FEELWORLD®

4K HDMI VIDEO CAPTURE



User Manual

Foreword

Thank you for purchasing FEELWORLD C4K PRO 4K HDMI video capture. Please read this manual carefully before using the unit. Have a great experience!

Safety Cautions

- Please avoid using this product in extreme high or low temperature, as well as in dusty and humid environments.
- Do not place the product in an environment with corrosive substances, and it is strictly prohibited to use other chemical solutions to clean this product.
- Please do not disassemble or repair this product by yourself.
- Please keep this product out of reach of children.
- To protect the ecological environment, please dispose of this product in accordance with local laws and regulations. It cannot be disposed of as domestic garbage.

Key Features

- ❖ CNC aluminium housing, compact and portable
- ❖ Built-in Active Cooling Fan
- ❖ HDMI input and output support up to 4K60P
- ❖ MJPEG format supports up to 4K60P
- ❖ NV12,I420 format support up to 4K30P
- ❖ Supports 240Hz per second high refresh rate
- ❖ Support Variable refresh rate(VRR), real time adaptation the signal source and device frame rate
- ❖ USB3.0 plug and play, driver free

- ❖ Compatible with Windows, MacOS, Linux system
- ❖ Compatible OBS Studio, Potplayer and more software
- ❖ Dual mic audio inputs and a 3.5mm headphone jack

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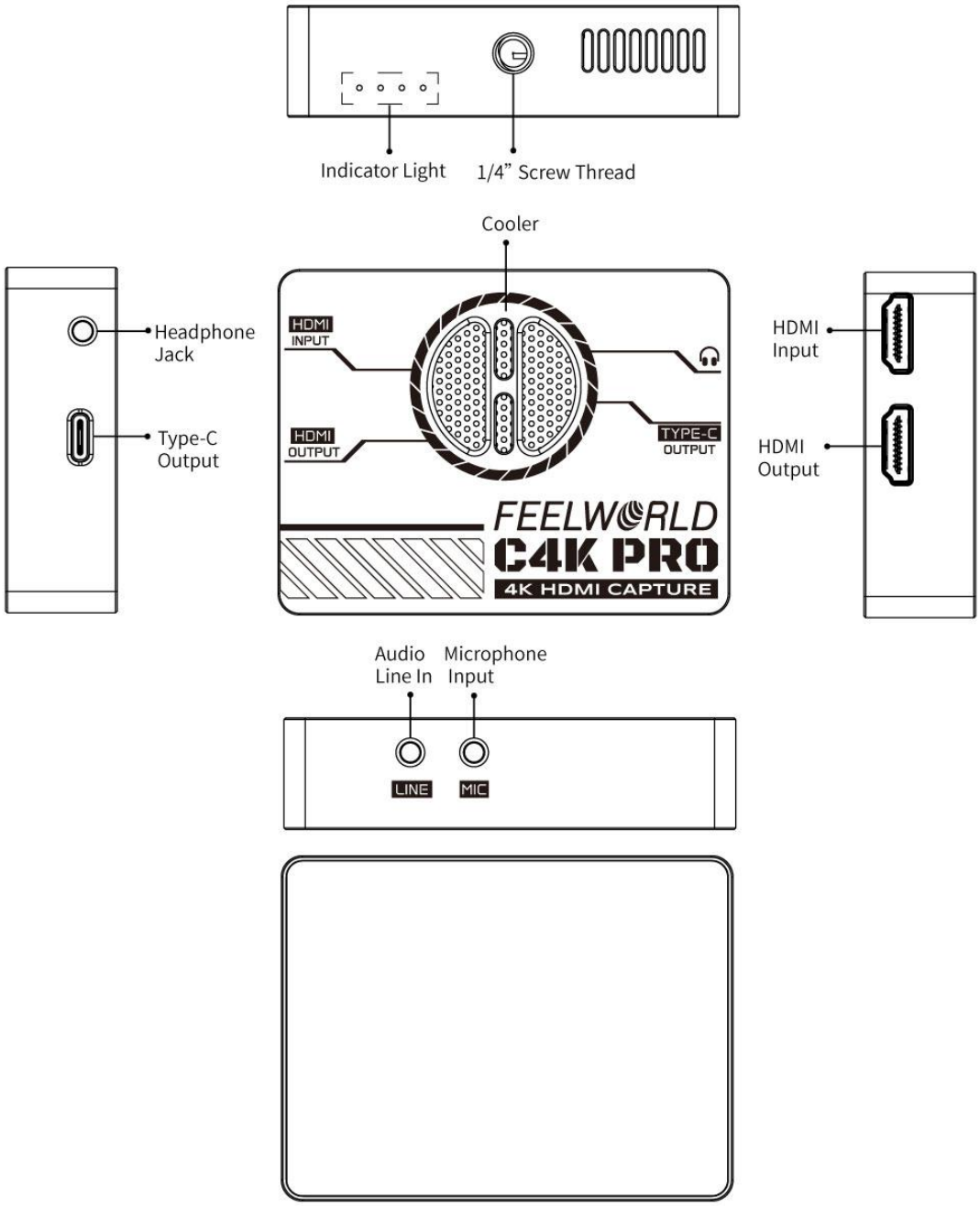
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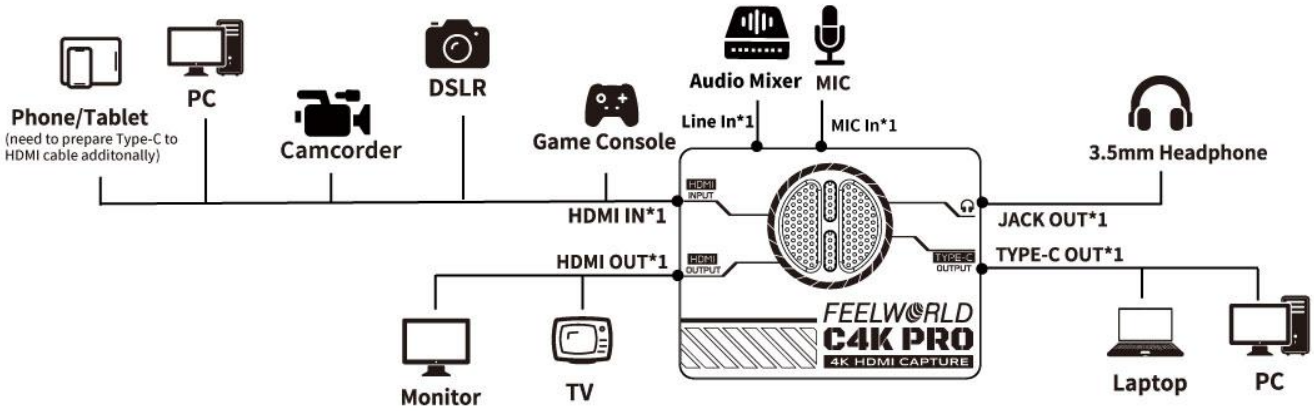
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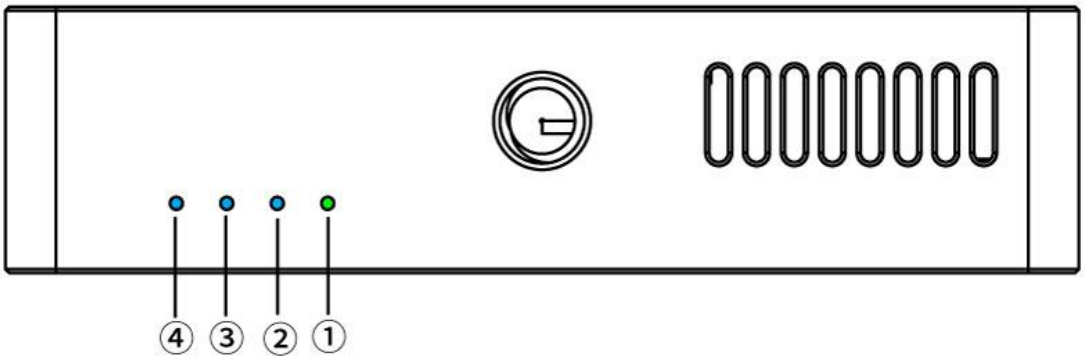
1. Product Profile



1.1 Connection Diagram



1.2 Indicator Light



①&③: When the TYPE-OUT port is connected to a computer, indicators ① and ③ will light up — indicator ① glows green, and indicator ③ glows blue.

②: When the HDMI INPUT port is connected, indicator ② will glow blue

④： When the HDMI OUTPUT port is connected, indicator ④ will glow blue.

2. Capture Device Requirement

2.1 Windows: need to support UVC protocol

2.1.1 MJPEG 4K60 computer configuration requirement

	PC	Laptop
CPU	Intel Core i7-10xxx or above	Intel Core i9-9xxx or above
GPU	NVIDIA GeForce GTX1650 or above	NVIDIA GeForce GTX1650 or above
RAM	8G (dual channel）	8G (dual channel)

2.1.2 NV12/ I420 4K30 computer configuration requirement

	PC	Laptop
CPU	Intel Core i5-6xxx or above	Intel Core i7-7700HQ or above
GPU	NVIDIA GeForce GTX1060 Ti or above	NVIDIA GeForce GTX1050Ti or above
RAM	8G (dual channel）	8G (dual channel）

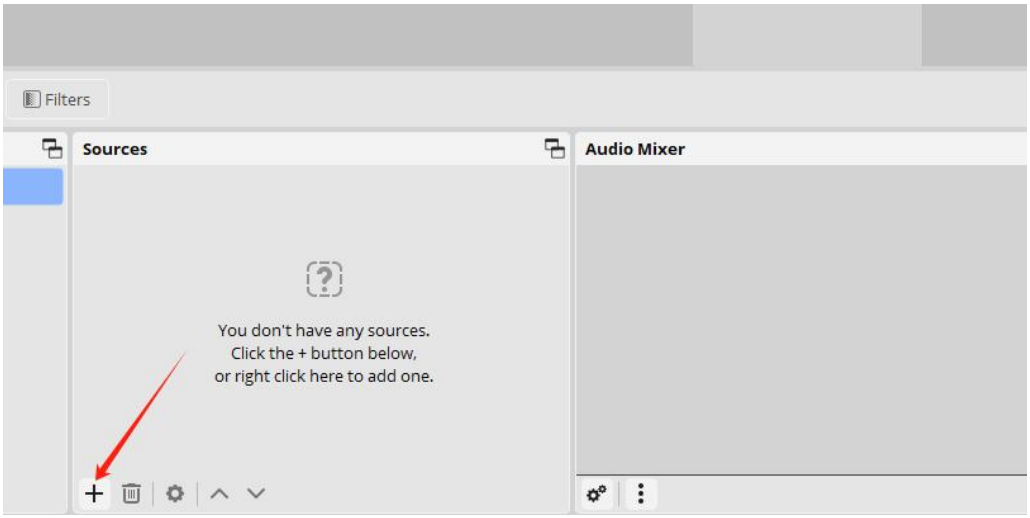
2.2. Mac OS: 10.12 and above

3. How to Use

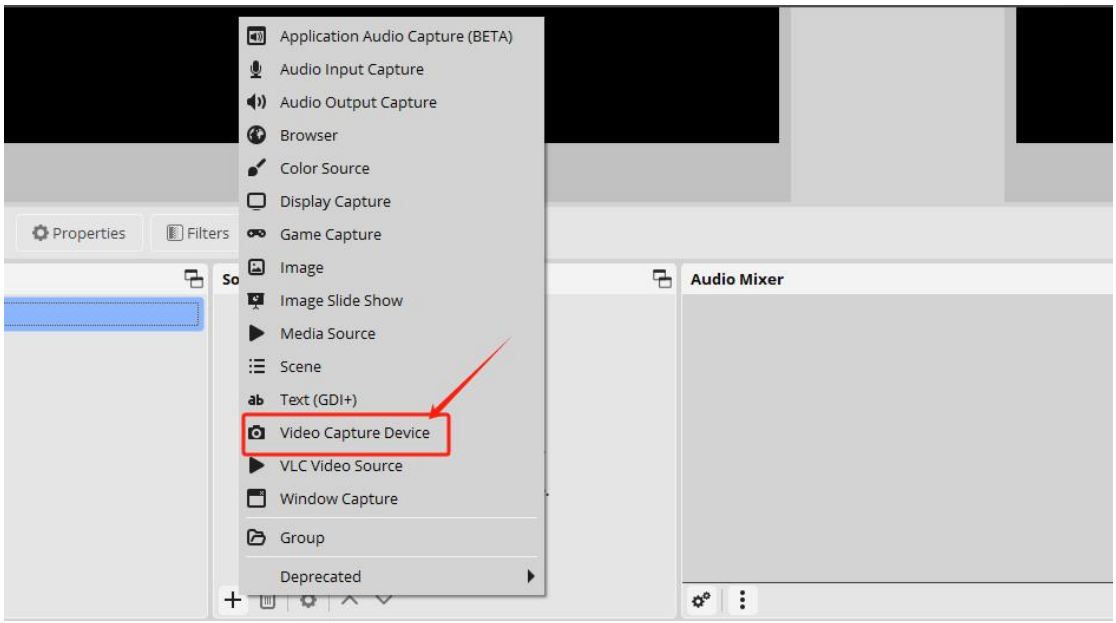
3.1 OBS Software Capture Setup for Windows System

(1) open OBS

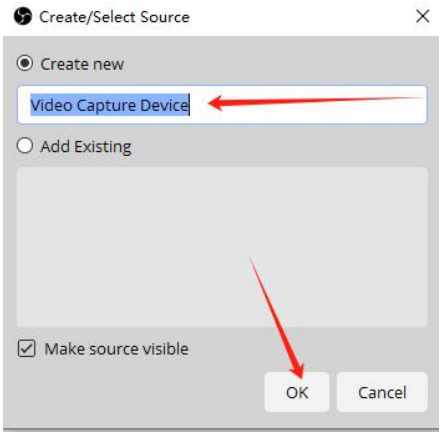
(2) click on the Sources “+” which in the bottom of left corner



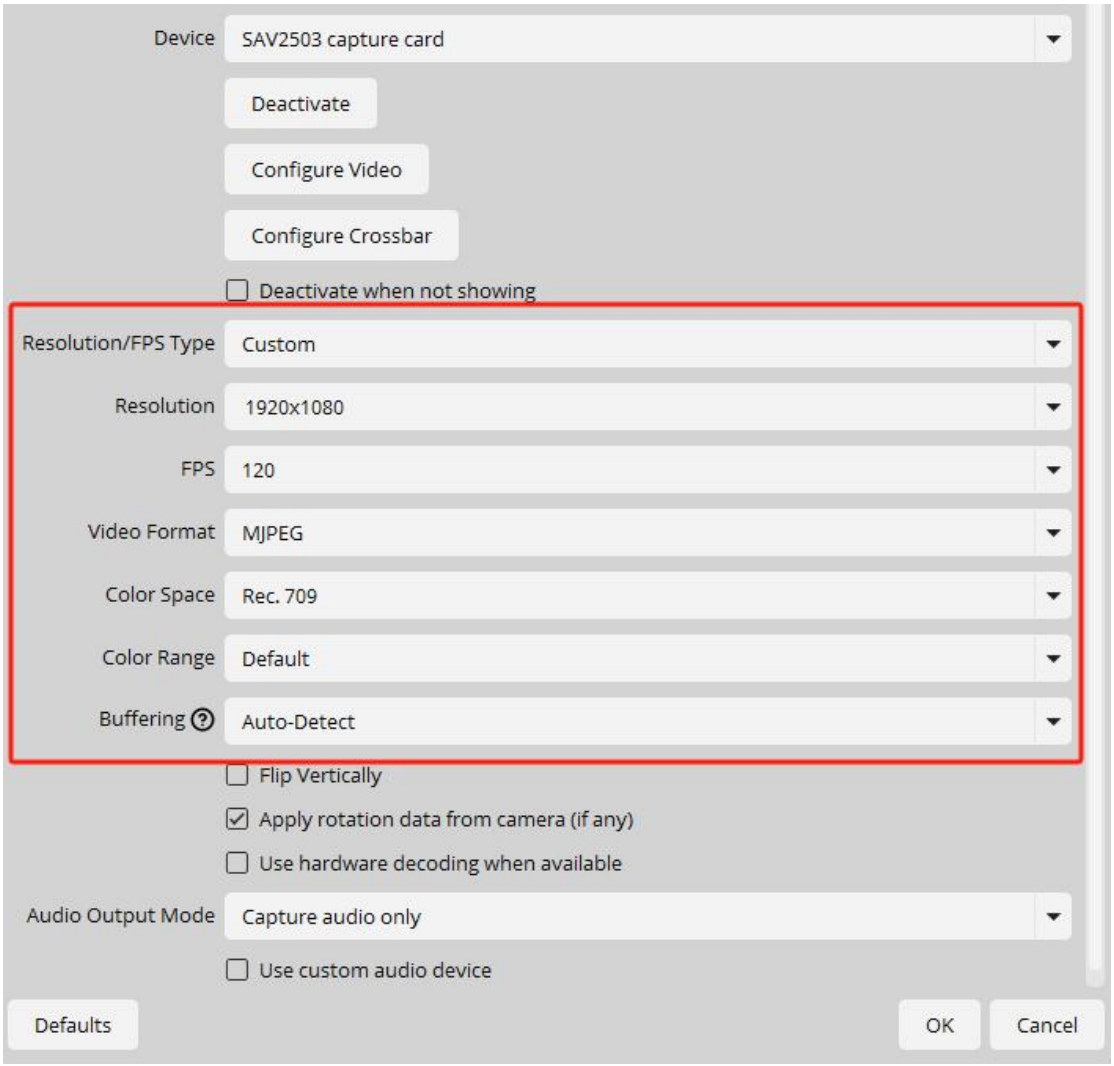
(3) Select Video Capture Device



(4) The name can be modified such as: camera 1 or camera 2, then click OK

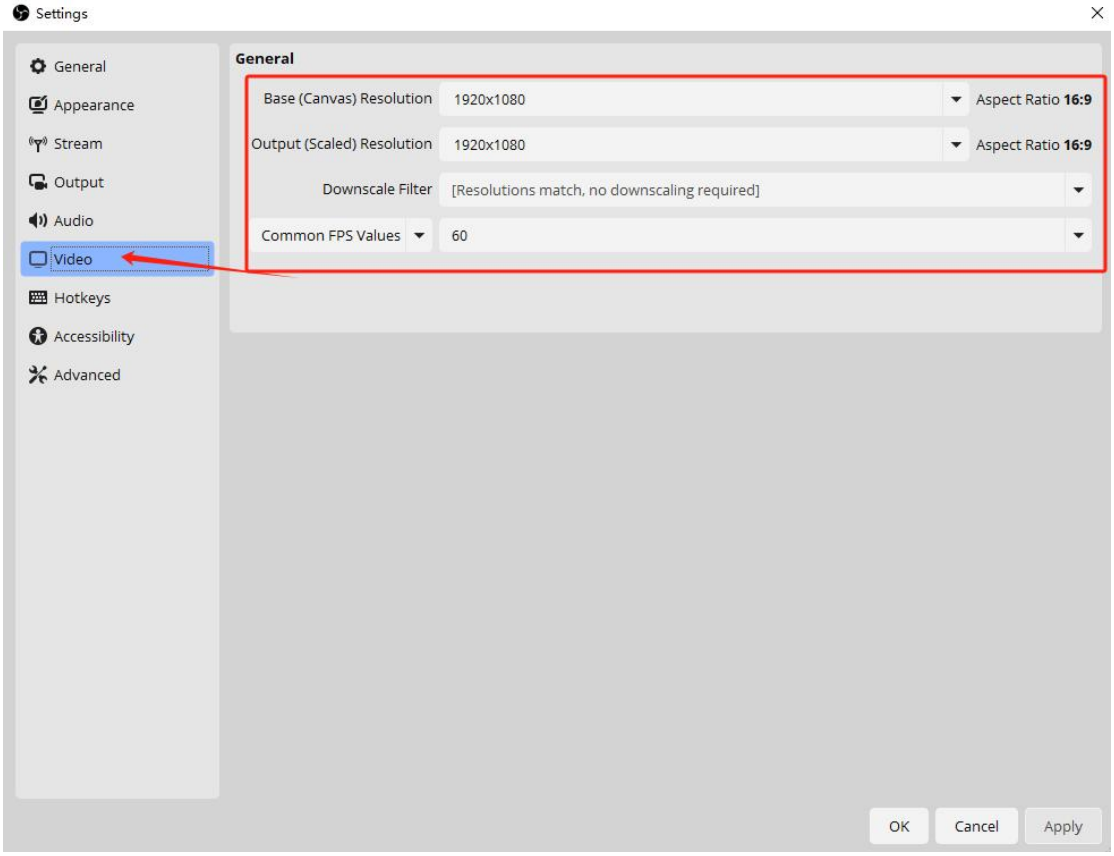


(5) The Type select Custom, for the Resolution, the user can select the corresponding resolution according to own needs, the FPS select parameter match, finally click OK.



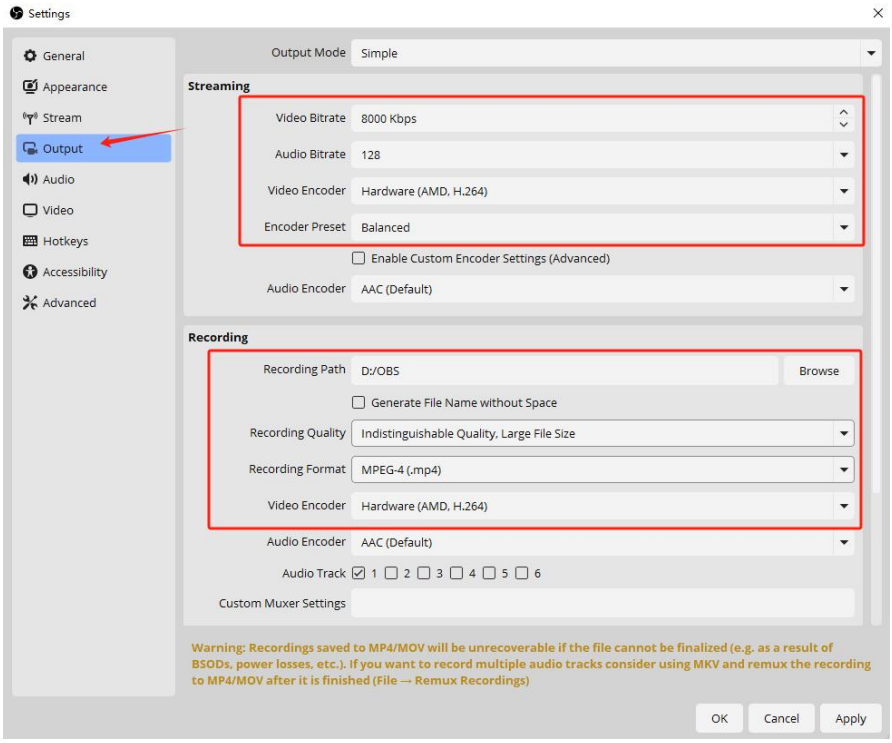
3.2 Suggested parameters for recording video with OBS software (no setting required for not recording video)

(1) Click Settings which in the bottom of right corner of OBS, then click Video and select the resolution and frame rate corresponding to the live live streaming (which are also the recording resolution and frame rate), finally click Apply.

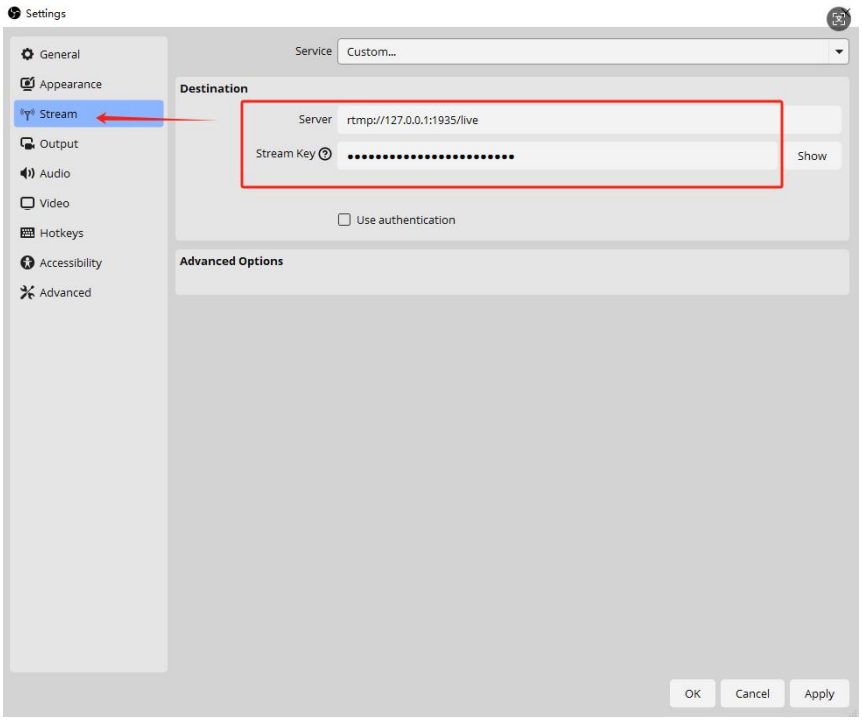


(2) a. For live streaming, click Settings which in the bottom of right corner of OBS, then click Output and set the Video Bitrate, Video Encoder (suggest to select Hardware).

b. For recording, you can set the recording path, recording quality, and recording format -- it is recommended to prioritize MP4 , which is more compatible with many players and APP video software. (No need for live streaming and recording can be ignored this step)

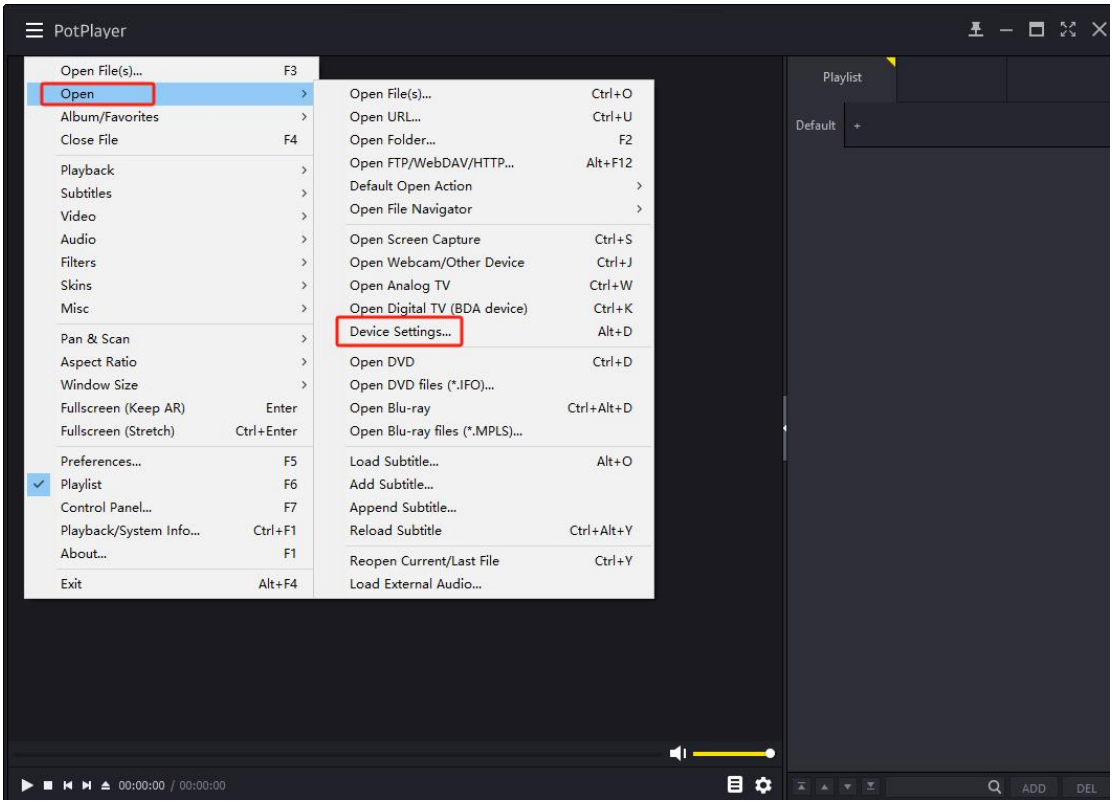


(3) Users who are streaming can click on Settings in the lower right corner of OBS, then click on Stream, import the streaming code of the live streaming platform into OBS, and click on Apply in the lower right corner to start streaming (users who are not streaming can ignore this step).

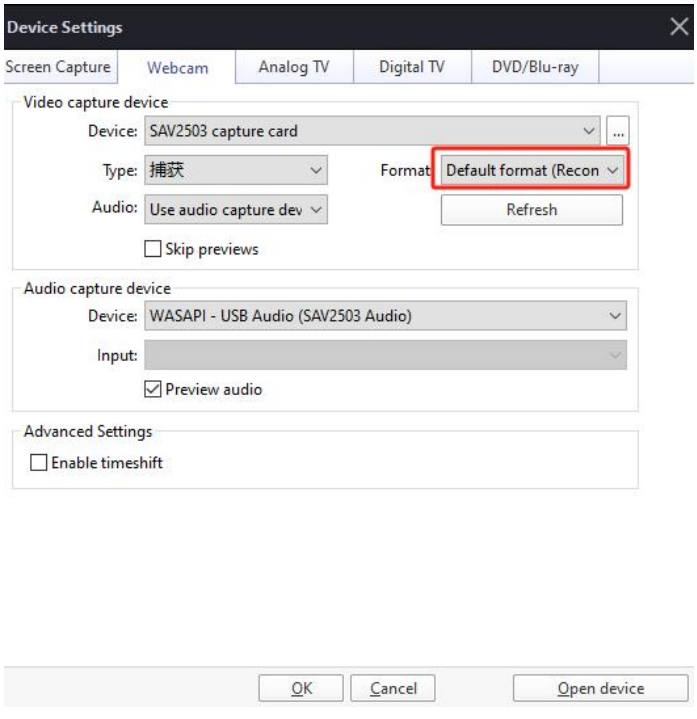


3.3 POTPLAYER software settings for Windows System (can only choose one of from OBS or PotPlayer)

(1) Turn on PotPlayer, select Open and choose Device Settings

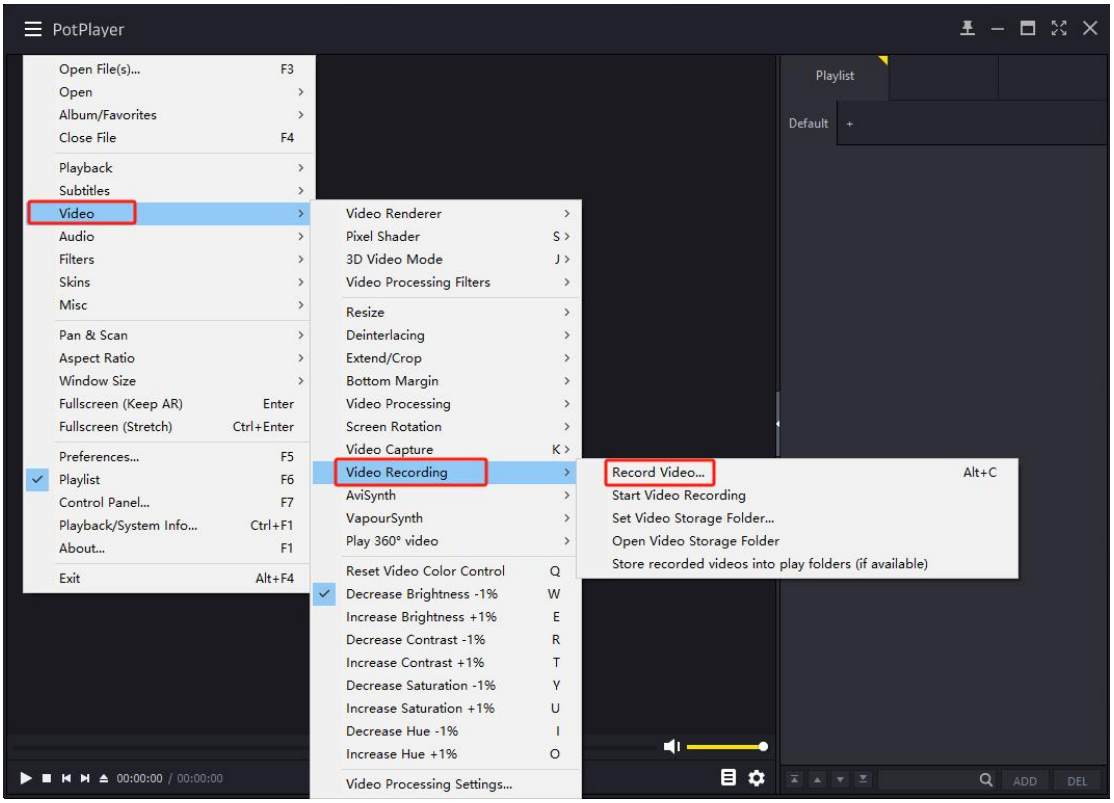


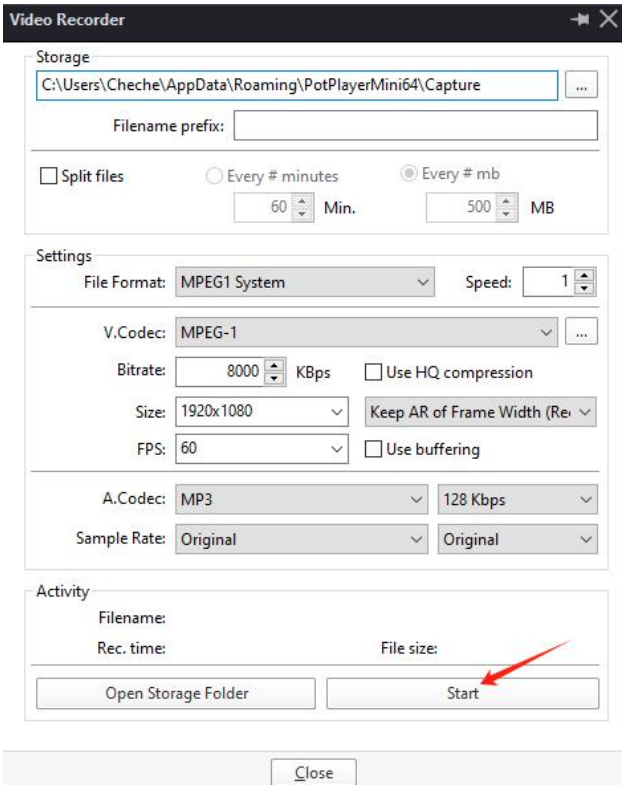
(2) Select Webcam,the Format can be selected freely according to user needs



3.4 POTPLAYER Software Recording Video Settings (no settings required if not recording)

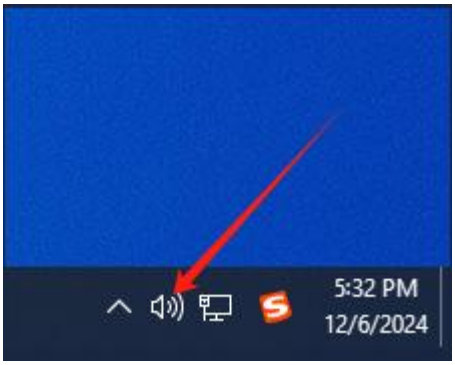
Open PotPlayer, choose Video--Video Recording--Record Video, then click Start



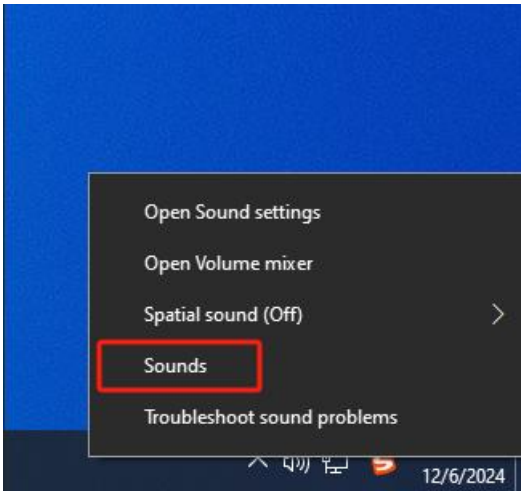


3.5 Capture Sound for Windows System

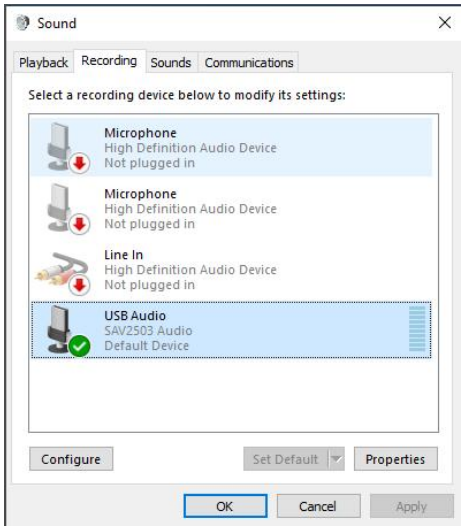
(1) Right click on the speaker in the bottom right corner of the computer desktop



(2) Click Sounds



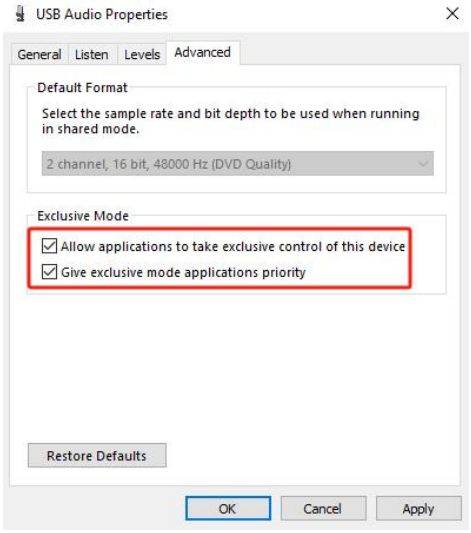
(3) Click Recording, then right click USB Audio Properties



(4) Choose Listen, check the box Listen to this device



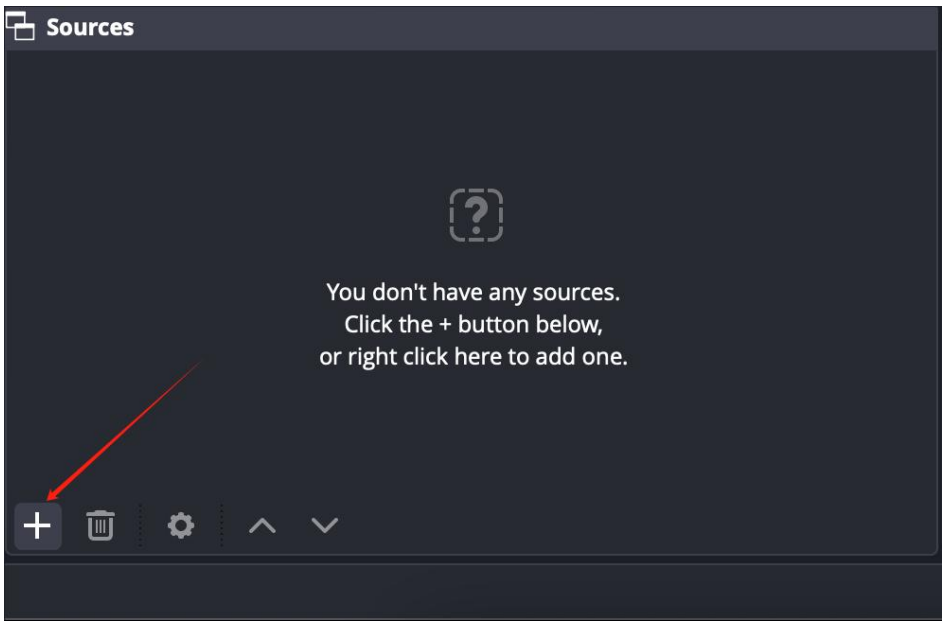
(5) Click Advance, and check if the exclusive mode is checked.



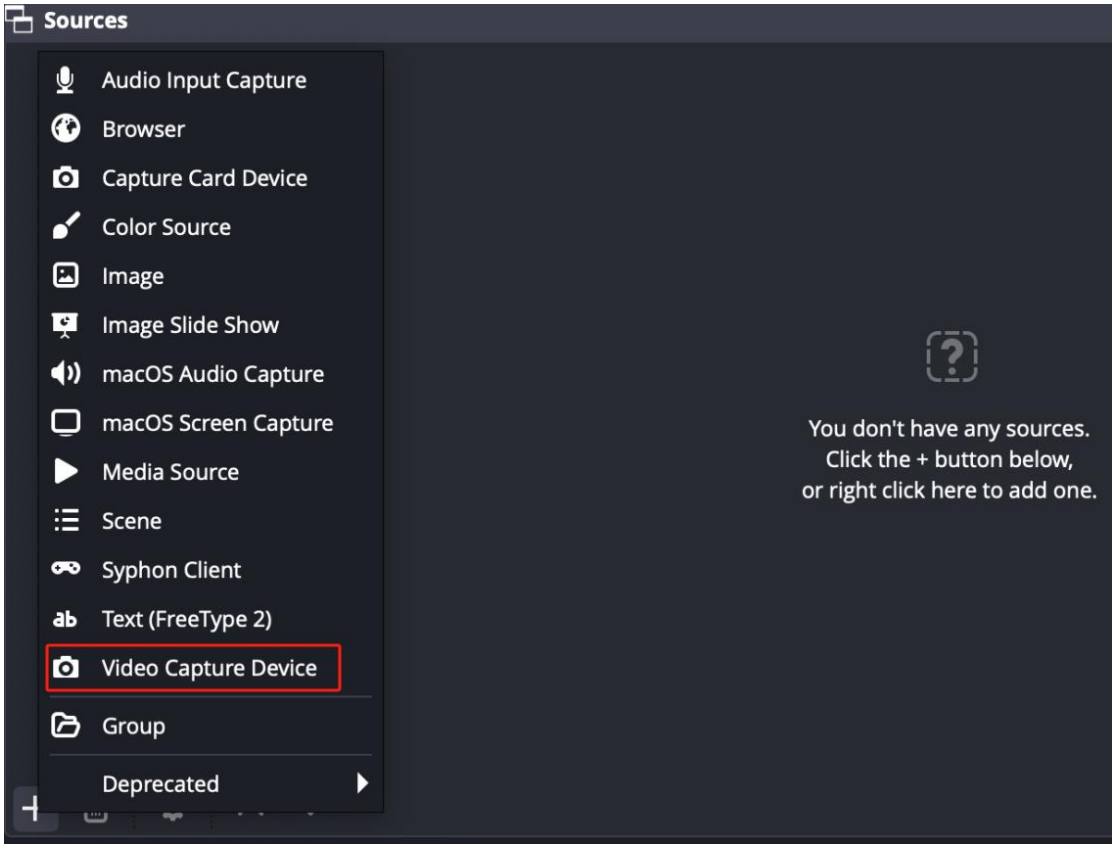
3.6 OBS Software Capture Setup for MAC System

(1) open OBS

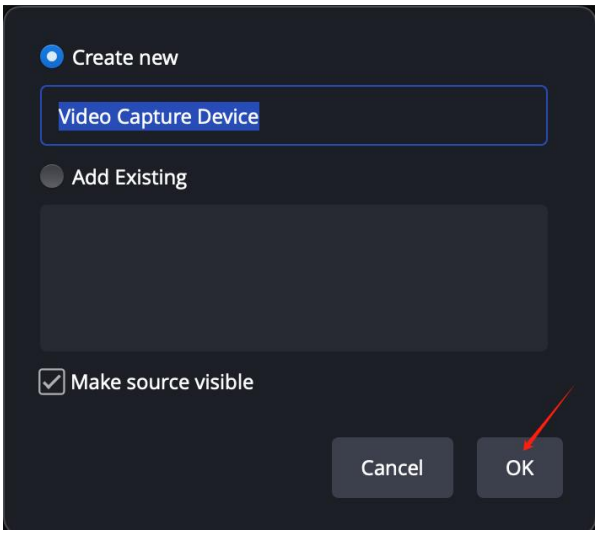
(2) click on the Sources “+” which in the bottom of left corner



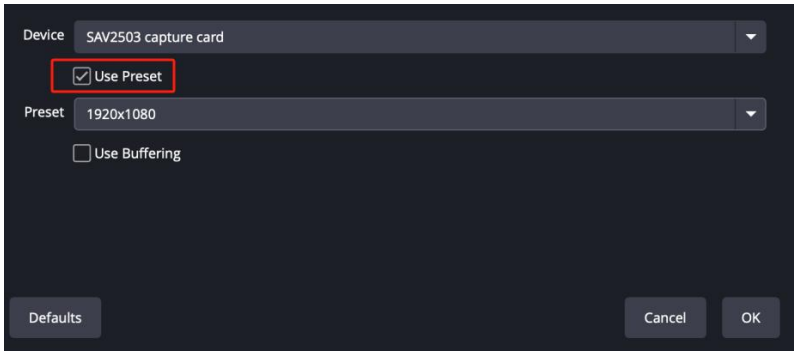
(3) Select Video Capture Device



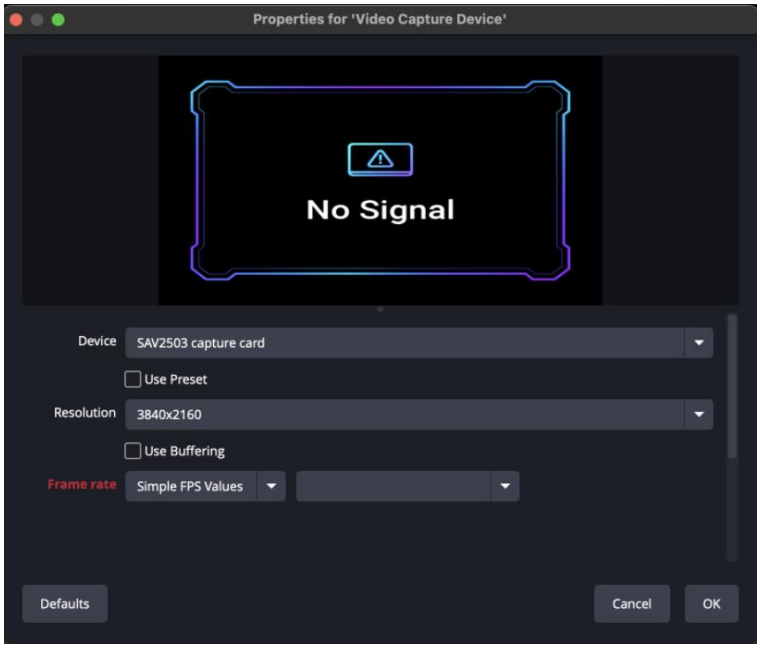
(4) Click OK



(5) Close the checked Use Preset

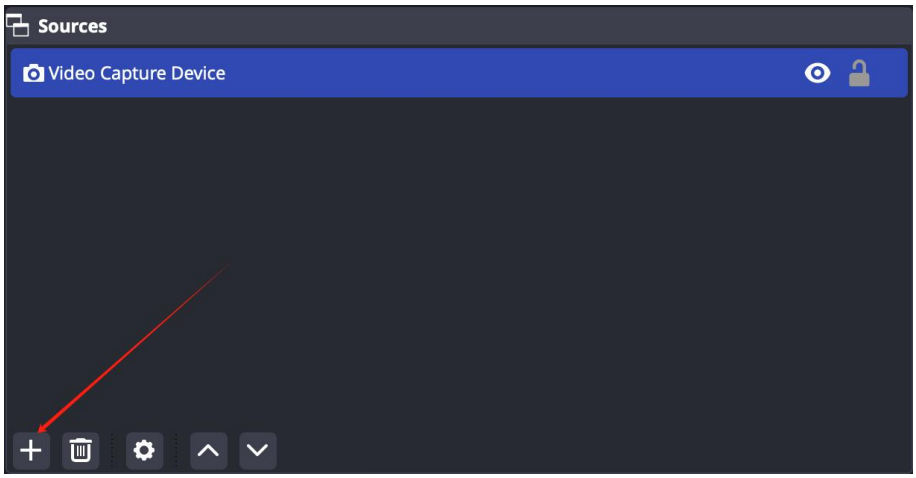


(6)Then will show the corresponding attribute parameters

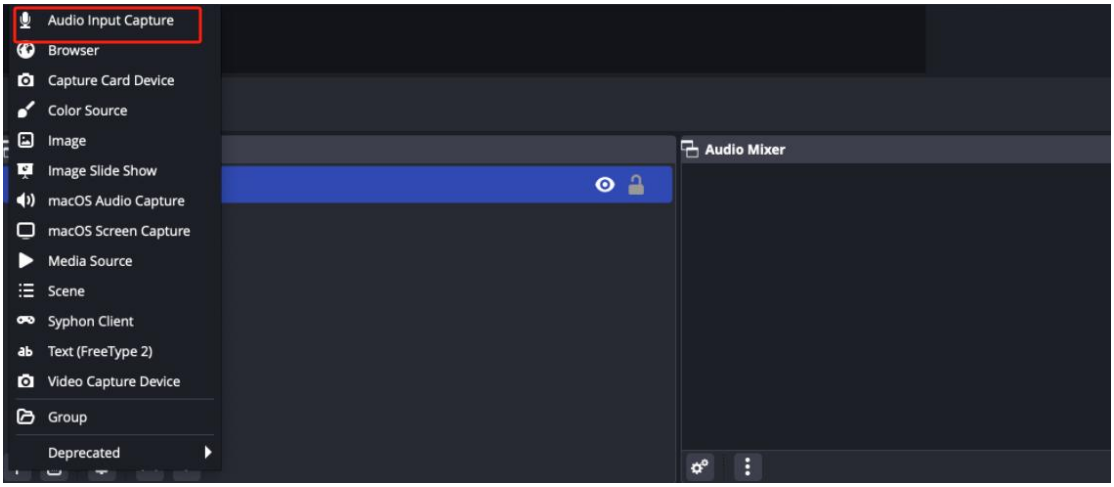


3.7 OBS Sound Capture Setup for MAC System

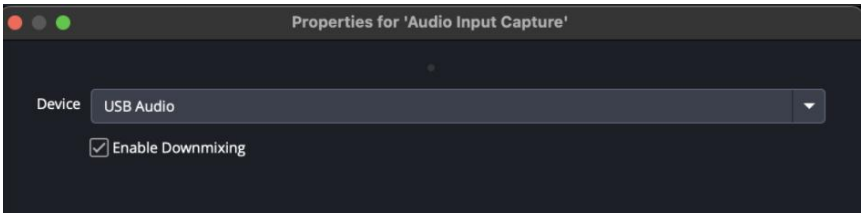
(1) Click “+” which in the bottom left corner of Sources



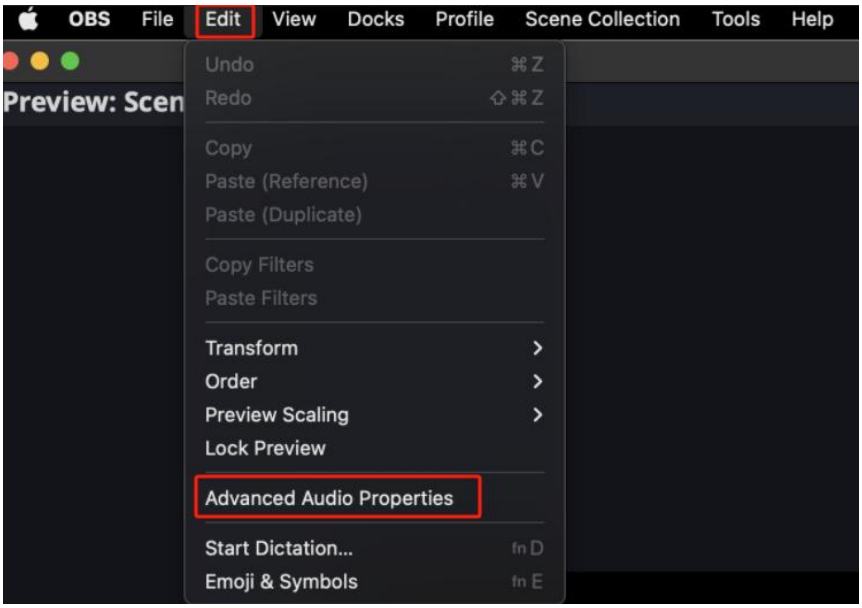
(2) Select Audio Input Capture



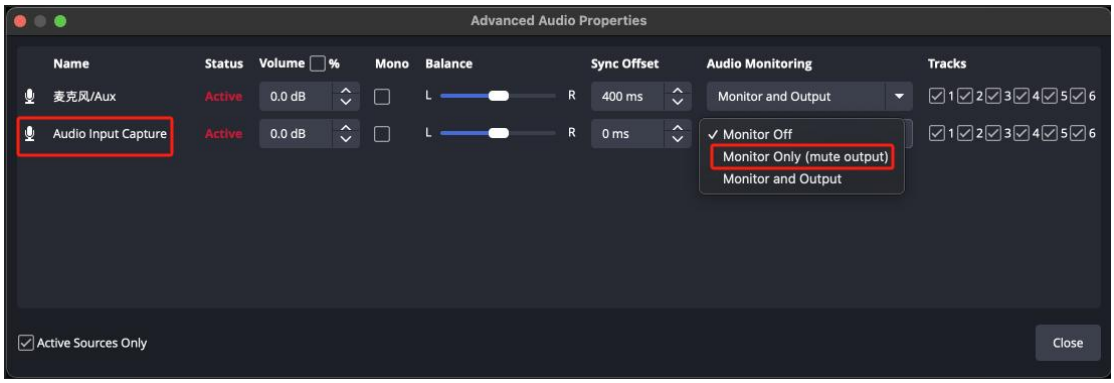
(3) Select USB Audio for the Device



(4) Click on Edit in the upper left corner of OBS and select Advanced Audio Properties



(5) Select Monitor Only of Audio Monitoring which on Audio Input Capture



4. Resolutions and Frames for Capture Formats

YUY2	1920x1080 60, 1920x1080P 60 (P16:9); 640x480 60,640x480P 60 (P4:3); 720x576 50, 720x576P 50(P5:4); 1280x720 120，1280x720P 120(P16:9); 2560x1080 50, 2560x1080P 50(P 64:27); 2560x1440 50，2560x1440P 50(P 16:9)
MJEPG	3840x2160 60, 3840x2160P 60 (P16:9); 640x480 60, 640x480P 60 (P4:3); 720x576 50, 720x576 50 (P5:4); 1280x720 120, 1280x720P 120(P16:9); 1920x1080 240, 1920x1080P 240(P 16:9); 2560x1440 144, 2560x1440P 144 (P16:9);

	2560x1080 60, 2560x1080P 60(P 64:27)
NV12	3840x2160 30, 3840x2160P 30 (16:9); 2560x1080 60; 640x480P 60(P 4:3); 720x576 50, 720x576P 50(P 5:4); 1280x720 120, 1280x720P 120(P 16:9); 1920x1080 120, 1920x1080P 120 (P 16:9); 2560x1080 60, 2560x1080P 60(P 64:27); 2560x1440 60, 2560x1440P 60(P 16:9)
I420	3840x2160 30, 3840x2160P 30 (P16:9); 640x480 60, 640x480P 60(P 4:3); 720x576 50, 720x576P 50(P5:4); 1280x720 120, 1280x720P 120(P 16:9); 1920x1080 120, 1920x1080P 120(P 16:9); 2560x1080 60, 2560x1080P 60(P 64:27); 2560x1440 60, 2560x1440P 60 (P16:9)
RGB24	1920x1080 60, 1920x1080P 60 (P16:9); 640x480 60, 640x480P 60 (P4:3); 720x576 50, 720x576P 50(P5:4); 1280x720 120, 1280x720P 120(P 16:9); 2560x1080 30, 2560x1080P 30(P 64:27); 2560x1440 30, 2560x1440P 30 (P16:9)
P010	1920x1080 60, 1920x1080P 60(P 16:9); 640x480 60, 640x480P 60 (P4:3); 720x576 50, 720x576P 50(P5:4); 1280x720 120, 1280x720P 120(P 16:9); 2560x1080 30, 2560x1080P 30(P 64:27); 2560x1440 30, 2560x1440P 30(P 16:9)

5. Product Parameters

Model	C4K PRO
Material	CNC Aluminium
Input Port	HDMI 2.0
Loop-out Port	HDMI 2.0
Capture Port	USB-C 3.0
Video Format	MJPEG,YUY2,NV12,I420,RGB24,P010
Audio In	1*3.5mm MIC, 1*3.5mm LINE IN
Audio Out	3.5mm headphone jack

HDMI Input/ Output Support Format	480i/576i/480p/576p 720p (60/59.94/50/30/29.97/25/24/23.98) 1080i (60/59.94/50) 1080p (60/59.94/50/30/29.97/25/24/23.98) 3840×2160p (60/50/30/29.97/25/24/23.98) 4096×2160p (60/50/30/29.97/25/24/23.98)
Compatible System	Windows 7/8/10/11, Linux, MacOS
Compatible Software	OBS Studio/Potplayer/XSplit/QuickTime Player,etc.
Voltage of Computer	5V at least
Cooling Way	Built-in cooling fan
Unit Weight	144g
Unit Size	85.35x65.25x21.25mm

★ As we are improving product features and product performance, so if there is any change on the specification without prior notice.