USB Capture Card

User manual

Description:

This USB capture card can collect HDMI audio and video. HDMI audio and video signals can be transmitted to the computer and smartphone for preview and storage. Suitable for high-definition acquisition, teaching recording, medical imaging, etc.

Features:

- Support input resolution up to 4K
- Support output resolution up to 1080P
- One HDMI input, One HDMI loop out, Watching and Recording
- One Microphone input
- One 3.5mm stereo output
- Support 8/10/12 bit color depth
- Support AWG26 HDMI standard cable, the maximum input transmission distance is 15 meters (1080P and below resolution)
- Support most acquisition software, such as VLC, OBS, Amcap, etc.
- Support Windows, Android and MacOS
- Complies with USB video UVC specifications
- Complies with USB audio UAC specifications
- No external power supply, compact size, easy to carry

Specification:

HDMI resolution	Maximum input support 4K
Video input format	8/10/12-bit color depth
Video output mode	MJPÉG
Video output resolution	Maximum output resolution
1080P @ 60Hz	
Support audio format	PCM
Input cable length. ≤15m, AV	NG26 HDMI standard cable
Maximum working current	0.4A / 5V DC
Operating temperature rang	e(-10 to + 55 ℃)
Product size(LxWxH)	
Product weight	

Product Connection Diagram:



Connection Operation:

1. Connect the USB port of the video capture card to the USB port of the computer.

2. Use the HDMI cable to connect the "HDMI IN" interface of the capture card to the HDMI output port of the video source device to be captured, and use another HDMI cable to connect the "HDMI OUT" interface of the video capture card to the display device,

3. Insert the microphone into the MIC interface of the capture card

4. Connect the headset or sound system to the R/L interface of the capture card, and the preliminary installation and connection work is completed.

Instructions for the use of video capture software For example: OBS Studio

- 1.Open the "obsproject.com/download" link and download the corresponding "OBS Studio" installer based on your computer operating system. And install according to setup program prompt.
- According to the above connection, connecting the capture to the source device and your computer correctly.
- 3.Open the OBS Studio software, click the "+" icon of the "Source" module and select "Video Capture Device"

4.Double-click "Video Capture Device" and select "USB Video" at "Device" and select MJPEG in the "Video Format" option.

5. Select "Output desktop audio (Wave Out)" at "Audio Output Mode" and "USB Audio Device" at "Audio Device" and click OK.

Device	USB Video
	Deactivate
	Configure Video
	Configure Crossbar
	🕅 Deactivate when not showing
esolution/FPS Type	Custon
Resolution	1920x1080
FPS	Match Output FPS (autoselect: 30)
Video Format	MJPEG
TUV Color Space	Default
YUV Color Space YUV Color Range	Default Partial
TUV Color Space TUV Color Range Defaults	Defsult Partial
TWV Color Space TWV Color Ranse Defaults	Pertial
TUW Color Space TUW Color Range Defaults TUW Color Space	Persult Partial Default
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6. Click "Settings" in the lower right corner of OBS Studio, click "Audio" settings, and set "Sampling Rate" to 48K; "Voice Channel" to stereo; "Mic/Auxiliary Audio Device" to "USB Audio Device", as follows:

General	Sample Rate	48khz
Scherdi	Channels	Stereo
Stream	Desktop Audio Device	Default
ourcan	Desktop Audio Device 2	Disabled
Output	Mic/Auxiliary Audio Device	(10- USB Audio Device)
output	Mic/Auxiliary Audio Device 2	Disabled
Audio	Mic/Auxiliary Audio Device 3	Disabled
Audio Met	Audio Meter Decay Rate	Fast
	Peak Meter Type	Sample Peak

After the audio settings are completed, the OBS Studio software needs to be restarted, otherwise it will cause no sound output.

7. After recording, you can find the path to save the recorded video in the Settings window.

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Note:

Computer hardware configuration requirements CPU: PC i5-3400 or above; NB i7-3537U 2.0GHZ or above

Graphics card: PC NVIDIA GT630 or above; NC NVIDIA GT35M or above

Storage: 4G RAM



HIGH-DEFINTION MULTIMEDIA INTERFACE

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