



User Manual

4K60 to FHD Capture Card with Audio IO and Loop Out

PT-C-HDBUSB

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What's included



Q.1 HDMI to USB3.0 + HDMI Loop Out
Video Capture Card



Q.1 USB-A to USB-A 3.0 Data Cable

Introduction

Capture and stream your content effortlessly with the 4K60 to FHD Capture Card with Audio IO and Loop Out, designed for smooth, high-resolution recording and live broadcasting. With simple plug-and-play connectivity, you can quickly capture video to OBS, Broadcaster, VLC, and other popular software without complex setup.

The capture card features HDMI loop-out for confidence monitoring of your input, stereo audio output for local monitoring, and a dedicated microphone input, making it ideal for podcasting, streaming, or recording gameplay and presentations. Video is captured at 4K60 and scaled to FHD for reliable, high-quality results.

Compact, intuitive, and ready to use out of the box, the 4K60 to FHD Capture Card keeps your workflow streamlined and professional, giving you complete control over both video and audio for any production or live stream.

Standards & Compliance



Features

- Capture 4K60 Video to Your Computer
- Monitor Your Input with HDMI Loop Out
- Add a Microphone for Streaming or Recording
- Listen with Built-In Headphone Output
- Compatible with All Popular Capture Software
- Compact, Plug-and-Play, no driver installation
- Compatible with Windows, Linux, OS X operating systems.
- Compatible with USB 3.0 and USB 2.0

Specifications

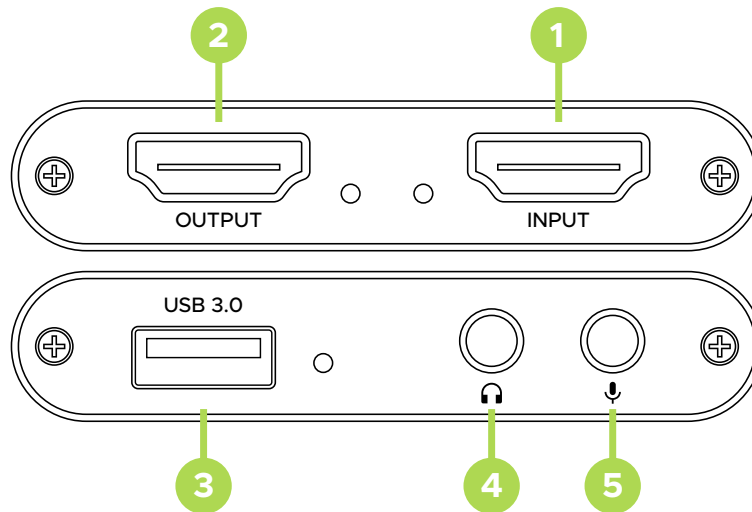
Standards & Compliance	
Signal Standards	USB 3.0, HDMI 1.4, HDMI 1.3
Regulatory Certifications	CE, FCC, RoHS
Connector Types	
HDMI Inputs	1 × HDMI IN (Type A, 19-pin female)
HDMI Outputs	1 × HDMI OUT (Type A, 19-pin female)
USB Output	USB-A
Audio Inputs	Analog (L/R TRS, 3.5mm jack)
Audio Outputs	Analog (L/R TRS, 3.5mm jack)
Performance	
Max Video Resolution	4K60 (4:4:4)
Video Bandwidth	18 Gbps
Color Space	RGB, YUV, YPbPr, YCbCr
Color Depth	8-bit, 10-bit, 12-bit
Dynamic Metadata Support	HDR10+, HDR10
MTBF	50,000 hours
HDMI Audio Format	Bitstream, Dolby, DTS, DSD, LPCM
ESD Protection	Human body model (+8kV)
Power	
Power Input	AC 100 - 240V 50/60Hz
Power Supply	DC 5V/2.5A
Power Consumption	4W (Max)
Environment	
Operating Temperature	34 to 122°F / 0 to 50°C
Storage Temperature	34 to 122°F / 0 to 50°C
Relative Humidity	5 to 90% RH (no condensation)
Enclosure	
Product Dimensions (W × D × H)	5.3 in × 2.3 in × 0.7 in (136mm × 60mm × 17mm)
Weight	0.15 lbs (70g)
Warranty	
Parts	1 year
Labor	1 year



Note: Specifications are subject to change without notice.

4K  **HDR10+** **USB-C** **HDMI**

Set-up and Operating Instructions

Panel Description



1. INPUT: HDMI Input port
2. OUTPUT: HDMI Output port
3. USB3.0: USB3.0 Video Capture Port to Connect to the PC or Laptop
4. : Connect to the 3.5mm Stereo Out Device
5. : Connect to the MIC In Device

Hardware connection

1. Connect the HDMI device via HDMI cable to the capture card, such as PC, game console, video camera. Etc.
2. Connect the USB 3.0 output port to the PC USB 3.0 port via a standard USB 3.0 USB-A male to male cable (recommend for best performance), power the product via the USB port at the same time.

Recommended computer configuration

CPU	
PC	i5-3400 or above
Notebook	i7-3537u 2.0GHz or above
Graphics Card (* Support DirectX 10)	
PC	NVIDIA GT630 or above
Notebook	NVIDIA GT 735M or above
Memory Card	
4G RAM or above	

Recording Setup

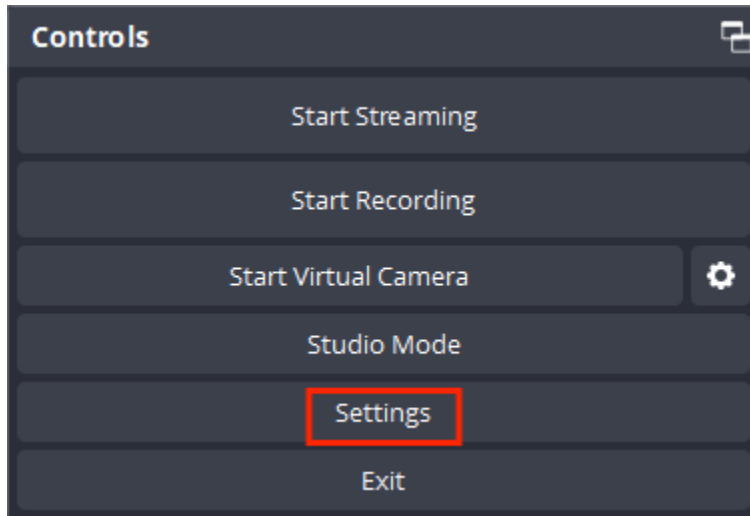
OBS Operation Example on Windows

Step 1: Install OBS

1. Download OBS from the official website: <https://obsproject.com/>
2. Run the installer and follow the prompts to complete the installation.

Step 2: Recording Setup

1. Click "Settings" in the lower right corner of "Controls"

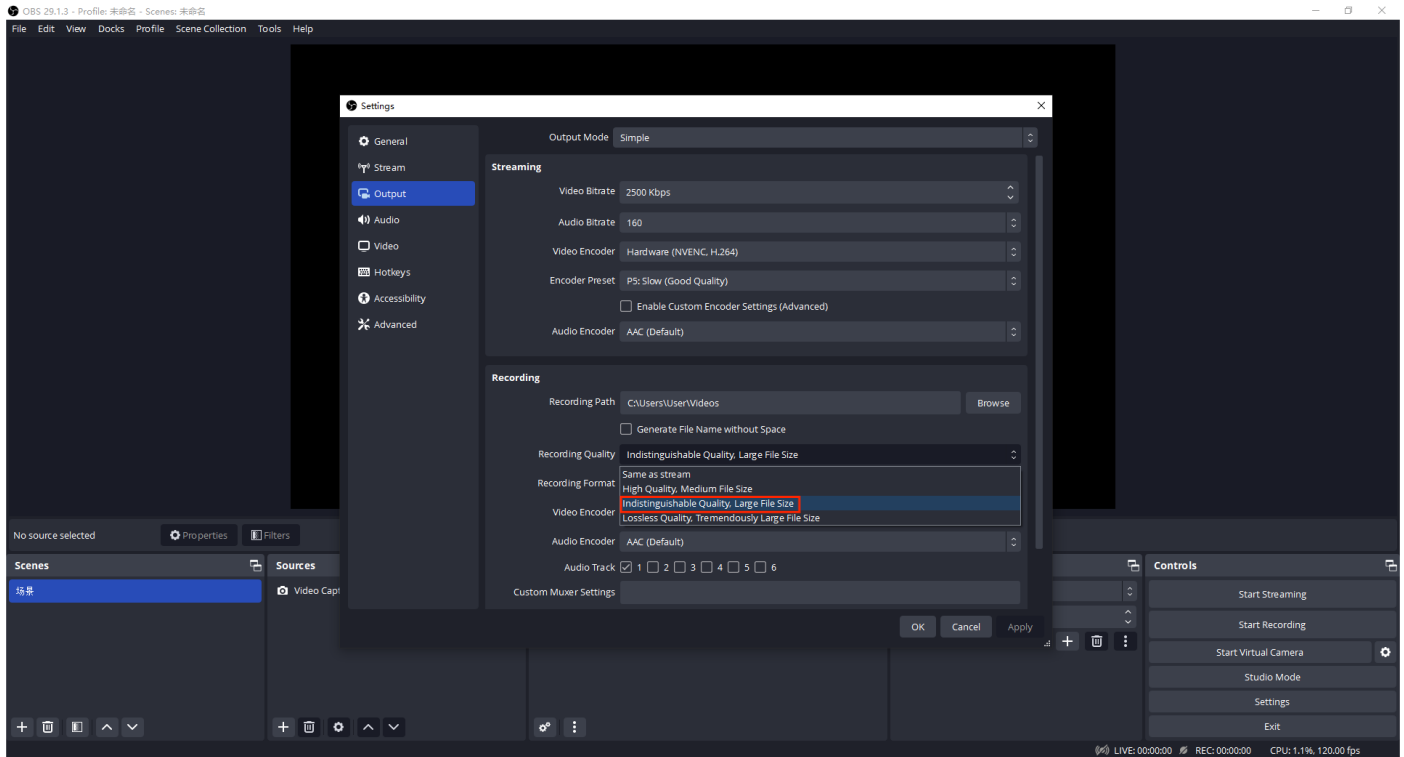


2. "Video" Setting



- a. Base (Canvas) Resolution: Select "1920x1080"
- b. Output (Scaled) Resolution: Select "1920x1080"
- c. Common FPS Values: Select "60"

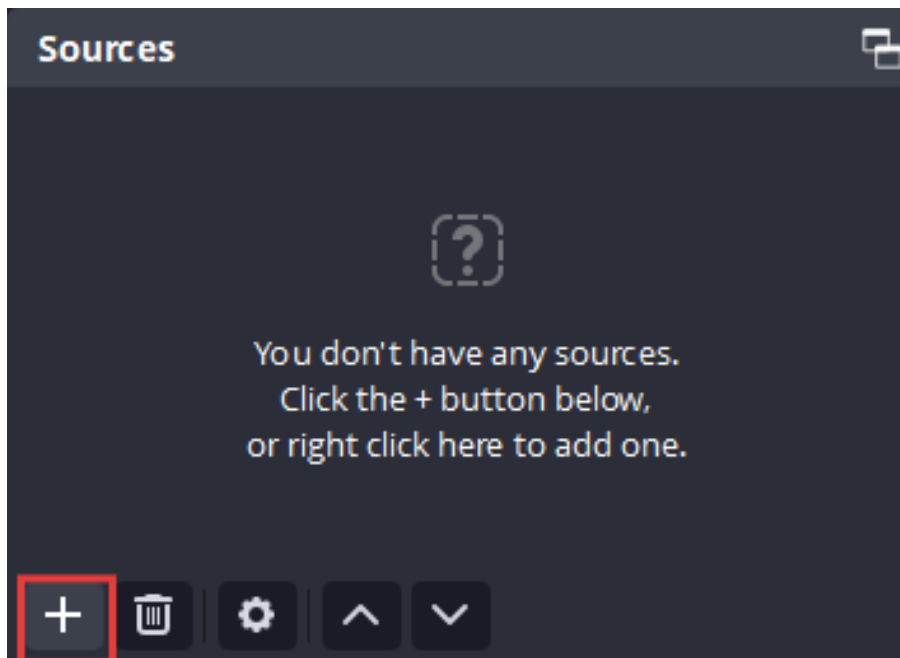
3. Adjust Recording Quality (Recommended) Recording Quality: Select "Indistinguishable Quality, Large File Size"



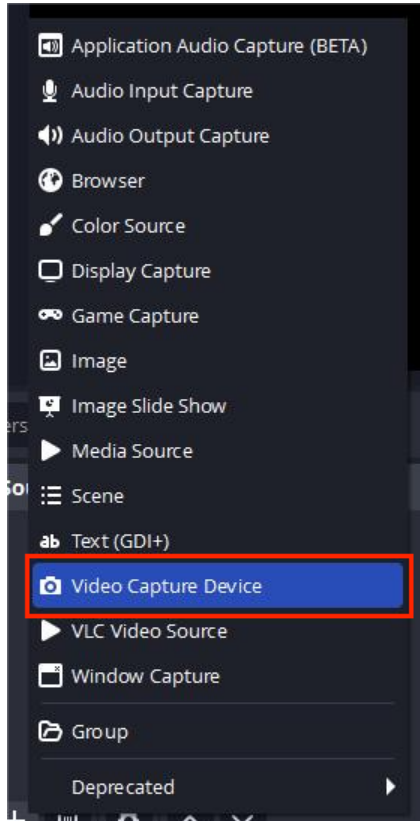
Step 3: Add Video & Audio Sources

Add Video Sources:

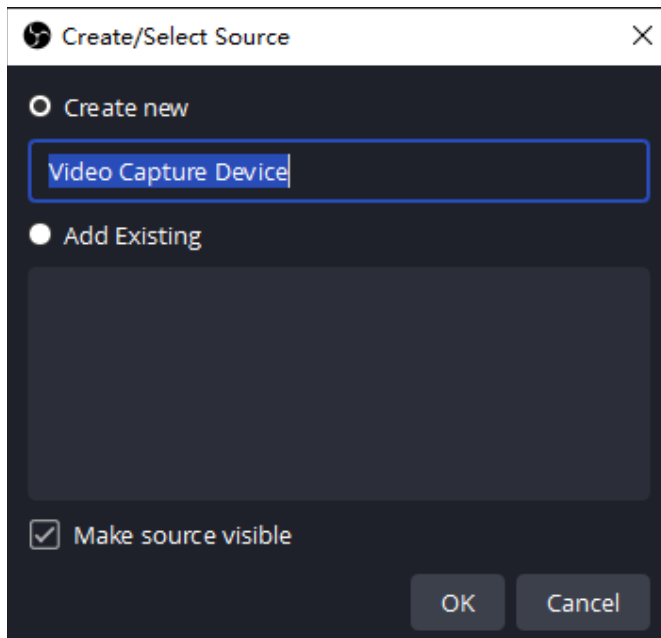
1. Click "+" in the lower left corner of "Sources"



2. Click "Video Capture Device"



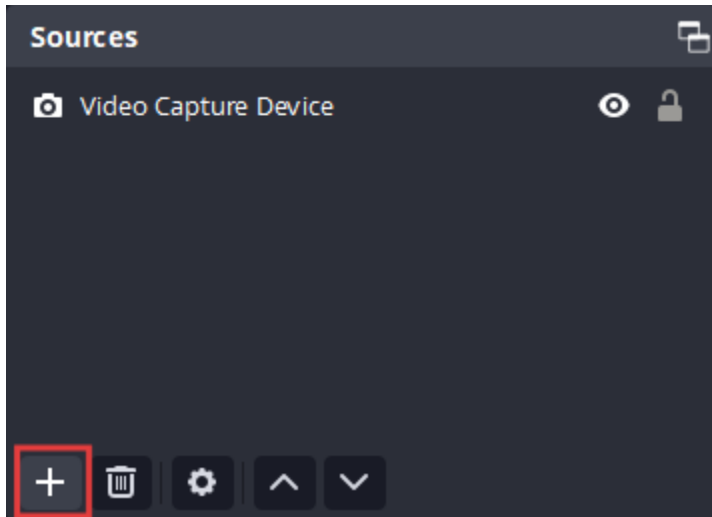
3. Create a new "Video Capture Device"



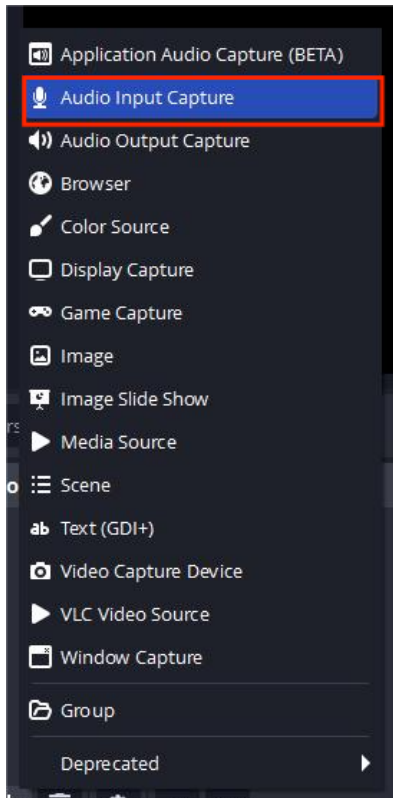
4. Device: Select "USB3 Video"
5. Resolution/FPS Type: "Custom"
6. Resolution: Select "1920×1080"
7. PFS: Select "60"
8. Video Format: Select "Any" (Options)

Add Audio Sources:

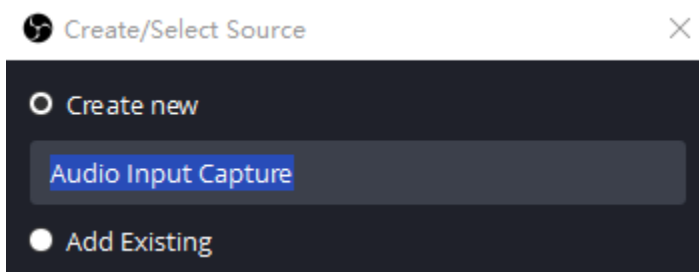
1. Click "+" in the lower left corner of "Sources"



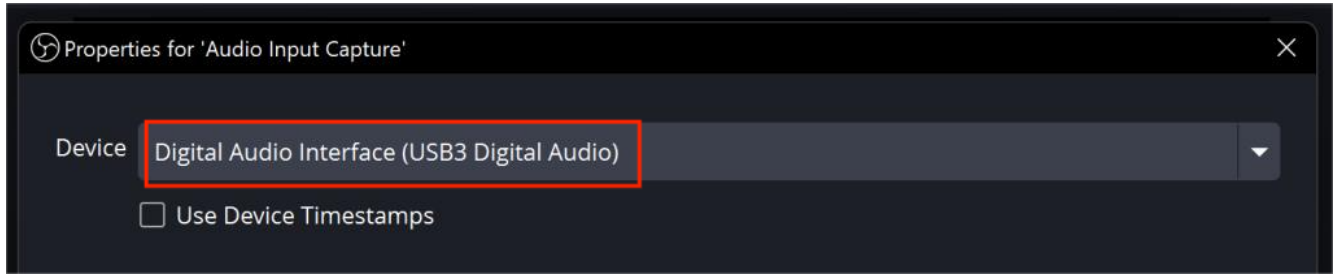
2. Click "Audio Input Capture"



3. Create a new Audio Input Capture Device



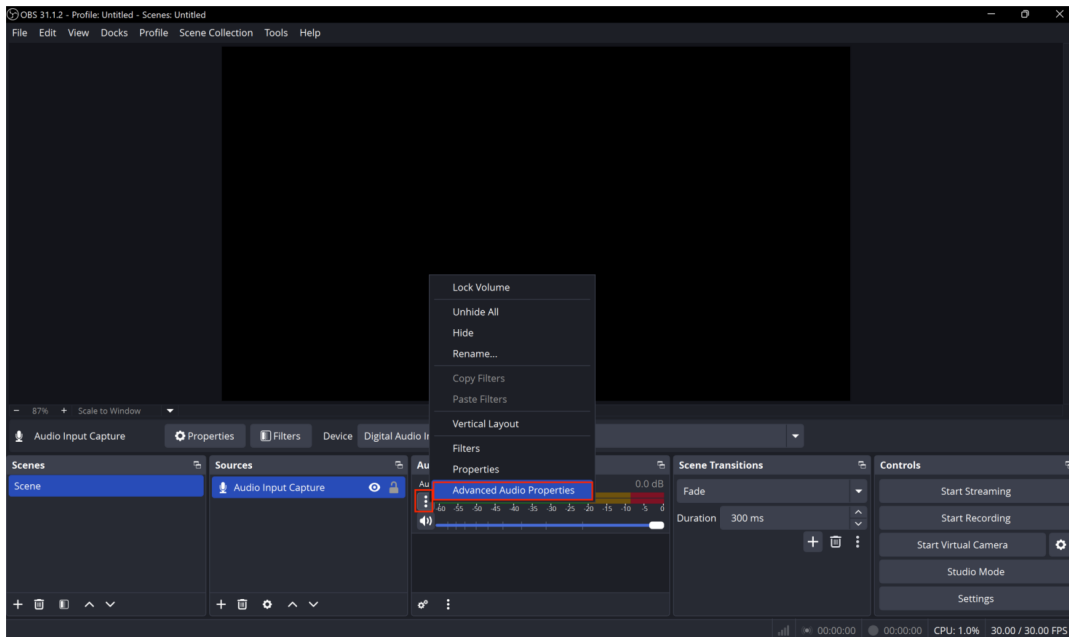
- Device: Select "USB3 Digital Audio"



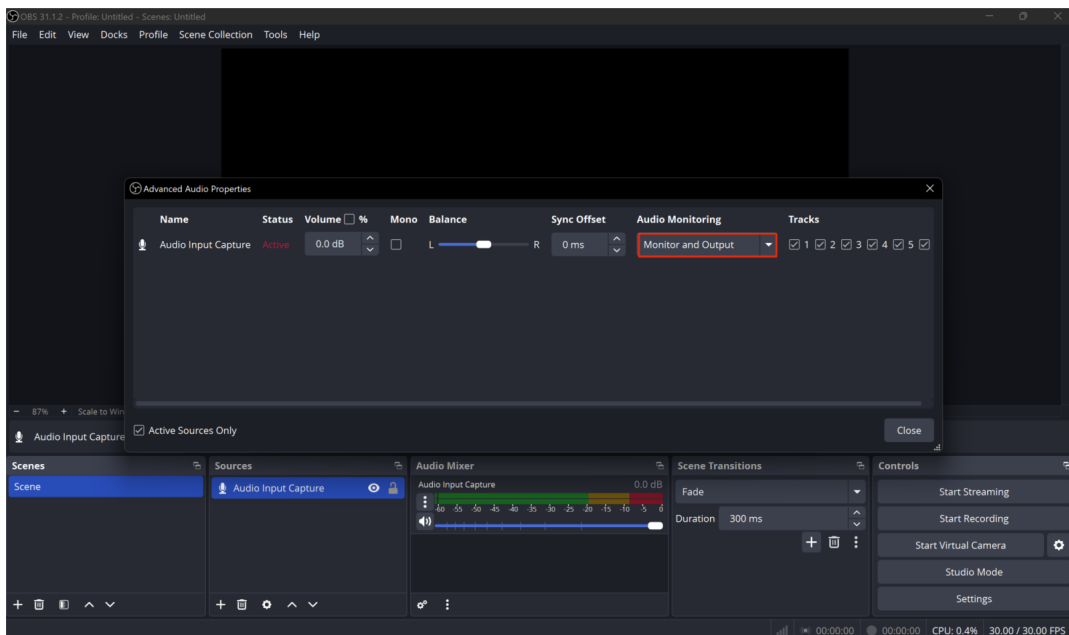
Step 4: Adjust Advanced Audio Properties (Options)

For monitoring the original audio source:

- Click the left Dot of Audio Input Capture, Select "Advanced Audio Properties"



- Audio Monitoring: Select "Monitor and Output"



Step 5: Start Recording/Streaming**Step 6: Play Back the Recorded Videos**

For the best compatibility, we recommend using  VLC Media Player to play back the recorded videos on your computer. VLC is free and supports a wide range of video formats.

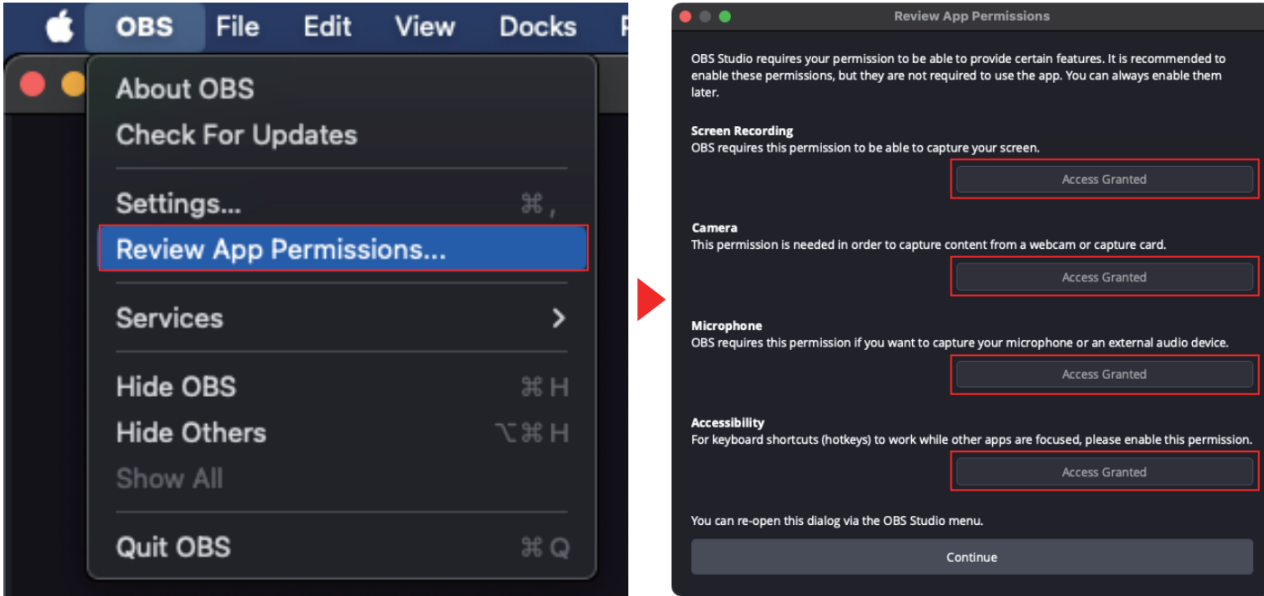
OBS Operation Example on macOS**Step 1: Install OBS**

1. Download OBS Studio from <https://obsproject.com>
2. Open the downloaded dmg file and drag OBS to your Applications folder



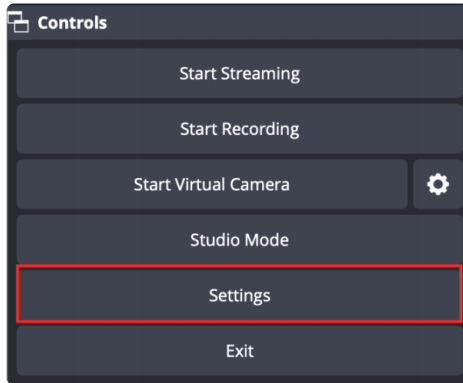
Step 2: Enable OBS Permissions

Follow system prompts to grant required access until “Access Granted” appears

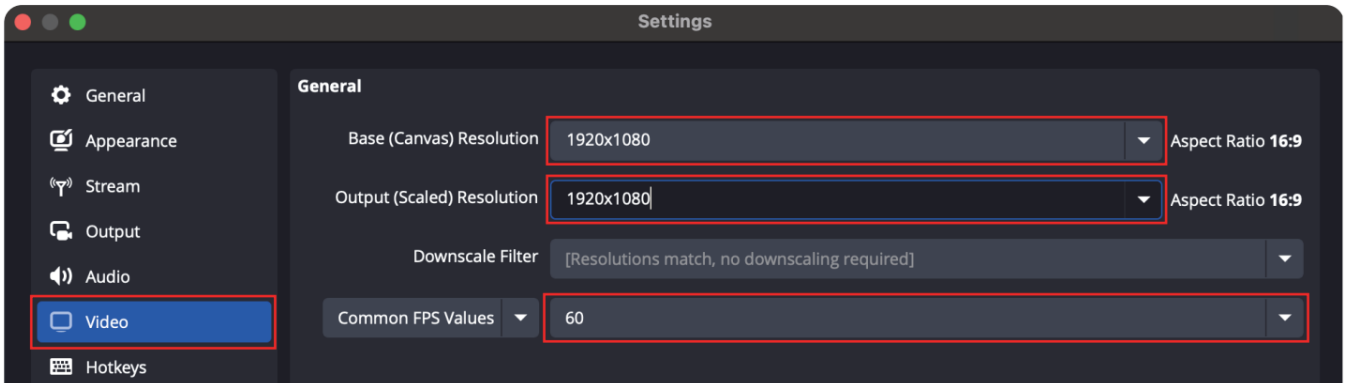


Step 3: Recording Setup

1. Click “Settings” in the lower right corner of "Controls"

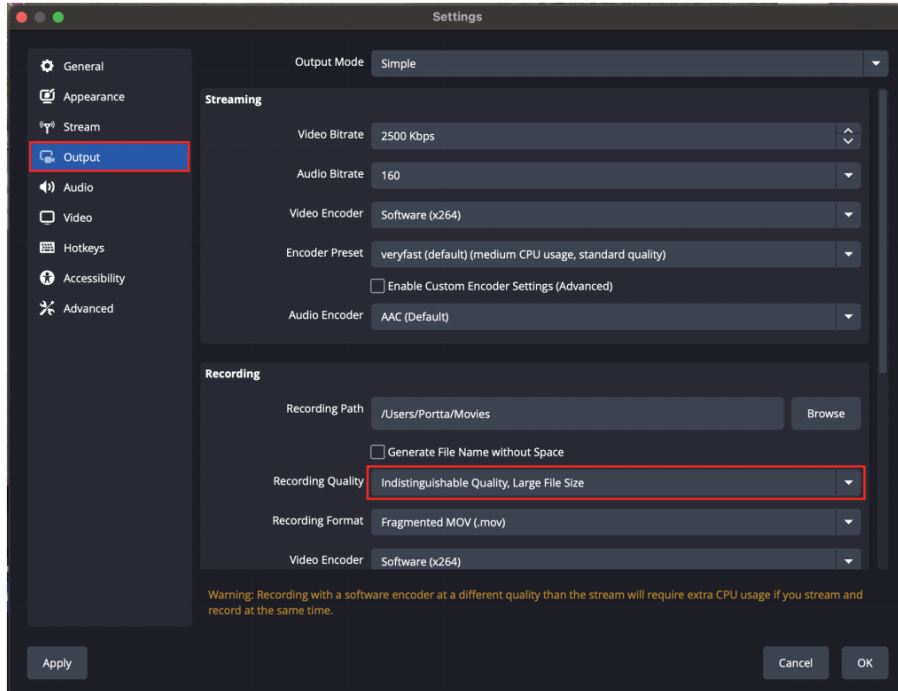


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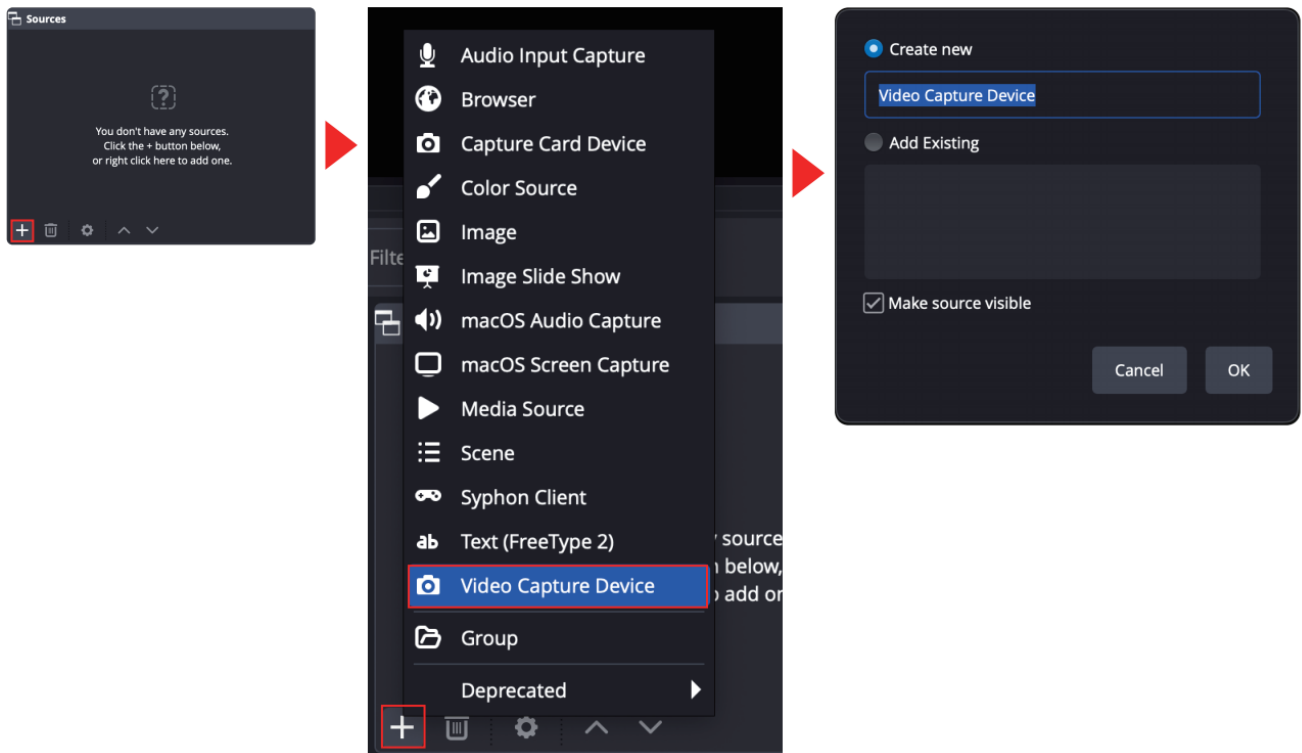
- Adjust Recording Quality (Recommended) Recording Quality: Select "Indistinguishable Quality, Large File Size"



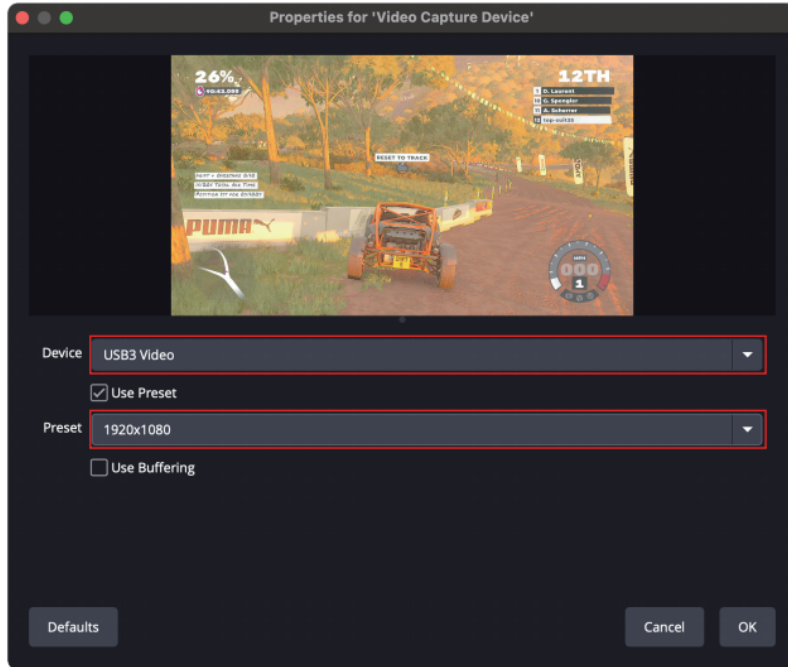
Step 4: Add Video & Audio Sources

Add Video Sources:

- Click "+" in the lower left corner of "Sources"
- Click "Video Capture Device"
- Create a new Video Capture Device

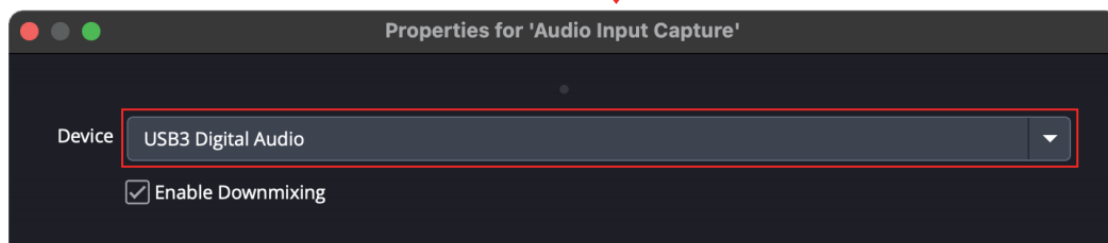
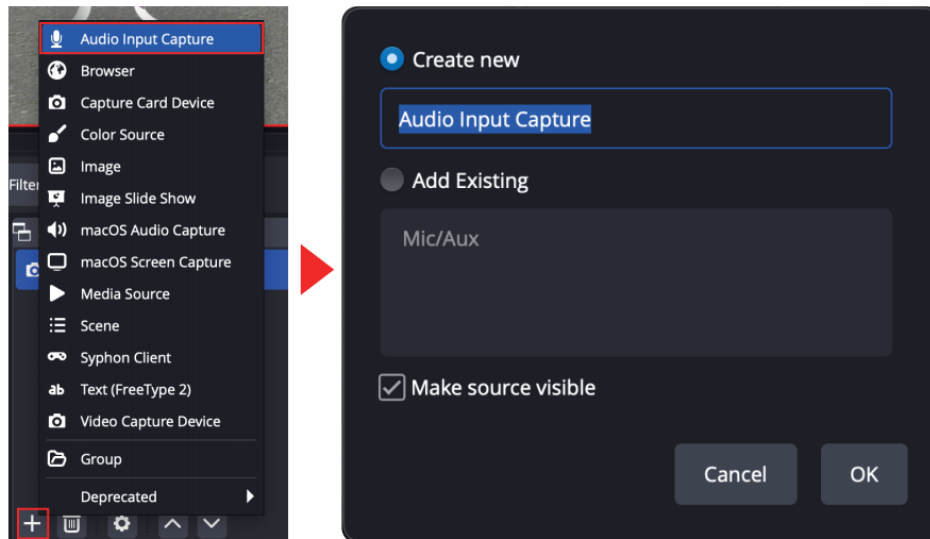


4. Device: Select "USB3 Video", Preset: Select "1920x1080" from the drop-down list



Add Audio Sources:

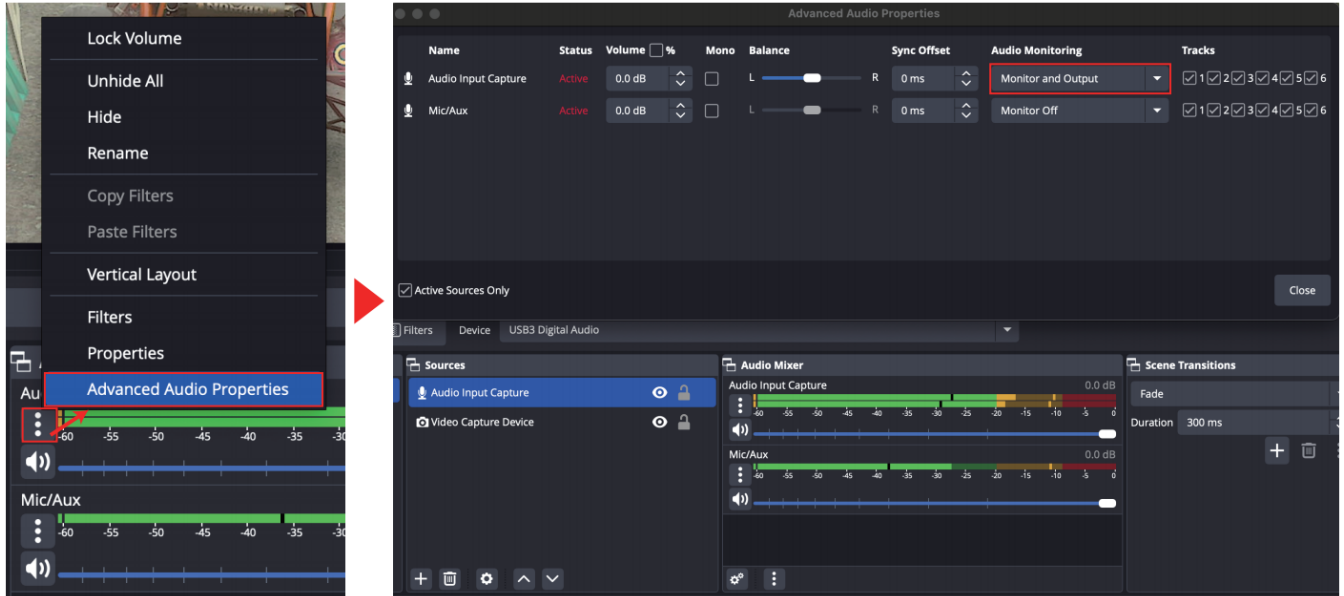
1. Click "+" in the lower left corner of Sources, click "Audio" Input Capture
2. Create a new Audio Input Capture Device
3. Device: Select "USB3 Digital Audio" from the drop-down list



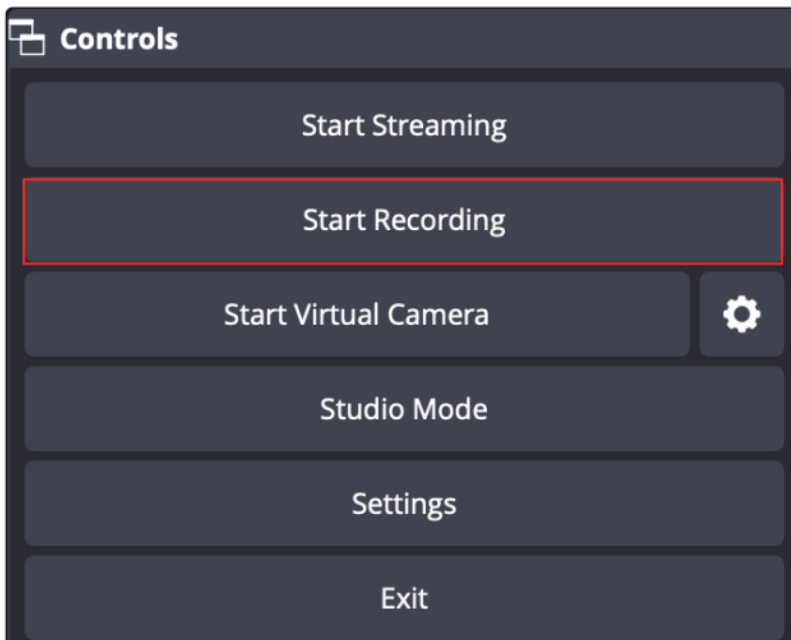
Step 5: Adjust Advanced Audio Properties (Options)

For monitoring the original audio source

1. Click the left Dot of Audio Input Capture, Select "Advanced Audio Properties"
2. Audio Monitoring: Select "Monitor and Output"



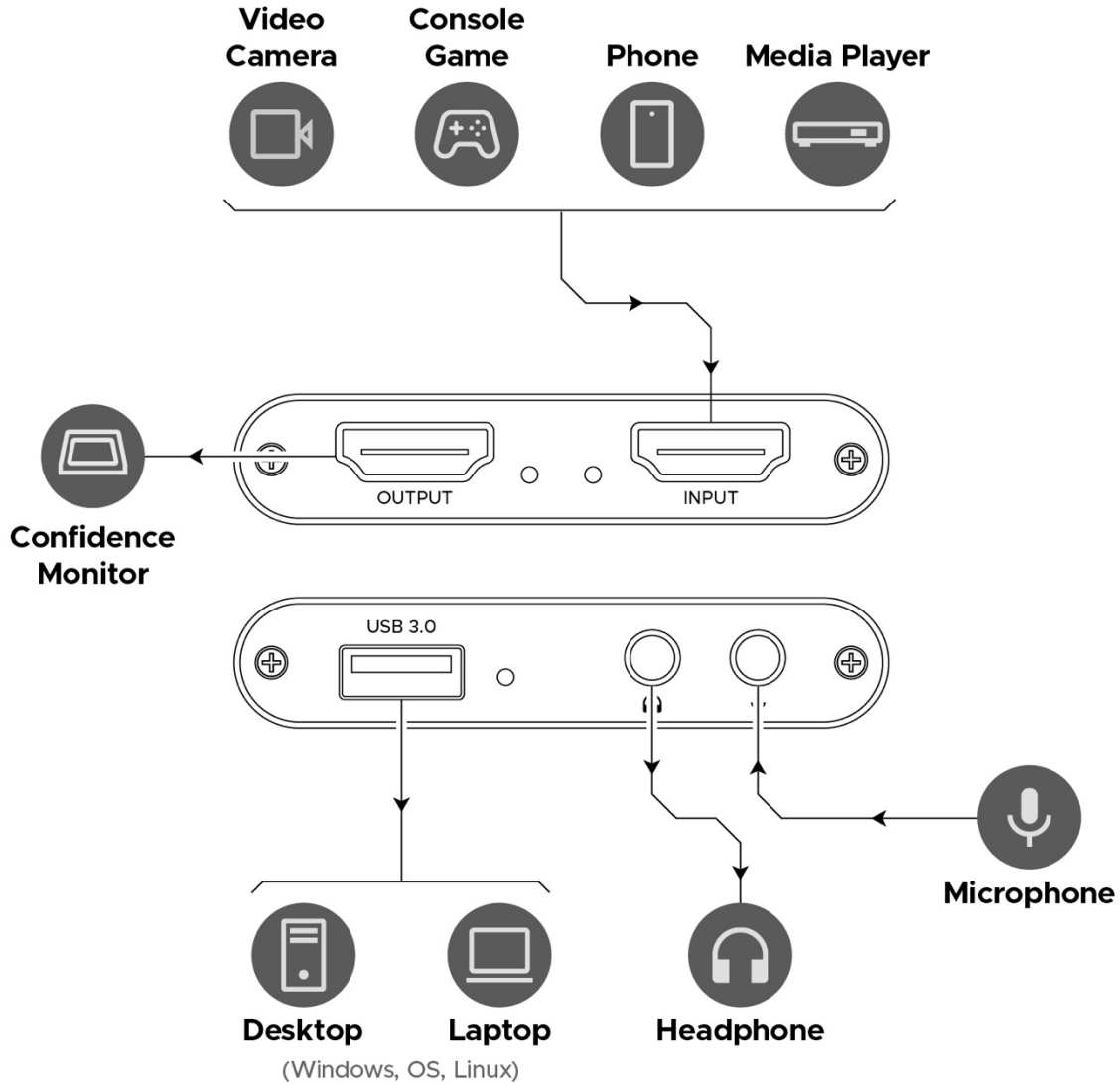
Step 6: Start Recording/Streaming



Step 7: Play Back the Recorded Videos

For the best compatibility, we recommend using  VLC Media Player to play back the recorded videos on your computer. VLC is free and supports a wide range of video formats.

Application Diagram



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

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