



**4K HDMI to USB 3.0 Video
Capture Card
(Loop, Mic, Headphone)**

USER MANUAL

VC-1080

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Thank You for Purchasing This Product

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

Important Safety Note – Surge Protection Recommended

This product contains sensitive electronic components that may be damaged by electrical spikes, surges, lightning strikes, or static discharge. To protect and extend the service life of your equipment, we strongly recommend using a surge protection device.

Warranty Registration

Activate your warranty by registering your product at:

 www.orei.com/register

Need Technical Support? We're Here to Help.

Our experienced Technical Support Team is available to answer your questions, offer expert advice, and help troubleshoot any issues to keep your project on track—on time and on budget.

Live Support Hours (US/Canada/Mexico):

 Monday–Friday | 9:00 a.m. – 5:00 p.m. Central Time

Contact Us:

 Email: info@orei.com

 Phone: 877-290-5530

 Chat Live: www.orei.com

Send us an instant message—our team typically responds within moments during live support hours.

Introduction

The OREI VC-1080 is a compact, high-performance HDMI capture card designed for gamers, streamers, content creators, and professionals who need reliable real-time video capture. It supports HDMI input up to 4K@30Hz (or 4K@60Hz with 4:2:0) and delivers seamless USB 3.0 output at up to 1080p resolution. Featuring plug-and-play installation with no drivers required, the VC-1080 is fully compatible with Windows, macOS, and Linux. The built-in HDMI loop-out allows for real-time monitoring, while UVC and UAC compliance ensures automatic compatibility with most video and audio capture software. With independent video and audio processing, the device ensures zero CPU load and maintains consistent performance even in demanding workflows.



Features & Package Contents

1. **HDMI Input Support** – Captures up to 4K@30Hz (or 4K@60Hz with 4:2:0 chroma subsampling).
2. **USB 3.0 Output** – Streams and records video at resolutions up to 1080p.
3. **Driver-Free Plug & Play** – No additional drivers required; ready to use out of the box.
4. **HDMI Loop-Out** – Enables real-time, zero-lag monitoring of your content while capturing.
5. **UVC & UAC Compliant** – Automatically recognized by most video and audio software (e.g., OBS, Zoom, Teams).
6. **Cross-Platform Compatibility** – Works with Windows, macOS, and Linux systems.
7. **Supports USB 3.0 & USB 2.0** – Flexible connectivity for a wide range of systems.
8. **Independent Video/Audio Processing** – Operates with zero CPU load, ensuring smooth capture performance.
9. **Auto Format Detection** – Automatically detects video formats and converts audio to 48 KHz PCM.

Features & Package Contents

Hardware connection

1. Connect the input HDMI device via HDMI cable to the product, such as PC, game console, video camera. Etc.

2. Connect the USB 3.0 output port to the PC USB 3.0 port via a standard USB 3.0 USB-A male to male cable (recommend for best performance), power the product via the USB port at the same time.

Note: the PC recommend computer configuration

CPU

@PC i5-3400 or above

@notebook I7-3537u 2.0GHz or above

Graphics Card

* Support DirectX 10

@PC NVIDIA GT630 or above

@notebook NVIDIA GT 735M or above

Memory Card

4G RAM or above

Package Contents

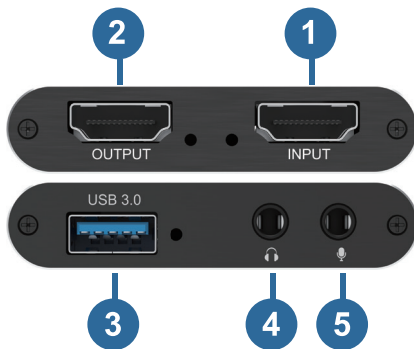
1.	VC-1080	1 pcs
2.	USB-A 3.0 to USB-A 3.0 Data Cable	1 pcs
3.	User Manual	1 pcs

Technical	
HDMI Compliance	HDMI 1.4
HDCP Compliance	HDCP 1.4
Video Bandwidth	3.4Gbps/340MHz per channel(10.2Gbps all channels)
Video Resolution	720 x 480 (60p), 720x 576 (50p), 1280 x720p (50p)1280 x 720p(60p), 1920 x 1080 (50i), 1920 x 1080(60i), 1920 x 1080 (24p), 1920 x 1080 (25p), 1920 x1080 (30p), 1920 x 1080 (50p), 1920x 1080 (60p)3840x2160(30p),3840x2160(60p)
USB 3.0 Output	720 x 480 (60p), 720 x 576 (50p), 1280 x 720p (50p)1280 x 720p(60p), 1920 x 1080 (50i), 1920xx 1080(60i), 1920 x 1080 (24p), 1920 x 1080 (25p), 1920 x 1080 (30p), 1920 x 1080 (50p), 1920 x 1080 (60p)
Compatible System	Windows7/8/10, Linux (Kernel version 2.6.38 and above), OS X (10.8 and above). etc
Software Compatibility	QuickTime Broadcaster (OS X);QuickTime Player (OS X); Daum Potplayer (Windows, OS X) ; XSplit Broadcaster (Windows, OS X) ;VLC (Windows, OS X, Linux) ; Wirecast (Windows, OS X) ;Cloud Video Conferencing Service; Livestream; Skype; Hangouts; OBS etc.
Color Space	YCbCr 4:4:4/YCbCr 4:2:2/YCbCr 4:2:0
Color Depth	8/10/12 bit
Audio Formats	44.1/48KHz 2.0 PCM

Specifications

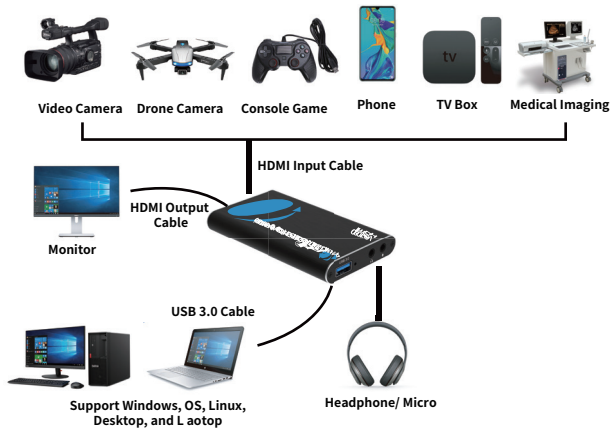
HDR	N/A
ESD Protection	Contact discharge ($\pm 4\text{KV}$), air discharge ($\pm 8\text{kv}$), Implementation of the standard: IEC61000-4-2
Connection	
Input	1 x HDMI [Type A, 19-pin female] 1 x mic
Output	1 x HDMI [Type A, 19-pin female] 1 x USB3.0 1 x 3.5mm Stereo
Mechanical	
Housing	Metal
Color	Black
Dimensions	L: 102mm / 4.02in W: 60.8mm / 2.39in H: 13mm / 0.59in
Weight	70g / 2.47oz
Power Supply	Powered via USB-A ports
Power Consumption	10W (Max)
Operating Temperature	0° ~ 70°C / 32°F ~ 158°F
Relative Humidity	5 ~ 90% RH (non-condensing)

Operation Controls and Functions



No.	Name	Function Description
1.	INPUT	HDMI Input port
2.	OUTPUT	HDMI Output port
3.	USB 3.0	USB3.0 Video Capture Port to Connect to the PC or Laptop
4.	3.5mm	Connect to the 3.5mm Stereo Out Device
5.	3.5mm	Connect to the MIC In Device

Application Example



FAQs & Troubleshooting

1. Power light is off and product is not working. How can I fix this?

First, please check the following items:

1. Ensure that your device's HDMI input device and power supply properly connected and power it on.
2. Check the HDMI port of display is selected correctly and properly connected as using.
3. Check the USB-A to USB-A 3.0 Data Cable is properly connected with the PC or laptop for data transmission and power supply

2. Video quality is not good. What could be causing this?

This may be caused by one or more of the following:

1. Make sure use the USB 3.0 port or USB 3.0 cable

3. Video is fine, but with no audio out. How can I fix this?

A: Maybe the audio setting is not correctly or the input device is no audio input the product

Please follow the audio setting step as above and setting the input device audio output to the device correctly

FAQs & Troubleshooting

Still have some questions?

Please feel free to contact us at: info@orei.com. OR Fill out the form on the 'Contact Us' page on the website.

Our team will be more than happy to help you.

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