

4-Channel HDMI Built-in Video Capture Card



User Manual

AC4-HDMI Plus

Security instructions

1. Please follow all instructions and warnings.
2. Do not use the product in wet or near water.
3. Unplug the product before cleaning.
4. Please use the product in a ventilated environment and do not block the ventilation holes.
5. Please use the power supply within the rated voltage range.
6. Please unplug the power supply when it is thunder or not used for a long time.
7. If you need maintenance, please contact qualified maintenance personnel, do not disassemble it privately.
8. Please use the accessories or parts specified by the manufacturer.
9. Do not disassemble or modify the product in any way.
10. Please use the product in the temperature range of 0-40°C.

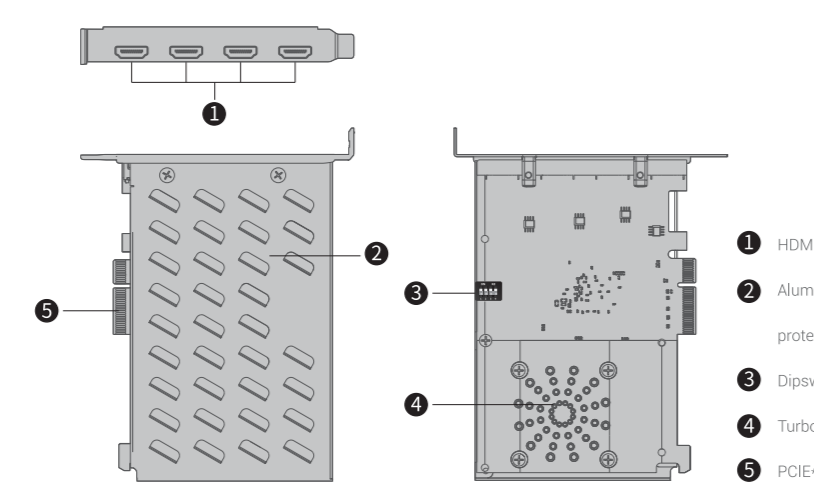
Product Introduction

1. 4-Channel PCIe video capture card supports 4-way HDMI interface capture at the same time, long working hours to transmit a stable and clear picture, fully compatible with mainstream applications, effective de-interlacing more detailed picture.
2. 4-way HDMI video signal input
3. Support 1080P input video signal (compatible with 1080P resolution)
4. Support HDMI 2.0 transmission bandwidth
5. Advanced intelligent auto exposure, PGM, 4Kk, stereo sound
6. Video capture by the capture card processing does not take up the host CPU
7. Professional torchon fan, wind mechanics turbo air ducts, strong silent cooling
8. Support a machine with multiple cards, (normally set the channel code)

Specifications

Name	4CH HDMI Built-in Video Capture Card
Model	AC-4HDMI Plus
Host Interface	PCI-E 16/16Gbps Transmission bandwidth
Video Input	4x HDMI input
Audio Capture	4x Analog PCM audio signal
Input Format	4K/1080P
Output Color Space	YUV420
Input Resolution	Any resolution within 1080P
Hardware	Support 1080P hardware de-interlacing, 3D noise reduction
Deinterlacing	Algorithm: change picture
Operating System	Windows 10/11/2019/2016 support 32bit/64bit
Compatible	Windows Media Encoder/Adobe Flash Media/Windows VMX/VMware
Software	Encore
Live Streaming Platform	QQ, open source live broadcast software, Shake, Shufun, Douyu, YY
Development	DirectShow(Windows) standard interface
Power Consumption	<15W
Operating Temperature Range	0-45°C
Storage Temperature Range	20-70°C
Storage Humidity Range	30-90%

Product Interfaces

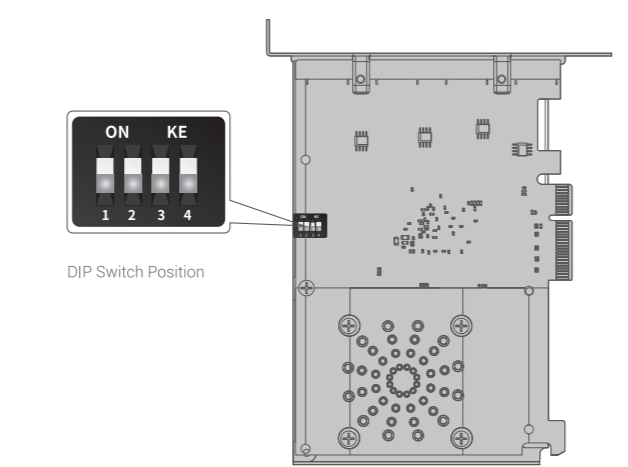


Hardware and Software Requirements

**Hardware**  
Your PC requires at least 4GB of RAM to efficiently process video.

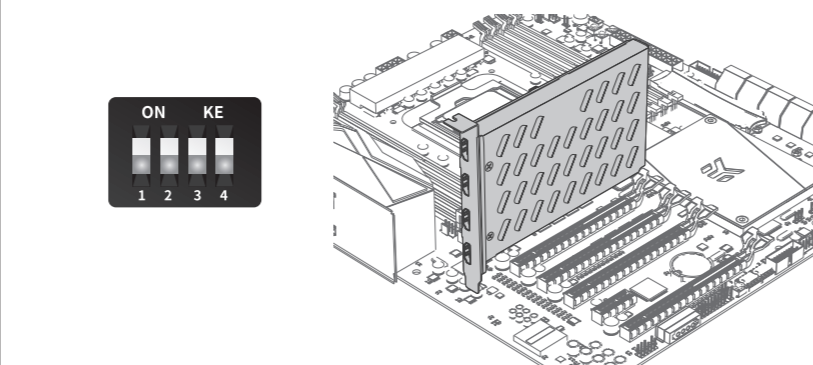
**Software**  
Windows system  
Desktop Video will only run on 64-bit versions of Windows 10 and 11 computers with the latest Windows updates.  
Linux systems  
Desktop Video supports 32-bit and 64-bit x86 Linux 2.6.23 or computers with higher versions of the Linux operating system. For details on support for the latest Linux versions, package formats and software dependencies, please follow the release notes on the official website.

4-Channel capture cards support multiple PCIe capture cards installed in the same PC host, and the capture card body with a dip switch, adjust the dip position to achieve the simultaneous work of multiple cards.



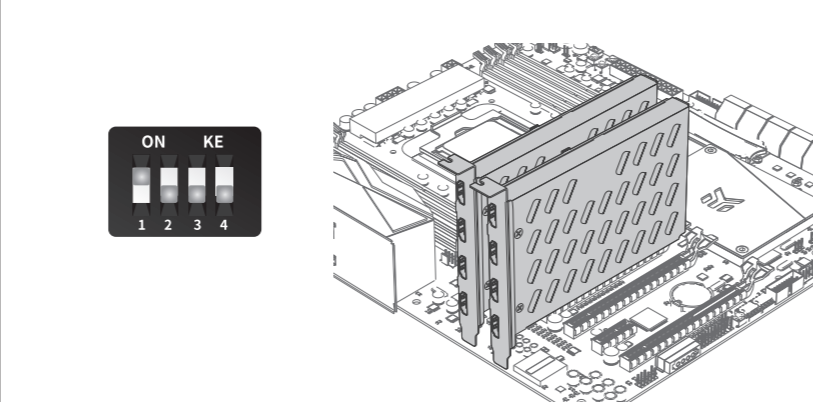
Introduction to the use of dip switches

1. One-card mode  
Dialing position: 1, 2, 3, 4 switches all dialed to the digital direction



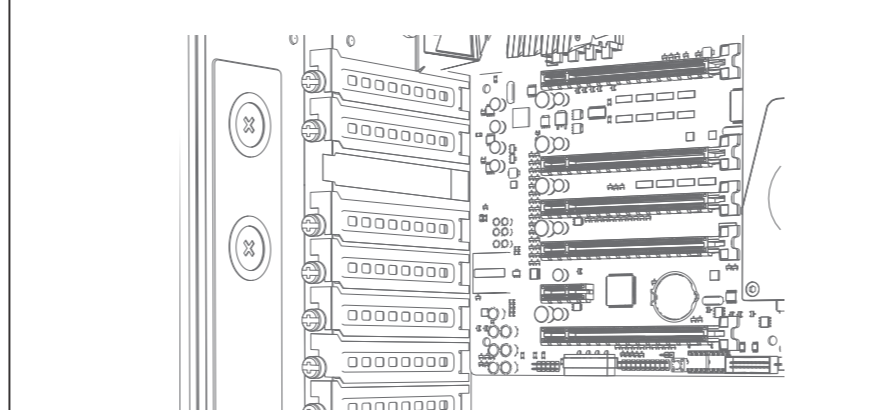
Two-card mode

1. switch dialled to ON
- 2, 3, 4 switches all dialled to digital direction

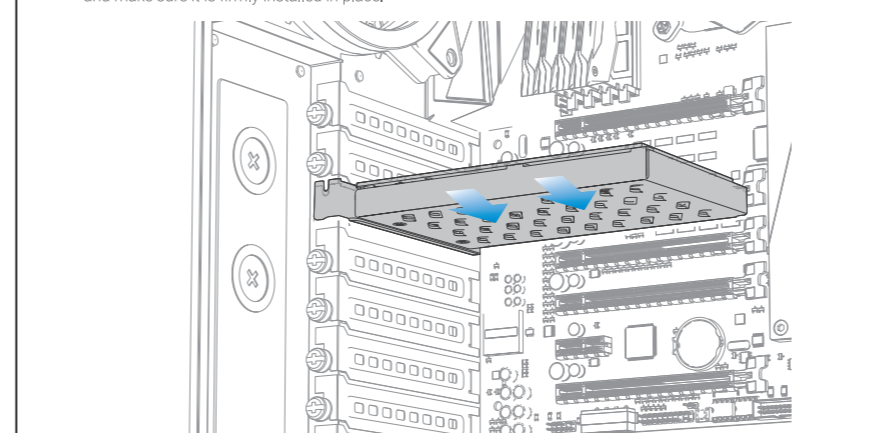


Product Installation

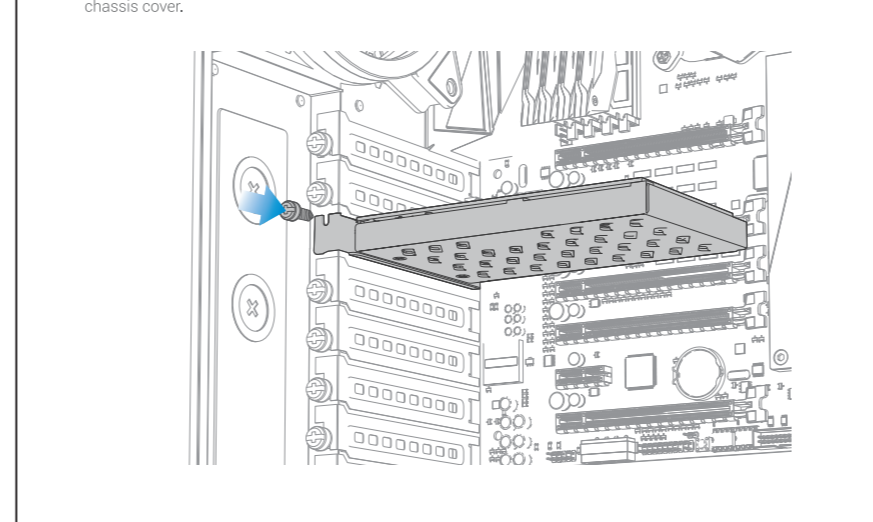
1. Disconnect the power of the PC mainframe and open the mainframe chassis



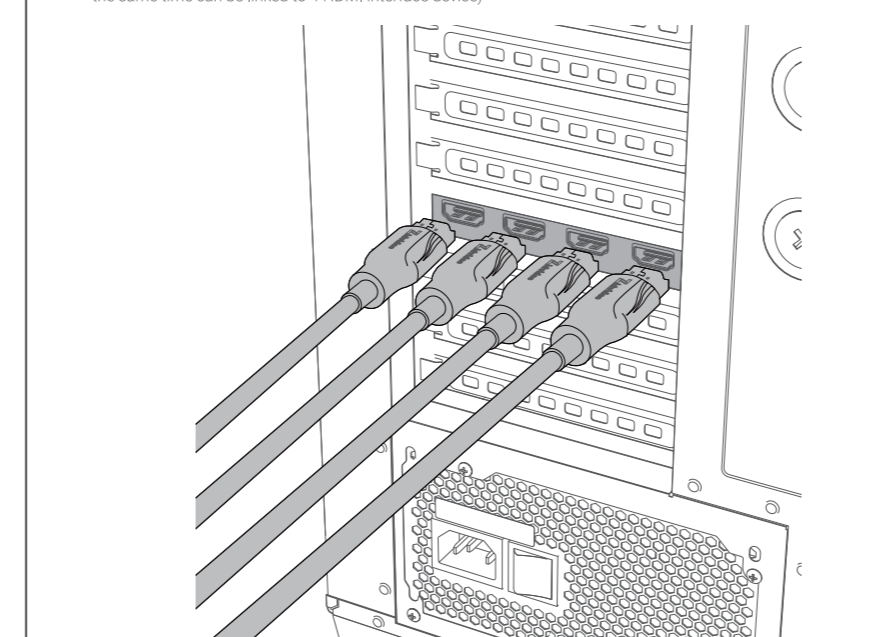
1. One-card mode



2. Apply fixing screws to secure the PCIe capture card to the mainframe chassis and install it back into the chassis covers.



4. The signal source (HDMI interface device) connected to the PCIe capture card interface and start the PC (and if the same time can be fixed to a HDMI interface device)

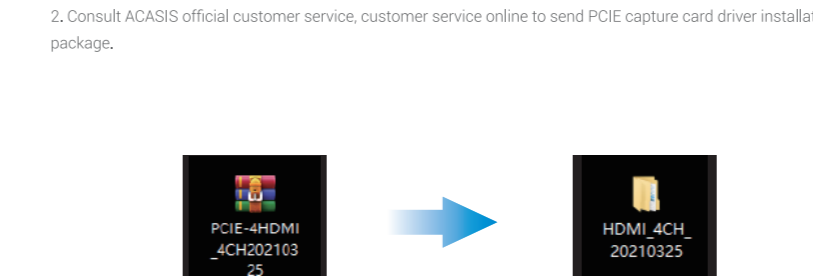


Driver installation (Windows system for example)

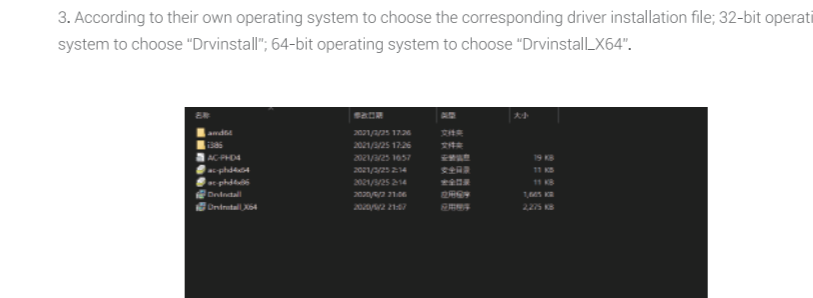
1. PC Open "My Computer", click the right mouse button and select "Properties" to view the system type, confirm that your operating system is 64-bit or 32-bit.



2. Contact ACASIS official customer service, customer service online to send PCIe capture card driver installation package.



3. According to their own operating system to choose the corresponding driver installation file: 32-bit operating system to choose "32bit", 64-bit operating system to choose "64bit".

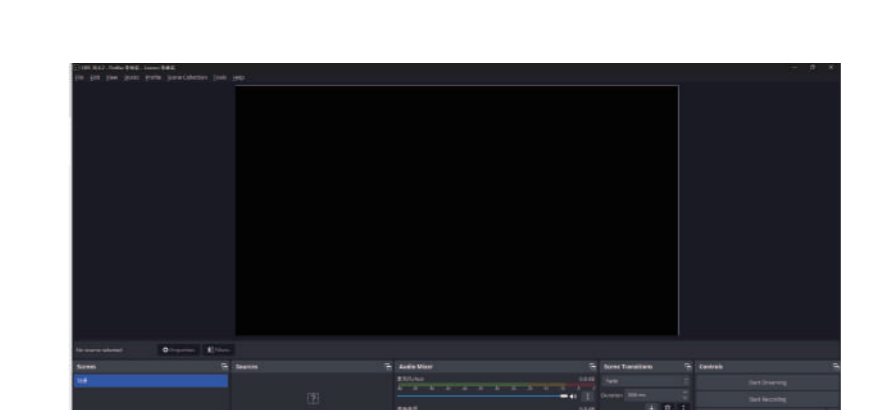


4. After clicking the driver installation file, a pop-up window will show "Number of video capture cards found: 1", which means that the capture card has been recognized, click the "Install" button to complete the driver installation.

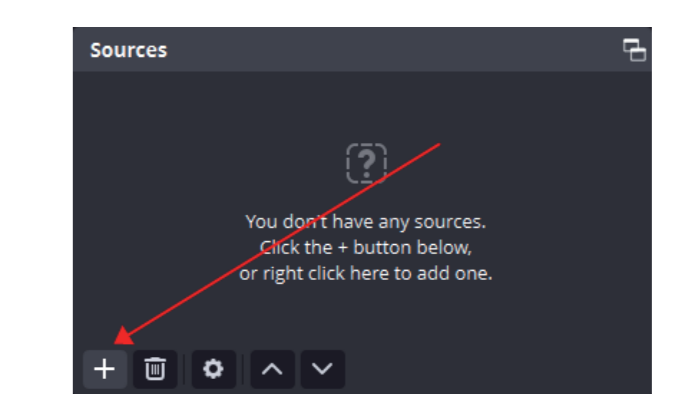


Introduction to the use of third-party software

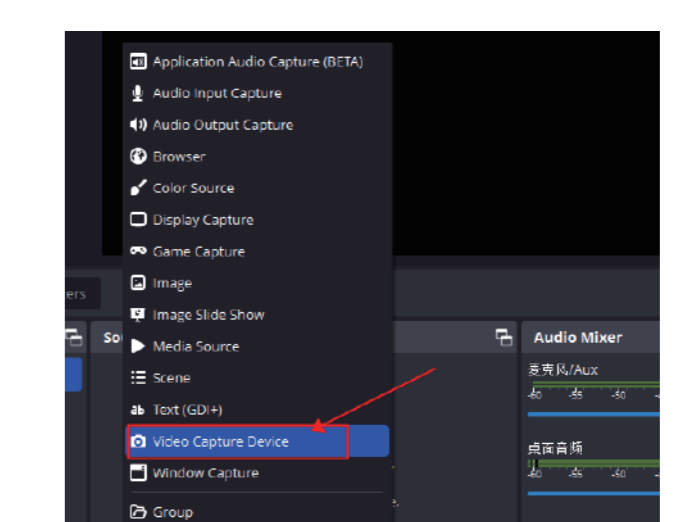
1. 4-Channel capture card using the standard AV Stream driver, compatible with the use of Directshow interface of a variety of audio and video capture software, OBS software as a demonstration example.
1. Open the OBS software and enter the main interface.



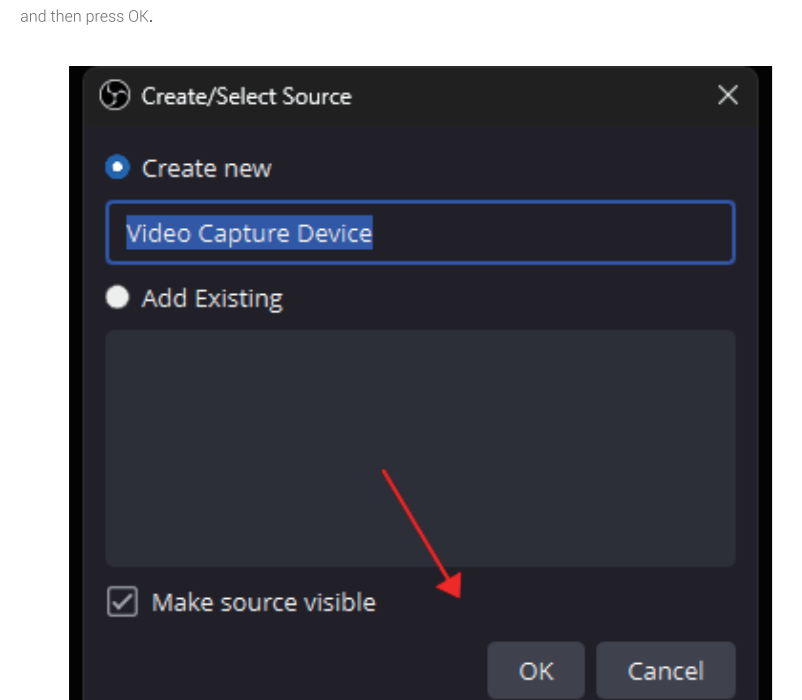
2. Click on the "+" sign in the source as shown in the figure.



3. As shown in the figure, select "Video Capture Device".

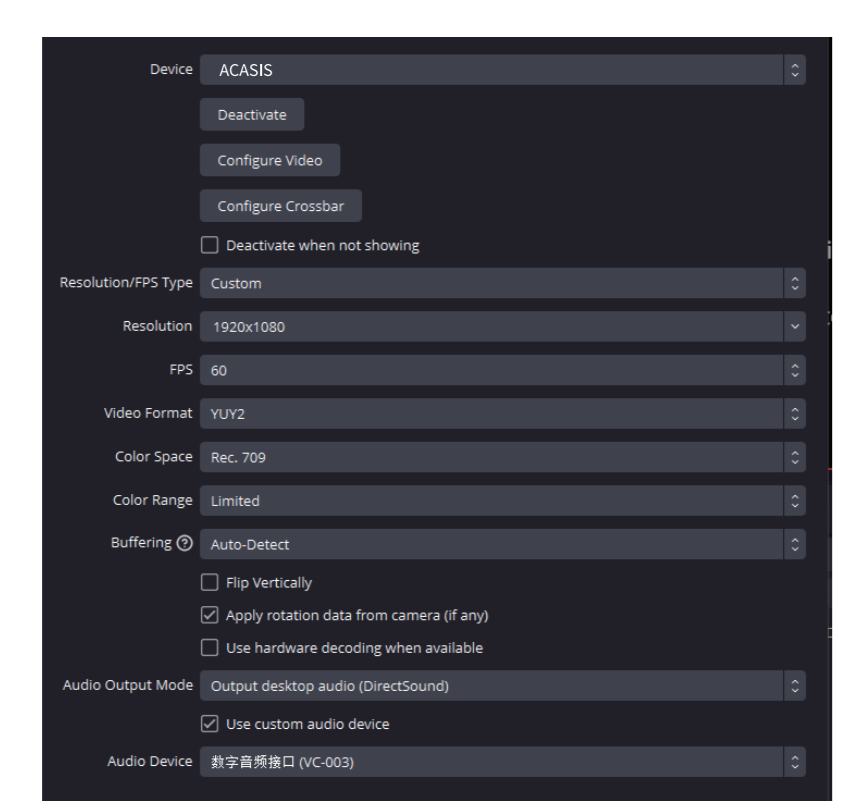


4. In the pop-up window, under "Name", change the name of the signal source, such as "Channel 1", "Channel 2", and then press OK.



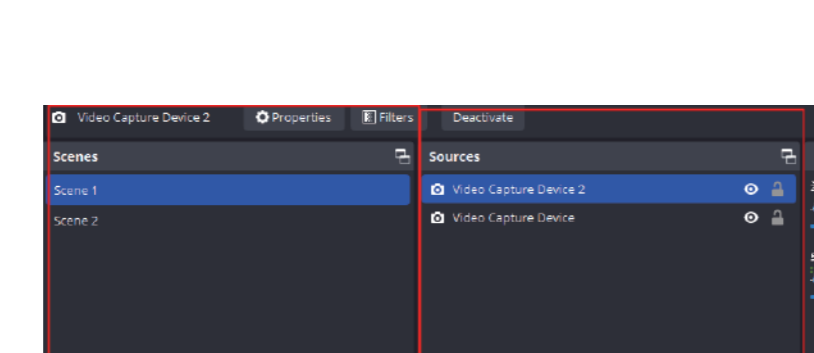
5. In the equipment column, select the corresponding position such as "position 1", "position 2" to determine the signal source.

Select "Custom" for resolution/frame rate type, and set the resolution (up to 1920x1080) and FPS (up to 60Hz) according to your needs, select the corresponding camera position such as "camera 1" and "camera 2" for audio equipment, "Position 2" do not need audio equipment, and finally click the OK button.



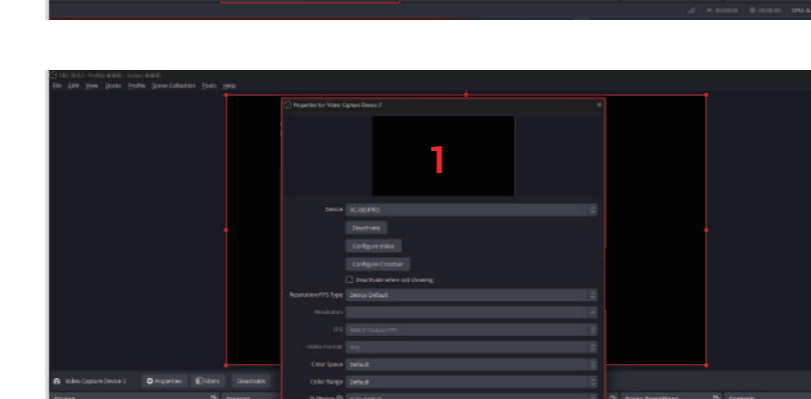
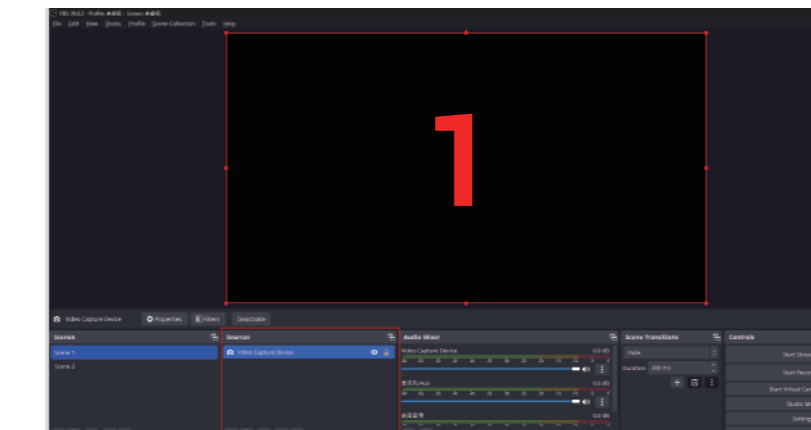
Introduction to the use of third-party software for multi-camera

When you need to select multi-camera or picture-in-picture mode take OBS software as a demo example, the operation steps are as follows:  
1. Source mode  
1) Select "Source" and click the "+" sign to add a new source, such as "Source 1" and "Source 2". Can be switched at will.  
2) Select the new source, click on the right side of the "source" click on the "+" sign, add a new source of the camera position, such as "camera 2" and "camera 2".



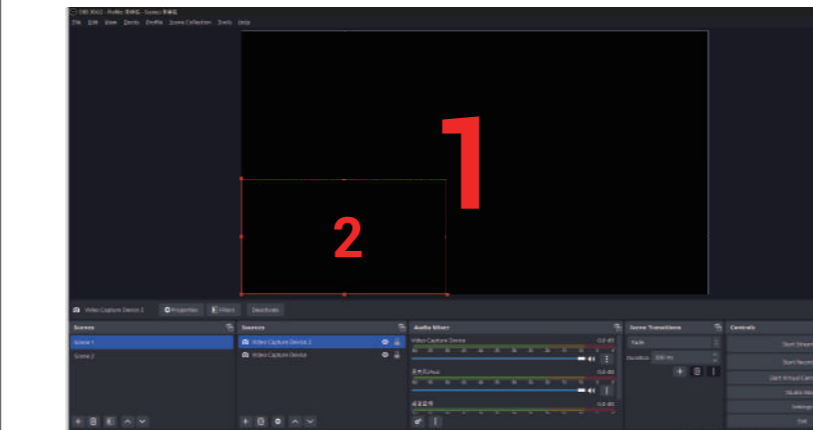
2. Picture-in-picture mode

- 1) On the basis of the picture mode, select "Source" and click the "+" sign to add multiple new video capture devices, such as "Video Capture Device 1".

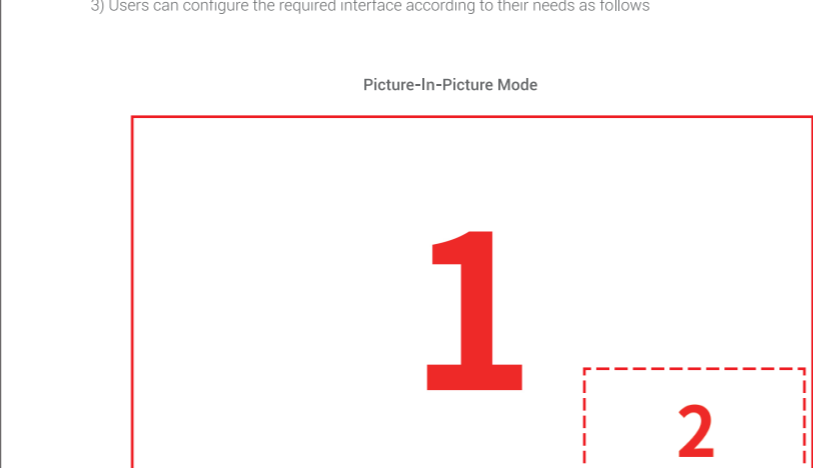


2. The new video capture device, such as "Video Capture Device 2" will overwrite the previous video capture device, such as "Video Capture Device 1".

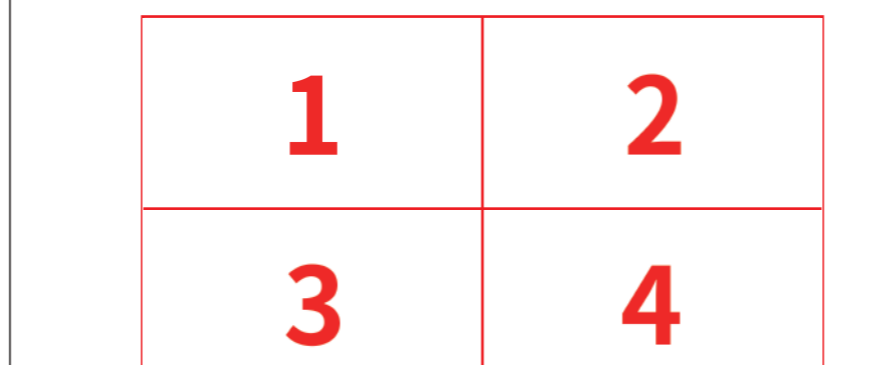
Select the overlapping video capture device to adjust the screen size and position to achieve the picture-in-picture effect.



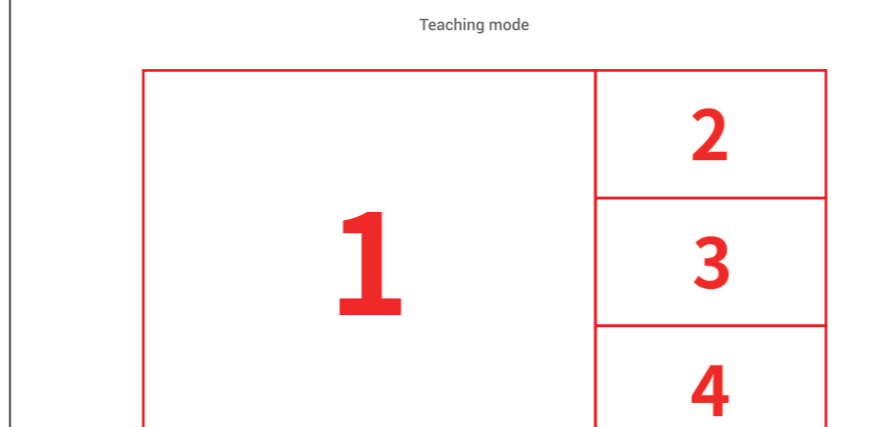
Users can configure the required interface according to their needs as follows:



Mode of meeting



Teaching mode



Tips

1. The main function of the capture card is to enable your device's picture and sound to be output to the computer for use, and to enable the device to output higher resolution and frame rate (based on the highest resolution your device can output and the highest resolution supported by the capture card).
2. Please confirm whether the computer has an interface that meets the requirements of the acquisition card.
3. The acquisition card is recommended to collect pictures and sounds after the wiring is completed.
4. After a period of use, the collection card has been, which is a normal phenomenon of electronic products, please do not worry about the use of problems.
5. The product itself has certain technical characteristics. If the operation fails according to the instruction manual or there is any problem with the use, you can contact the customer service at the purchasing shop, we will arrange technical 24-hour service and remote debugging.

Cautions

- Please avoid use in high temperature, low temperature, wet, dusty and long-term exposure to sunlight.
- Do not open the product in an environment with corrosive substances, and do not use other chemical solutions to clean the product.
- Keep the product out of reach of children and do not allow children to use the product unsupervised.
- Do not disassemble or repair the products and accessories without authorization.
- Gently clean the product with a dry cloth.

Fitting requirement

- Use of unauthorized or incompatible power supplies, accessories that may cause fire, explosion or other hazards.
- Only accessories approved by the equipment manufacturer and compatible with the model can be used.
- If you need approved accessories, please contact customer service.

Environmental protection

- Do not dispose of the equipment and its accessories as ordinary household garbage.
- Please comply with local law governing the disposal of this device and its accessories and support recycling.

Support

If you have any questions, please contact our customer support: support@acasis.com.

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