Techigher

User Guide

AV to USB & AV to HD
Capture & Converter 2-in-1

PACKING LIST

1 x Converter Card

1 x AV Cable

1 x User Manual

1 x 3-RCA Female to Female Jack Adapter

PRODUCT DESCRIPTION

- The adapter is a versatile USB capture+Convert device that allows you to capture analog audio and video signals through a USB interface while simultaneously displaying them through a HDMI interface
- .You can convert your old VHS, cassettes, videotapes, etc. into digital signals to save, edit, share them, or watch them directly from your TV and other display devices
- It is compatible with a wide range of devices, including VCRs, camcorders, Hi8, Gaming systems with analog signal and more. It supports both PAL and NTSC formats.

Important Note:

- This device converts and records from AV/RCA/Composite input to USB for Digital format or HDMI output for real-time direct viewing. It does not work in reverse.
- When it is used for acquisition or capture, it needs to be used in conjunction with the acquisition software, and when it is converted to HDMI for direct viewing, it needs to provide power
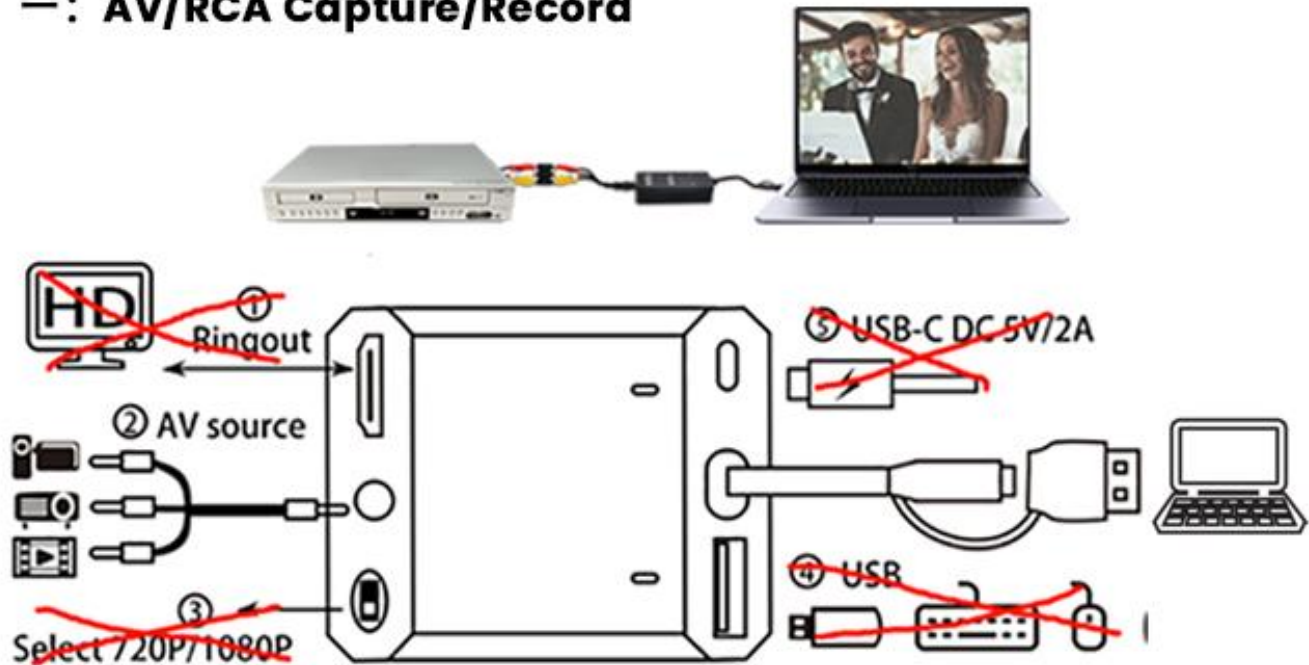
Features:

- **HDMI Output Resolution:**
  Up to 1920x1080P@60Hz.
- **Resolution Selection:**
  Easily switch between 1080P60 and 720P60 resolutions using the toggle switch.
- **USB Interface:** Supports USB 2.0 protocol,USBA and USBC two hardware interfaces for seamless connectivity.
- **Capture Format:** Supports MJPEG format with a maximum resolution of 1920x1080P@30Hz.
- **Compliance:** Meets UVC and UAC specifications.
- **Power Supply:** USB-C port for DC 5V/2A power supply.
- **Software Compatibility:** Works with popular software like VLC, OBS, AMCAP, PotPlayer, and more.
- **Compatibility:** Supports Windows 7/8/10/11, Mac OS X 10.9, Android, Linux, and later versions. Compatible with PS4, PS5, Xbox, Nintendo Switch,
- **CVBS (AV) Video Input:** Supports both NTSC and PAL formats.
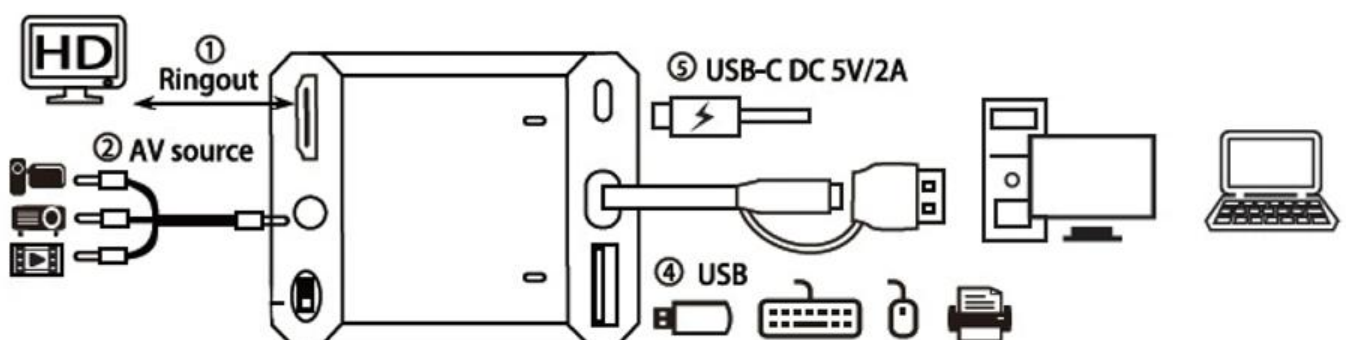
Product Connection diagram：

1. AV audio and video capture：

一：AV/RCA Capture/Record

HD
① Ringout
② AV source
③ Select 720P/1080P
⑤ USB-C DC 5V/2A
④ USB

2. AV capture tape loops out to the display

HD
① Ringout
② AV source
⑤ USB-C DC 5V/2A
④ USB

Quick Start Guide

(with OBS software)

Step 1: Install Capture Software

Before using the device, download and install

    free capture software such as OBS

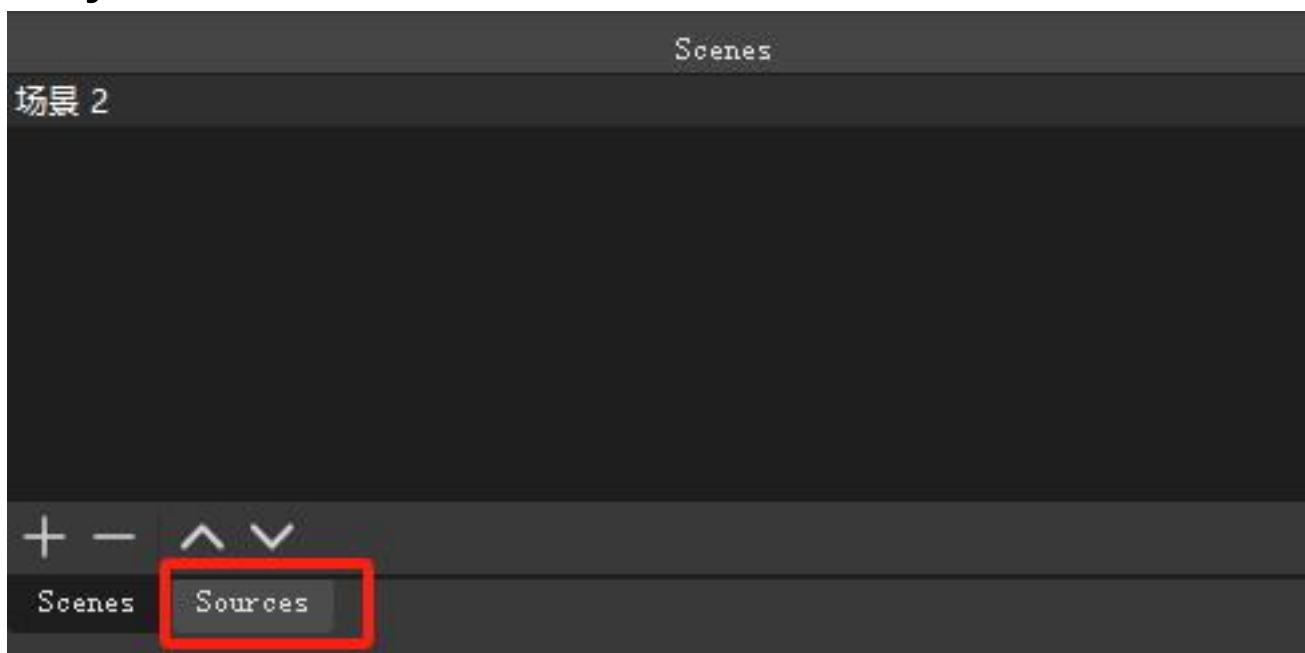   Studio or VLC from their official websites.

Step 2: Connect the Device

1:Connect your AV source (e.g., camera, VCR)

    to the converter card using the AV cable.

2:Plug the USB cable into your PC or Mac

(supports both USB-A and USB-C ports).
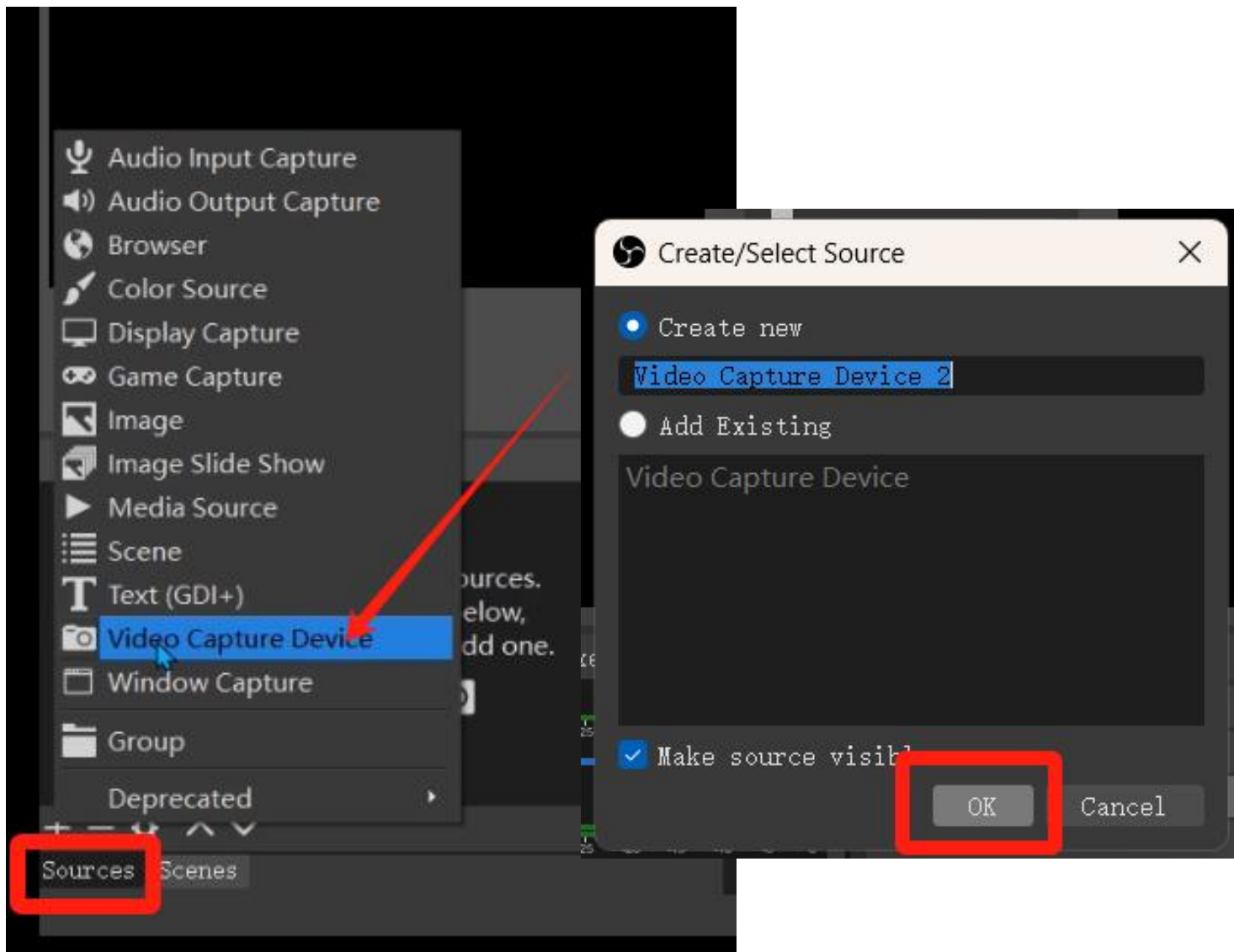
Step 3: Configure OBS Studio

1. Create a Scene:

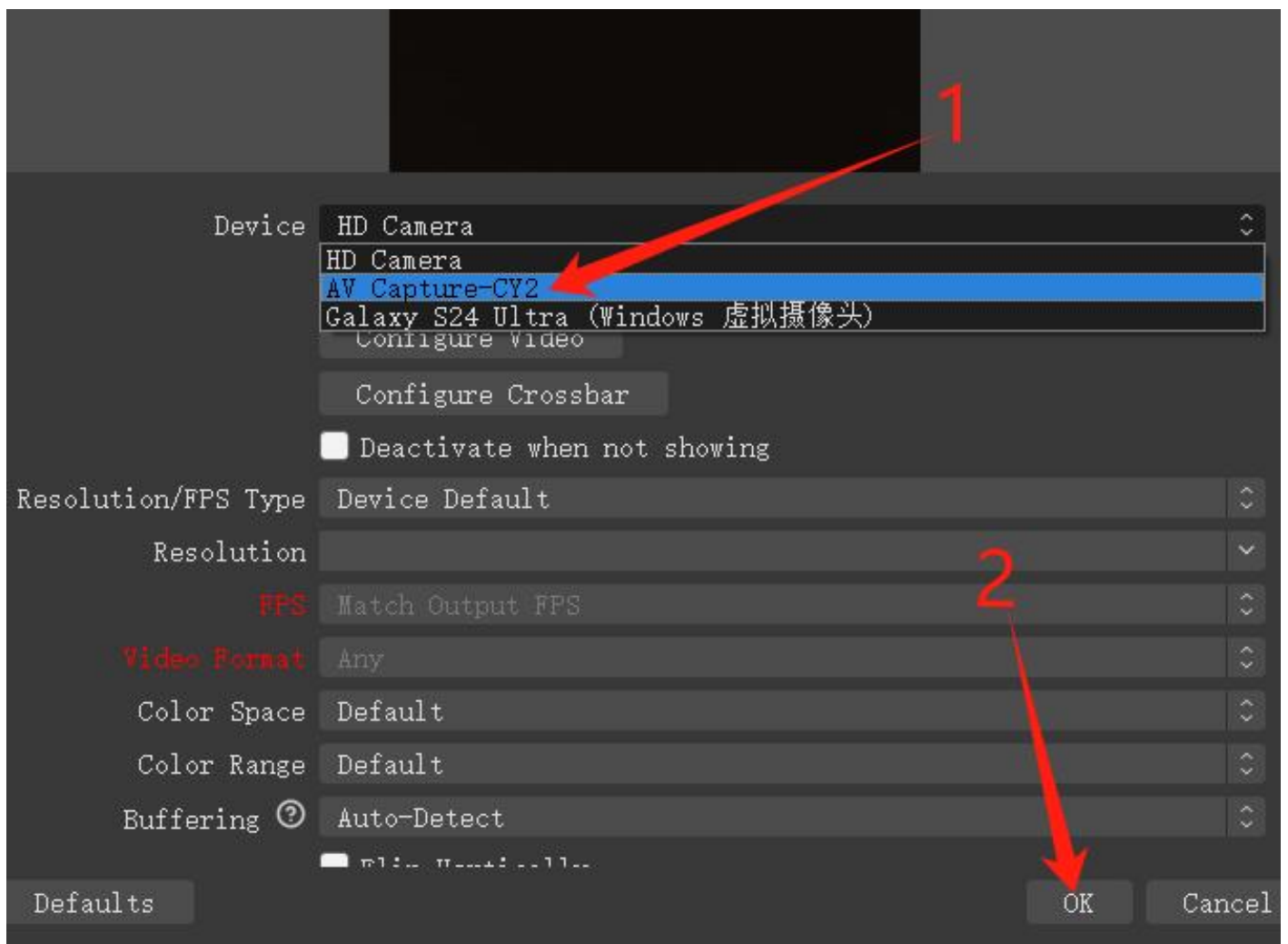In the "Scenes" panel (lower left corner), click the "+" button to add a new scene. Delete any unused scenes with "-".

2 :Add Video Source:

In the "Sources" panel, delete any pre-existing sources by selecting them and clicking the "-" button.Click the "+" button, select "Video Capture Device," and click "OK" to create a new video source.

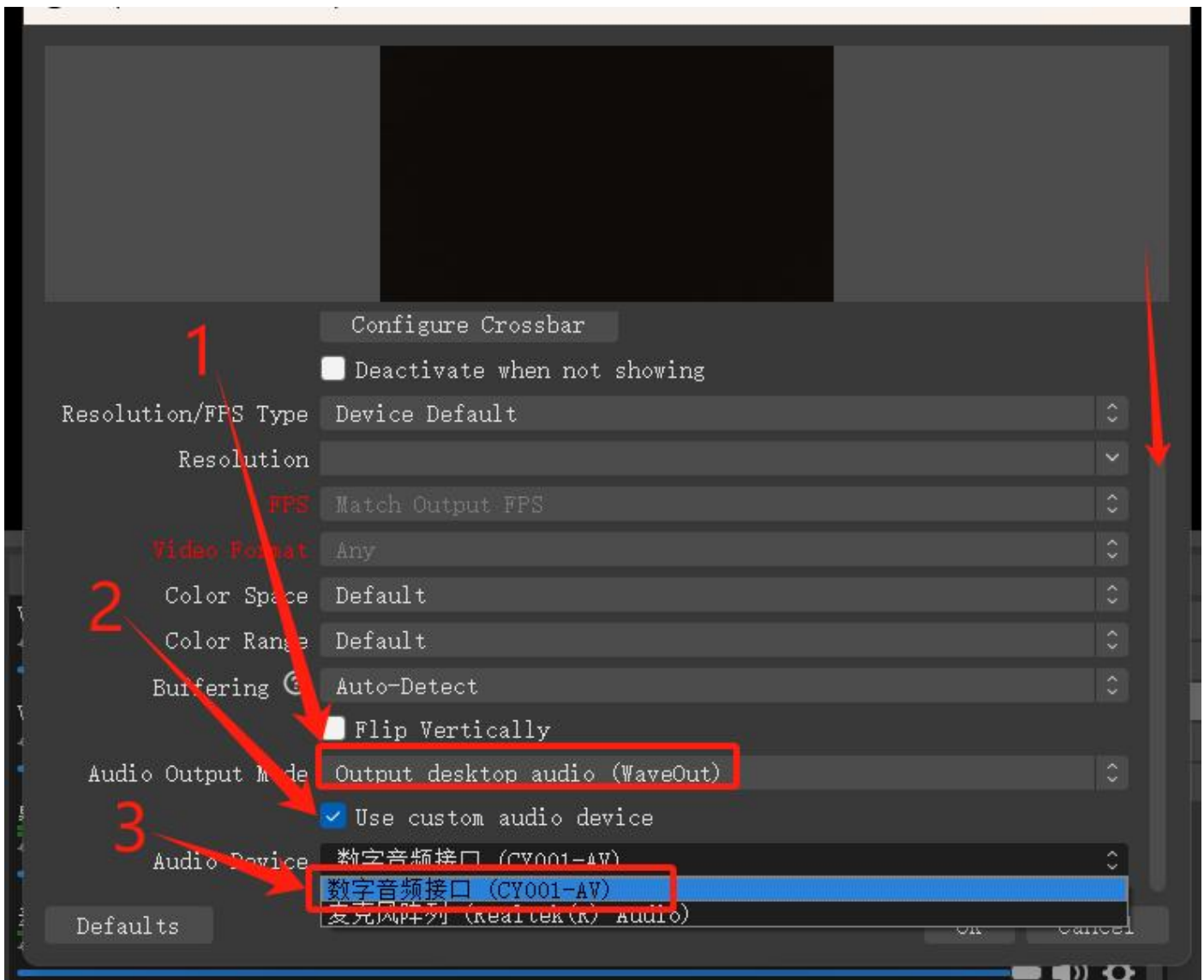# 3 :Video capture device Settings

In the video source settings, make sure the "Device" setting is set to "AV Capture-CY2" and click "OK."

Device	HD Camera	
	HD Camera	
	AV Capture-CY2	
	Galaxy S24 Ultra (Windows 虚拟摄像头)	

Configure Video

Configure Crossbar

☐ Deactivate when not showing

Resolution/FPS Type	Device Default	
Resolution		
FPS	Match Output FPS	
Video Format	Any	
Color Space	Default	
Color Range	Default	
Buffering ⓘ	Auto-Detect	
	☐ Flip Vertically	

Defaults   OK   Cancel

4.Configure Audio: In the preceding dialog box,after setting the video source device,pull down the progress bar on the right,Set according to step 123 of the following figure

(1): Select"Output desktop audio (directSound)" or"Output desktop audio (WaveOut)".

(2): Enable☑"Use custom audio device".

(3): In Audio Device Select"AV Capture-CY2" for AV Audio input source

Step 4: Start Recording:

Click "Start Recording" to capture or stream. Use "Studio Mode" Switch to double window mode to preview output in real-time.
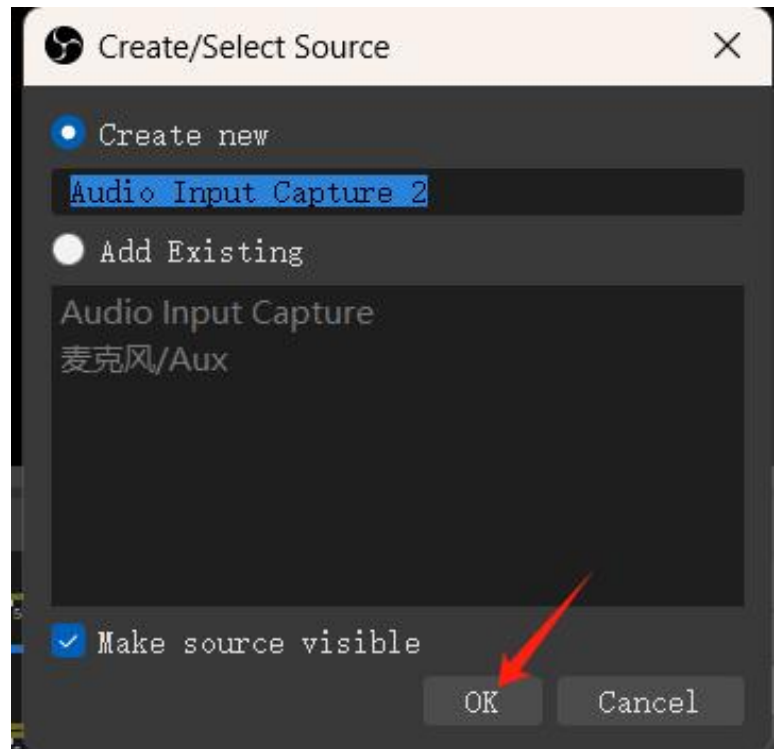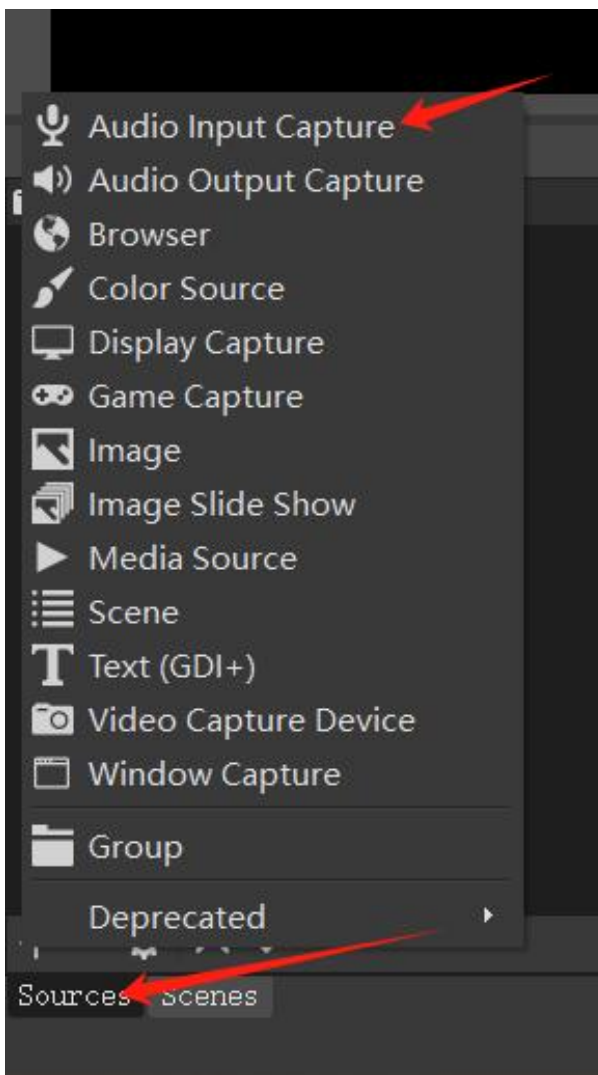
IMPORTANT NOTE:

1"You may not be able to hear/monitor the audio from your source. (It will show up in the final recording or stream.) But you can verify that audio is coming through by watching the green bar below "Audio Input Capture."

2:If the device still has no sound after the above Settings, you can add audio again in the following way;under "Sources," click the plus "+" button and choose "Audio Input Capture."
Then, click "OK" to create the audio source.

TROUBLESHOOTING & FAQ

1.No Signal in OBS: Ensure cables are securely connected.Verify the correct input source is selected in OBS.

2. Audio Not Audible During Preview Audio is embedded in recordings but not monitored live. Check levels via the "Audio Input Capture" bar.

3 Change Recording Format

In OBS: Settings → Output → Recording

Format → Select desired format (MP4, FLV, etc.).

Need Assistance?

We are always online to provide support!