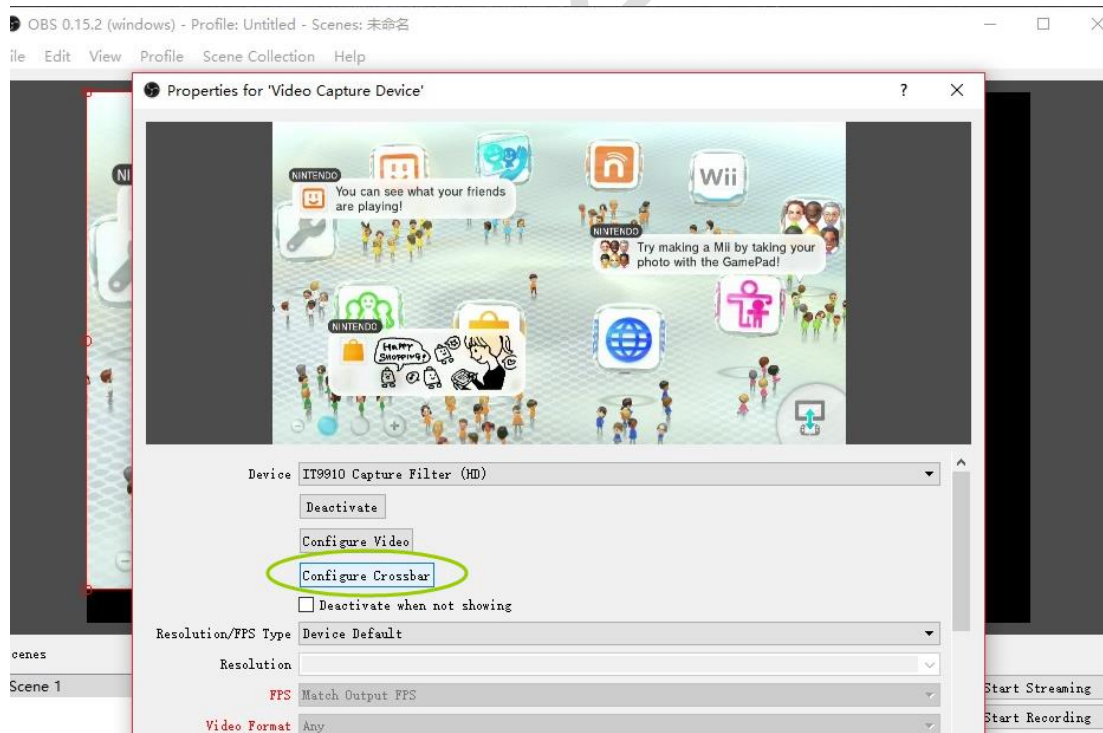
Click “OK”.



Connect the video source to ezcap device. Choose “IT9910 Capture Filter (HD)” in Device select box, then click “OK”, you may see the video of your source now (for HDMI input).



You need do following setting if your don't connect HDMI input source:  
Click "Configure Crossbar".



Choose from the input select box  
"0: Video ParallelDigital In" is for HDMI input.

“1: Video YRYBY In” is for Component Video (YPbPr) input.

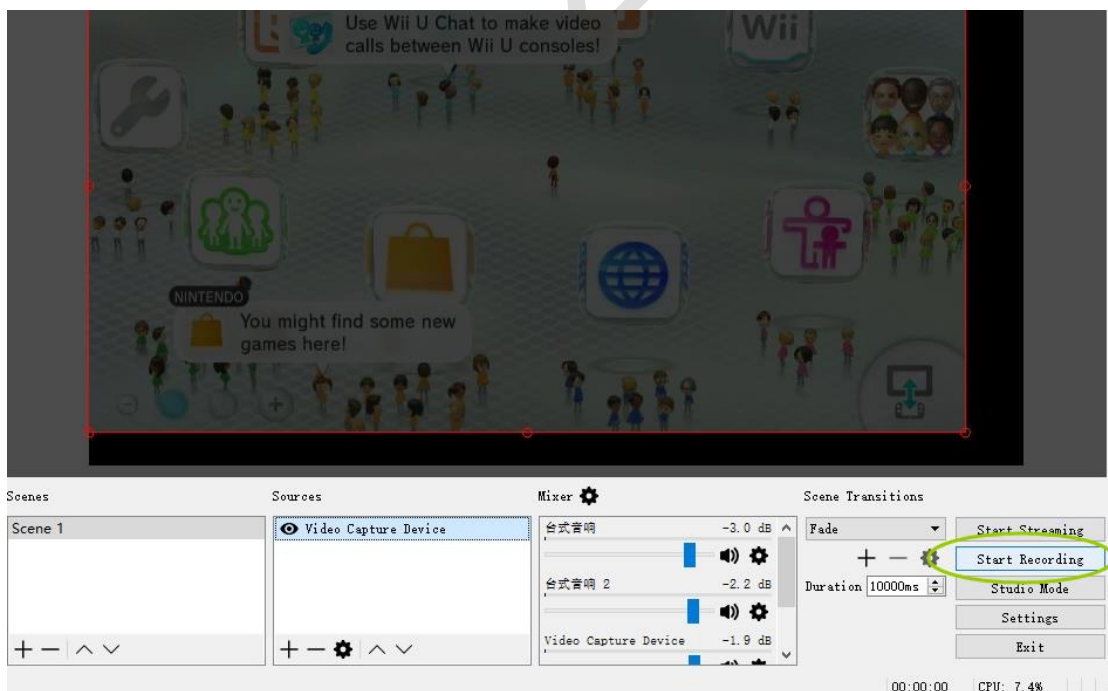
“3: Video Composite In” is for Composite Video (CVBS) input.



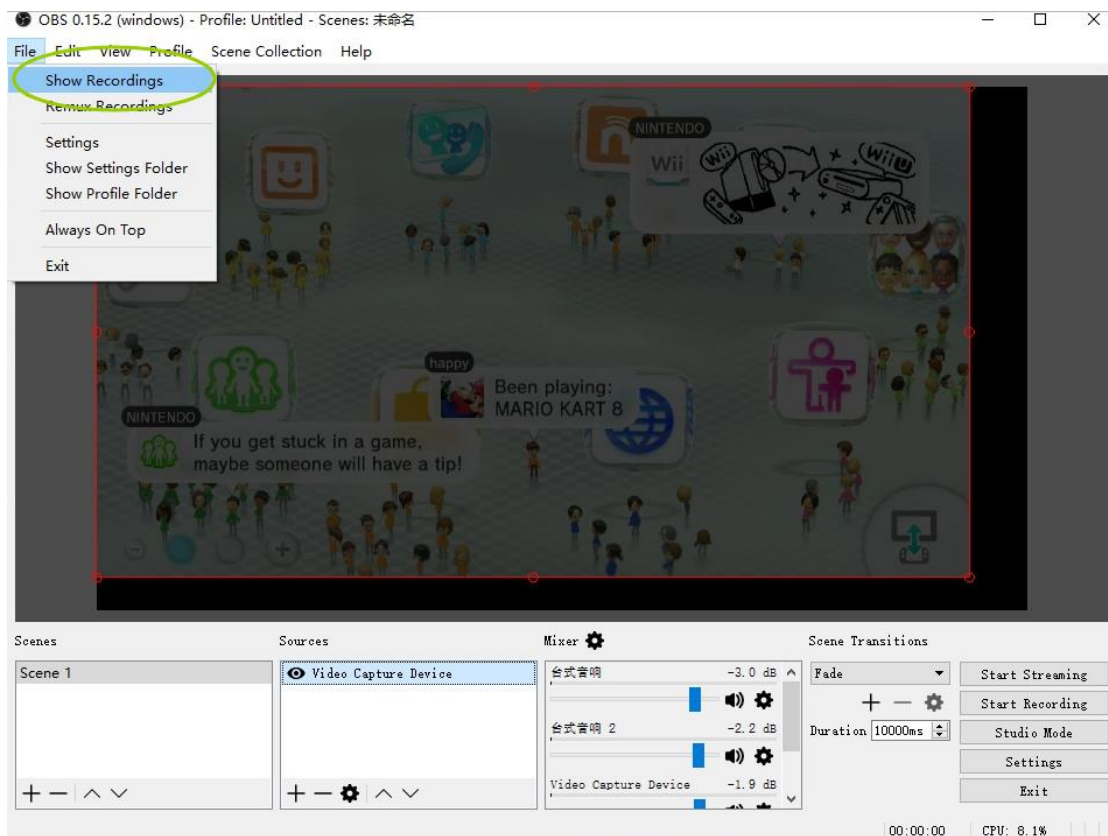
Normally you need to restart OBS Studio after change the input source, then will show up the video.

## 4, Video Recording:

After above setting and show up the video, just simply click “Start Recording” to record video, and click “Stop” to stop recording video.



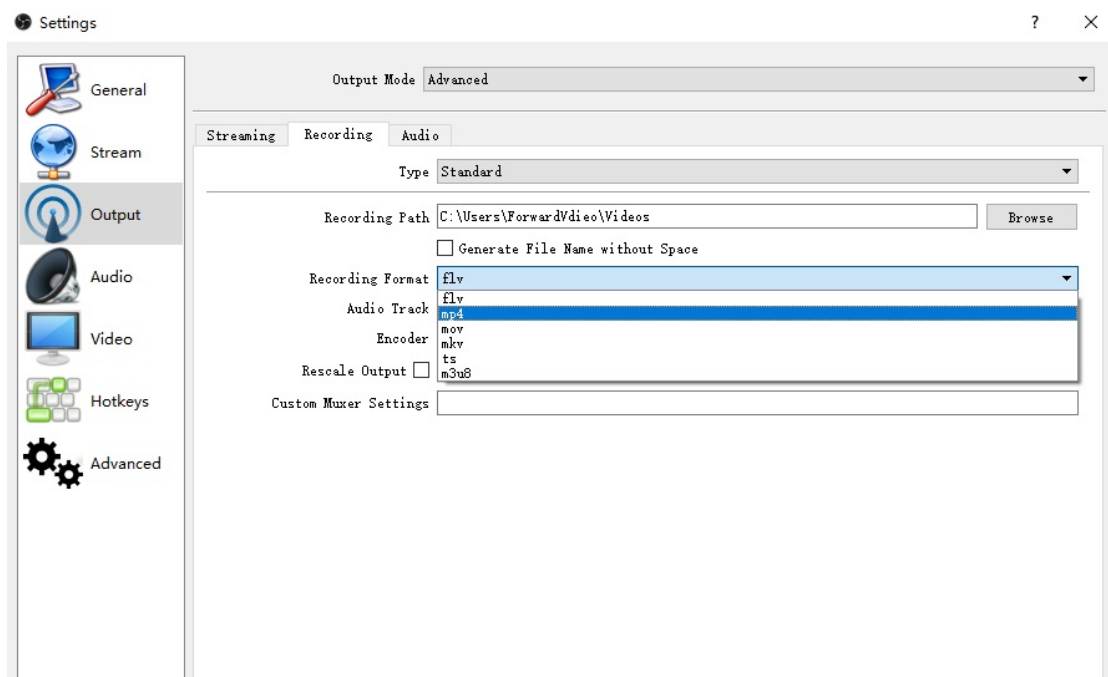
Check the recorded documents:



You can set the record resolutions:



Set the format and save path here (settings—Output---Recording):



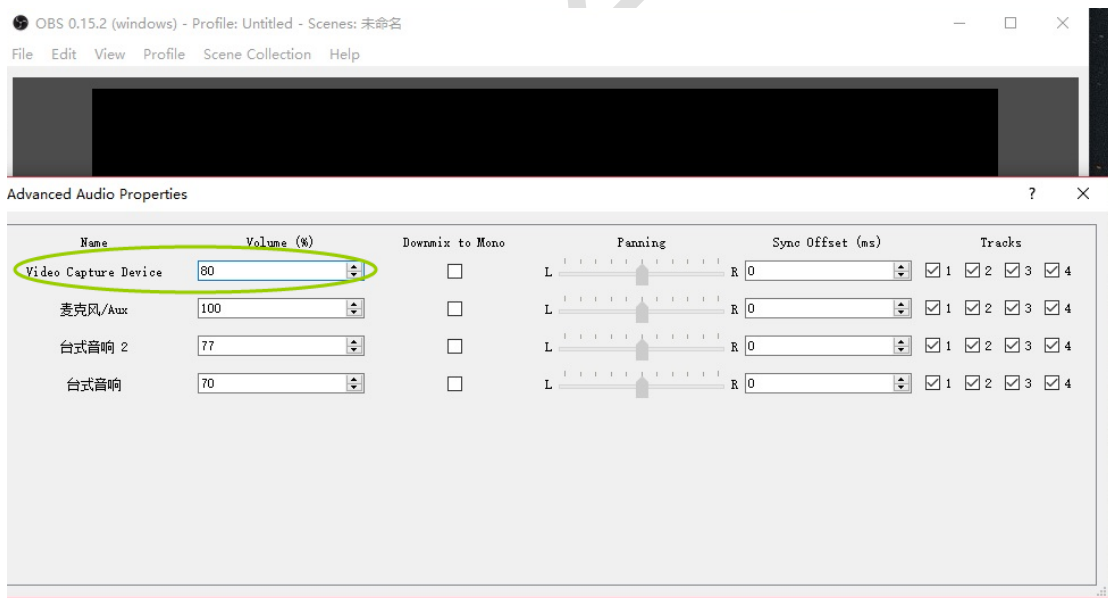
You can record your comment by you microphone of computer with video:  
 Settings – Audio - Mic/Auxiliary audio Device, choose Default, then click “OK”.



On some computer, you may found the recording video no sound, do following settings to fix:  
 Set the Audio - Sample Rate to 44.1khz, then “OK” (you need restart OBS after setting).

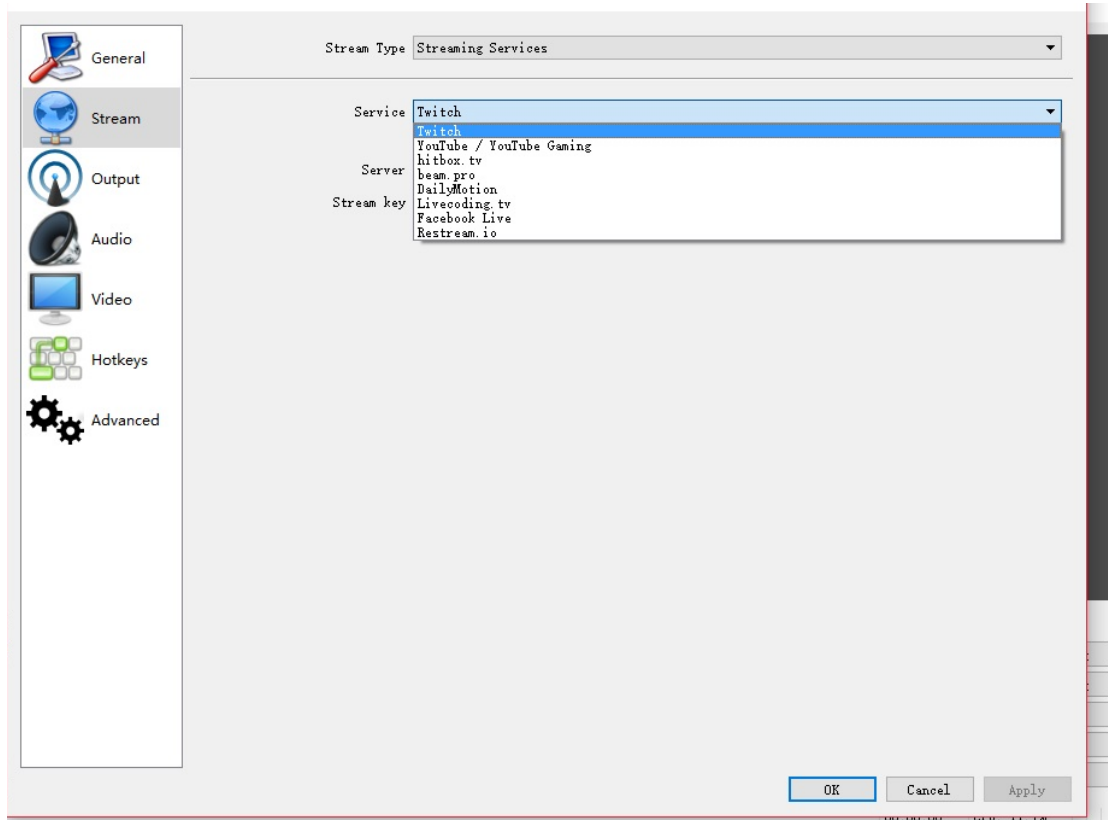


Set the Volume of Video Capture Device to 80% at Advanced Audio Properties

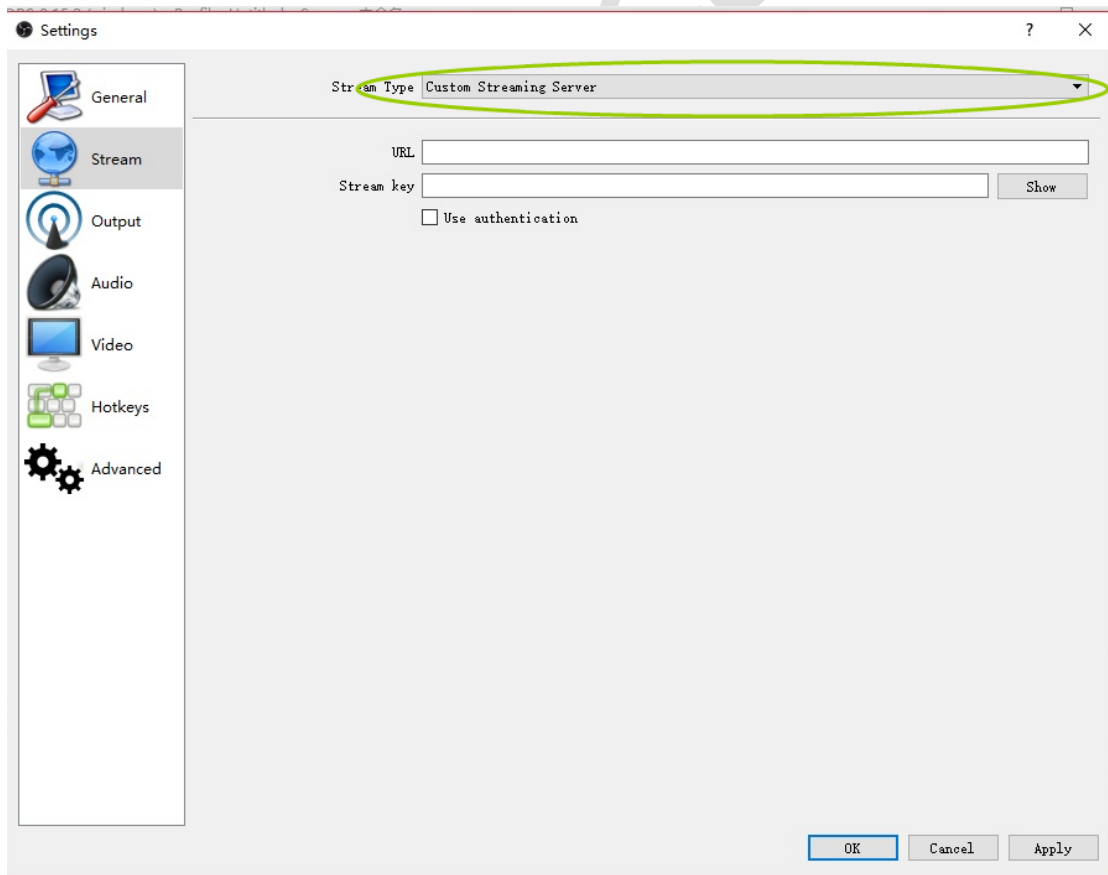


## 5, Video Streaming

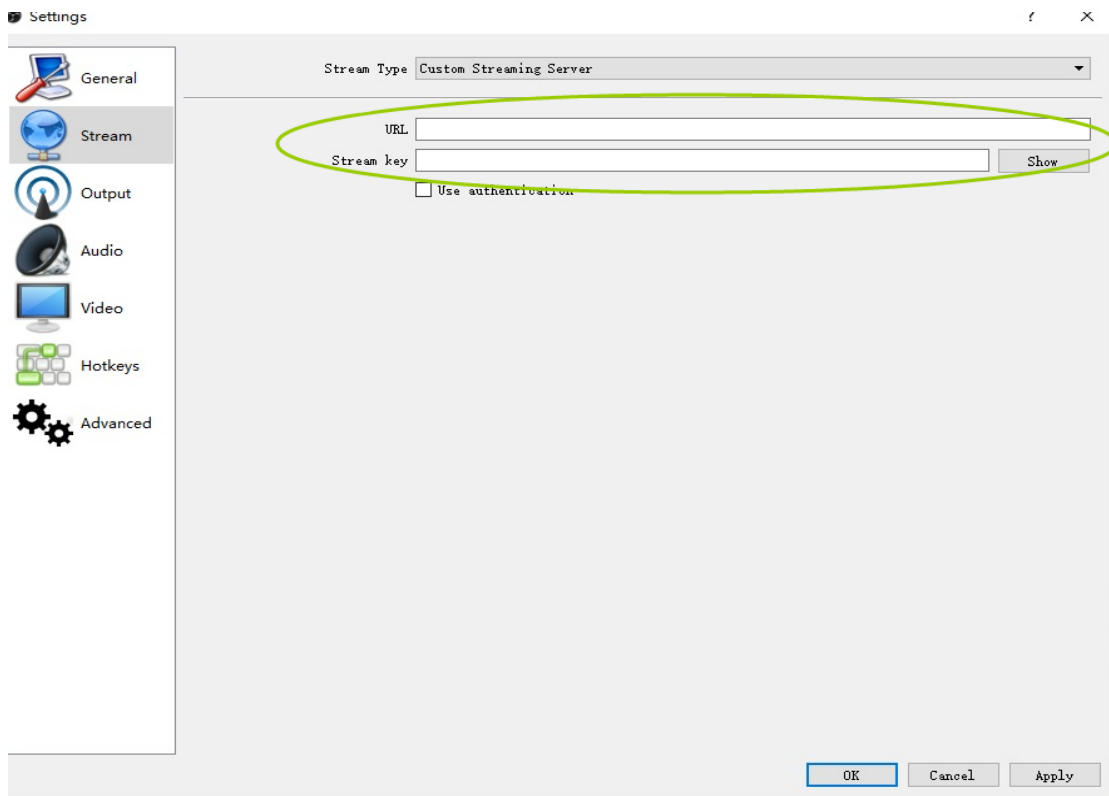
Go Setting - Stream, set the Service by Choose the select box:



You can choose “Custom Stream Server” if your stream service is not in the list above:



Type the URL and Stream key of your server:



Simply click “Start Stream”, now your video is streaming:



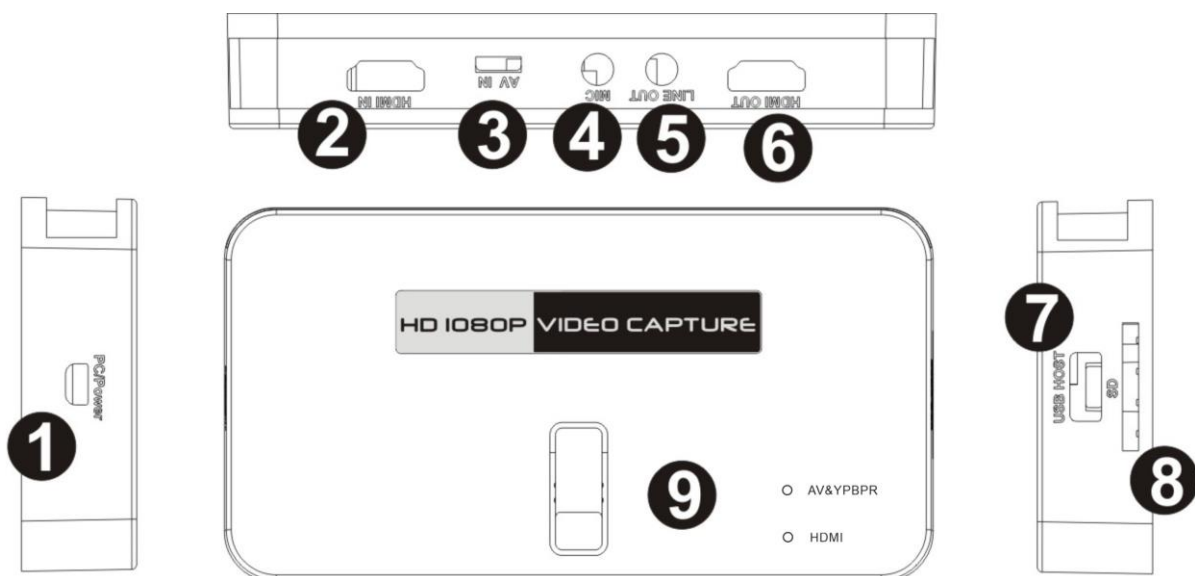
# 高清视频采集盒

## 使用说明书

非常感谢您购买我司研发生产的 **ezcap284** 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 **ezcap284** 高清视频采集盒，你可以透过 AV、色差或 HDMI 借口，采集最高达 1080P 解析度的视频文件，比如蓝光、机顶盒、游戏机、摄像机等。附带遥控器，可以手动选择输入信号源、录制视频质量，或通过 SNAPSHOT 按键抓图。

### 外观、接口及按键：

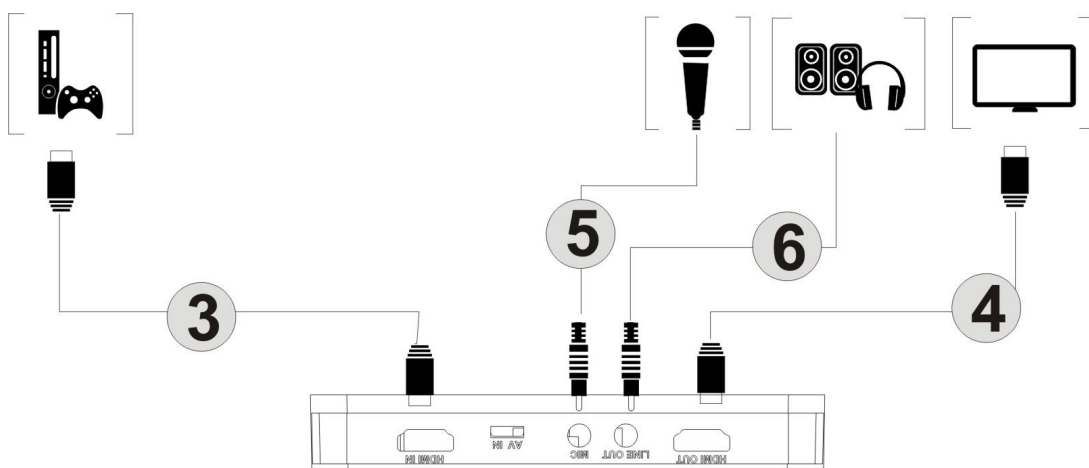


1. PWR—直流 5 伏 2 安 迷你 USB 电源接口
2. HDMI IN—HDMI 输入端口
3. AV IN —视频多用输入端口： 配合配备的视频多用线材 - 色差(红绿蓝)、AV(黄)、音频(红白)
4. MIC—麦克风输入端口，用于连接麦克风录制语音
5. LINE OUT—音频输出端口，用于连接耳机或音箱等
6. HDMI OUT—HDMI 输出端口，用于连接电视机或显示器来显示视频源影像
7. HOST—U 盘或 USB 移动硬盘端口，用于插入 U 盘或移动硬盘存储 录制文件
8. SD—SD 卡端口，用于插入 SD 卡存储录制文件
9. 录制按键和 LED 指示灯—按录制键开始录制，再次按录制键即停止录制，指示灯指示设备工作状态

## 连接说明:

ezcap284 高清视频采集盒有三种视频输入选择：HDMI、色差和 AV。同时 ezcap284 可以自动识别输入的视频源，而不需要手动切换开关。不过如果你同时连接了两个或三个视频输入源，你依然可以通过遥控器来选择需要的视频源。

### 连接至 HDMI 输入源:



1, 设备连接电源适配器

2, 插入 U 盘/移动硬盘或 SD 卡

注意：当你同时插入 U 盘和 SD 卡时，ezcap284 高清视频采集盒仅识别你第一个插入的设备。

3, 使用 HDMI 线材(请自行准备, 包装内不含任何 HDMI 线材)连接视频源 HDMI 输出到采集盒的 HDMI IN 接口。

4, 使用 HDMI 线材连接采集盒的 HDMI OUT 接口到电视机或显示屏的 HDMI 输入接口。

5, “LINE OUT” 音频输出端口用于连接耳机或音箱，如果你不需要则无需连接，因为 HDMI 输出已经包含音频输出。

6, “MIC”麦克风输入端口， 当你打游戏时， 你可以连接你的麦克风来同时录制你的语音和游戏视频。 如果不需要则无需连接。

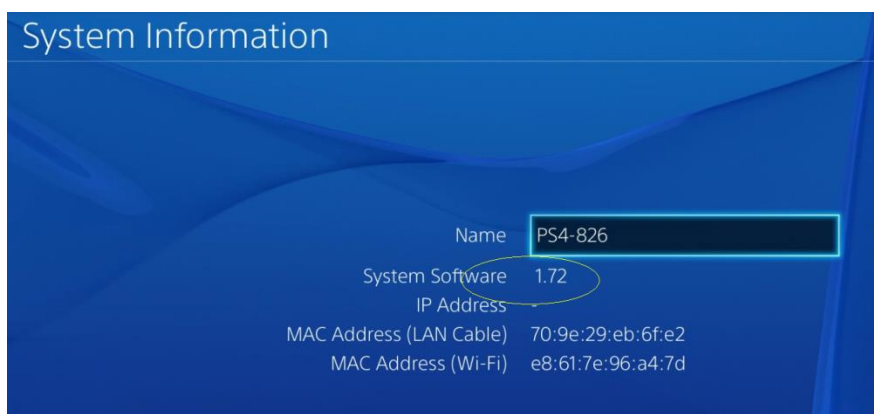
注意：

一些 HDMI 视频源有 HDCP 保护， 因此你无法获得视频显示和录制。 如果你一定要通过 HDMI 录制该类视频， 请另行购买带解码功能的 HDMI 分路器或直接的 HDMI 解码器配合使用。同时请注意当地法律， 以上行为与本产品无关。

当你使用电脑格式化你的 U 盘或者移动硬盘， 退出程序时请使用”安全退出”选项， 而不是直接拔出 U 盘或移动硬盘， 否则可能会在录制期间发生问题。

对于索尼 PS4， 1.7 或更高版本， 有消除 HDCP 的选项。

确认系统版本为 1.7 或更高

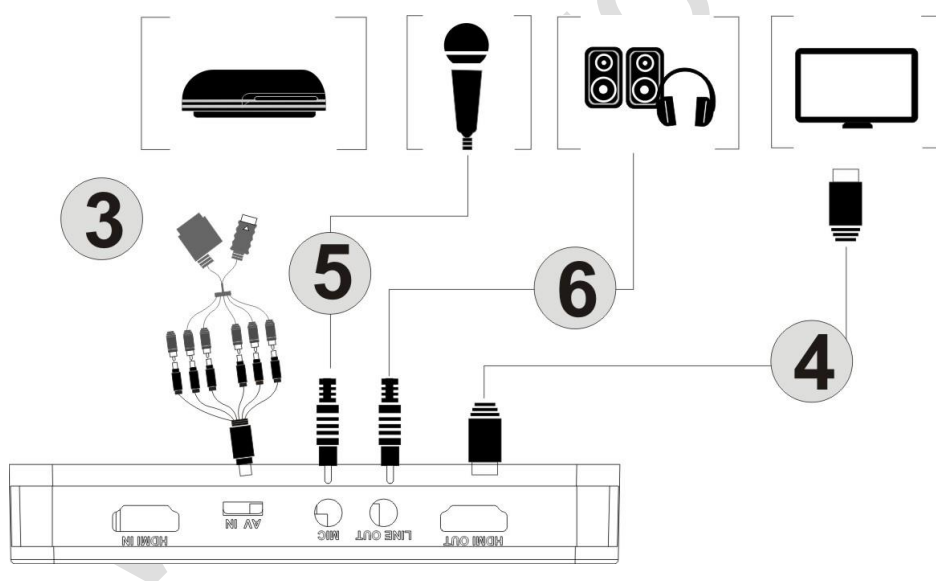


设置：settings---System – 不勾选 “Enable HDCP” 选项



注意：消除 HDCP 选项仅仅支持游戏，而不支持蓝光 DVD 等其它光碟。

连接至色差视频源：



1, 设备连接电源适配器

2, 使用配备的视频多用线材和色差分量线(需自行购买，含红白音频线)连接至视频源之色差输出端口。

3, 使用 HDMI 线材连接高清视频采集盒的 HDMI OUT 接口到电视机或显示屏的 HDMI 输入接口。

4, 插入 U 盘或移动硬盘

5, “LINE OUT” 音频输出端口用于连接耳机或音箱，如果你不需要则无需连接，因为 HDMI 输出已经包

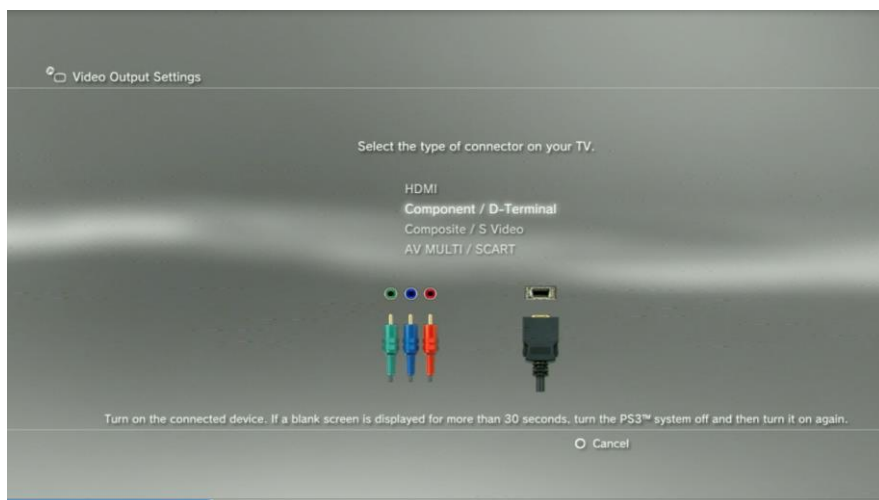
含音频输出。

- 6, “MIC”麦克风输入端口， 当你打游戏时， 你可以连接你的麦克风来同时录制你的语音和游戏视频。  
如果不需要则无需连接。

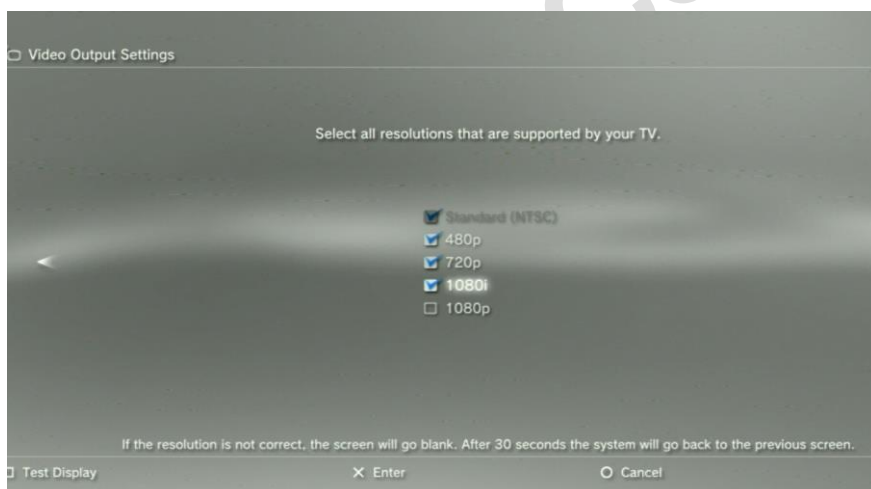
注意： 色差分量为红绿蓝，左右声道音频为红白，请不要混淆这两根红色线材，多用线材的音频红白是连在一起的，使用时请留意。

注意：与索尼 PS3 的连接使用，需要做如下设置：

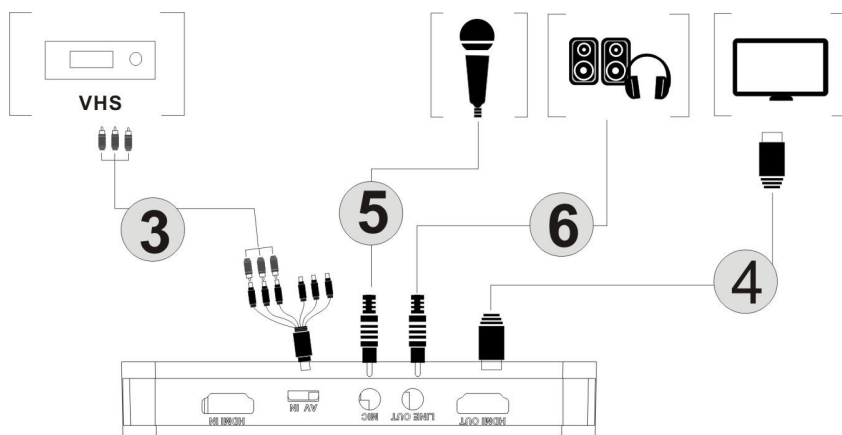
settings---Video output settings, 选择 “Component/D-Terminal” 色差端口



Video Output Settings – 确认 1080P 选项没有被勾选， 否则一些游戏(比如 GT5)将无法录制。



连接至 AV 视频源：



- 1, 设备连接电源适配器
- 2, 使用配备的视频多用线材和 AV 视频线(需自行购买, AV 线为黄色, 含红白音频线)连接至视频源之 AV 输出端口。
- 3, 使用 HDMI 线材连接高清视频采集盒的 HDMI OUT 接口到电视机或显示屏的 HDMI 输入接口。
- 4, 插入 U 盘或移动硬盘
- 5, “LINE OUT” 音频输出端口用于连接耳机或音箱, 如果你不需要则无需连接, 因为 HDMI 输出已经包含音频输出。
- 6, “MIC” 麦克风输入端口, 当你打游戏时, 你可以连接你的麦克风来同时录制你的语音和游戏视频。如果不需要则无需连接。

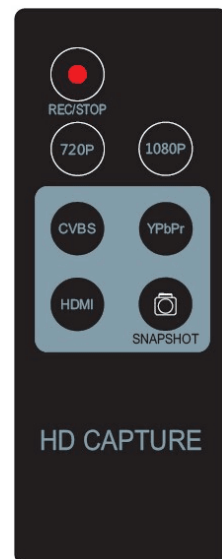
## 遥控器

REC/STOP—开始录制 / 停止录制

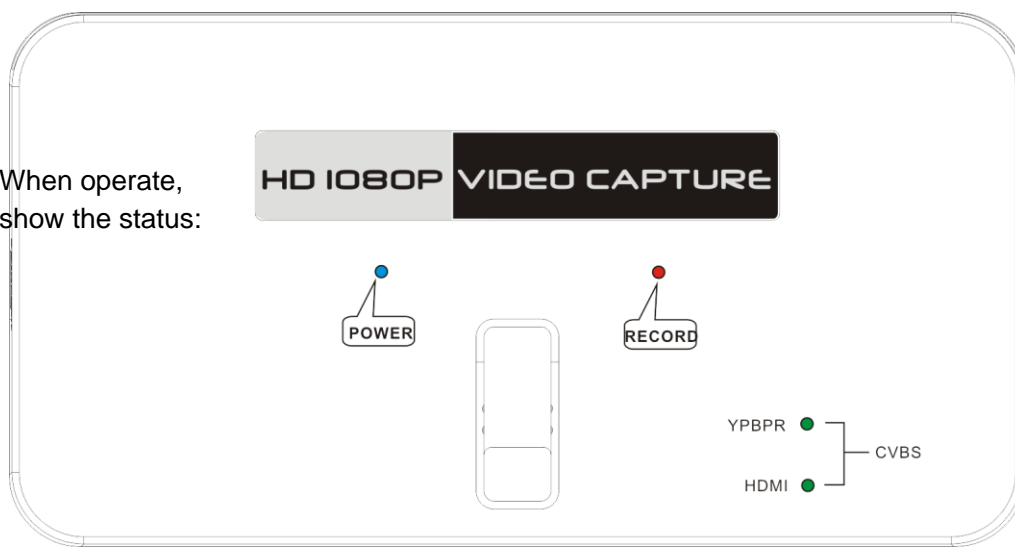
720P / 1080P — 设定录制视频质量, 仅针对输入源超过 720P 的有效。

CVBS/YPbPr/HDMI—选择输入视频源

SNAPSHOT—抓图, 录制期间无效



When operate,  
show the status:



there are LEDs

连接电源，蓝色电源(POWER)指示灯会亮  
按下录制按键开始录制，红色录制(RECORD)指示灯会亮  
输入或选择 HDMI 视频源，HDMI 绿色指示灯会亮  
输入或选择色差分量视频源，YPBPR 绿色指示灯会亮  
输入或选择 CVBS 视频源，HDMI 和 YPBPR 指示灯会同时亮

## 录制:

连接好后，你一定可以在电视或显示器上获得影像和声音，同时蓝色指示灯常亮，现在采集盒已经准备好录制了。

录制非常简单，只要你轻轻按下录制按键，你看到蓝色指示灯变为粉色，这就代表已经开始录制了。

如果按下录制键，指示灯没有变化的话，或许有如下几种原因，请确认：

- 1, 输入的视频源没有连接好
- 2, U 盘、移动硬盘或 SD 卡容量已满
- 3, U 盘、移动硬盘或 SD 卡的格式不适合，比如 exFAT 格式。采集盒支持 FAT、FAT32 和 NTFS 格式。
- 4, U 盘、移动硬盘或 SD 卡没有插好
- 5, U 盘、移动硬盘或 SD 卡还没有准备好，一般插入后需要 4~8 秒的时间

如果要停止录制，你只需再次轻按录制按键，你将会看到 LED 指示灯闪烁几下然后变为蓝色常亮，这时说明已经停止录制，你可以拔下存储设备了。

**注意：当 LED 指示灯闪烁时，请不要拔下 U 盘或 SD 卡，否则有可能会丢失部分录制文件。如果 U 盘或 SD 卡录制满，采集盒会自动停止录制，不会损坏或丢失之前的录制文件。**

将存有录制文件的 U 盘或 SD 卡与电脑连接，你将会看到视频录制文件：1080P 的录制文件，文件名为 Encode\_1080P\_1，720 或 480 录制文件为 Encode\_1。

每一次 录制/停止的操作，采集盒都会新建一个不同的录制文件：Encode\_1080P\_1、Encode\_1080P\_2、Encode\_1080P\_3...

每一个文件最大约为 1.95GB (1080p 视频文件约 15 分钟)，当你录制视频超过 1.95GB，采集盒会自

动保存为一个文件，并继续录制。举例：当你按一次录制键并准备录制 50 分钟左右的 1080P 的视频，那你将会得到四个文件：Encode\_1080P\_1, Encode\_1080P\_1\_1, Encode\_1080P\_1\_2...前面三个文件分别为 1.95GB，时长分别约 15 分钟，而第四个文件时长约 5 分钟。

**注意：** 一些时候你会发现录制文件播放时有遗漏，那或许是因为你使用的是 **NTFS** 格式的存储设备，且你最后从电脑拔出时没有点击“安全退出”。如果你尝试安全退出还是没有解决这个问题，请试着将存储设备格式为 **FAT32** 格式并再次尝试。

## 程序升级、文件名清零和文件时间设定：

1, 程序升级：因为一些原因你或许需要升级程序。请将新的程序拷贝到 U 盘或 SD 卡内，将采集盒电源拔掉，插上 U 盘或 SD 卡，再接上电源，这时指示灯将会闪烁七八秒，并最终变成蓝色常亮，这时表示软件升级成功。

2, 采集盒长时间使用后，你将会看到录制文件名的数值越来越大，比如 Encode\_1080P\_234。如果你觉得不太好管理，而想从 Encode\_1080P\_0 开始的话，请在采集盒接电前长按录制按键，并接上电源，大概三秒后，文件名将会清零。

3, 采集盒有 RTC 实时时钟功能，可以显示录制的实际时间，同时你也可以根据你当地的时间来设定。你需要新建一个 TXT 文档，并命名为“rtc\_setup”。按照下述格式写下当地的日期和时间。(比如 2014 年 7 月 31 日 11 点 0 分 0 秒)

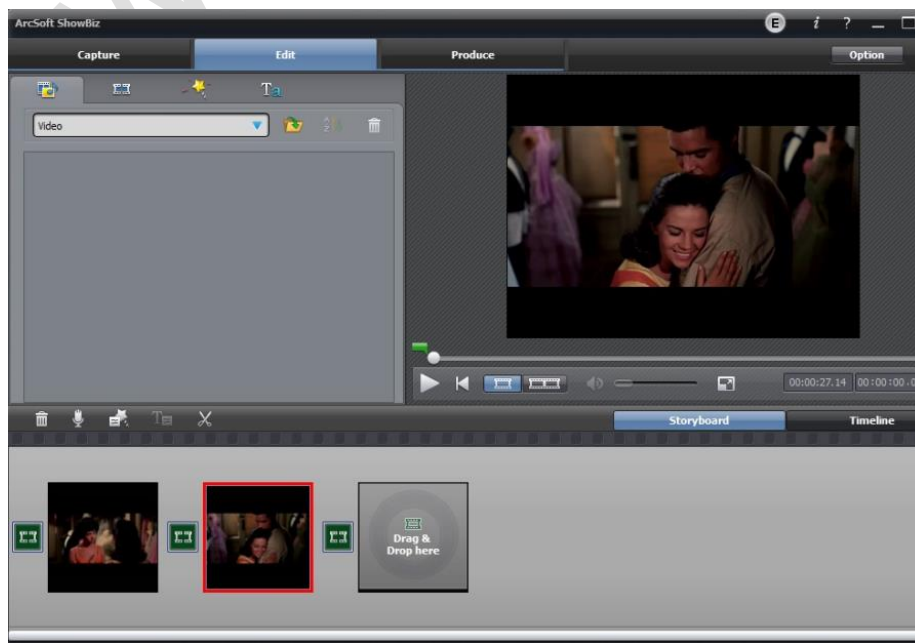
```
/:2014
/:7
/:31
/:11
/:00
/:00
/:0
```

一定要严格的按照这个格式列好，第一行是年，第二行是月，以此类推，最后一行是 0，且每一行的前面都是/，写好后保存。

将文件拷贝到 U 盘或 SD 卡，采集盒断电，插上 U 盘或 SD 卡，然后上电，这样时间就设定好了。你可以通过录制的文件属性来验证时间是否设定正确。

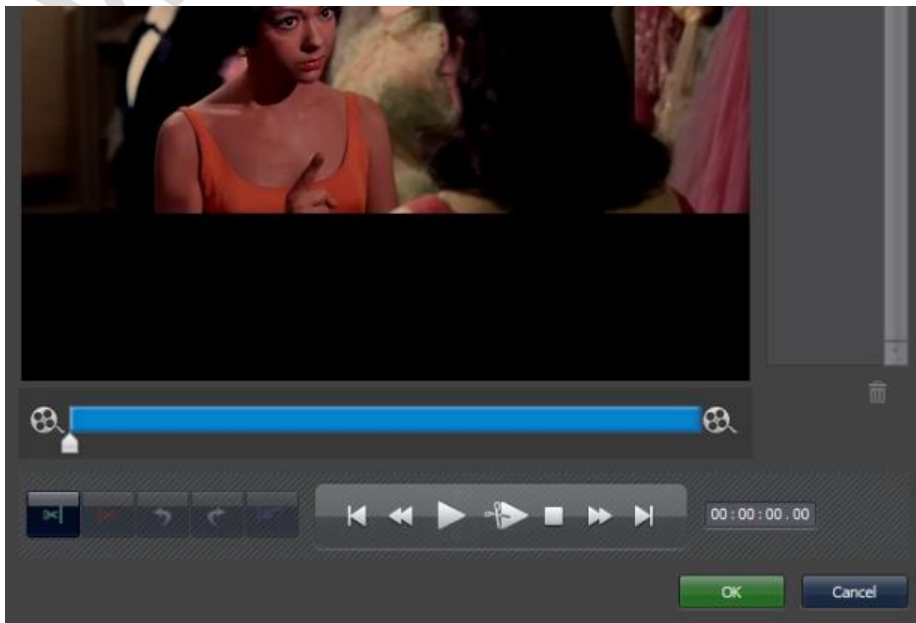
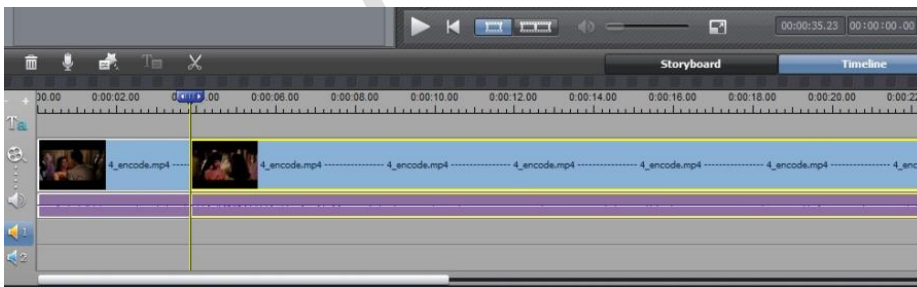
## 编辑、转换录制的视频文件：

采集盒有配送超豪华的视频编辑转换软件，你可以用来编辑转换录制的视频文件。.



将附送的软件 CD 放入光驱，并点击安装(序列号在光盘袋背后)，安装完成后，双击界面打开。

1, 你可以将两个录制文件合并成一个文件, 仅仅将需要合并的文件拖进软件界面即可。



2, 你可以将一个文件分割为两个或者更多。

3, 完成编辑后点击 “Produce”制作，你可以存为你想要的任何格式的文件，或者上传到你的 YouTube 账户：



4, 点击 “Create file” 你可以将编辑好的视频文件保存为各种不同设备适合的文件格式，比如苹果设备、PSP 及其它。



## 产品规格参数:

### 接口连接

界面	USB 2.0, SD 卡
视频输入	数字: HDMI
	模拟: 色差分量, CVBS 视频
音频输入	数字: HDMI
	模拟: RCA 左右声道, 3.5mm 麦克风输入
	注: HDMI 输入情况下, HDMI 输出没有麦克风信号输出
视频输出	数字: HDMI (通过 HDMI、色差分量或 AV 视频输入获得)
音频输出	数字: HDMI (通过 HDMI 或色差和 AV 视频左右声道输入获得)
	模拟: 3.5mm 立体声 (通过 HDMI 或色差和 AV 视频左右声道输入获得)

### 包装内容

设备	ezcap284 高清视频采集盒
其它	多用视频线(用于色差分量、AV 和左右声道输入), USB 电源, USB 线(用于连接 USB 电源或连电电脑), 遥控器, 软件光盘, 说明书

## 硬件规格

编码器	H.264 硬件编码
用户界面	录制 / 停止 按键
	LED 工作状态指示灯
尺寸	140(长) × 70(宽) × 23(高) 毫米
重量	净重 115 克

## 规格参数

存储媒介	U 盘、移动硬盘、SD 卡
	注: 不支持 exFAT 格式
分辨率	<b>输入 / 输出:</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)
	<b>录制:</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 (25p), 1920 x 1080 (30p)
	注: 录制和输出之视频分辨率与输入一致, 不支持提升分辨率。
录制格式	视频: MP4, 音频: AAC Stereo
录制质量	最大: 18Mbps@1080P 30fps
录制文件	最大: 2GB / 一个文件
录制空间	最大: 140MB / 分钟, 8.4GB / 小时
电源适配器	迷你 USB 接口之直流电源 5V / 2A

## 应用软件

软件	虹软 Showbiz
视频编辑	时间轴 / 分镜编辑, 分割场景...
视频输出	YouTube 上传
	便携终端: iPod, iPhone, iPod Touch, Apple TV, PSP, PS3, Xbox
	File: MPEG 1 / 2 / 4, WMV HD, QuickTime (MOV) ...
操作系统	Windows 8 (32 / 64 bit), Windows 7 (32 / 64 bit), Windows Vista (32 / 64 bit)
CPU	Intel Core 2 Duo 2.8GHz, AMD Athlon 64X2 Dual Core 3.0GHz
内存	4 GB RAM
显卡	VGA card with support for DirectX 10.0c or above

### 常见问题汇总:

1, 为什么不能通过 HDMI 接口直接录制一些设备的视频, 比如 PS3 和一些蓝光 DVD?

- 因为以上这些设备具有 HDCP 保护功能, 你需要购买具有 HDCP 解码的 HDMI 分路器, 或者直接从这些设备的色差分量输出来录制视频。当然, 解码 HDCP 在一些国家和地区是非法的。

2, 为什么 ezcap284 高清录制采集盒无法录制视频?

- 第一步请确保你的显示器可以正常显示你需要录制的音视频。如果不行, 请确认所有的线材连接, 确认 HDMI 信号是否有 HDCP 保护, 比如以上第 2 点, 如果有保护显示器无法显示视频。
- 如果是 PS4, 你需要按照说明书来取消 HDCP 保护, 这个设定仅仅限于游戏, 不包括蓝光 DVD。
- 请确保你的 U 盘或移动硬盘有足够的空间, 同时如果录制 LED 等在闪烁期间不要拔掉 U 盘, 如果 U 盘满了录制将会自动停止。
- 请确保 U 盘或移动硬盘是正确的格式, 因为设备不支持 exFAT 格式, 我们建议使用 FAT32 格式。如果你在电脑格式化, 先用“安全移除”后再拔出 U 盘, 否则可能录制过程中会出现问题。
- 如果你的 U 盘有 LED, 那通常插上 U 盘到设备后会闪烁几秒(U 盘没有 LED 请忽略这一条, 不过仍然需要等上几秒), 等 LED 熄灭后代表已经准备好了, 这时你可以开始录制。
- 如果你从 PS3 的色差分量录制游戏, 请参考说明书里关于这一部分的设置。

3, 如何更新最新的固定程序?

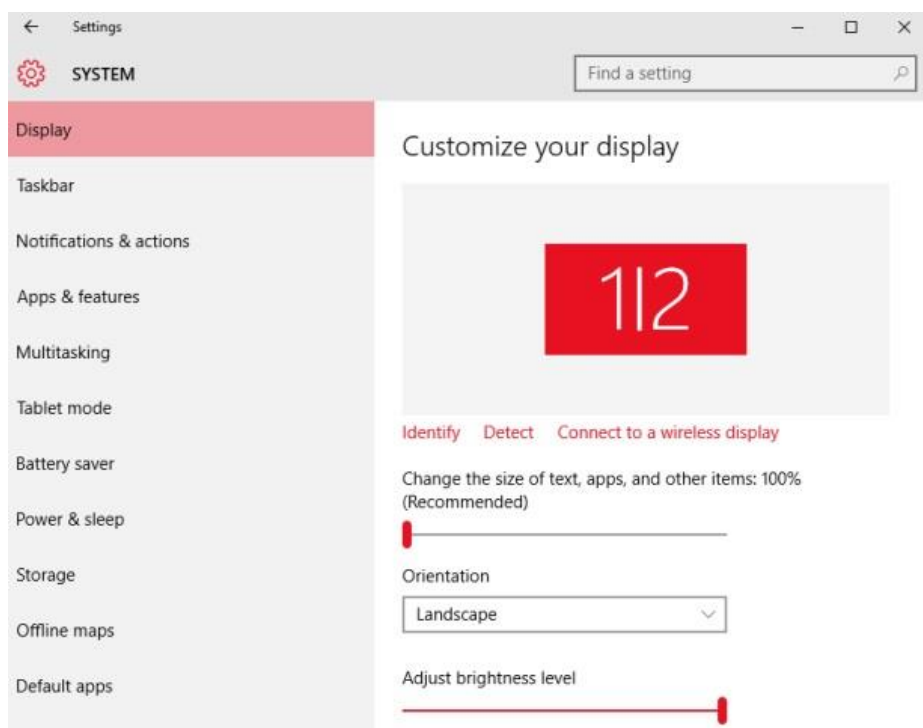
- 拷贝固定程序文件 (文件名为 jedi.img) 到 U 盘, 将采集盒先断电(拔掉电源接头), 插上 U 盘到设备, 连接好设备电源, 设备工作指示灯会闪烁 7~8 秒, 等显示灯由闪烁变为常亮, 就表示更新已经完成。如果将 U 盘插上电脑确认里面的内容, 应该 jedi.img 的固定程序文件消失了, 就验证了更新成功。

4, 如何将录制文件名清零?

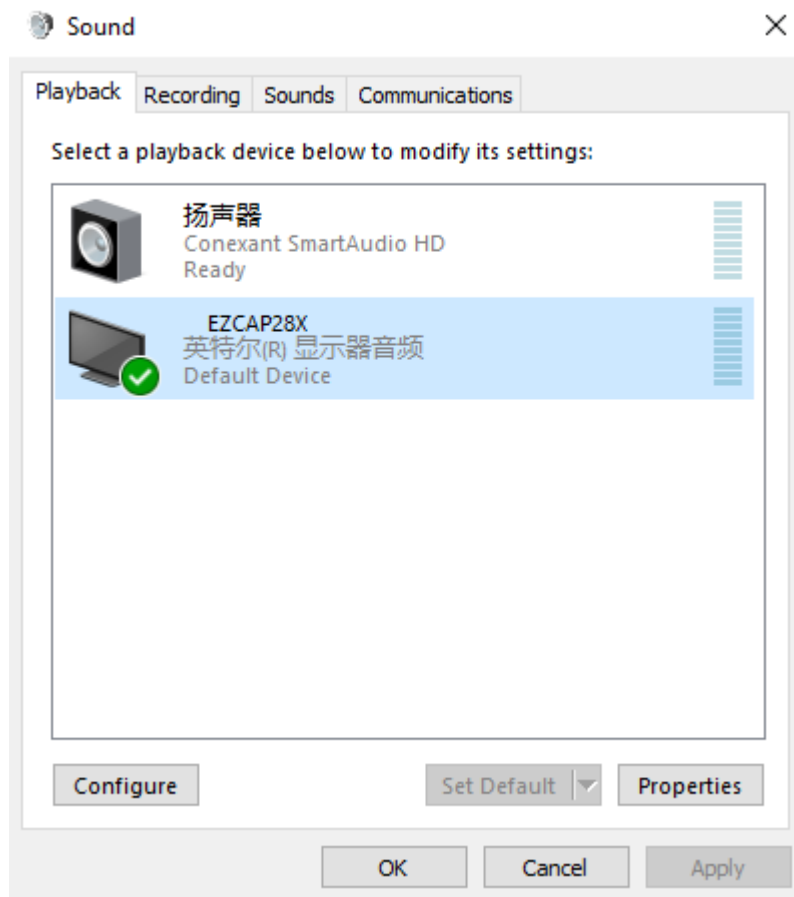
- 长时间使用设备后, 录制文件名的数字会变得很大, 比如 Encode\_1080P\_234。如果你想让文件名从 Encode\_1080P\_0 重新开始, 你需要先断电, 然后一直按着录制按键不松掉同时通电, 大概三四秒后文件名将会被清零并重新从 0 开始。

5, 如何从我的电脑的 HDMI 接口录制视频?

- 首先按照说明书里连接 HDMI 信号连接好所有线材。
- 如果你有一个额外的显示器且可以正确显示视频，则不用管下面视频是否准备好的选项。
- 如果你没有额外的显示器，请右击电脑屏幕并选择属性，在高级选项发现如下图片，表示电脑的视频输出已经准备好，如果红色部分仅仅显示 1 则代表视频还没有准备好，请在高级选项里尝试发现直至如图所示。

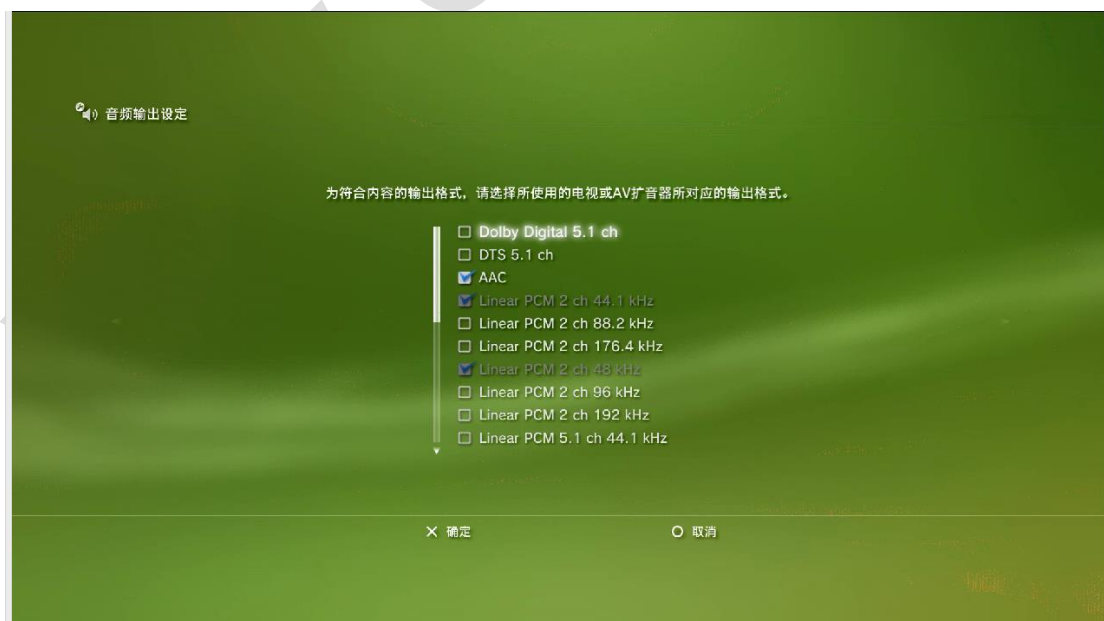


- 请右击电脑的扬声器图标选择属性或播放设备，并将 EZCAP28X 设备设定为默认播放设备。如果没有设定这一个，你录制的视频将会没有声音。



6, 为什么从 PS3 的 HDMI 录制视频发现文件没有声音？

- 请设置你的 PS3 的音频输出设定。  
选择音频输出设定--- 选择 HDMI --- 选择手动，不要勾选 Dolby 和 DTS， 然后保存设定即可。



## OBS 使用说明

ezcap 系列高清视频录制盒除了能独立录制高清视频外，现在配合 OBS 软件，可以在电脑上录制，以及实现流媒体广播。

OBS 软件，是一款免费开源的软件，其强大的能力以及较低的资源占用率受到了很多玩家的喜欢，是目前主流的一款直播软件，支持绝大部分的直播平台，境外的如 Twitch, YouTube, Bitbox, beam, Facebook Live 等等，国内的如斗鱼，战旗，熊猫 TV，虎牙，龙珠，等等。

配合 ezcap 高清采集卡，可以录制高清视频，且可以选择不同的格式，如 flv, ts, mp4, mov， 可以设置录制不同的比特率，可以设置录制不同的分辨率，而且可以和电脑的麦克风进行混音录制等。

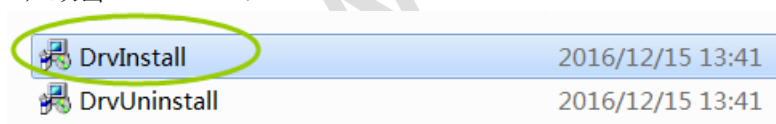
注:建议电脑 CPU i5 或以上，RAM 4G 以上， Windows 7, 8, 10。

### 一， 驱动安装：

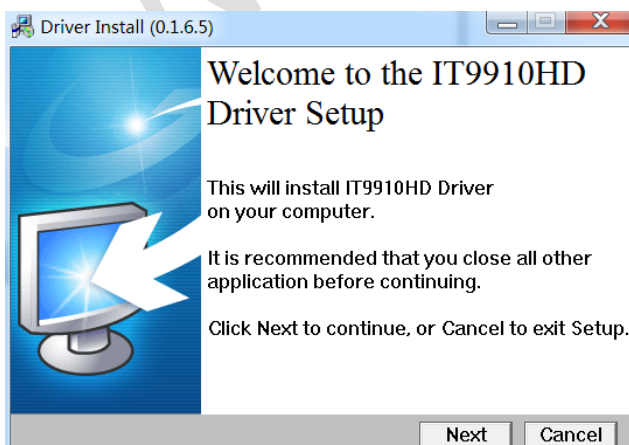
1, 使用 USB 线连接产品到电脑的 USB 口，在设备管理器会出现一个新的硬件：



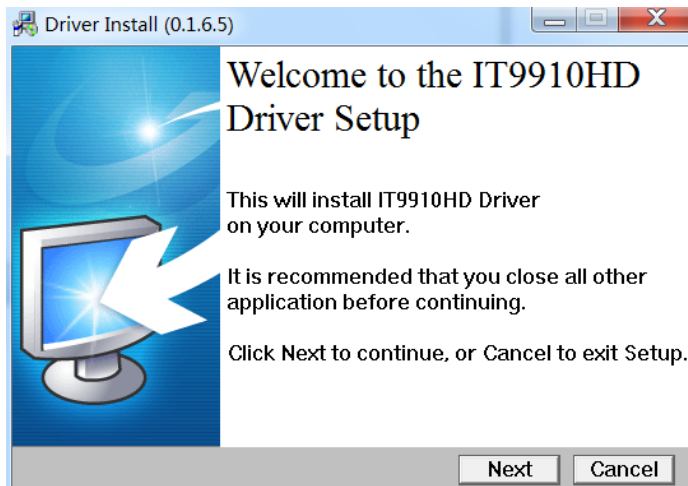
2, 双击"DrvInstall":



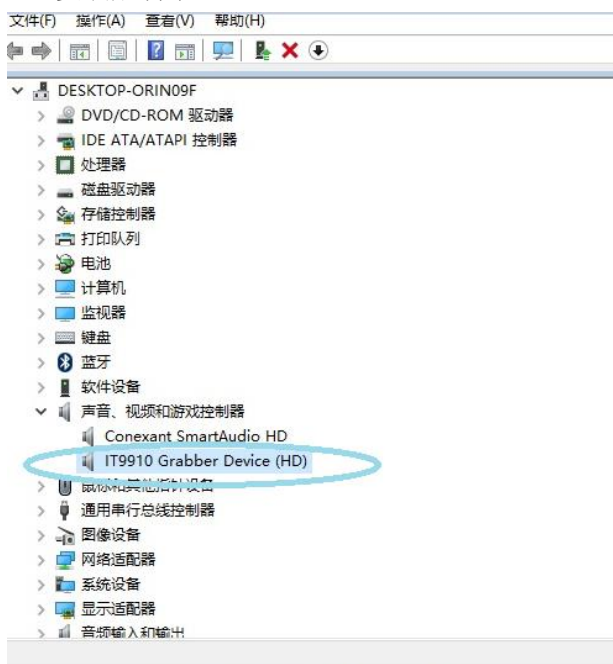
3, 在出现的对话框，点击"Next"



4, 点击 "Finish":



## 5, 安装成功了!



### 注:

如果你的电脑是 **Windows7 64 位** 系统, 那因为微软安全漏洞的原因可能导致安装不成功提示未经过数字签名。 请安装软件光盘里的 “**Windows6.1-KB3033929-x64.msu**” 程序即可解决。

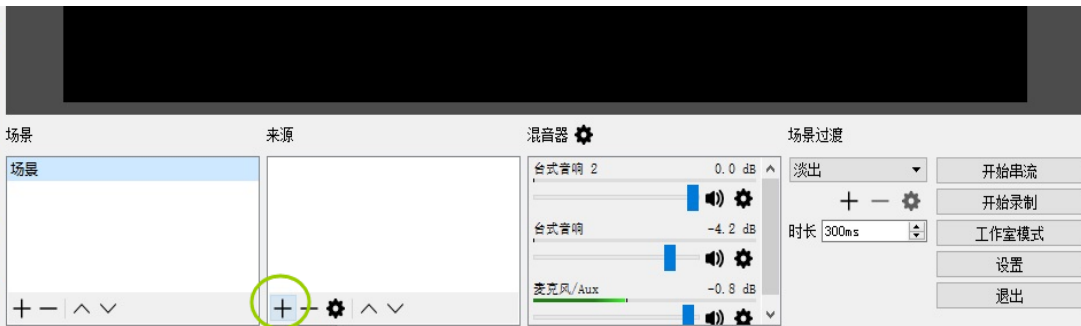
如果你之前安装过错误的驱动而导致现在无法安装正确驱动, 请双击 **DrvUninstall.exe** 以删除之前已经安装的错误文件, 然后就可以重新安装正确驱动了。

## 二, OBS STUDIO 软件安装:

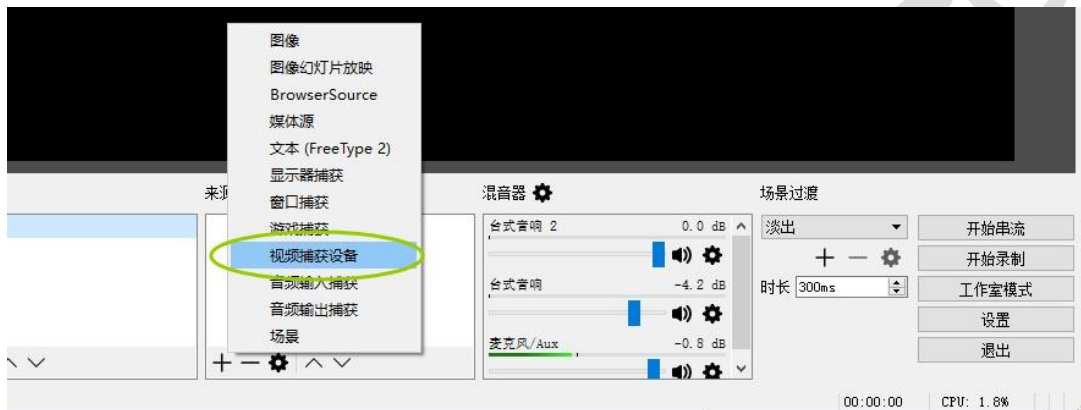
从 <https://obsproject.com/> 下载 OBS STUDIO 安装文件，并按提示安装即可。

### 三，软件设定：

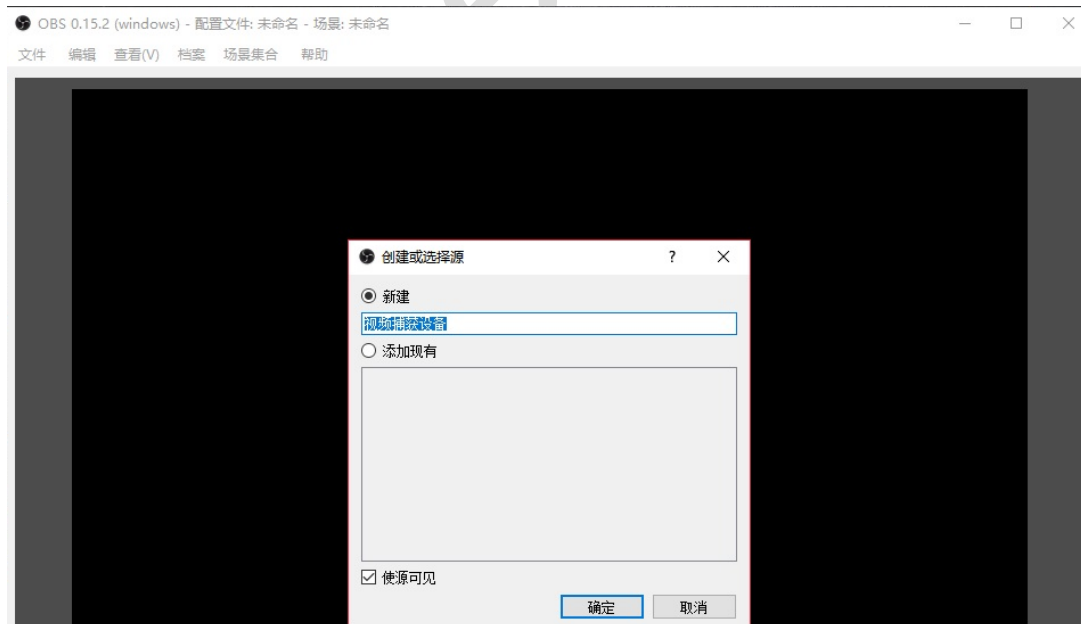
1，打开 OBS STUDIO，在来源处点“+”：



2，點選“视频捕获设备”



3，点击“确定”



4，将视频源接入 ezcap 高清采集盒，设备框里选择“IT9910 Capture Filter (HD)”稍等片刻，即可预览到输入的视频了（如果是接入的 HDMI 输入的话）：



5, 若接入的不是 HDMI 视频, 则需点选“配置 Crossbar”

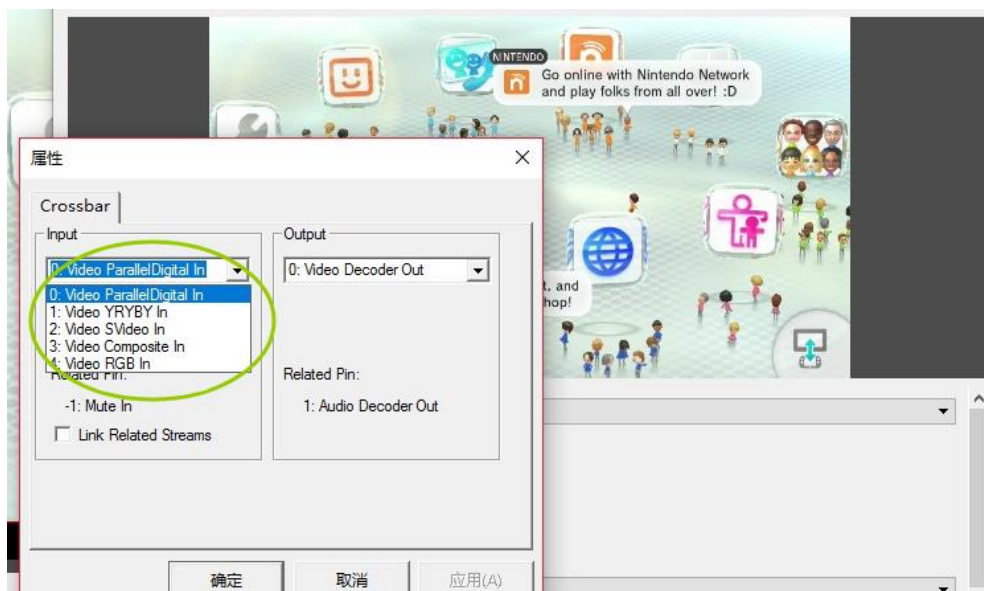


6, 选择对应接入的视频然后“确定”, 通常情况下改选输入源后需要重新启动软件后才能预览视频。

0: Video ParallelDigital In 对应 HDMI 信号输入;

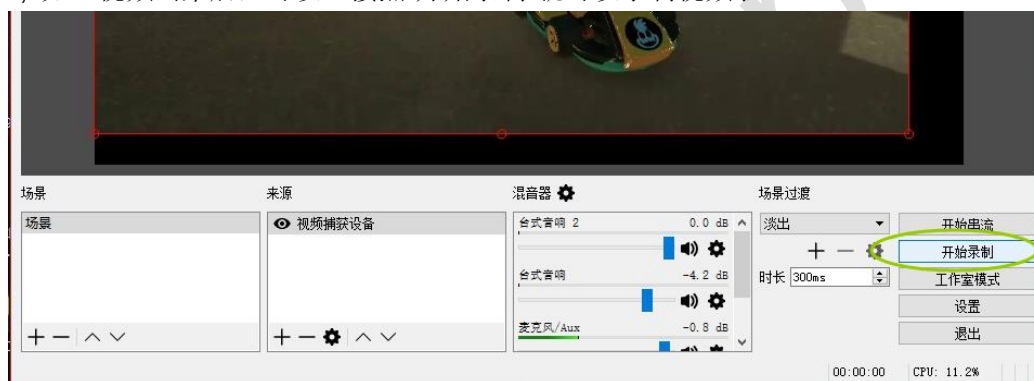
1: YRYBY In 对应色差分量信号输入(红绿蓝三色端子);

3: Video Composite In 对应复合同步视频信号输入(CVBS,AV,黄色端子)

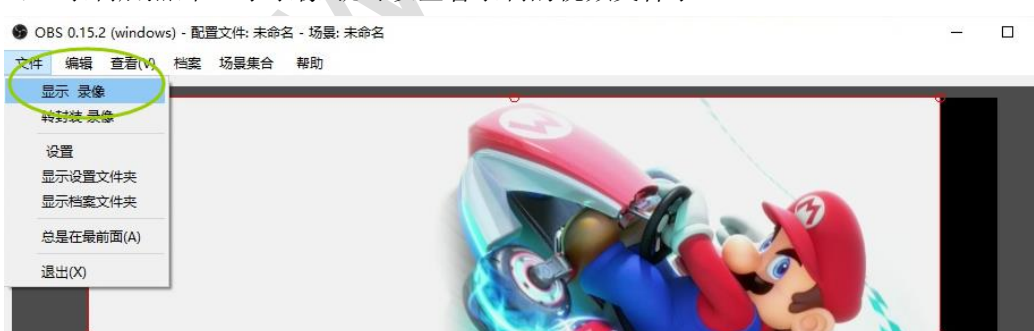


#### 四，视频录制：

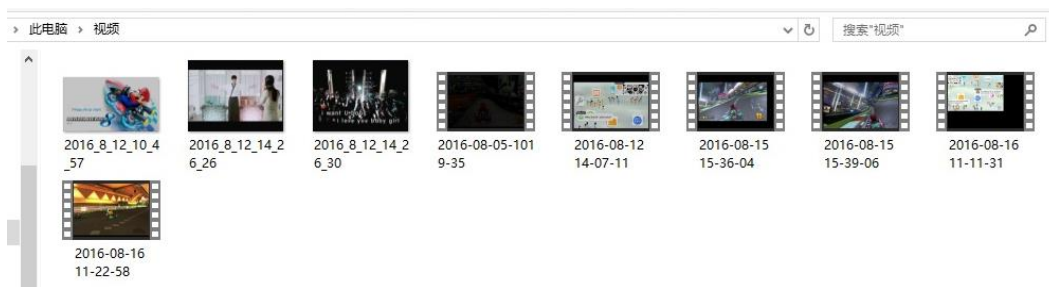
1，如上视频出来后，可以直接点“开始录制”就可以录制视频啦：



2，录制后点击“显示录像”就可以查看录制的视频文件了：



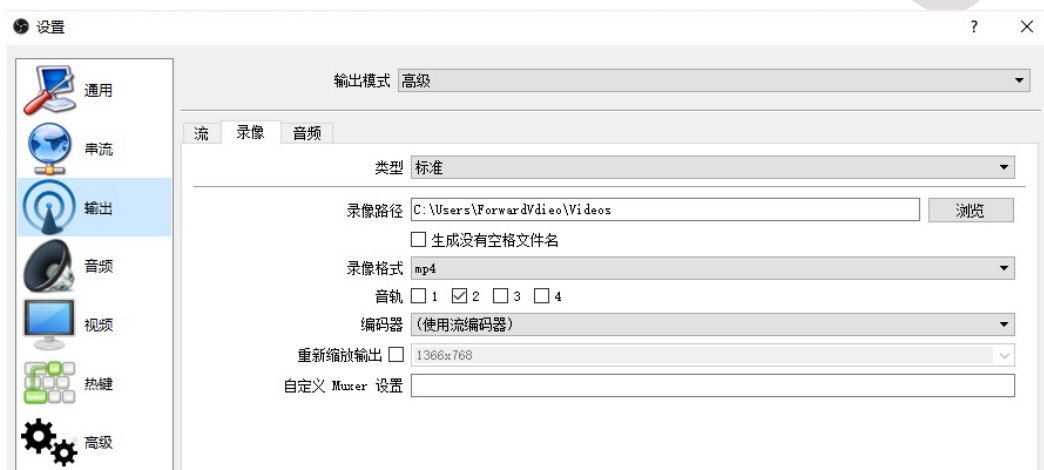
3，录下来的视频都在这里：



4, 录制前你可以选择自己想要的录制文件格式:



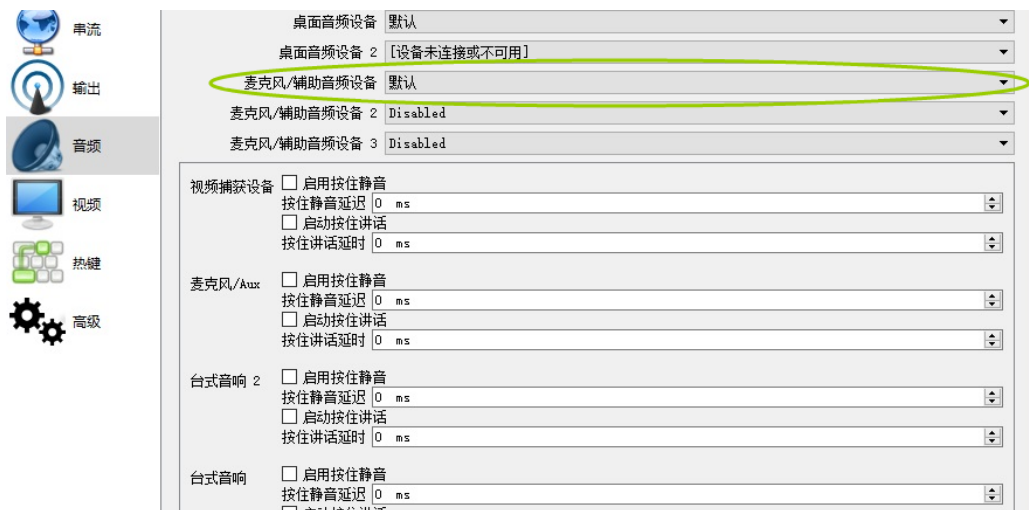
5, 在“输出”-“录像”里, 我们看到各种设定, 包括录像路径 (如果默认的 C 盘空间不足可以改到其他的磁盘)



6, 可以设置各种录像格式:



7, 可以设置录制视频的同时与电脑的麦克风输入进行混音, 在音频设置里 麦克风选框, 点选电脑的麦克风:



8，选择正确的话可以在混音器下看到麦克风，且它的音量进度条会根据周围的音量在变化，如果没有，则需要重新设置或检查麦克风接入。



9，可以设置录制分辨率：



10，有些情况下部分电脑会有录下的视频没有声音，做如下设定即可，在设定—音频下设置采样率为44.1khz，设置确定后需重启启动软件：



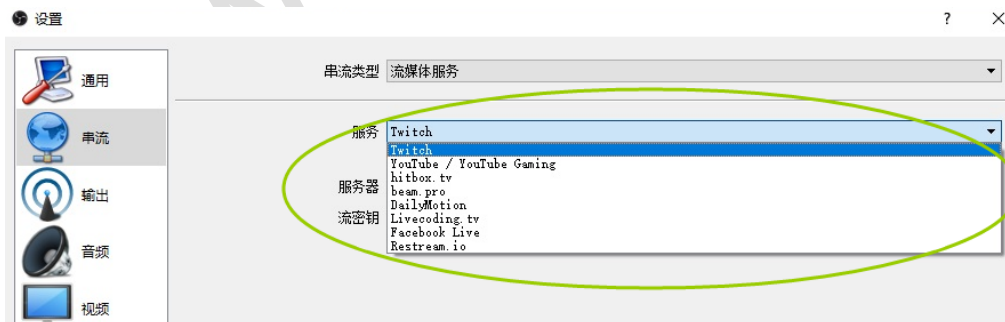
11, 点“混音器”，在“高级音频属性”将“视频捕获设备”的值设为 80%:



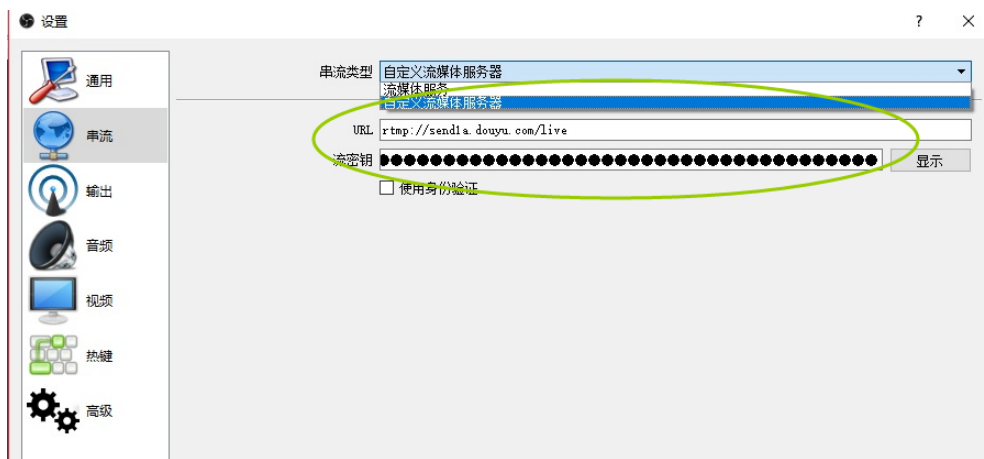
## 五，视频串流:

经过如上的各种设定，串流-这个最强大的功能反而很简单的操作就可以实现了:

1, 在设置—串流的默认设置里如果有自己使用的平台，选择它，然后选择服务器输入流密钥:



2, 在国内没有使用上述平台的，选择自定义流媒体服务器，然后输入 URL 和流密钥:



3, 服务器的 URL 和流密钥，在申请直播后自己的后台可以看到，如斗鱼的：



4, 然后就可以直播啦！直接点选“开始串流”即可：



5, 根据自己的网络，电脑等情况，可以设置串流的分辨率，比特率，等等。