



Dual CamLink RAW

Manual



Model: ezcap361

Ver:M361250818

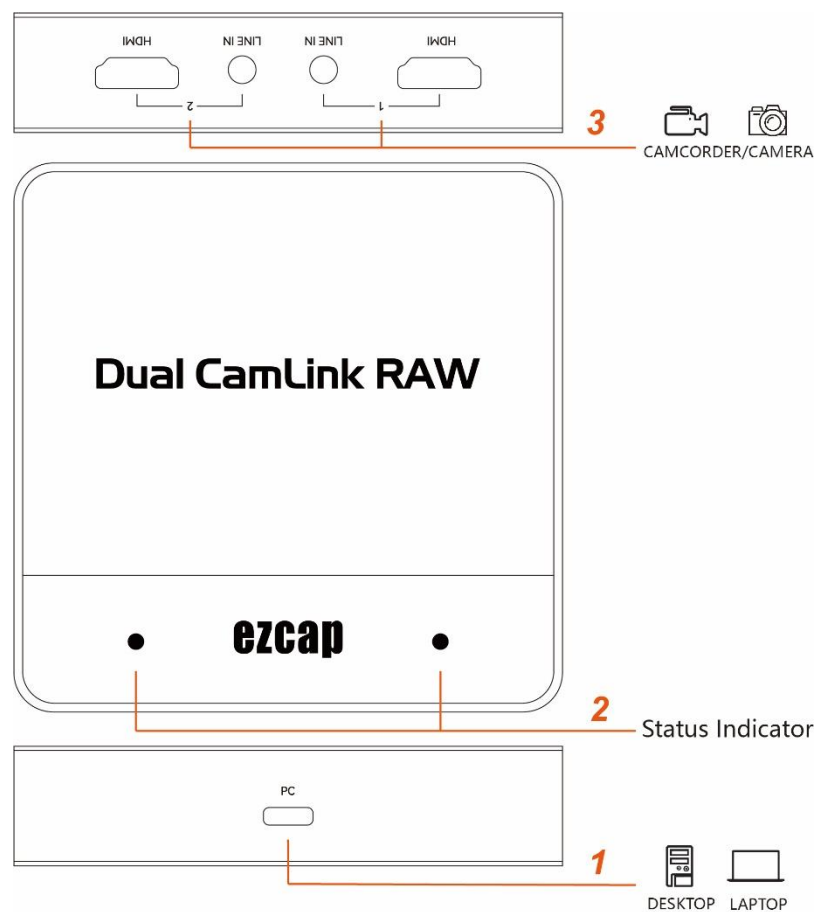
Overview

Thanks for purchasing **ezcap361 Dual CamLink RAW** capture card. Please read this manual before use and keep it in a safe place for future reference. You can use this device: Capture and stream two channel HDMI signal up to 4K or RGB24 1080P60 such as Camcorder, DSLR, action camera, mobile devices and etc.

In the Box

ezcap361 Dual CamLink RAW x1, USB-C to A cable x1, Manual x1

Product Overview and Connections



-
1. PC: Connect to USB port of your computer with included USB-C to A cable.
 2. Status indicator: Corresponding HDMI input 1/2, BLUE-HDMI connected, GREEN-device running.
 3. HDMI/LINE IN 1/2: HDMI input port, connect to camcorder, DSLR, action camera or mobile devices with HDMI cable. LINE IN port, connect to Mixer to mix audio with corresponding HDMI input video.

Hardware

Connect your device to the USB port of the computer, wait a moment, the system will automatically recognize ezcap361 Dual CamLink RAW device, and you will find the device name – **ezcap Dual CamLink RAW CH1** and **ezcap Dual CamLink RAW CH2** in **Cameras** catalog and **Sound, video, and game controllers** catalog on **device manager**, which means the device is ready to work.

Camera Tips

The tips will ensure the best experience and image quality when using camera with ezcap361 Dual CamLink RAW capture card. These are general tips and may not apply directly to the camera you are using.

- 1, **Disable AUTO SHUTOFF**: Most cameras will automatically turn off to prevent battery drain. For video calls, the camera needs to stay on indefinitely. Automatic power shutoff settings are most often found in the power settings of the camera.
- 2, **Clean HDMI OUTPUT**: Cameras output graphical user interface elements such as

battery levels and resolution settings. This can be disabled by going into HDMI menu of camera and disabling HDMI info display, or by pressing the info button on your camera multiple times.

3, **Use an AC ADAPTER:** Most cameras cannot operate and charge at the same time. An AC adapter or dummy battery must be used to trick the camera into thinking it is running on battery power indefinitely.

4, **Set to MOVIE MODE:** Look for the Movie Mode option, typically indicated by a film camera icon on a camera's mode dial.

Software

ezcap361 Dual CamLink RAW capture card can be used with most capture and streaming software such as OBS, vMix, VLC, XSplit and etc. For professional live streaming or recording, we suggest use OBS.

Please go to download: <https://obsproject.com/> , then install it on your computer.

Start Work

Select Device

Double-click the OBS Studio icon on the desktop.

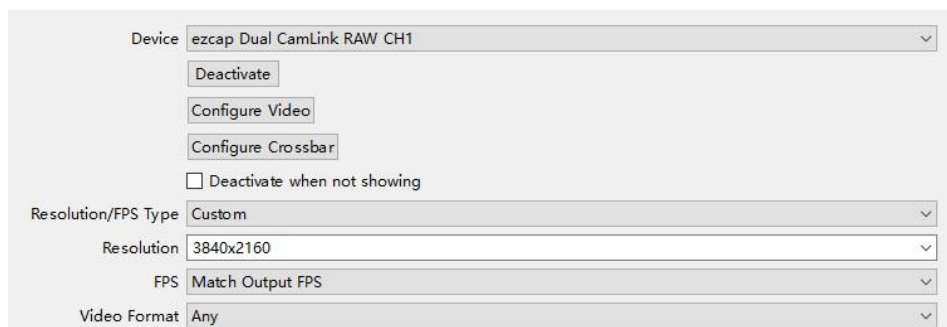
Click icon +under **Sources** window, and select **Video Capture Device**. Click **OK** in the new pop-up window. Please click **Device** and select **ezcap Dual CamLink RAW CH1**.

You can change the scene name and video capture device name.

Video Setting

You will see the video from **HDMI 1** port of ezc361 Dual CamLink RAW appear in the preview window.

You can add channel2 video with similar setting above – ezc361 Dual CamLink RAW CH2.

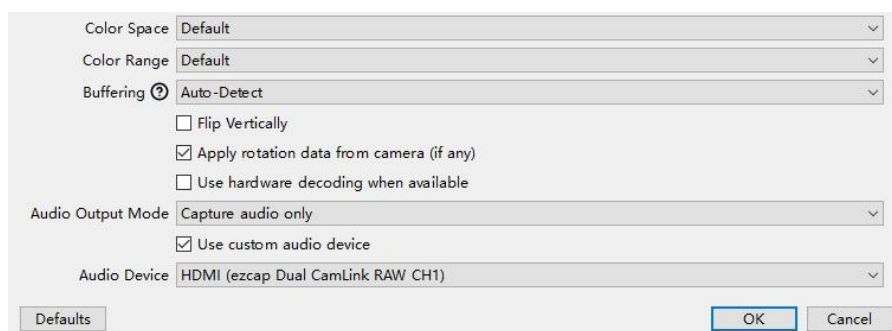


The screenshot shows the 'Video Setting' dialog box. At the top, the 'Device' is set to 'ezcap Dual CamLink RAW CH1'. Below this are three buttons: 'Deactivate', 'Configure Video', and 'Configure Crossbar'. There is also a checkbox labeled 'Deactivate when not showing' which is currently unchecked. The 'Resolution/FPS Type' is set to 'Custom'. The 'Resolution' is set to '3840x2160'. The 'FPS' is set to 'Match Output FPS'. The 'Video Format' is set to 'Any'.

You can click the drop-down box next to **FPS** to select the appropriate FPS, and click the drop-down box next to **Video Format** to select the video format.

Audio Setting

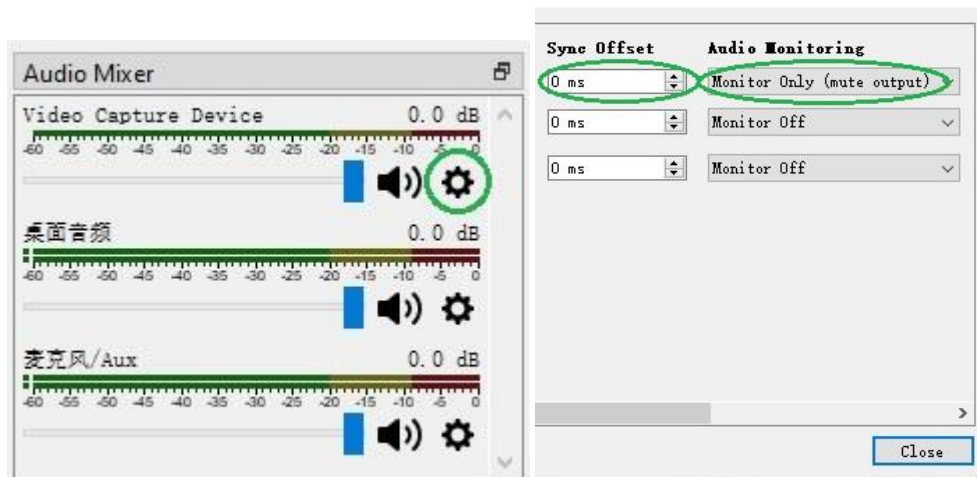
You may not be able to hear the sound after you finish above settings. Please tick **Use custom audio device**, and click the drop-down box next to **Audio Device** and select **HDMI (ezcap Dual CamLink RAW CH1)**. You hear the sound now, then click "OK" .



The screenshot shows the 'Audio Setting' dialog box. The 'Color Space' is set to 'Default'. The 'Color Range' is set to 'Default'. The 'Buffering' is set to 'Auto-Detect'. There are three checkboxes: 'Flip Vertically' (unchecked), 'Apply rotation data from camera (if any)' (checked), and 'Use hardware decoding when available' (unchecked). The 'Audio Output Mode' is set to 'Capture audio only'. The 'Use custom audio device' checkbox is checked. The 'Audio Device' is set to 'HDMI (ezcap Dual CamLink RAW CH1)'. At the bottom, there are three buttons: 'Defaults', 'OK', and 'Cancel'.

If you still cannot hear the sound, please click **Setting** under **Audio Mixer** and **Video**

Capture Device at the bottom middle of OBS panel as below picture and select **Advanced Audio Properties**. Then click **Audio Monitoring** and select **Monitor Only** (mute output).



Of course, you can also set the audio according to your actual application, and set a certain length of time to achieve audio and video synchronization, such as 300ms. You can also set audio for channel 2 devices.

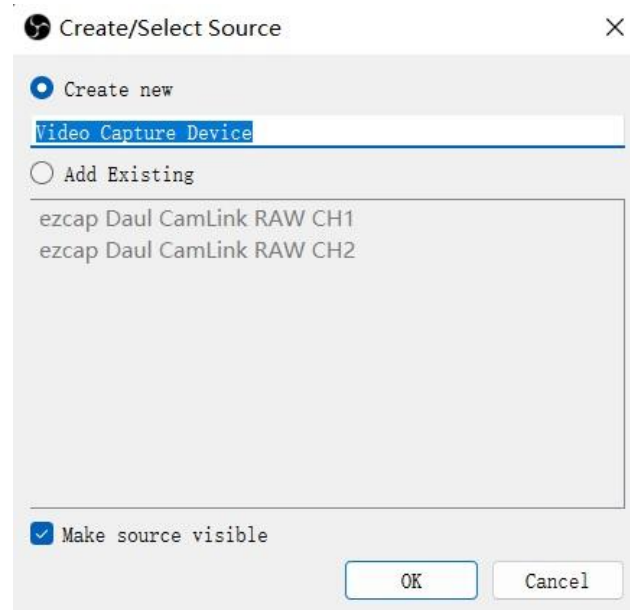
Multi-scene switch

A powerful video mixer engineered for two cameras production, ezc361 Dual CamLink RAW equips you to capture two HDMI signals with ultimate ease and flexibility.

Add different scenes according to your actual video production needs on OBS. In each different scene, each HDMI video can be reused in different video combination modes.

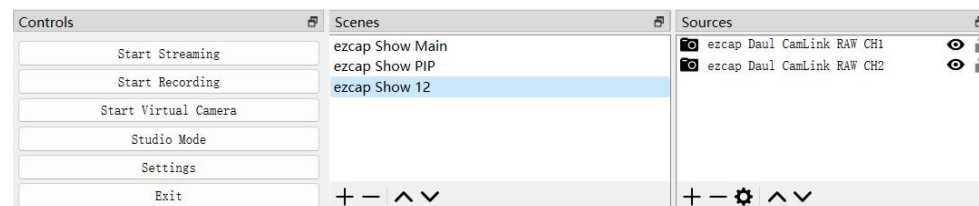
You just need to tick **Add Existing** when adding the same device in different scenes and then select the desired camera video. Each video can be adjusted to the display combination you need in this scene, such as Picture in Picture, Side by Side, or single

picture.



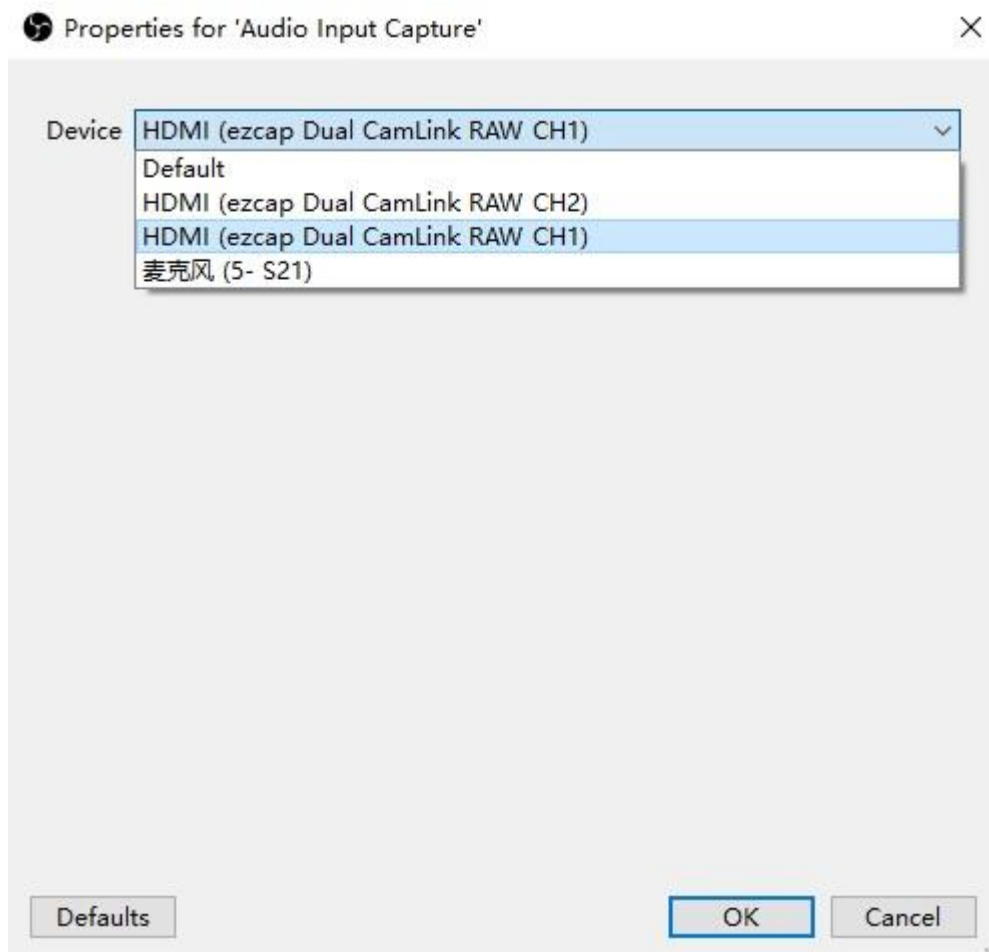
You can switch the different picture combination between the different scene right

now.

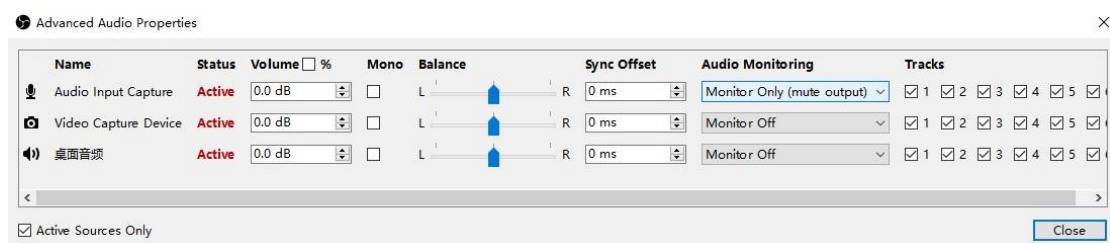


Note: If you are using the OBS version as Ver. 29 or higher, maybe you need to set up the audio device with the following methods

Click the icon+ under the source area in the bottom left corner of the OBS panel, and then select **Audio Input Capture**. Click **OK** in the pop-up window, where you can also rewrite the new name for the device. After clicking **OK**, click on the drop-down box next to the **Device** in the pop-up window, select **ezcap Dual CamLink RAW CH1**, and then click "OK"



Click the **settings** icon on the **Audio Mixer** interface, and then select **Advanced Audio Properties**. In the new pop-up window, in the **Audio Input Capture** column, click **Audio Mornitoring**, and then select **Monitor Only (mute output)**.



In the **Audio Mixer** interface, in the **Video Capture Device** column, click the **volume** icon to turn off audio output. You can turn on or off the sound output from the device by clicking on the volume icon in the **Audio Input Capture** column.



Recording

Click **Settings** in the low right corner of OBS panel, and click **Video** on the left in the pop-up Settings window. Click the drop-down box next to **Base (canvas) Resolution** to select the appropriate resolution, and click the drop-down box next to **Output (Scaled) Resolution** to select the output resolution. Click the drop-down box next to **Common FPS Values** to select the FPS values.

Click **Output** on the left of Settings window as above, in **Recording** column, you can set **Recording Path**, **Recording Quality**, **Recording Format**, **Encoder**.

After setting, click **Apply** and **Ok** in the low right corner of Settings panel, then simply click **Start Recording** in the low right corner of OBS panel to start recording videos, and click **Stop Recording** to stop recording.

Streaming

Click **Output** in the **Settings** panel, in the **Streaming** column, set video quality for streaming (adjust depends your computer, network speed), then click icon Apply and OK in the Settings panel. Click **Stream** in the Settings panel, then you can click the

drop-down box next to **Service** to choose the software platform you want, then click icon Apply and OK in the Settings panel.

Click **Start Streaming** in the low right conner of OBS panel to start streaming, and click **Stop Streaming** to stop streaming.

Note: Please click the **help** at the top of the OBS interface, and learn more about OBS in the link that pops up.

Specifications

Interface: USB 3.2 (Gen 1) Type-C

Video Input: HDMI ® 1.4 enabled x2

Audio Input: HDMI 1.4 x2, 3.5mm Line In (TRS 3-pole) x2

Max. HDMI Input Resolution: 2160p30, 1080p60

Max Record Resolution for HDMI 1:

3840 x 2160 - 30fps/MJPEG.

2560 x 1440 - 120fps/MJPEG.

2560 x 1080 - 60fps/MJPEG.

1920 x 1080 -120fps /NV12/I420/MJPEG, 60fps/NV12/I420/ YUY2/RGB24/MJPEG.

1280 x 720 - 60fps/NV12/I420/YUY2/RGB24/MJPEG.

Max Record Resolution for HDMI 2:

1920 x 1080 - 60fps/NV12/I420/YUY2

1280 x 720 - 60fps/NV12/I420/YUY2

720 x 576 - 60fps/NV12/I420/YUY2.

720 x 480 - 60fps/ NV12/I420/YUY2

Dimensions (W x D x H): 99 x 99 x 23 mm

Weight: 190g

* The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing

Administrator, Inc.

Operating System

Windows 10 x64 / 11 x64, USB 3.2 (Gen 1) Port x1

Desktop: Intel Core i5-6XXX or above, NVIDIA GeForce GTX 1060 or above.

Laptop: Intel Core i7-7700HQ or above, NVIDIA GeForce GTX1050 Ti or above.

8 GB RAM recommended.

Note: The device only supports one channel video if you connect to Mac OS. It' s caused by the product solution.

The logo for ezcap, featuring the word "ezcap" in white lowercase letters on an orange rounded square background.

Dual CamLink RAW

双路采集卡

说明书



产品型号: ezcap361

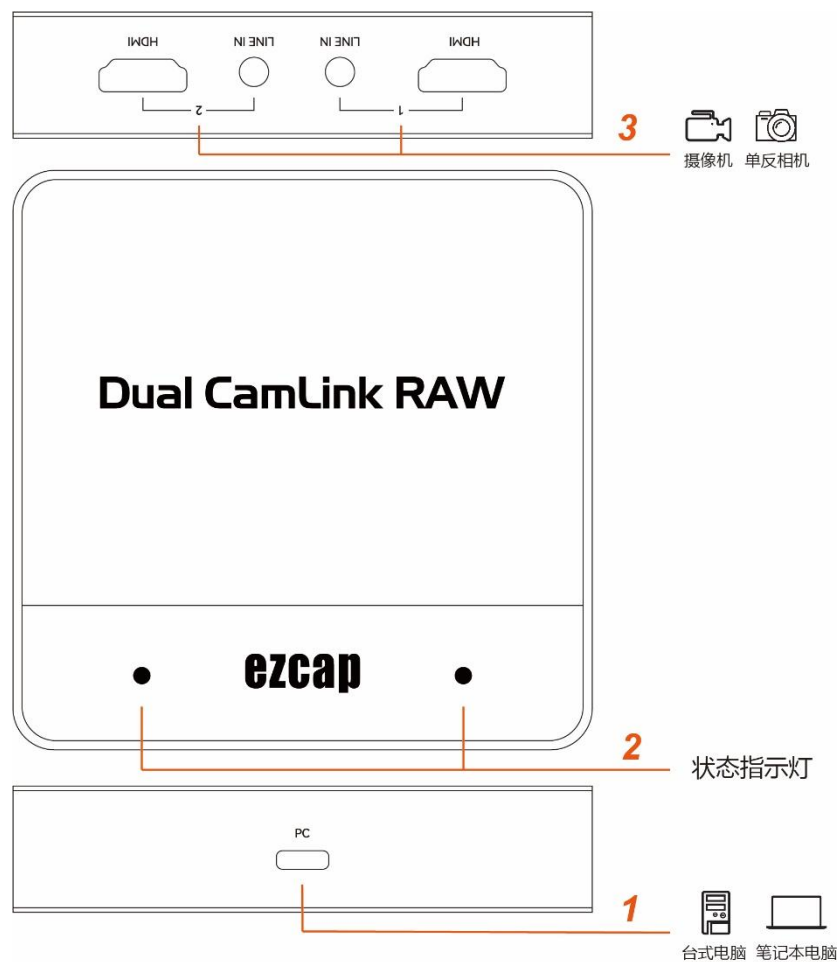
概览

感谢您购买 **ezcap361 Dual CamLink RAW 双路采集卡**。使用前请阅读本手册并将其保存在安全的地方以备日后参考。 您可以使用此设备：以最高 4K 或 1080p60 RGB24 高清视频采集或直播两路 HDMI 信号，比如摄像机，单反相机，运动相机，移动设备或其它视频设备。

包装内容

ezcap361 Dual CamLink RAW 双路采集卡 x1, Type-C 转 A 数据线 x1, 说明书 x1

产品概览与连接



1. PC: 使用配置的 USB 数据线连接到电脑 USB3.0 接口。

-
2. 状态指示灯：分别对应 HDMI 1/2 输入接口，蓝色-已连接 HDMI 信号，绿色-设备运行。
 3. HDMI / LINE IN 1/2: HDMI 输入接口，用 HDMI 线连接到摄像机，单反相机或别的 HDMI 视频源设备。LINE IN 音频输入接口，用 3 极音频线连接混音器，与对应的 HDMI 输入音频混音。

硬件

将设备连接到电脑的 USB3.0 端口，稍等片刻，系统会自动识别 ezcap361 Dual CamLink RAW 双路采集卡，你会在**设备管理器**的**照相机**和**声音视频和游戏控制器**项目下看到设备名称 **ezcap Dual CamLink RAW CH1** 和 **ezcap Dual CamLink RAW CH2**，则表示设备已经可以工作了。

相机提示

这些提示将确保相机和 ezcap361 Dual CamLink RAW 双路采集卡一起使用时获得最佳体验和图像质量。这些是一般提示，可能并不直接适用于您正在使用的相机。

- 1、**禁用自动关机**：大多数相机会自动关闭以防止电池耗尽。对于视频通话，摄像头需要无限期地保持开启状态。自动电源关闭设置最常出现在相机的电源设置中。
- 2、**禁用 HDMI 信息显示**：相机输出图形用户界面元素，例如电池电量和分辨率设置。这可以通过进入相机的 HDMI 菜单并禁用 HDMI 信息显示，或多次按下相机上的信息按钮来禁用。
- 3、**使用交流适配器**：大多数相机不能同时操作和充电。必须使用交流适配器或假电池来诱使相机认为它无限期地运行或电池供电。
- 4、**设置为电影模式**：寻找电影模式选项，通常由相机模式拨盘上的胶片相机图标指示。

软件

ezcap361 Dual CamLink RAW 双路采集卡可与 OBS、vMix、VLC、XSplit 等大多数采集直播软件配合使用。对于免费的专业直播或录制，我们建议使用 OBS。

请登录链接下载 OBS：<https://obsproject.com/>，并在您的电脑安装好。

开始使用

设备选择

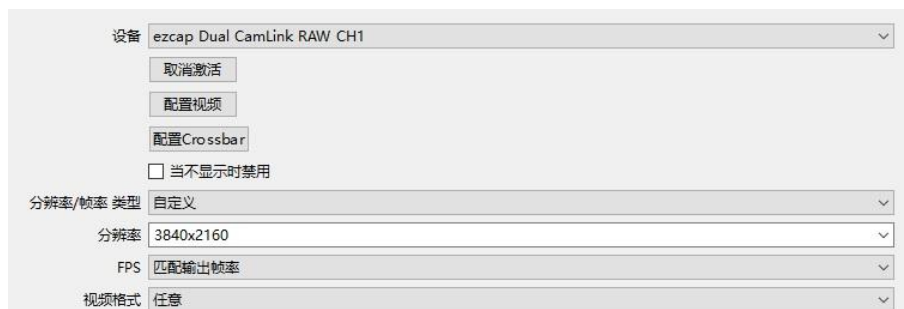
双击桌面上的 OBS Studio 图标以运行 OBS。

单击 OBS 面板左下角**场景**区域下方的图标+，然后在弹出的窗口中根据需要输入场景名称，单击**确定**。单击 OBS 面板左下角**来源**区域下方的图标+，然后选择**视频采集设备**。在弹出的窗口中单击**确定**，在这个窗口你也可以为设备改写新的名称。点击确定之后，在弹出的窗口中单击**设备**旁边的下拉框，然后选择 **ezcap Dual CamLink RAW CH1**。

视频设置

这些设置完成后，应该能在软件捕获窗口中看到来自于 **HDMI 1** 接口的视频画面。

你可以按照上述类似的设置添加第二路视频设备：**ezcap Dual CamLink RAW CH2**。



您可以点击 **FPS** 旁的下拉框以选择适当的帧率，还可点击**视频格式**旁的下拉框以选择适当的视频格式。

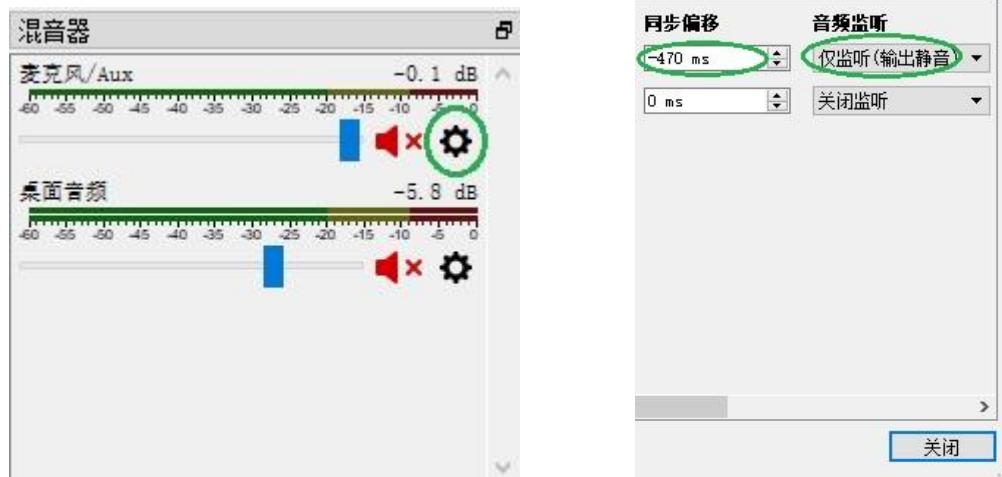
音频设置

完成以上设置后，你可能还听不到声音。请在上述视频设置的界面下勾选**使用自定义的音频设备**，然后单击**音频设备**旁边的下拉框，并选择 **HDMI (ezcap Dual CamLink RAW CH1)**。

你应该能听到声音。单击窗口右下角的**确定**按键完成设置。



如果仍然听不到声音，请单击**混音器**界面的**设置图标**，然后选择**高级音频属性**。在新的弹出窗口中，单击**音频监听**，然后选择**仅监听（输出静音）**。



当然你还可以根据实际应用设置音频，并设置一定的时间长度来实现音视频同步，比如 300ms。

如果需要，你也可以为另外一路设备设置音频。

多场景切换

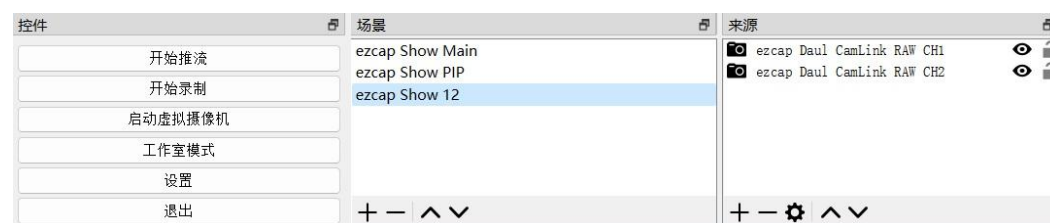
ezcap361 Dual CamLink RAW 双路采集卡是一款功能强大的视频混合器，专为双机位制作而

设计，让您可以轻松灵活地捕捉到两路 HDMI 信号。

在 OBS 上根据您的实际视频制作需求添加不同的场景。在每个不同的场景中，每个 HDMI 视频都可以在不同的视频组合模式下重复使用。在不同场景中添加相同设备时，只需勾选**添加现有**，然后选择所需的机位视频。每个视频都可以调整为您在此场景中需要的显示组合，例如画中画、并排和单画面组合。

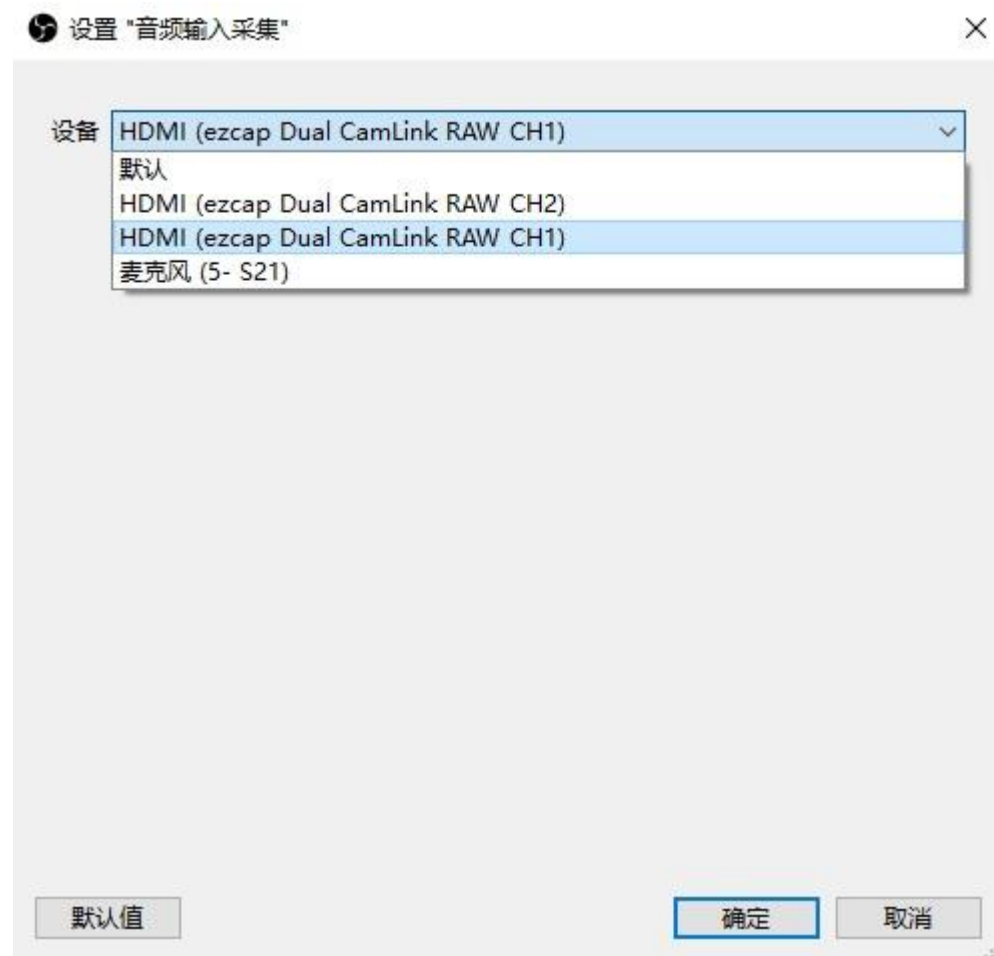


现在你可以在不同的场景之间切换不同的视频画面组合了。



注意：如果你使用的 OBS 版本为 Ver. 29 或更高，也许你需要用以下方法设置音频设备

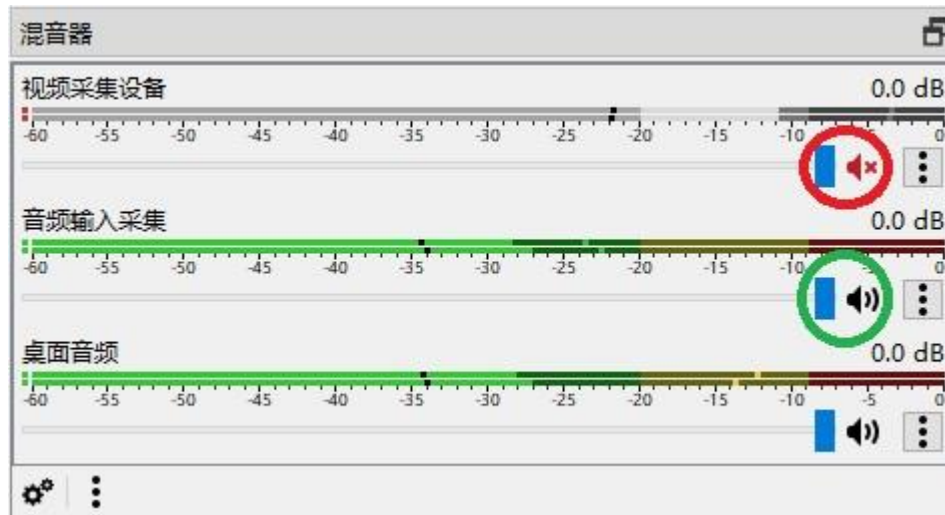
单击 OBS 面板左下角**来源**区域下方的图标+，然后选择**音频输入采集**。在弹出的窗口中单击**确定**，在这个窗口你也可以为设备改写新的名称。点击确定之后，在弹出的窗口中单击**设备**旁边的下拉框，然后选择 **ezcap Dual CamLink RAW CH1**，然后点击“确定”。



单击**混音器**界面的**设置**图标，然后选择**高级音频属性**。在新的弹出窗口中，在**音频输入采集**一栏，单击**音频监听**，然后选择**仅监听（输出静音）**。



在**混音器**界面，**视频采集设备**一栏，点击音量图标，关闭音频输出。你可以通过点击**音频输入采集**一栏的音量图标来打开或关闭设备输出的声音。



如果需要，你也可以为另外一路设备设置音频。

录制

单击 OBS 面板右下角的**设置**按键，然后在弹出的**设置**窗口中单击左侧的**视频**。单击**基础（画布）**

分辨率旁边的下拉框选择适当的分辨率,单击**常用 FPS 值（帧率）**右侧的下拉框以选择 FPS 值。

单击**设置**窗口左侧的**输出**，在**录像**这一栏目下可以设置**录像路径**，**录像质量**，**录像格式**，**编码器**。

在各项设置完成后，单击**设置**面板右下角的**应用**和**确定**，然后只需单击 OBS 面板右下角的**开始录制**按键即可开始录制视频，单击**停止录制**即可停止录制。

推流（直播）

单击软件界面的**设置**按键，然后点击**设置**面板左侧的**输出**，在**串流**这一栏目下，可以设置串流的**视频比特率**，**编码器**，**音频比特率**（根据计算机配置及网络速度进行调整）。

单击**设置**面板左侧的**推流**图标，然后单击**服务**这一栏旁边的下拉框以选择所需的软件平台，单击 **设置**面板右下角的**应用**和**确定**图标完成设置。

单击 OBS 软件面板右下角的**开始推流**就可以开始直播，点击**停止推流**就可以停止本次推流。

注：您可以单击软件界面顶部的**帮助**菜单，登录 OBS 网站详细了解更多的使用方法。

产品规格

接口：USB 3.2 (Gen 1) Type-C

视频输入：HDMI ® 1.4 enabled x2

音频输入：HDMI 1.4 x2, 3.5mm Line In (TRS 3-pole) x2

最高 HDMI 输入分辨率：2160p30, 1080p60

HDMI 1 最高采集分辨率：

3840 x 2160 - 30fps/MJPEG.

2560 x 1440 - 120fps/MJPEG.

2560 x 1080 - 60fps/MJPEG.

1920 x 1080 -120fps /NV12/I420/MJPEG, 60fps/NV12/I420/ YUY2/RGB24/MJPEG.

1280 x 720 - 60fps/NV12/I420/YUY2/RGB24/MJPEG.

HDMI 2 最高采集分辨率：

1920 x 1080 - 60fps/NV12/I420/YUY2.

1280 x 720 - 60fps/NV12/I420/YUY2

720 x 576 - 60fps/NV12/I420/YUY2

720 x 480 - 60fps/ NV12/I420/YUY2

产品尺寸 (长 x 宽 x 高): 99 x 99 x 23 mm

重量：190 克

* HDMI、HDMI High-Definition Multimedia Interface 等词汇、HDMI 商业外观及 HDMI

标识均为 HDMI Licensing Administrator, Inc. 的商标或注册商标。

系统配置

Windows 10 x64 / 11 x64, USB 3.2 (Gen 1) 接口 x1

台式机：Intel Core i5-6XXX 或更佳，NVIDIA GeForce GTX 1060 或更佳。

笔记本：Intel Core i7-7700HQ 或更佳，NVIDIA GeForce GTX1050 Ti 或更佳。

推荐 8 GB 内存。

注：该设备连接到 MAC 系统，仅仅支持一路视频，这是由该产品方案决定的。