

USER MANUAL

HDMI Video Capture With Audio (4K@60Hz)

MP-HM-VCC-4K

Introduction:

The HDMI video capture can capture HDMI video and HDMI audio with MIC audio mix. It can transmit audio signal to computer and smartphone to preview and storage, suitable for game live meetings, the HD recording supports the RGB format.



Features:

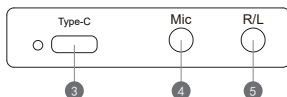
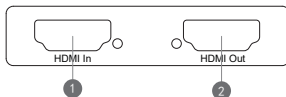
- * Input: 4k HDMI2.0 input, microphone input.
- * Output: 4k HDMI 2.0 loop out, Type-c (5Gbps) output, audio output.
- * Automatic detection of the input signals, resolution up to 4K@60Hz.
- * Support video format: MJPEG/YUY2/NV12/I420,etc.
- * Uncompressed video and audio acquisition, meet the UVC and UAC standards.
- * USB Type-c power supply, plug and play, no drive.
- * Compatible with Windows, MacOS.
- * Compatible OBS, Potplayer, VLC, Vmix and etc.

Specifications:

Input resolution	maximum 4k@60Hz 4:4:4
Output resolution	maximum 4k@60Hz
Video output mode	MJPEG/YUY2/NV12/I420
Max bandwidth	600MHz
Max baud rate	18Gbps
Support audio format	meet the UVC and UAC standards

Cable length	≤5m, AWG26 HDMI standard cable
Max working current	0.7A/5VDC
Operating temperature range	(-10 to +55 ℃)
Dimension	100x63x16 (mm)
Weight	126g

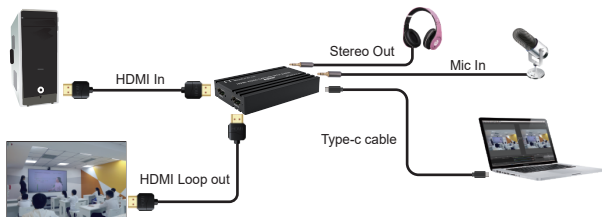
Physical interface diagram :



- 1.HDMI In ---- HDMI input port
- 2.HDMI Out --- HDMI output port
- 3.Type-c ---- Type-c capture port

- 4.Mic ---- Microphone input
- 5.R/L ---- 3.5mm headphone stereo output

Application diagrams

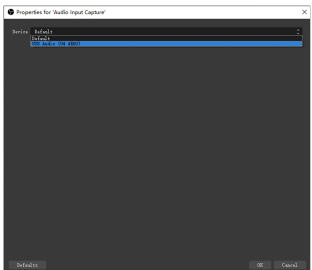
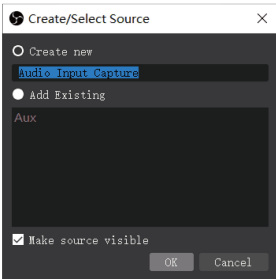
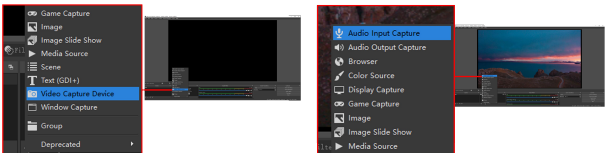


Connection and Operation:

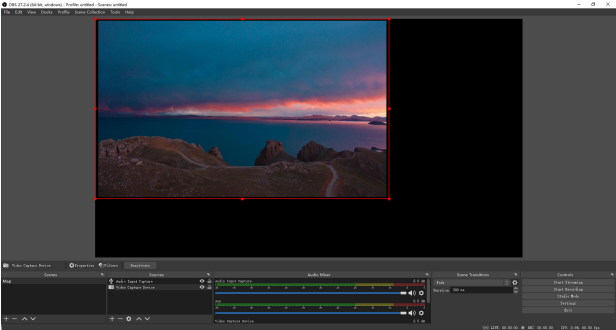
1. Connect the HD signal source to the HDMI input of the video capture with one HDMI cable;

2. Connect the microphone with the Mic port of the video capture;
3. Connect the display device to the HDMI output of the video capture with one HDMI cable;
4. Connect PC USB 3.2 Gen1 port to the Type-c port of the video capture with one Type-C to USB 3.2 Gen1 data cable;
5. Capture operation steps(OBS): Open the software -->Add new sources -->Choose "Video Capture Device"/ "Audio Input Capture" -->Set the size of the image -->Choose "Studio Mode"(double windows) -->Click "Start Recording".

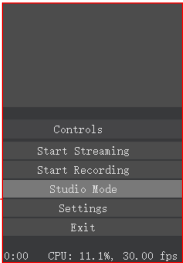
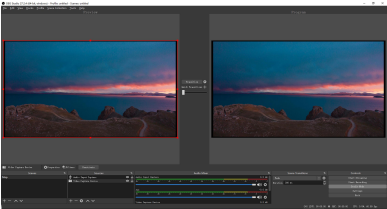
1. Add new sources, choose " Video Capture Device " / " Audio Input Capture "



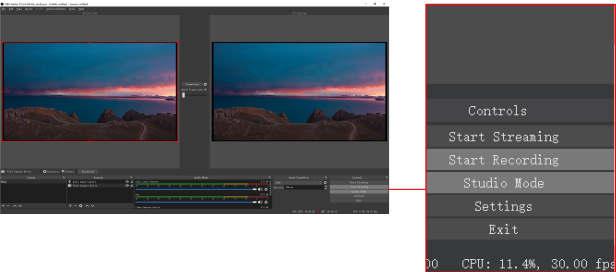
2. Set the size of the image.



3. Choose "Studio Mode"(double window).



4. Click “ Start Recording”



The above settings have been completed.

Package include

1. Video capture1PC
2. user manual1PC
3. Type-C to USB 3.2 Gen1 data cable1PC

Acquisition equipment requirements:
Apple MacOS: system software 10.12 or above;
Windows computer configuration requirements(Support for the UVC protocol is required).

MJPEG 4K60 computer configuration requirements (windows):

CPU	Desktop	Laptop
	Intel Core i7-10XXX or above	Intel Core i9-9XXX or above
	NVIDIA GeForce GTX 1650 or above	NVIDIA GeForce GTX 1650 or above
	8G(two-channel)	8G(two-channel)

NV12/I420 4K30 computer configuration requirements (windows):

CPU	Desktop	Laptop
	Intel Core i5-6XXX or above	Intel Core i7-7700HQ or above
	NVIDIA GeForce GTX 1060 or above	NVIDIA GeForce GTX 1050Ti or above
	8G(two-channel)	8G(two-channel)

Live recording		
Resolution	Refresh rate	Video format
3840*2160	60	MJPG
	30	NV12/I420
2560*1440	144	MJPG
	60	NV12/I420
	50	YUY2
2560*1080	60	NV12/I420
	60	MJPG
	50	YUY2
1920*1080	240	MJPG
	120	NV12/I420
	60	YUY2/XRGB
1280*720	120	NV12/I420
		YUY2/XRGB/MJPG

Input port	HDMI IN (support up to 4K60Hz)
Output port	HDMI OUT (support up to 4K60Hz)
Acquisition port	USB 3.2(Gen 1)Type-C
Audio input	3.5mm mic input
Audio output	3.5mm earphone output

PS: The above data are obtained from the company's laboratory tests, and there may be differences in the actual data due to different equipment.