



TC-UB200 Pro

4K视频采集直播盒

说明书



在使用本产品前，请详细阅读本说明书

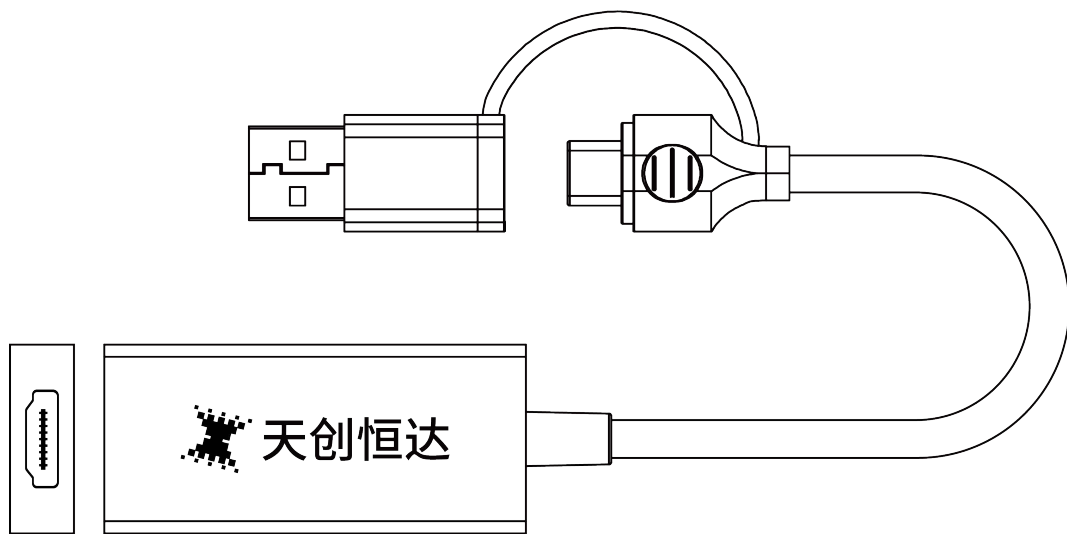
感谢您购买 TC-UB200 Pro 4K视频采集直播盒。 请在使用前阅读本手册并将其保存在安全的地方以备将来参考。您可以使用该设备：采集和直播 HDMI 高清视频，录制分辨率可达 3840 x 2160p18, 2560 x 1440p30, 1920 x 1080p60并向下兼容。

概览

包装内容

TC-UB200 Pro 4K视频采集直播盒 x1, 说明书 x1,保修卡 x1, 合格证 x1;

产品概览及连接



1. **PC**– 连接电脑 USB3.0 接口
2. **HDMI IN** – HDMI 输入，用 HDMI 线连接视频源。

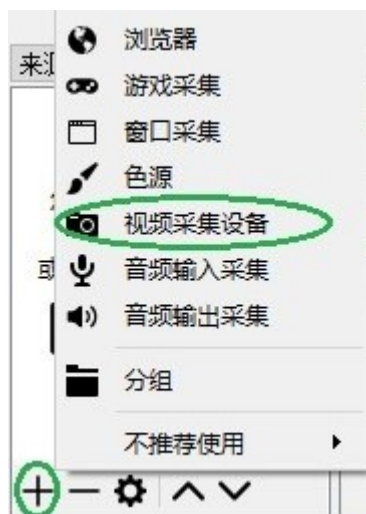
软件

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**TC-UB200 Pro**。



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。

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

音频设置

请点击**音频输出模式**，选择**输出桌面音频 (WaveOut)**，勾选**使用自定义的音频设备**，然后单击**音频设备**，选择 **数字音频接口 (TC-UB200 Pro)**，你应该能立即听到声音。单击**确定**完成设置。

为了音视频同步,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**，你可以根据实际需要自行调整直至音视频同步为止。

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。

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-A / Type-C （即插即用，UVC）

最高视频输入：HDMI 1.4, 4K60 8bit SDR, YUV420/YCbCr420。

音频输入：HDMI

最高录制分辨率：YUY2/MJPEG – 3840 x 2160p18, 2560 x 1440p30, 1920 x 1080p60, 1360 x 768p60, 1280 x 1024p60, 1280 x 960p60, 1280 x 720p60, 1024 x 768p60, 800 x 600p60, 720 x 576p60, 720 x 480p60, 640 x 480p60

尺寸 (长 x 宽 x 高)：52 x 25 x 11 mm （不包括线材）

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。

TCHD Video

TC-UB200 Pro 4K Video Capture Box manual



Before using this product, please read this manual carefully

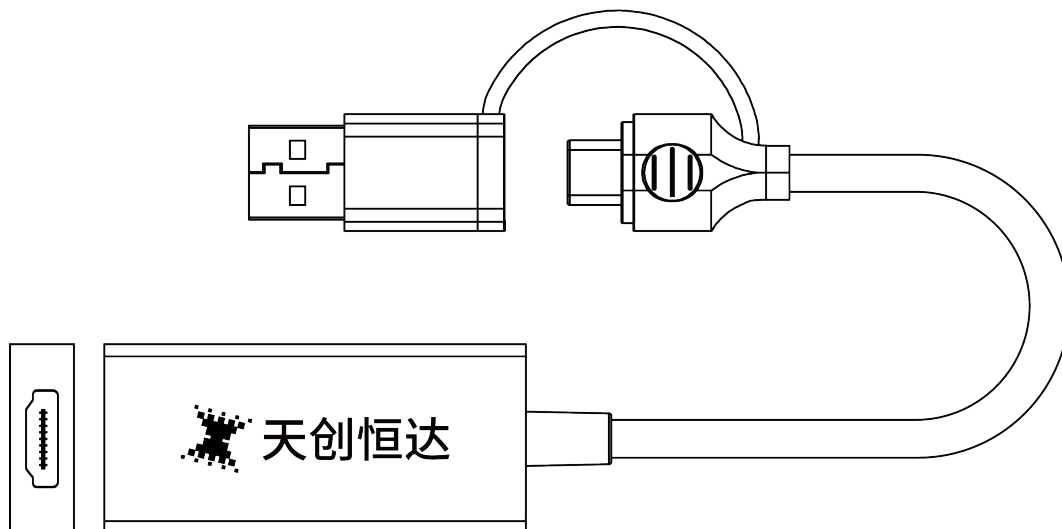
Thanks for purchasing TC-UB200 Pro 4K video capture card. Please read this manual before use and keep it in a safe place for future reference. You can use this device: Capture and stream HDMI video , The recording resolution can reach 3840x2160p18, 2560 x 1440p30, 1920 x 1080p60 and is backward compatible.

Overview

In the Box

TC-UB200 Pro 4K Video Capture Box x1, Manual x1, Warranty card x1, certificate of conformity x1;

Product Overview and Connections



1. **PC**– To connect to computer USB port
2. **HDMI Input** - Connect to video source with HDMI cable

Software

For professional live streaming or recording, we suggest use OBS, download

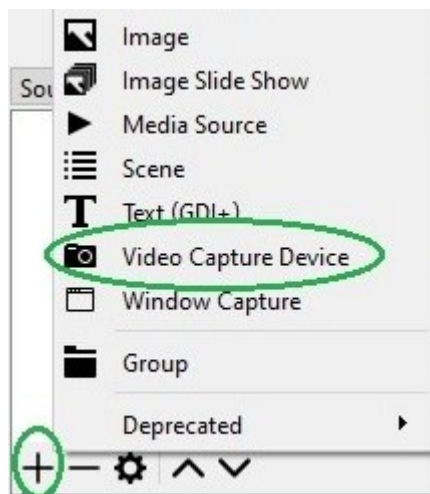
link:<https://obsproject.com/>

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

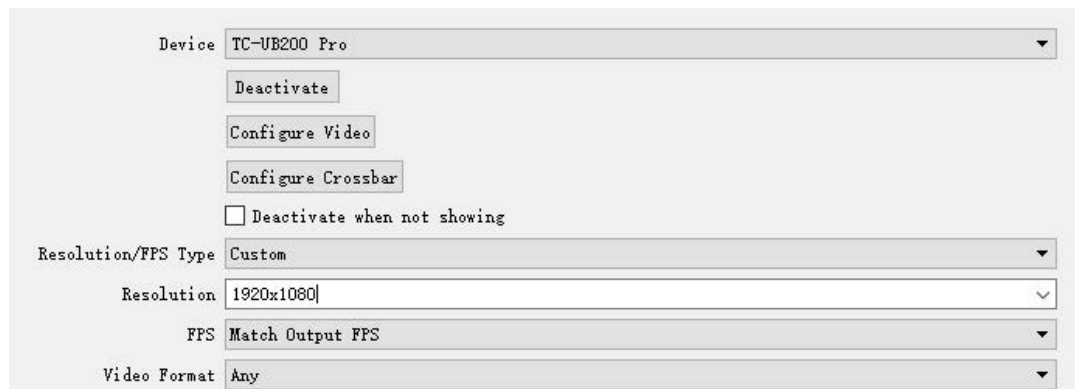
click **Device** and select **TC-UB200 Pro**.



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

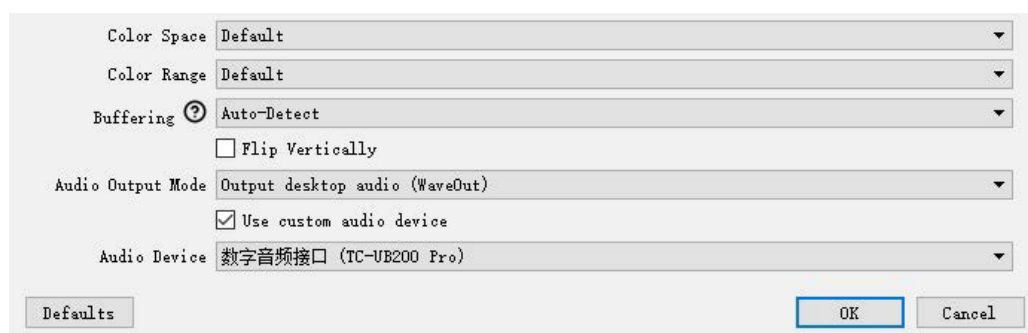
resolution of your video source.



You can click **FPS** to select the appropriate frame rate, and click **Video Format** to select video format.

Audio Setting

Please click **Audio Output Mode** to select **Output desktop audio (WaveOut)**, and tick **Use custom audio device**, and click **Audio Device** and select **数字音频接口 (TC-UB200 Pro)**, you will hear the sound now.



Set the video latency for make the audio and video synchronized. Right click **Video**

Capture Device then click **Filters**. Click to add **Video Delay (Async)**, and set 470ms. You can adjust it until the audio and video are synchronized.



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.

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 (adjustments depends on 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-A / Type-C (plug and play, UVC)

Max Video Input: HDMI 1.4, 4K60 8bit SDR, YUV420/YCbCr420.

Audio Input: HDMI

Max Record Resolution: YUY2/MJPG – 3840 x 2160p18, 2560 x 1440p30, 1920 x

1080p60, 1360 x 768p60, 1280 x 1024p60, 1280 x 960p60, 1280 x 720p60, 1024 x

768p60, 800 x 600p60, 720 x 576p60, 720 x 480p60, 640 x 480p60

Dimensions (W x D x H): 52 x 25 x 11 mm (cable is not included)

Operating System

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

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.

天创恒达数字视频技术开发（北京）有限公司

地 址：北京市海淀区连桥二街绿地中央广场9号院1号楼4层
技术支持：010-62962771 400-800-1605