



GameDockExtreme

manual



Model: ezcap360

Ver: M36020230817

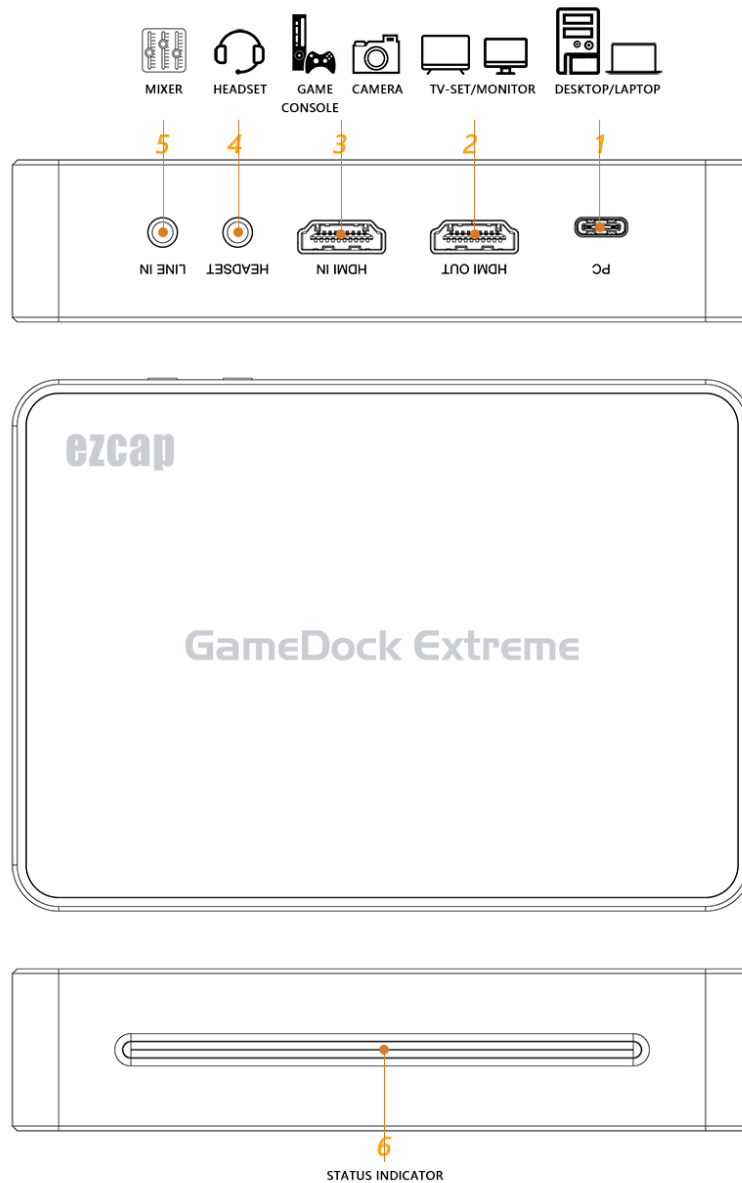
Thanks for purchasing ezcap360 GameDock Extreme game capture card. Please read this manual before use and keep it in a safe place for future reference. You can use this device: Capture and stream HDMI video up to 2160p60 or 1080p120 resolution on your computer, and mix microphone and audio line input for mixing audio.

Overview

In the Box

ezcap360 GameDock Extremex1, USB-C to A cable x1, Manual x1

Product Overview and Connections



1. PC: To connect to computer USB port.
 2. HDMI OUT: HDMI output port, connect to TV or monitor.
 3. HDMI IN: HDMI input port, connect to game console or other video source.
- Supports HDR and VRR input. Supports LPCM 5.1 and 7.1 channel audio pass through.
4. Headset: 3.5mm audio for output to earphone and microphone input (CTIA).

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5. LINEIN: Connect to Audio mixer, and mix the audio with video together.
 6. Status Indicator: Power on – Red, HDMI input – Blue, Device running –Colorful slow flashing.

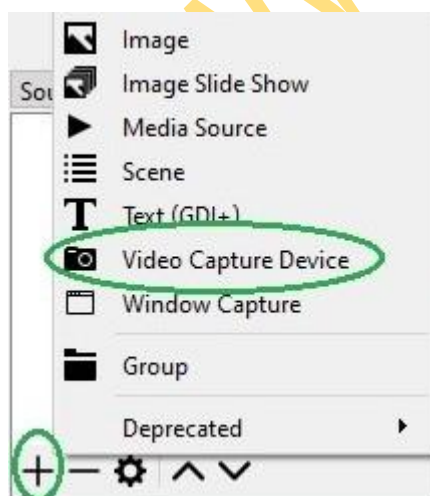
Software

For professional live streaming or recording, we suggest use OBS, download link:<https://obsproject.com/>

Start Work

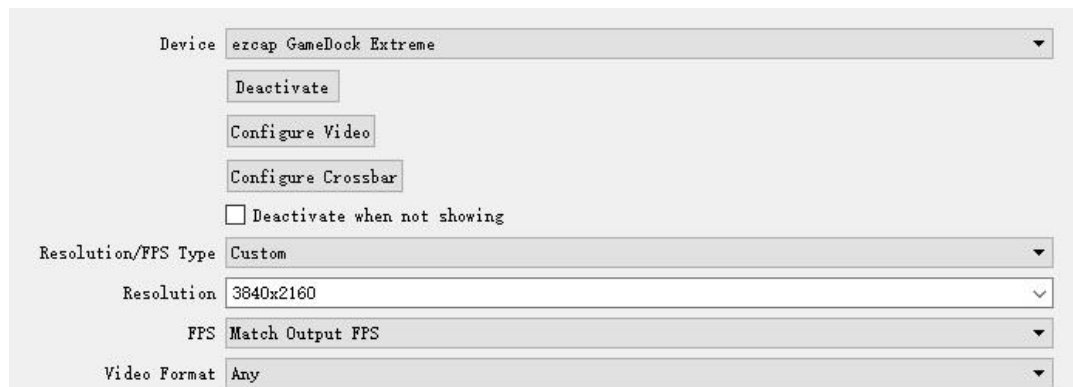
Select Device

After download and installation, double click **OBS Studio**. Click icon + under **Sources** window, and select **Video Capture Device**. Click **OK** in the new pop-up window. Please click **Device** and select **ezcapGameDock Extreme**.



Video Setting

You should get the video in window. If not, and you see **Check Resolutions Settings** on the window, you need to set the video resolution. Click **Resolution/FPS Type** and select **Custom**, then click **Resolution** to select one resolution that same or smaller as the resolution of your video source.



If resolution of video source device output are 3840 x 2160, you may find that the viewing picture is way out of the frame of OBS. Right click image window of OBS, select **Resize output(source size)**, and you will get the whole picture.

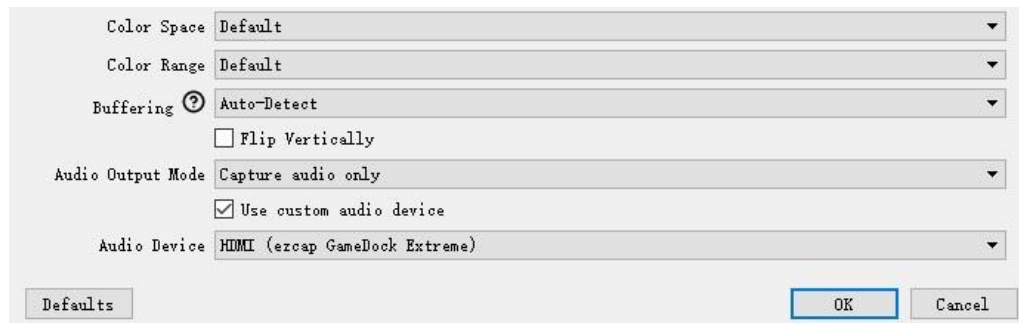
You can click **FPS** to select the appropriate FPS - **30,60,Highest FPS**, or **Match Output FPS**, and click **Video Format** to select **RGB24, NV12,YUY2, I420, P010**, or **MJPEG**.

The video format options depend on resolution, the max FPS depends on both resolution and video format. Please refer to the **Specifications** part for the corresponding relationship.

Audio Setting

Please tick **Use custom audio device**, and click **Audio Device** and select **HDMI**

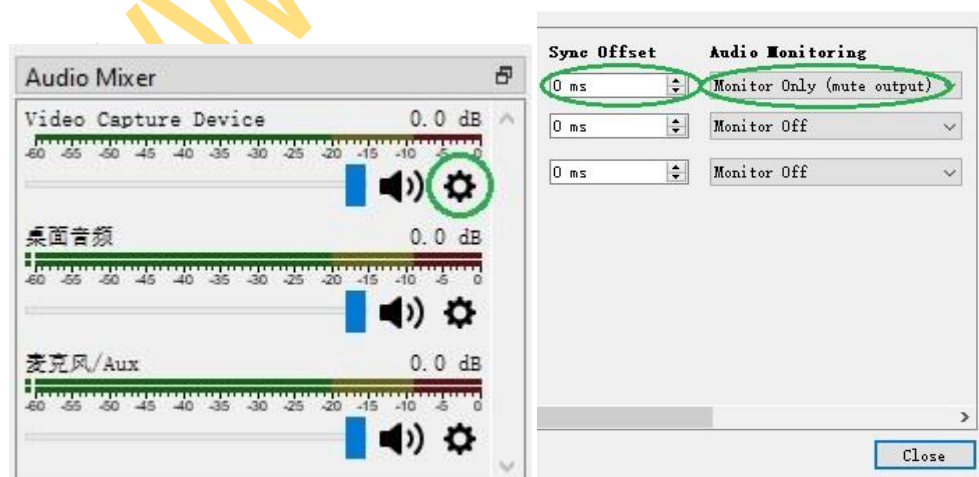
(ezcapGameDock Extreme), you will hear the sound now.



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)** (mute output).

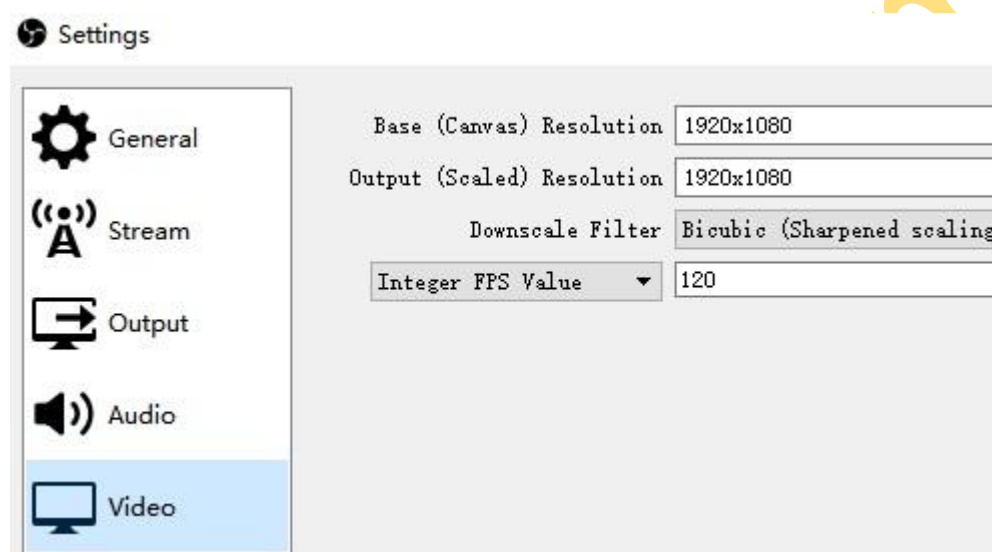
You still cannot get the sound after above setting, please click **Audio Output Mode** to select **Output desktop audio (WaveOut)**. You should get the sound.

Please set to **- 470ms** under **Sync offset**, for audio and video sync, you can adjust it till your audio video is synchronous.



Recording

Click **Settings** of OBS panel, and click **Video**. Click **Base (canvas) Resolution** to select the appropriate resolution, and click **Output (Scaled) Resolution** to select the output resolution. Click **Common FPS Values** to select the FPS values. If you want to record 120Hz video, please click **Common FPS Values** and select **Integer FPS Values**, then enter **120** in the window on the right.



After setting, click **Apply** and **Ok**, then simply click **Start Recording** to start recording video, 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**. Click **Stream**, then you can click **Service** to choose the software platform you want, then click icon **Apply** and **OK**.

Click **Start Streaming** to start streaming, and click **Stop Streaming** to stop streaming.

Note: Please click the **help** at the top of the OBS, and learn more about OBS.

Specifications

Interface: USB 3.2 (Gen 1) Type-C (plug and play, UVC)

Video Input / Output (Pass-Through): HDMI ® 2.0 enabled

Audio Input: HDMI 2.0, 3.5mm Line In (TRS 3-pole), 3.5mm headset microphone input (CTIA 4-pole)

Audio Output (Pass-Through): HDMI 2.0, 3.5mm headset earphone output (CTIA 4-pole)

Max. HDR Pass-Through Resolution: 2160p60 HDR, 1440p144/120, 1080p240

Max. VRR Pass-Through Resolution: 3840x 2160 - VRR(48-60 Hz), 1920 x 1080 - VRR(48-120 Hz). (**Note:** YCbCr420 VRR is not supported. Such as XBOX X1, please tick

Allow YCC 4:2:2 settings to allow VRR)

Max Record Resolution:

3840 x 2160 - 60fps/MJPEG, 30fps/NV12/I420.

2560 x 1440 - 144fps/MJPEG, 60fps/NV12/I420, 50fps/YUY2

2560 x 1080 - 60fps/NV12/I420/YUY2/MJPEG.

1920 x 1080 - 240fps/MJPEG, 120fps/NV12/I420, 60fps/YUY2/RGB24/P10

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

Dimensions (W x D x H): 151 x 121 x 22 mm

* 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)UVC Portx1

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.

macOS 11 / 12, USB 3.2 (Gen 1)UVC Port x1

Apple M1 or Intel i7 quad-core or above, Radeon Pro 555 with 2 GB of VRAM, 16 GB of 2400 MHz DDR4 memory.

ezcap

高清游戏采集卡

说明书



型号: ezcap360

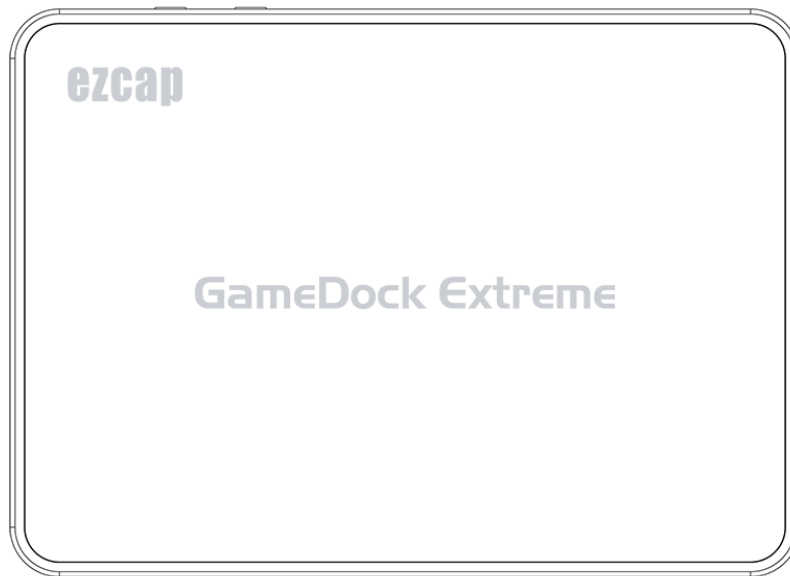
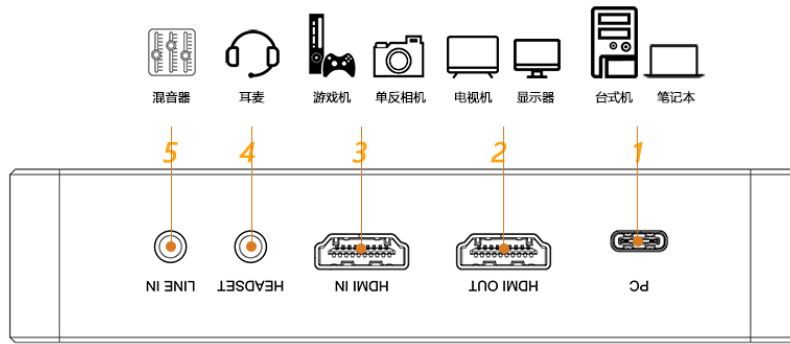
感谢您购买 ezcap360 GameDock Extreme 高清游戏采集卡。 请在使用前阅读本手册并将其保存在安全的地方以备将来参考。您可以使用该设备：采集和直播 HDMI 超清视频，最高达 2160p60，并可以耳麦输入和线路音频输入混音，。

概览

包装内容

ezcap360 GameDock Extreme 高清游戏采集卡 x1, USB-C 转 A 数据线, 说明书 x1

产品概览及连接



1. **PC:** 连接电脑 USB 接口
2. **HDMI OUT:** HDMI 输出接口, 连接到电视机
3. **HDMI IN:** HDMI 输入接口, 连接到游戏机或别的视频源。支持 HDR 及 VRR 输入。支持 LPCM 5.1 及 7.1 声道音频环出。
4. **HEADSET:** 耳麦接口, 同时麦克风输入和耳机输出(支持 CTIA 标准)
5. **LINE IN:** 连接混音器, 可将音频与视频进行混音

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6. **状态指示灯**: 设备通电 -红色渐变。连接 HDMI 信号源 -蓝色渐变。打开软件设备运行 - 彩色缓慢闪烁。

软件

我们推荐免费的专业的直播及录制软件 OBS, 下载地址: <https://obsproject.com/>

开始使用

设备选择

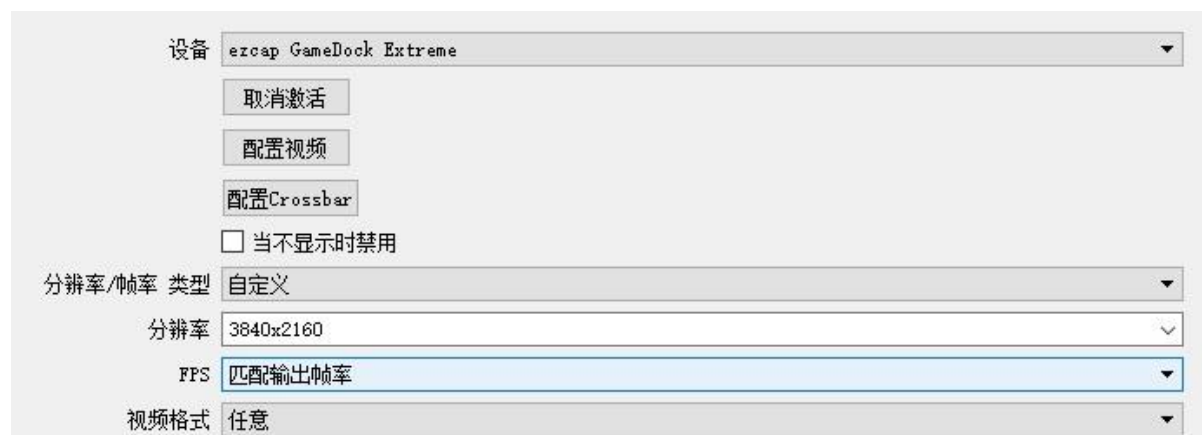
下载并安装后, 双击桌面上的 OBS Studio 图标。单击 OBS 面板左下角的图标+, 然后选择**视频采集设备**。在弹出的窗口中单击**确定**, 在弹出的窗口中单击**设备**旁边的下拉框, 然后选择 **ezcapGameDock Extreme**。



视频设置

设置完成后应该可以看到视频。如果不能, 并且在窗口上看到 **Check Resolutions Settings**,

则需要设置视频分辨率。单击**分辨率/ FPS 类型**，然后选择**自定义**，然后单击**分辨率**，选择一种与你的视频源分辨率相同或更小的分辨率。



设备: ezcap GameDock Extreme

取消激活

配置视频

配置Crossbar

☐ 当不显示时禁用

分辨率/帧率 类型: 自定义

分辨率: 3840x2160

FPS: 匹配输出帧率

视频格式: 任意

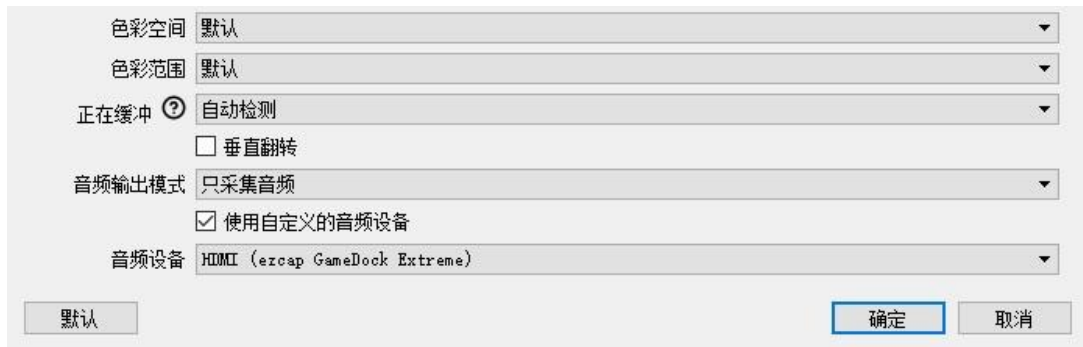
若您的视频源分辨率为 3840 x 2160, 且将 OBS 分辨率也设置为 3840x2160, 你还可能会发现画面超出了 OBS 画框的范围。此时可右击软件窗口, 选择**调整输出大小 (到源大小)**, 则可将画面刚好填满画框。

您可以点击 **FPS** 以选择适当的帧率— **30, 60, 最高** 或 **匹配输出帧率**。还可点击**视频格式**选择适当的视频格式 – **NV12, I420, YUY2, RGB24, MJPG**, 或**任意**。

设备输出视频格式取决于分辨率, 不同分辨率下不同视频格式的最高可达帧率 (FPS) 可能并不相同, 具体对应关系请参考**产品规格**部分。

音频设置

请勾选**使用自定义的音频设备**, 然后单击**音频设备**, 选择 **HDMI (ezcapGameDock Extreme)**, 你应该能立即听到声音。单击**确定**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）**。



为了音视频同步,请在上述弹出的窗口中的**同步偏移**下方填写- **470ms**.你可依据实际情况调整数值,直至音视频完全同步。最后单击**关闭**完成设置。

如果无法完成上述音频设置听到声音，还可以点击上面图片中**音频输出模式**，选择**输出桌面音频 (WaveOut)**，这样就可以听到声音了。

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）**

分辨率选择适当的分辨率,单击**常用 FPS 值（帧率）**选择 FPS 值。如果要录制 120HZ 视频，请

单击**常用 FPS 值 (帧率)** 本身的下拉框, 选择**整数 FPS 值 (帧率)**, 然后在右侧栏框处输入 **120**。

在设置完成后, 单击**设置**界面右下角的**应用**和**确定**按键以保存设置。



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**开始录制**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**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, 点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**开始直播, 点击**停止推流**停止本次推流。

注: 您可以单击软件界面顶部的**帮助**菜单了解更多 OBS 的操作和方法。

产品规格

接口: USB 3.2 (Gen 1) Type-C (即插即用, UVC)

视频输入/输出 (环出): HDMI® 2.0 enabled

音频输入: HDMI2.0, 3.5mm 线路输入 (3 极 TRS), 3.5mm 耳麦输入 (4 极 CTIA)

音频输出 (环出): HDMI2.0, 3.5mm 耳麦输出 (4 极 CTIA)

最高 HDR 环出分辨率: 2160p60, 1440p144/120, 1080p240

最高 VRR 环出分辨率: 3840x 2160 - VRR(48-60 Hz), 1920 x 1080 - VRR(48-120 Hz)。(注:

不支持 YCbCr420 格式 VRR 输入。比如 XBOX X1, 请勾选**允许 YCC 4:2:2** 以获取 VRR 功能。)

最高录制分辨率:

3840 x 2160 - 60fps/MJPEG, 30fps/NV12/I420

2560 x 1440 - 144fps/MJPEG, 60fps/NV12/I420, 50fps/YUY2

2560 x 1080 - 60fps/NV12/I420/YUY2/MJPEG

1920 x 1080 - 240fps/MJPEG, 120fps/NV12/I420, 60fps/YUY2/RGB24/P10

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

尺寸 (长 x 宽 x 高): 151 x 121 x 22 mm

* 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。

电脑系统需求

Windows 10 x64 / 11 x64, USB 3.2 (Gen 1)UVC 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。

macOS 11 / 12, USB 3.2 (Gen 1)UVC 接口 x1

Apple M1 或 Intel i7 quad-core 或更佳, Radeon Pro 555 (2 GB VRAM), 16 GB 2400 MHz

DDR4 内存。

www.ezcap.com