see the world

QUICK START GUIDE

MST 4K HDMI Video Capture Card

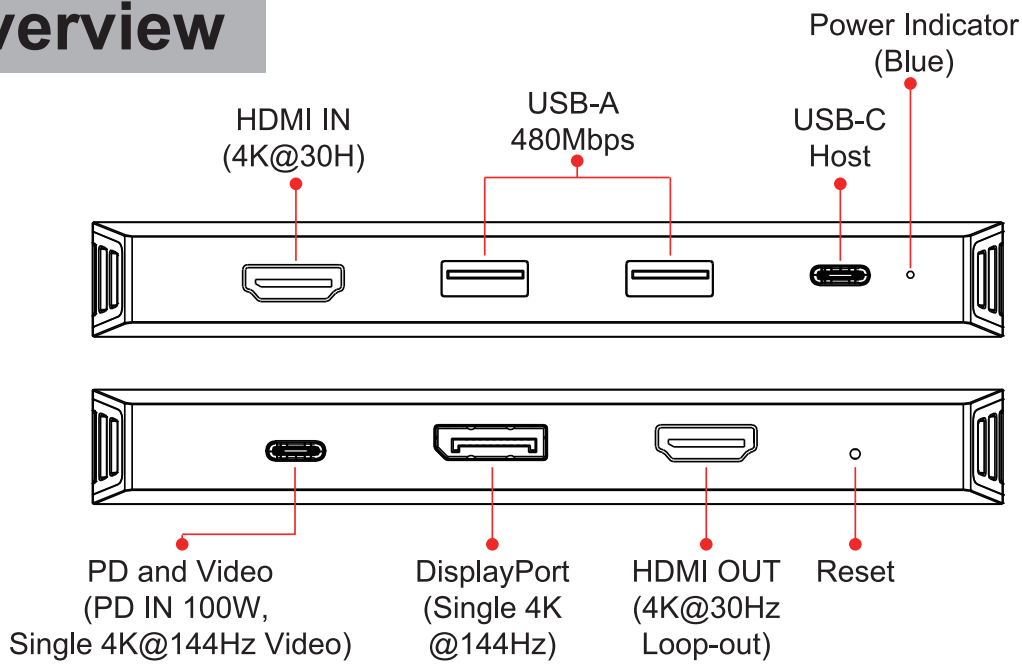
www.wavlink.com/en_us/WL-VR204

Scan the QR code or load the link for
Quick Start Guide downloading

WAVLINK (@WavlinkOfficial)
WAVLINK SUPPORT (@WavlinkTechSupport)

WL-VR204

Overview



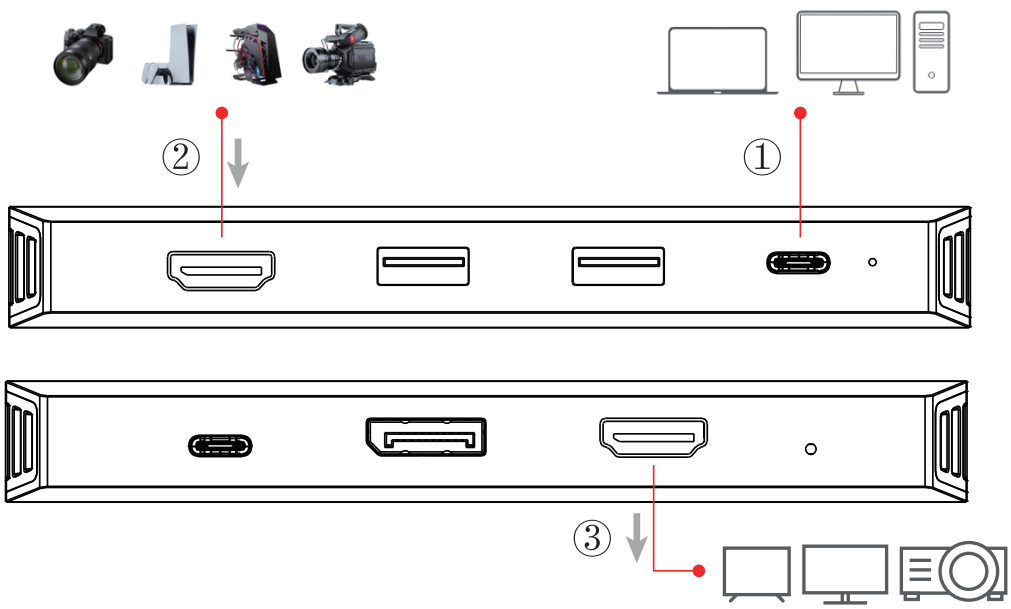
How to Connect

For Video Capture

① Connect your laptop's USB-C port(supporting DP Alt Mode) to the USB-C host port via Type-C cable.

② Connect the video source device to the HDMI IN port via the HDMI cable.

③ Connect the monitor/projector to the HDMI OUT port.

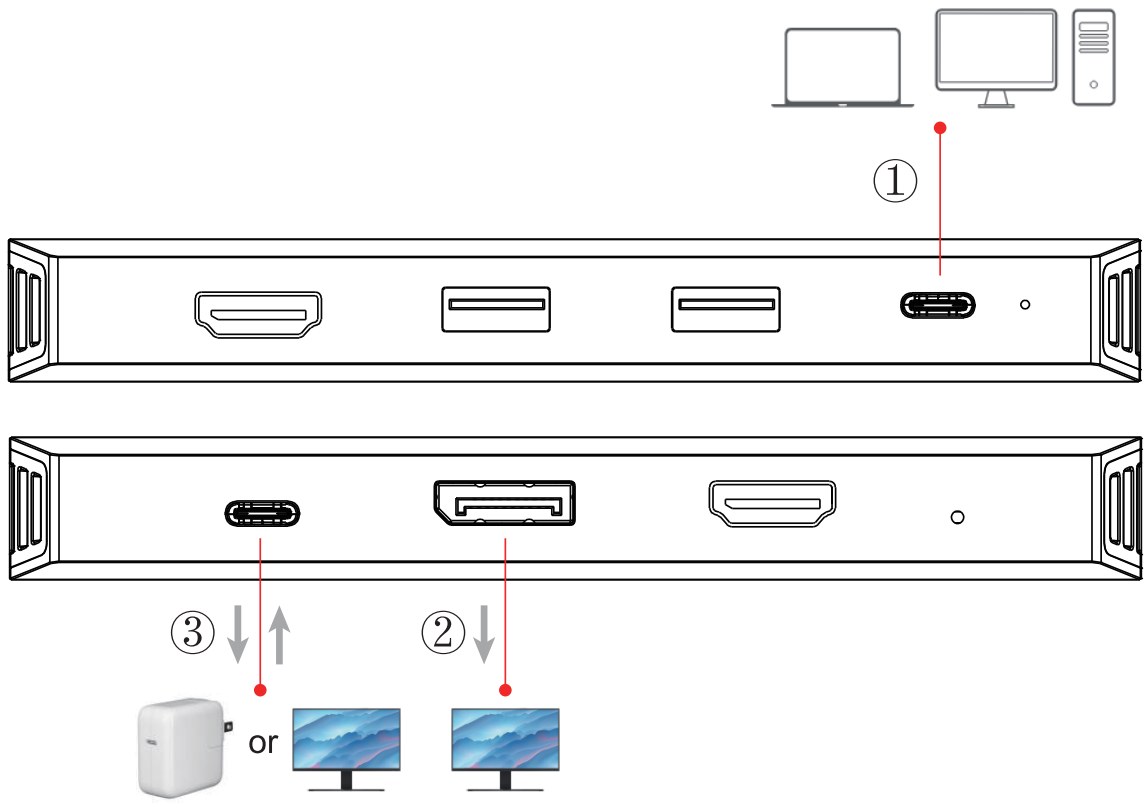


For Hub

① Connect your laptop’s USB-C port (supporting DP Alt Mode) to the USB-C host port via Type-C cable.

② Connect the monitor to the DP port to extend or mirror the host screen.

③ If the PD and Video interface is connected to a power adapter, it can be used for PD power supply. If you want to extend or mirror the laptop's screen, you should connect the port to the monitor.



Note:

* If you have selected the DP port to extend or mirror your computer’s screen, the PD and Video port can only act as a Power IN, so a connection of power source device is required for PD and Video port.

* The USB-C Host and HDMI IN cannot work simultaneously, if they are connected at the same time, the HDMI IN captures the video first.

Resolution

A.Extend or Mirror

Item	PD and Video	DisplayPort
Single Display	4K@144Hz	4K@144Hz

Item	PD and Video+HDMI OUT	DisplayPort+HDMI OUT
Dual Display	4K@60Hz+4K@30Hz	4K@60Hz+4K@30Hz

Note:

* For Windows based Laptop/PC, MST mode is available, one video source is captured and looped out to the HDMI OUT interface, and the other video source is extended to the DP or PD and Video interface.

* For Mac based Laptop/PC, only SST mode is available, one video source is captured and looped out to the HDMI OUT port, and the other video source is mirrored to DP/PD and Video port.

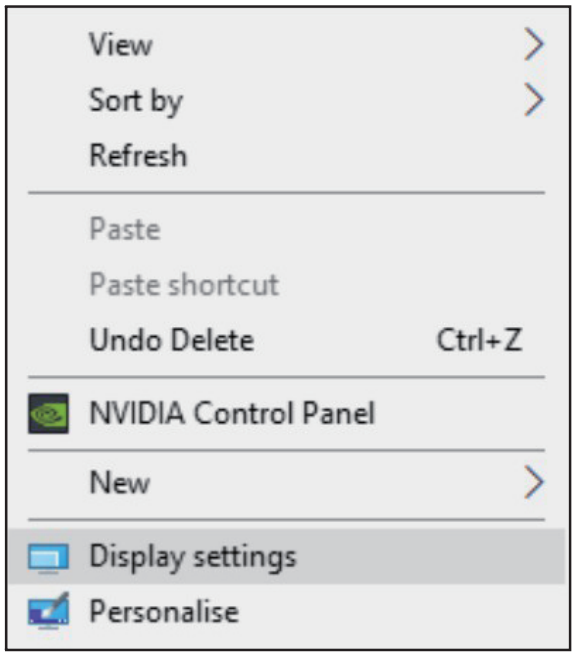
B.Video Capture&Loop-out

Item	PD and Video	DisplayPort
Capture	USB-C Host	4K@30Hz
	HDMI IN	4K@30Hz
Loop-out	HDMI OUT	4K@30Hz

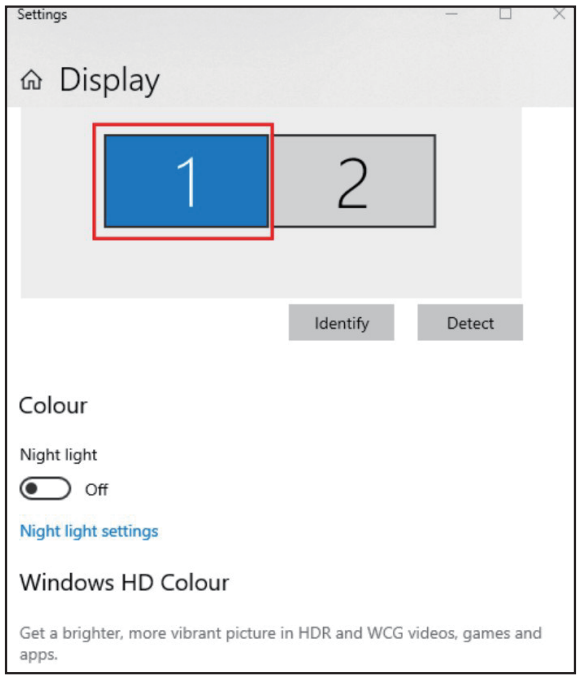
Display Mode Setting

For Windows Users

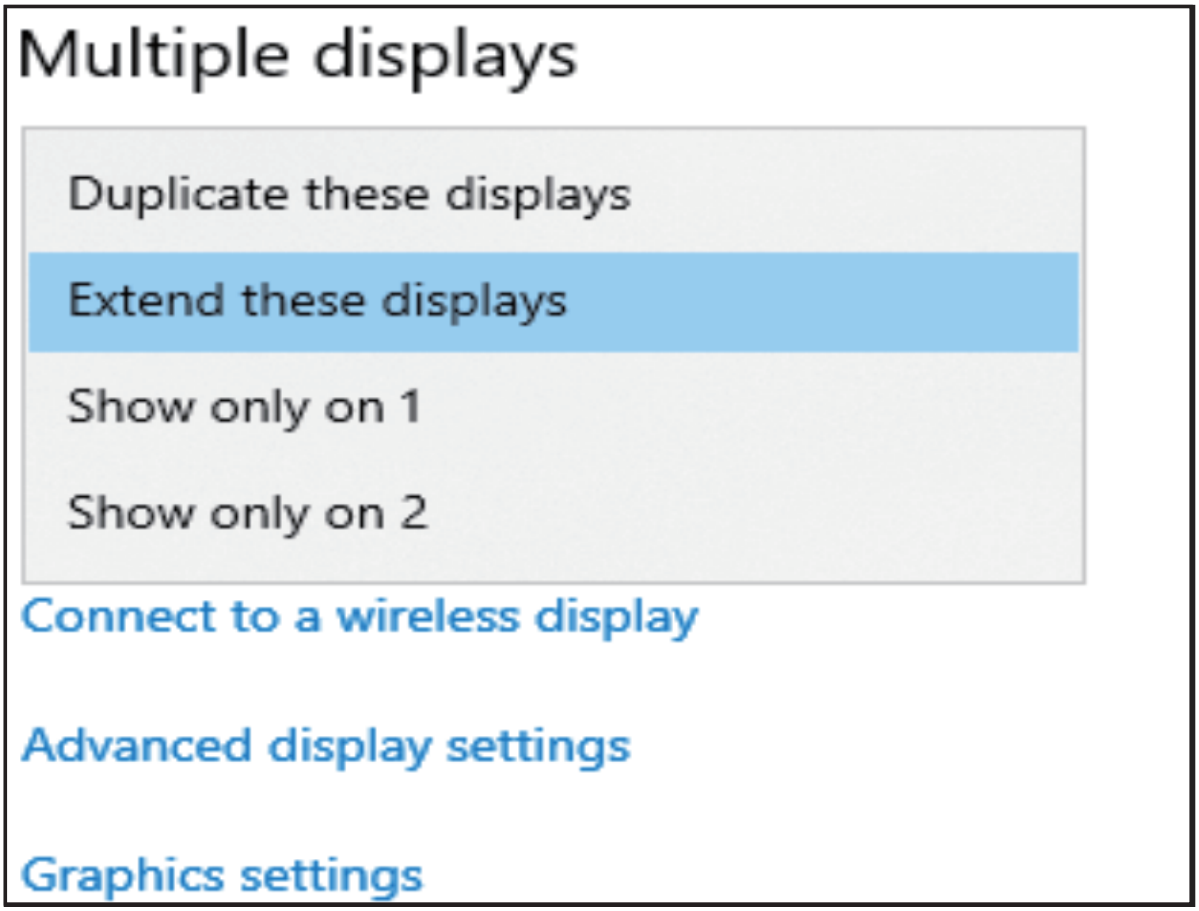
1. Right-click at any spot on your desktop and select “**Display settings**”.



2. In “**Display**”, please select either monitor 1 or monitor 2.



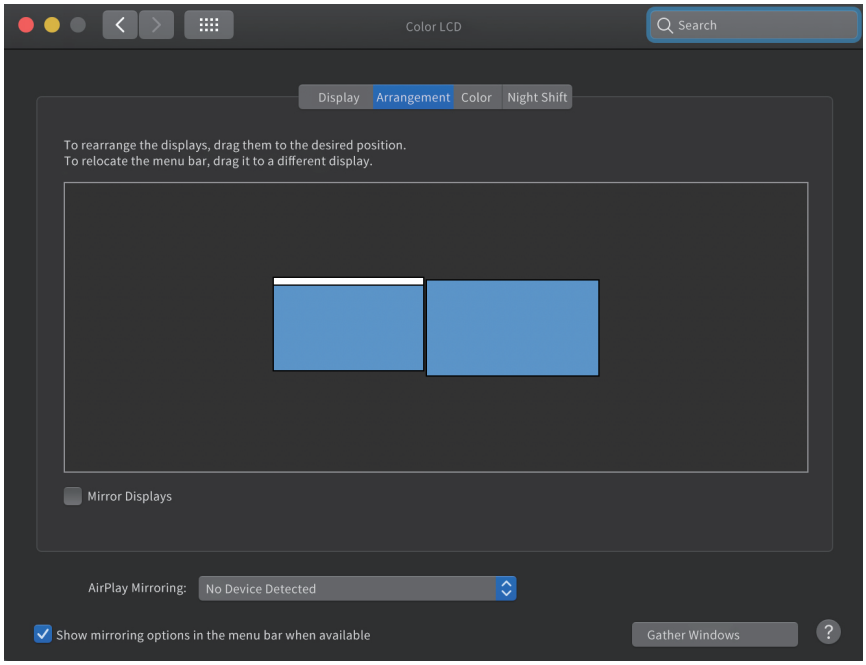
3. Scroll down to the “**Multiple displays**”, and select the mode in the drop-down list that is fit for your need.



For Mac OS Users

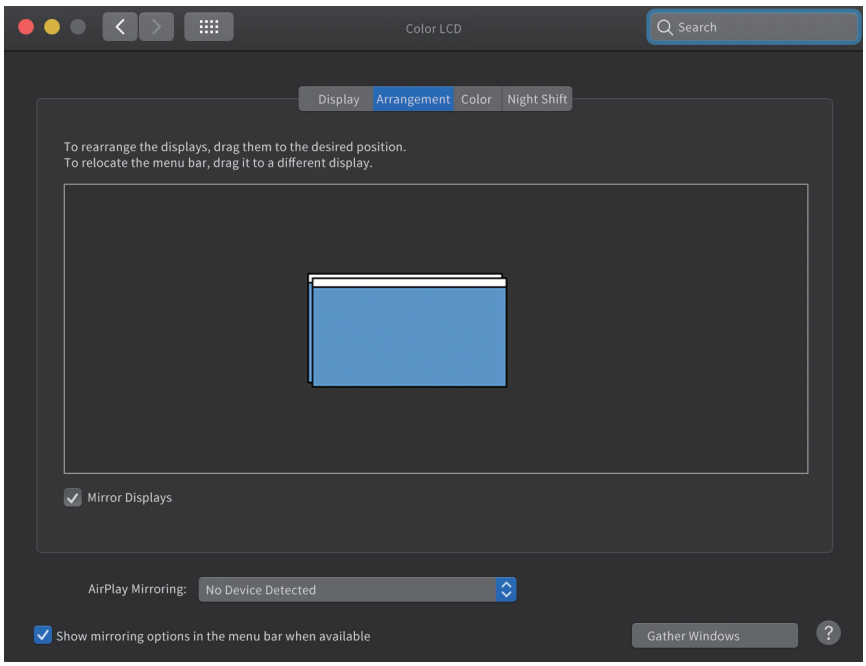
1. Select “**System Preferences**” and choose “**Displays**”.

2. Click on “**Arrangement**” to change the position of displays currently connected.



Extend Mode

3. Select either extend or mirror mode on your demand.



Mirror Mode

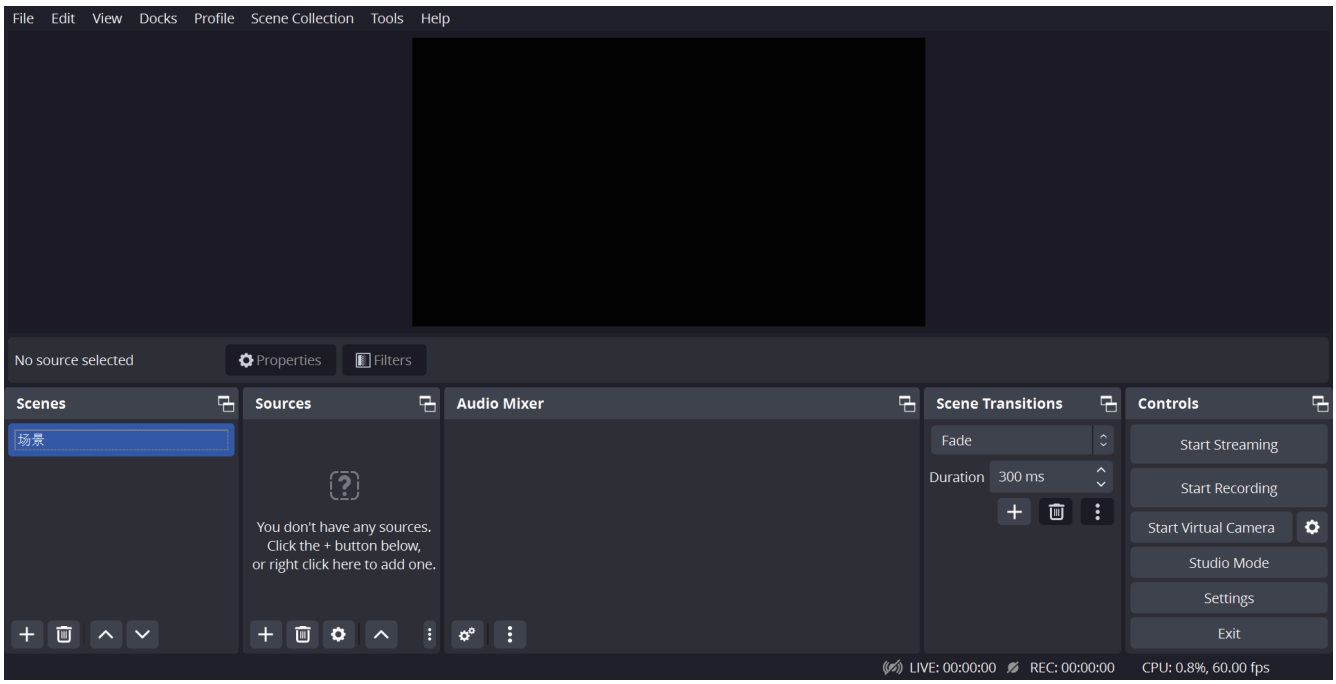
OBS Installation and Configuration

1. Before setting, please connect your devices to this Video Capture Card following How to Connect and then download the software from https://obsproject.com firstly, keep pressing "**Next**" to complete the OBS installation.
2. You can change the software language in "**Settings->General**" from the bottom right list in the screen.

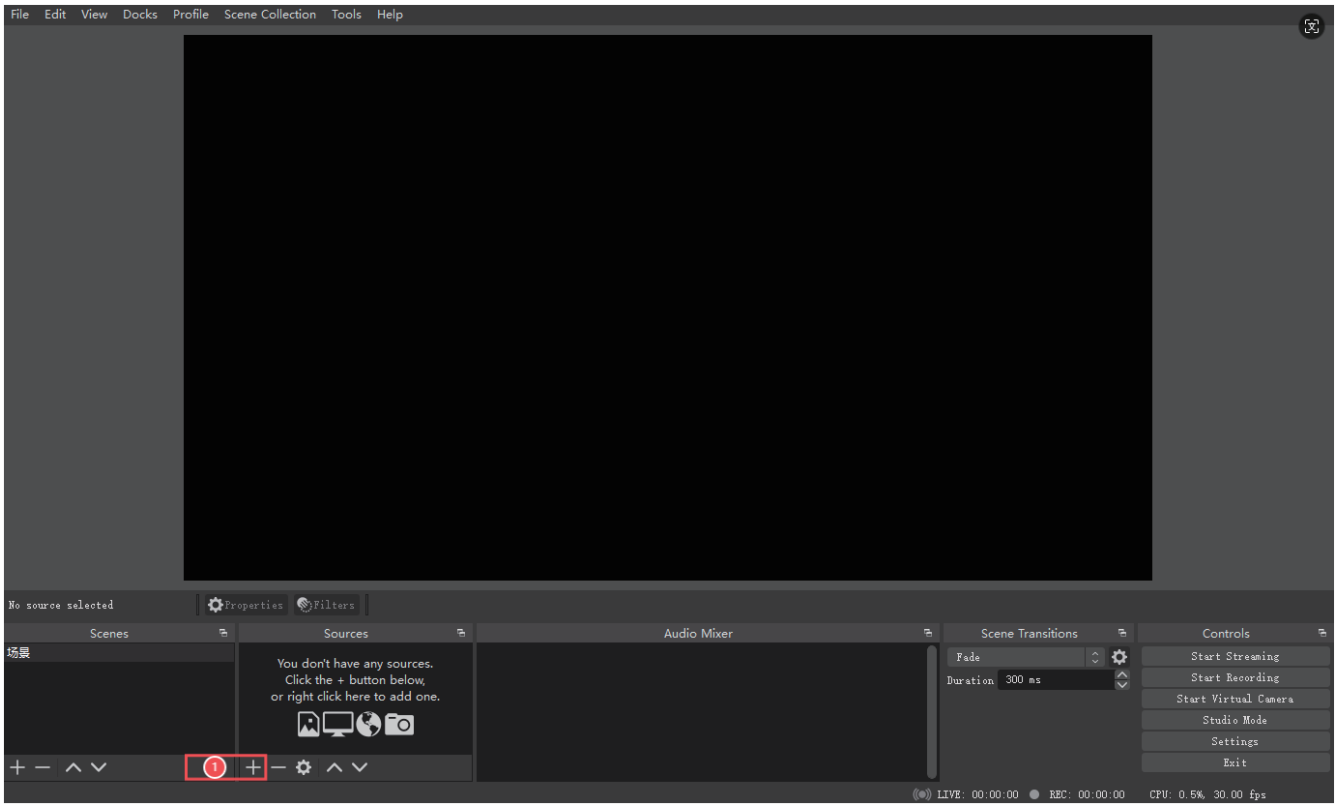
OBS Setup

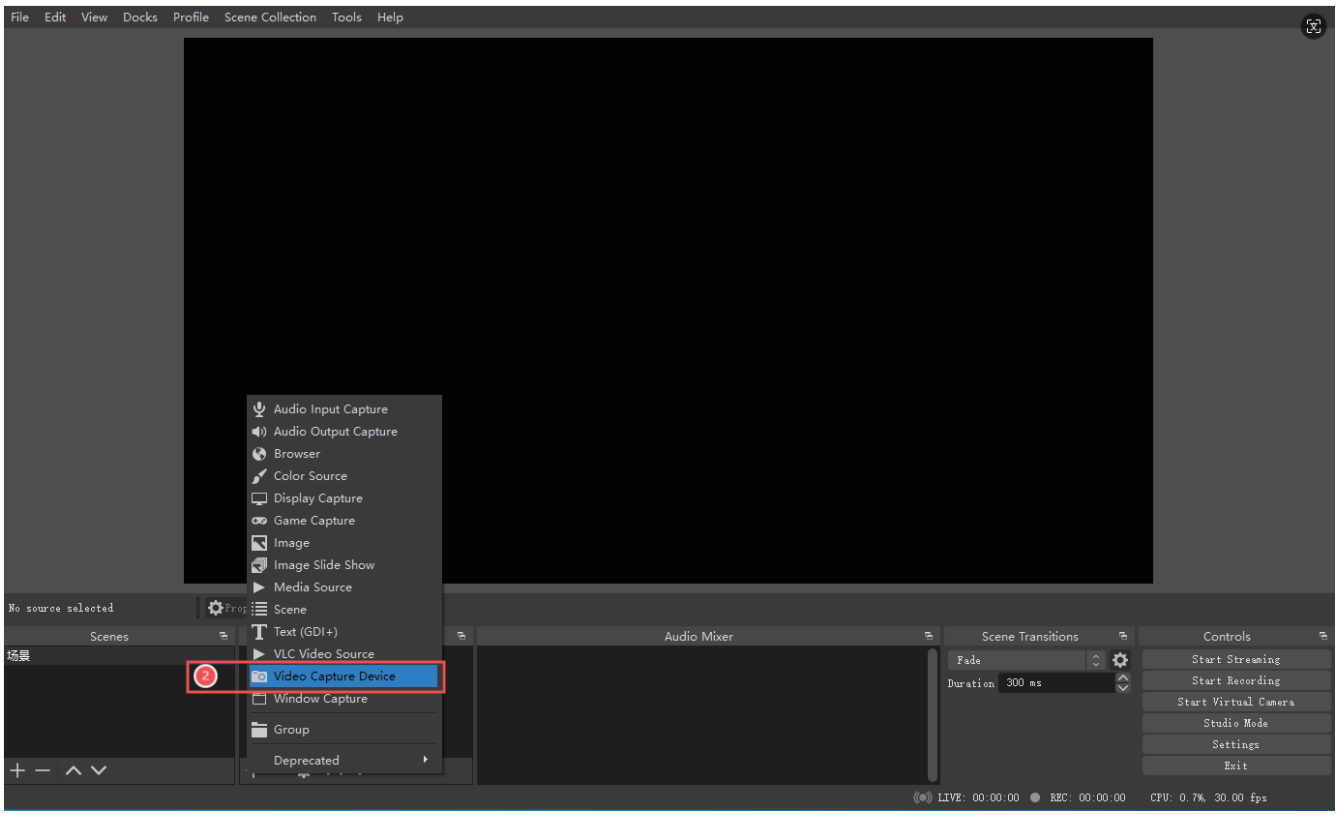
Before recording video, please ensure all the audio source has been disabled.

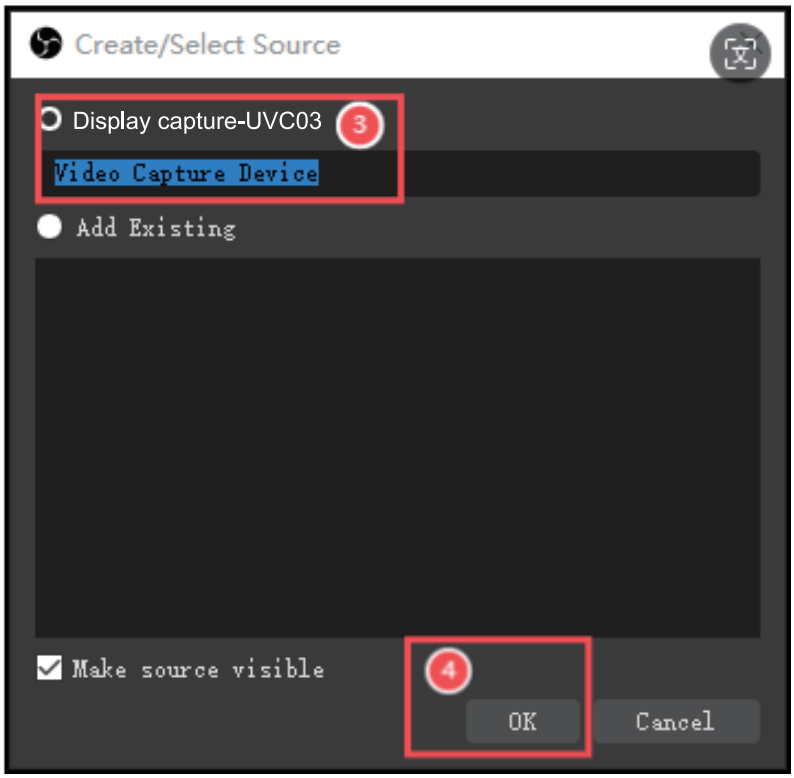
Step 1: Click OBS software icon on the desktop to enter operation interface, and add the source of video in the "**Sources**" window.



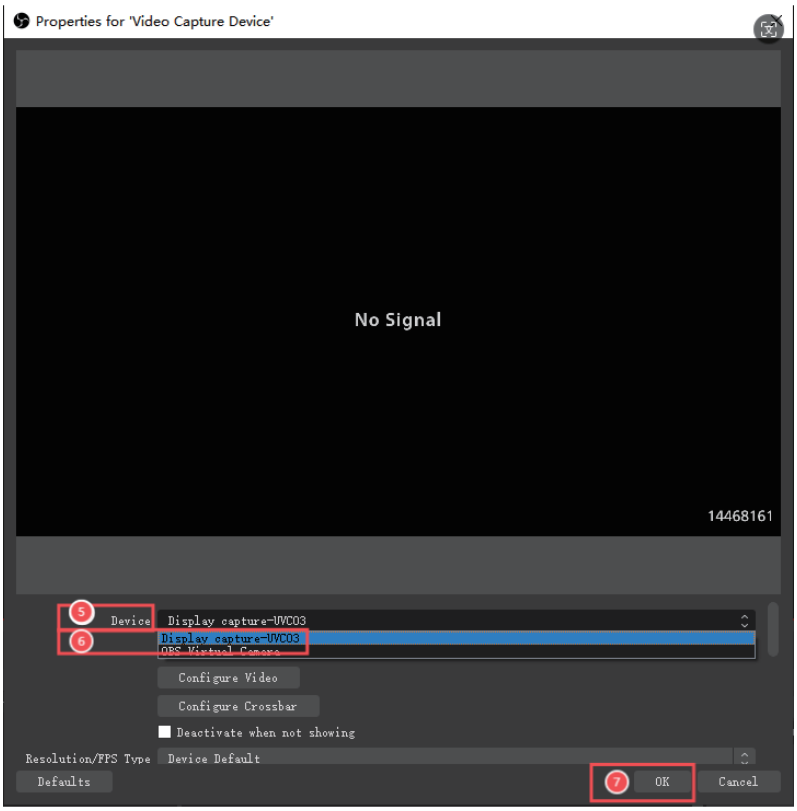
Step 2: Click "**+**" to add video source in the "**Sources**" window and choose "**Video Capture Device**", you should tick "**Create new**" and the default is "**Video Capture Device**", then click "**OK**".


File Edit View Docks Profile Scene Collection Tools Help
No source selected
Properties
Filters
Scenes
场景
Sources
You don't have any sources.
Click the + button below,
or right click here to add one.
Audio Mixer
Scene Transitions
Fade
Duration 300 ms
Controls
Start Streaming
Start Recording
Start Virtual Camera
Studio Mode
Settings
Exit
1
LIVE: 00:00:00
REC: 00:00:00
CPU: 0.5%, 30.00 fps

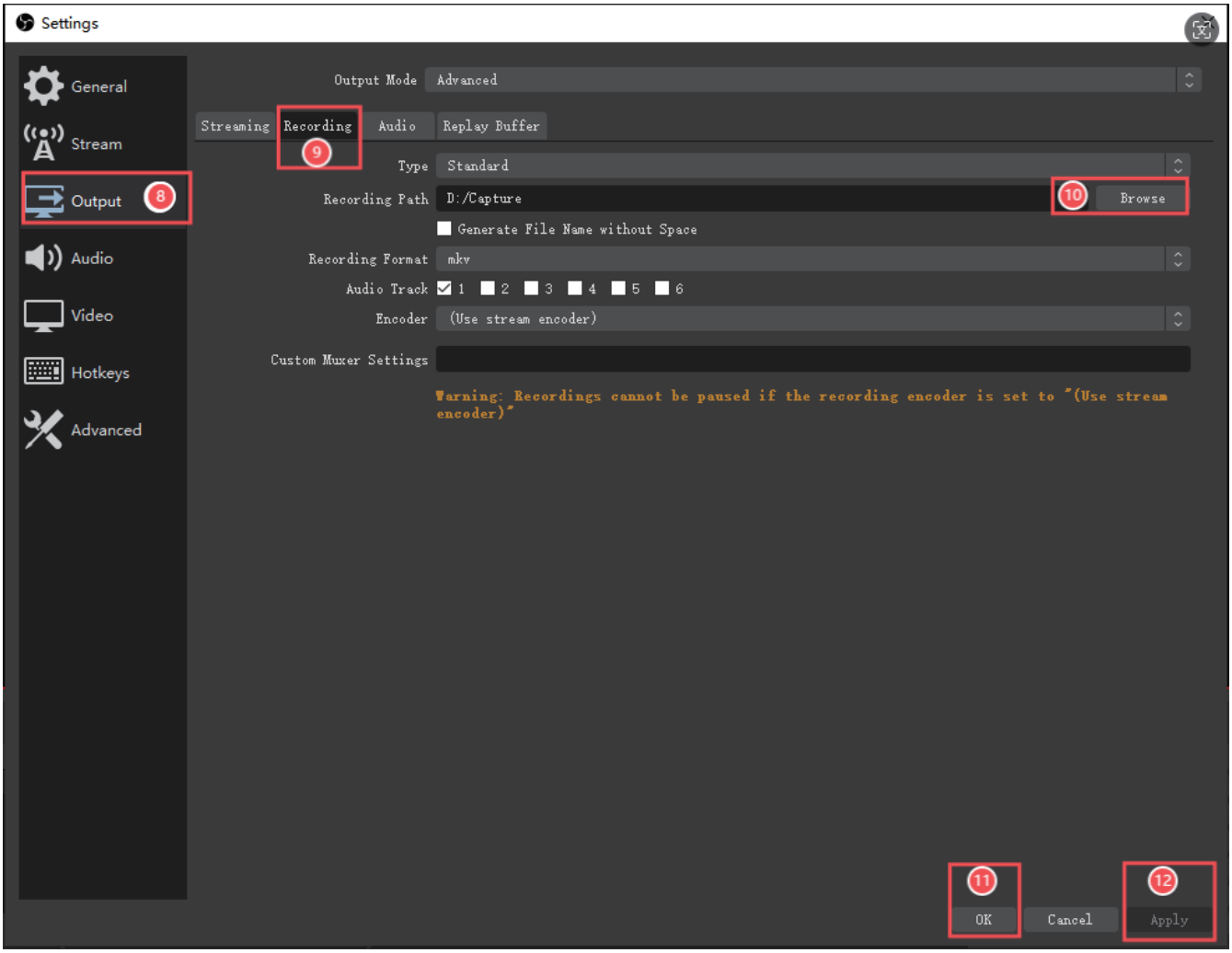

File Edit View Docks Profile Scene Collection Tools Help
Audio Input Capture
Audio Output Capture
Browser
Color Source
Display Capture
Game Capture
Image
Image Slide Show
Media Source
Scene
Text (GDI+)
VLC Video Source
Video Capture Device
Window Capture
Group
Deprecated
2
No source selected
Scenes
场景
Audio Mixer
Scene Transitions
Fade
Duration 300 ms
Controls
Start Streaming
Start Recording
Start Virtual Camera
Studio Mode
Settings
Exit
LIVE: 00:00:00
REC: 00:00:00
CPU: 0.7%, 30.00 fps



Step 3: Select “**Display capture-UVC03**” in “**Device**”, then click“**OK**” to save the setting.



Step 4: If you have need to modify the storage path of the recording video, click “**Output**” in “**Settings**”, then select “**Recording**”, and click “**Browse**” in “**Recording Path**” to change the recording path for your file, finally click “**OK**” and “**Apply**” to save the settings.



FAQ

Q1: Does this video capture card require a driver to be installed?

A1: This video capture card does not require any external driver, so there is no need to install the driver.

Q2: Why is there no video output after connecting the USB-C host and monitor?

A2:

1.Please check that the HDMI IN and USB-C host firstly are both connected, it is noted that the HDMI IN captures the video when the HDMI IN and USB-C host are connected simultaneously.

2.Please check that the USB-C host is a USB-C laptop with "DP Alternate Mode" (Alt Mode).

3.Please check that the monitor is connected properly.

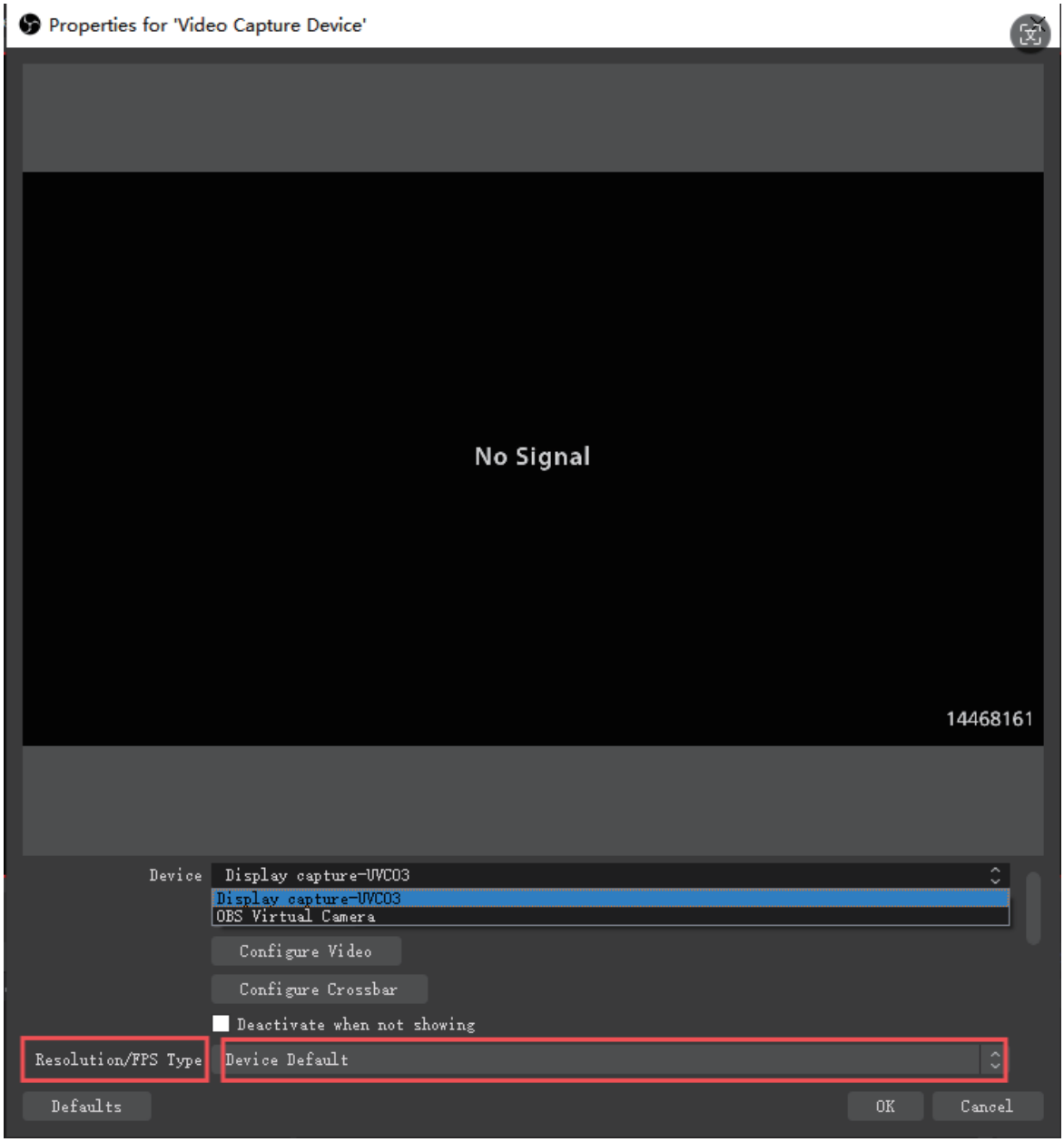
4.Please check if DP, PD and Video are connected at the same time, if so, PD and Video will only work to power the capture card and DP will output video.

Q3: Why can't Android Phones and Tablets be recognized when they are used as video sources?

A3: Please ensure your Android Phone or Tablet supports DP Alternate Mode(Alt Mode).

Q4. Why do I choose 4K resolution in the OBS software, but it shows “Not support”?

A4: Please ensure whether your HDMI output devices supports 4K display, if not, you may need to change the resolution setting from “**Device Default**” to “**Custom**” in “**Resolution/FPS Type**”, and adjust the resolution to “**1920*1080**”.



Need help?

We're here for you!

Online support: wavlink.com
Available Mon-Fri 8:30 am-5:30pm (UTC+8)

support@wavlink.com
Available Mon-Fri 8:30 am-5:30pm (UTC+8)

+1 8889730883 (US Local)
Mon-Fri 9:00 am - 10:00 pm (UTC-5)

www.wavlink.com

Thank you for purchasing WAVLINK product!