



VLUC-USB22K

1080p HDMI to USB2.0 Video Capture



User Manual

Ver 1.02

Thank you for purchasing this product

Please read these instructions carefully for optimum performance and safety before connecting, operating, or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that electrical spikes may damage, surges, electric shock, lightning strikes, etc. The use of surge protection systems is highly recommended to protect and extend the life of your equipment.

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1. Introduction

This HDMI to USB2.0 video capture can collect HDMI audio & video input signals. The captured video resolution is up to 4K2K@30Hz, and the output resolution is up to 1080P@60Hz. The product has the advantages of high performance, high compatibility, and manageable carrying and installation. It is compatible with Windows, Linux, Mac OS X operating system, USB2.0 port, plug and play, and easy to use.

2. Features

- ☆ HDMI 1.4 and HDCP 1.4 compliant
- ☆ Supports 10.2Gbps video bandwidth
- ☆ The captured video resolution is up to 4K2K@30Hz, and the output resolution is up to 1080P@60Hz
- ☆ Be compatible with Windows, Linux, Mac OS X operating system, and USB2.0 port
- ☆ Supports automatic recognition of input video format

3. Operation Controls and Functions

- ① **USB port:** USB signal output port, connect to the USB port of a PC directly.
- ② **STATUS LED:** Red LED is always on when the capture is related to active HDMI IN signal source, flashes slowly when not connected, about 1 second once.
- ③ **HDMI IN port:** HDMI signal input port, connect to HDMI source device such as DVD with HDMI cable.

4. Specifications

Technical	
HDMI Compliance	HDMI 1.4
HDCP Compliance	HDCP 1.4
Video Bandwidth	10.2 Gbps
Video Resolution	Input: Up to 4k2k@30Hz; Output: Up to 1080P@60Hz
Color Depth	8/10/12-bit (1080P@60Hz); 8-bit (4K2K@30Hz YUV4:4:4)
Color Space	RGB, YCbCr 4:4:4/4:2:2, YUV 4:2:0
HDMI Audio Formats	LPCM2.0
USB Version	USB 2.0
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection	
Input	1x HDMI [Type A 19-pin female]
Output	1x USB [Type A male]
Mechanical	
Housing	Plastic Enclosure
Color	Black
Dimensions	51mm[W] x 31mm[D] x 13mm[H]
Weight	16g
Power Supply	PC USB 5V
Power Consumption	1.75W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

5. Package Contents

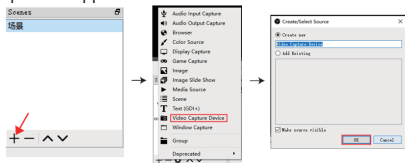
- ① 1× HDMI Capture
- ② 1× User Manual

6. Software instruction

Take OBS (Open Broadcaster Software) software, windows10 system as an example. The specific operation is as below:

Step 1: Install the “OBS” application software on the computer.

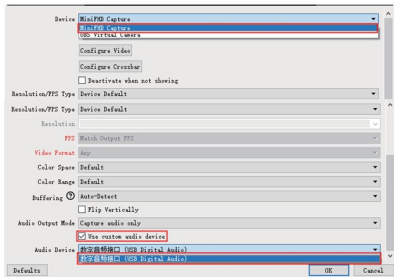
Step 2: Double-click the “OBS Studio” shortcut to open the application.



Step 3: Click the “+,” you can see a drop-down menu and select “Video Capture Device,” and then click the “OK” button.

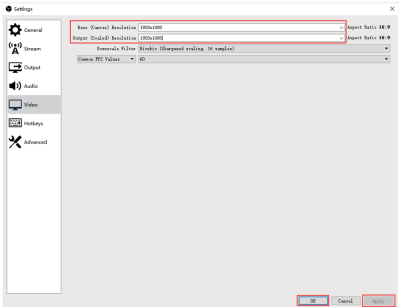
Step 4: Select “Mini FHD Capture” in the Device

option box, then check “Use a custom audio device” under Audio Output Mode and select “USB Digital Audio” for Audio Device. Then click the “OK” button.



Step 5: Click “Settings” to open the Settings page, then select the “Output” option. On this page, you can choose a recording path for video capture, set recording quality, format, etc. Then click the “Apply” button and the “OK” button.

Step 6: On the Settings page, you can select the “Audio” option. On this page, you need to set “Sample Rate” and select “USB Digital Audio.” Then click the “Apply” button and the “OK” button.



Step 7: You can select the “Video” option on the Settings page. You can select “Base Resolution” and “Output Resolution” on this page. Then click the “Apply” button and the “OK” button.



Step 8: Use the mouse to click the Setting icon, then select the “Advanced Audio Properties” option. And choose the “Monitor and Output” option on the Advanced Audio Properties page. Then click the “Close” button.

Step 9: When you have finished all settings, you can click the “Start Recording” button to start video capture. If it has finished, click this button again to stop video capture.



Step 10: You can click the “Exit” button to close the software when the video capture is finished.

Note: The software instruction is only about video capture settings at the above content. You can browse other related settings functions.

7. Application Example



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