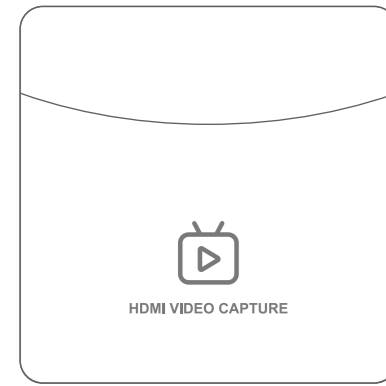


HDMI Video Capture Card



User Manual

VC-003

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Thank you for using this product, please read this manual carefully before use, to obtain the correct use and storage, we hope you have a pleasant experience.

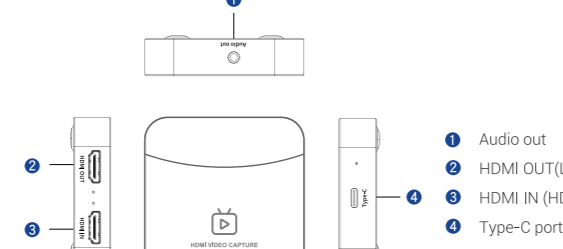
Tips

1. VC003 video capture card needs to be connected to the USB 3.0 or above interface of the computer and connected to the corresponding port of the capture card.
2. If you encounter any problems during use, please feel free to contact the following email address: service@vangreenet. We will answer your questions within 12 hours.
3. You can also check out a series of instructional (how-to) videos at "www.vangreenet.net".

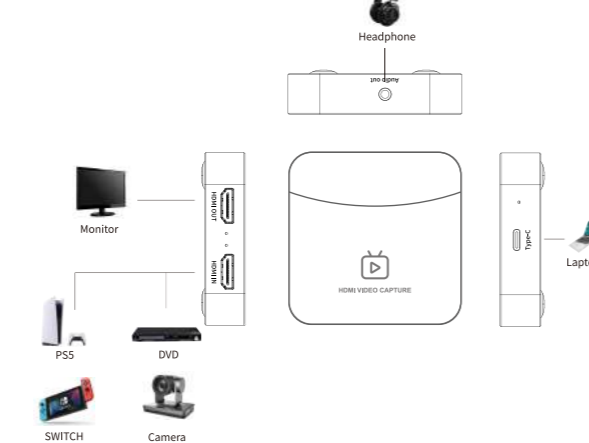
Product Introduction

- Support input 4K@30Hz downward HDMI video signal.
- Supports the downward HDMI video signal at 4K@30Hz.
- USB capture 1080P@60Hz and down parameter.
- Aluminum alloy material + acrylic patch, heat dissipation is more portable.
- Audio audio output.
- Support common standard-resolution video formats
- Support Windows 7/8/10/11 Vista, Linux, MacOs10.3 or above system.

Interface Introduction

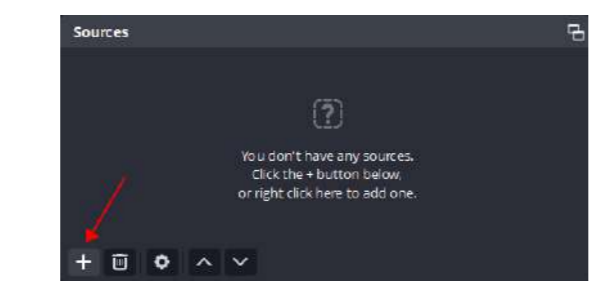


Product Connection Diagram

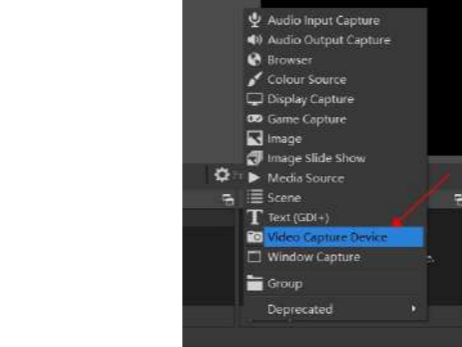


Product Instruction

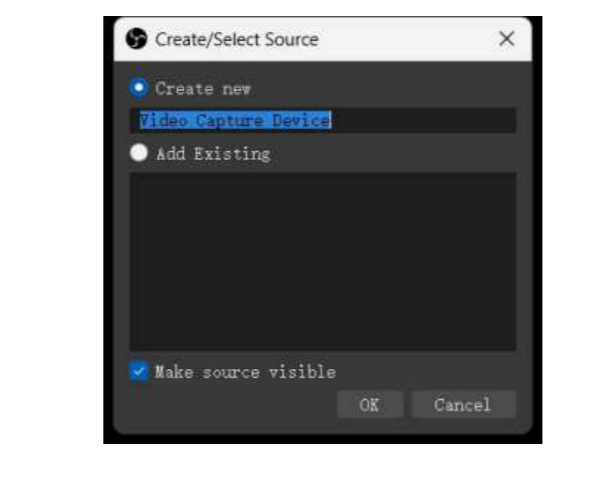
- (1) Capture Settings for OBS Software in Windows system.
 1. Open the OBS software screen
 2. Click on Sources +



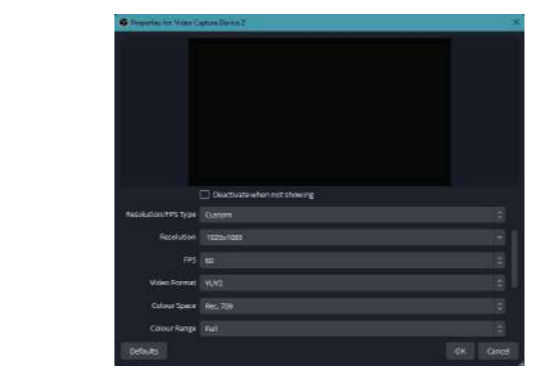
③ Then select the "Video Capture Device"



④ You can create a new source or select an existing device name, and then click "OK" at the bottom.

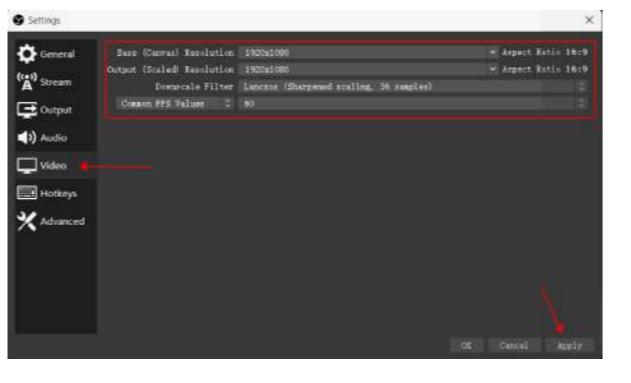
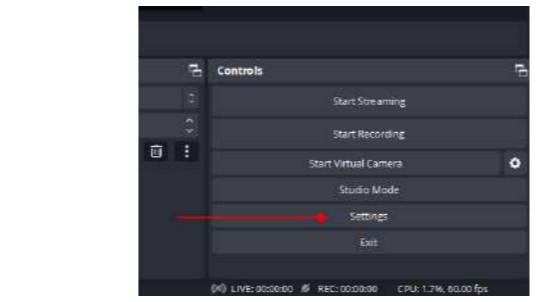


⑤ Then open the properties for "video capture device", select "custom" for resolution/FPS. Type: "1920*1080" for resolution, "60" for FPS, "UYVY" for video format, "REC709" for color space, and "Full" for color range. Finally, select "OK" to save the Settings.



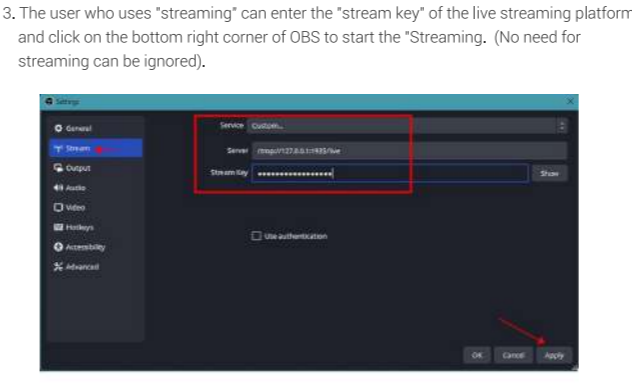
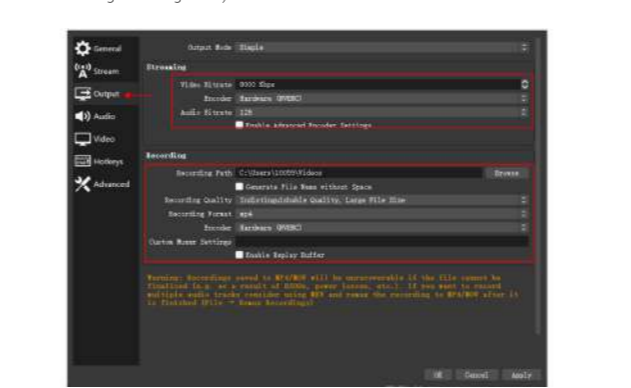
(2) Suggested parameters for recording video by OBS software (no need to set if not record video)

- ① Find "Settings" in the lower right corner of the software page, select "video", select "1920*1080" for Base (Canvas) Resolution, and select "1920*1080" for Output (Scaled) Resolution, Select "Lanczos (Sharpened scaling, 36 samples)" for Downscale Filter, Select "60" for Common FPS Values.



② For the user who uses "Streaming", please click "Output" to set the "8000 Kbps" for Video Bitrate, "Hardware (NVENC)" for Encoder, "128" for Audio Bitrate.

2. For "Recording" users, the recording path & recording quality (affecting the screen quality) can be set, "Indistinguishable Quality, Large File Size" for Recording Quality, "MP4" for Recording Format, which is more compatible with more players and APP video software. Finally, "Hardware (NVENC)" for Encoder (No need for live streaming and recording can be ignored)

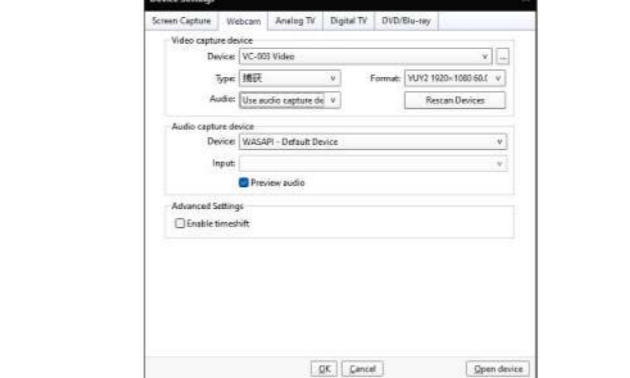


(3) Windows POTPLAYER software setting parameters (with OBS software can only choose one)

- ① Open "DaumPotPlayer", click "PotPlayer" in the upper left corner, select "Open", and select "Device Settings";

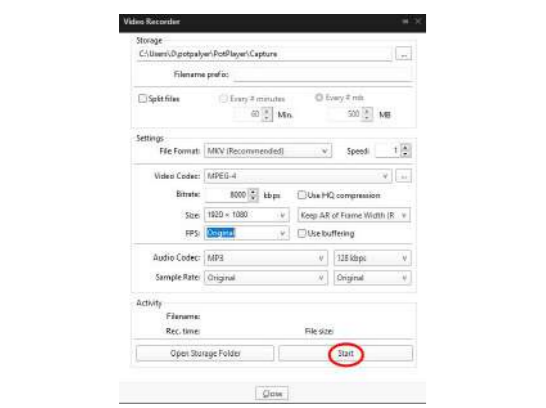
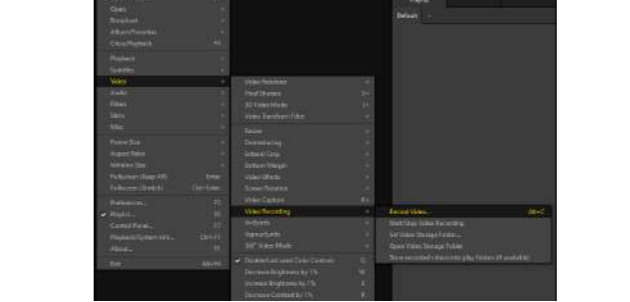


② After selection, enter the "property setting", select "Webcam", select the corresponding property in the list, and the format can be freely selected according to user needs, as shown in the figure:

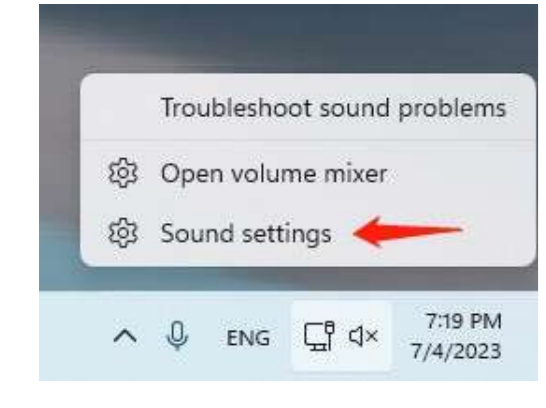


(4) Suggested parameters for recording video by POTPLAYER software (no need to set if no recorded video)

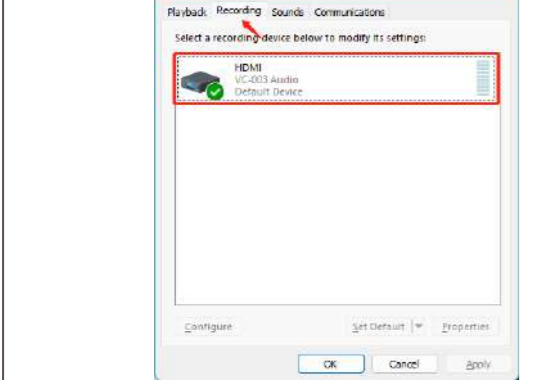
- ① Users who need to record can select "PotPlayer", select "video", select "video recording", and "record video"; then select the corresponding properties according to the needs of users, and click Start, As the picture shows:



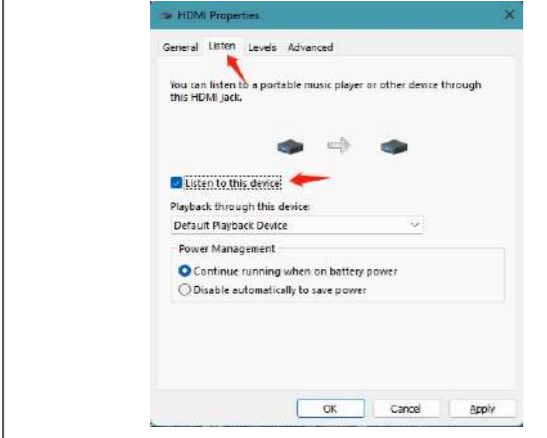
(5) Sound capture method of capture card in Windows system
① Right-click the small speaker icon in the lower right corner of the computer desktop, click "sound properties"



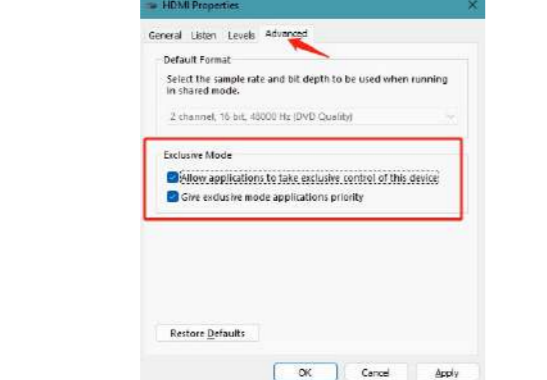
② Click "Recording", and then right-click the "VC-003 audio" properties



③ Select "Listen", "listen to this device" by ticking.

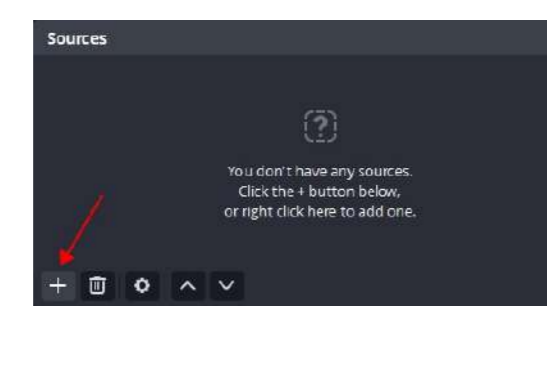


④ Click "Advanced" to check whether the "exclusive mode" is ticked, which needs to be ticked.

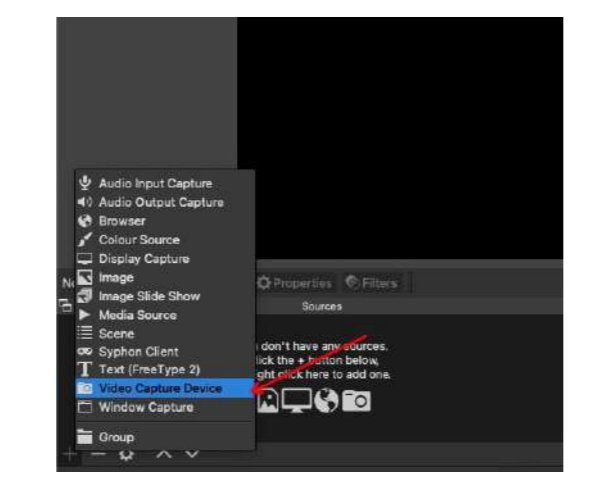


(6) Capture Settings for OBS Software in the MAC system.

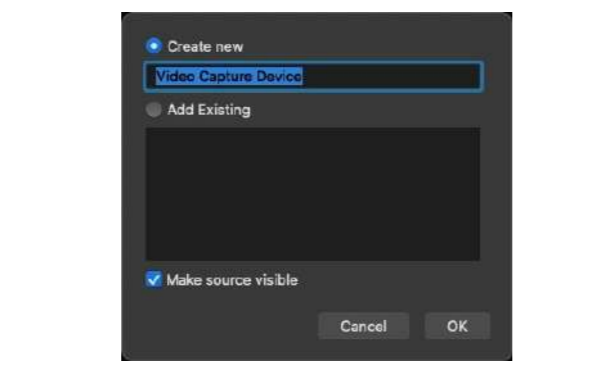
- ① Open the OBS software screen
- ② Click on Sources +



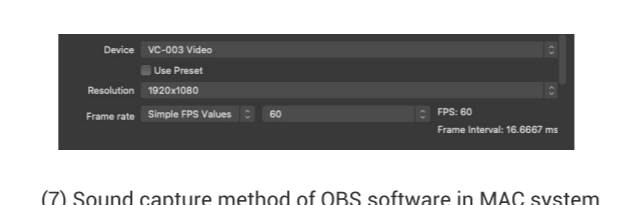
⑤ Then select the "Video Capture Device"



④ You can create a new source or select an existing device name, and then click "OK" at the bottom.

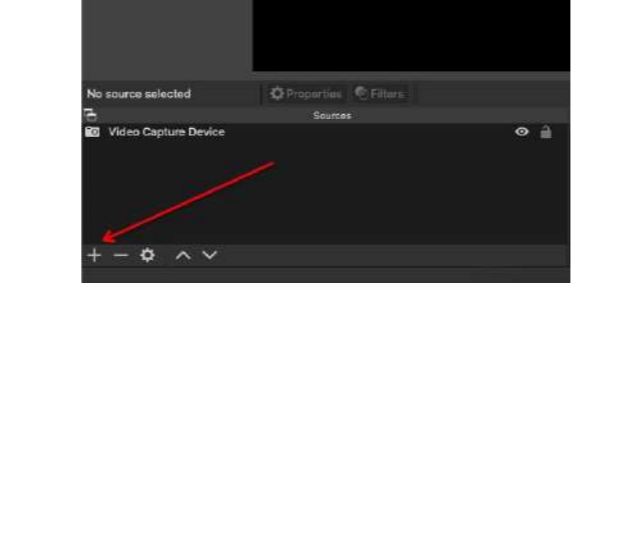


⑥ Then a corresponding attribute parameter table will be created. We need to unlock "use preset", set the "resolution" to "1920*1080", and set "frame rate" to "simple FPS Values", set "FPS" to 60.

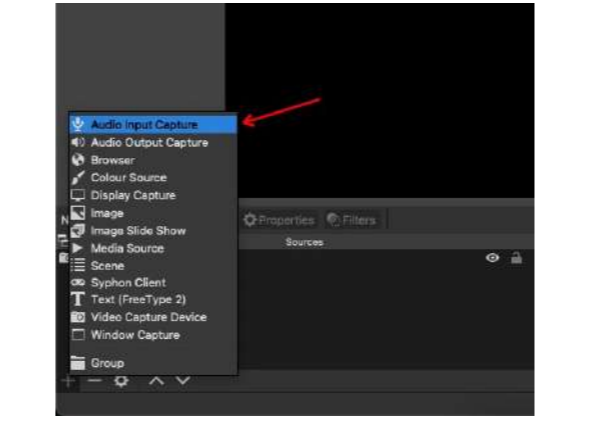


(7) Sound capture method of OBS software in MAC system

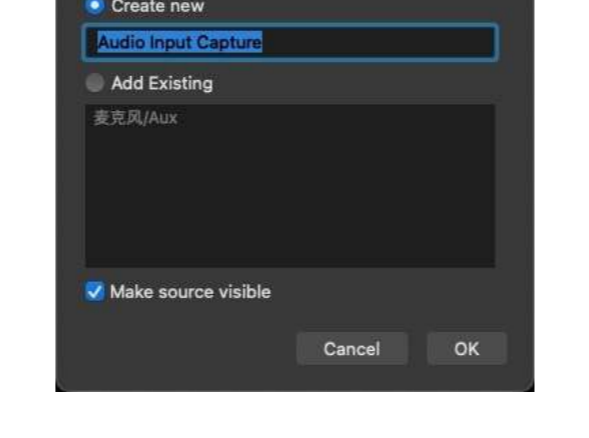
- ① Click on Sources +



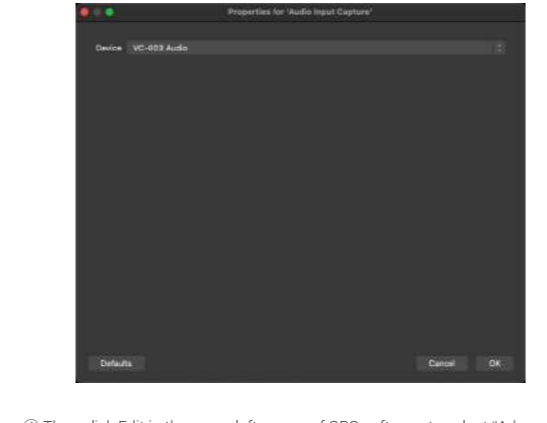
⑦ Then select "Audio Input Capture"



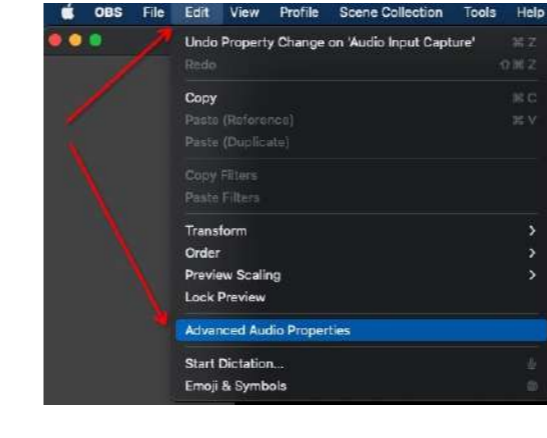
⑧ Then click Edit in the upper left corner of OBS software to select "Advanced Audio Properties"



⑧ Then select the name of the device "VC-003 Audio"



⑨ Then click Edit in the upper left corner of OBS software to select "Advanced Audio Properties"



⑨ Then select "Monitor Only" in Audio Monitoring



Frequently asked questions & answers

What should I do if I get a rainbow screen/dazzling monitor ?

1. Check whether the device is started normally and set the HDMI output, then re-capture the screen.
2. If the device has an HDCP function, please turn off HDCP function first and then re-capture the screen.
3. Confirm that the device can output HDMI signal (for example, the HDMI of some old cameras can only display videos/photos taken and cannot output the camera lens).

Screen successfully captured, but no sound ?

1. In the Windows system, check "Sound settings" -> "Recording" -> "Properties" -> "Listen", if the "Listen to this device" option is not selected, select it and restart the computer/device.
2. Open "Computer Settings" -> "Privacy" -> "Microphone Privacy Privileges On" -> "Allow software (apps) to access your microphone", Done or no sound restart the computer/device.

Feel the noticeable delay ?

1. If your device is a laptop, first connect the laptop to the power supply and then connect it to the capture card.
2. If your device is a desktop computer, connect the USB port of the capture card to the USB port on the rear of the computer to capture the screen again.

The OBS software successfully captured the screen, but other software can't select the capture card ?

Capture cards can only be identified and selected by one software at a time, if multiple software is required to use the capture card, you can use the built-in PCI capture card.

The loop-out function shows the screen, but it does not capture the screen on the computer ?

1. First unplug HDMI OUT and then unplug the HDMI IN line, and then the computer re-captures the screen, and then connect the loop out after the computer captures the screen.
2. If it is a game console device, please turn off the HDCP function and restart the game console, pull the HDMI out cable, and connect the loop-out function after the computer captures the screen.

Capture card to the computer can only select 640x480 resolution?

1. The original USB cable of the capture card must be used.
2. The USB cable of the capture card should be directly connected to the computer, and the extension cable or extension cable should not be used.
3. Confirm whether the USB interface of the customer computer is USB 3.0 (The desktop computer is recommended to use the USB3.0 interface behind the computer).

The capture screen is displayed abnormally, such as a blinking or black screen ?

1. First confirm whether the wiring is loose or too tight/the resolution and frame rate of the customer input device must not be higher than the 4K@30Hz input /1080P@60Hz input supported by the capture card or below.
2. If the customer is to capture a list of computer text information, then the screen will also lead to a blinking or black screen, need to replace the usb3.0 capture card, (if unplugging/reducing the output of the device/replacing the device by the customer is abnormal, it may be the capture card's problem)

The capture card was recognized by the computer device manager but not by the capture software OBS ?

Open "Computer Settings" -> "Privacy" -> "Camera privacy privileges on" -> "Allow software(apps) to access your camera on". Return to the OBS software if it still does not recognize and restart the computer.

When using the capture card, 3.5mm audio interface has abnormal noise or no sound ?

- It is recommended to wipe the 3.5mm connector of the headset with alcohol, which may be caused by static electricity.

Support: service@vangreenet

For more information, please visit www.vangreenet