

U S E R M A N U A L

4K HDMI to USB3.0 Capture

Enjoy the vivid world!

INTRODUCTION

1.Introduction

4K HDMI to USB3.0 Video Capture Dongle,it is easy to carry,have a superior performance,superior compatibility,simple installation and many other features,It can capture one HDMI 1080p60 input and output signal; compatible with Windows,Linux,Macos X and USB3.0 interface,Compatible with many USB3.0 chipset (Intel,Renesas,ASMedia,Fresco Logic),Compatible with USB2.0 and preview, record, capture, live broadcast through a number of free third-party software via USB3.0 interface;The HDMI video capture meets UVC and UAC standard.



2. Features

- 1.It can capture one single channel HD HDMI video signals
- 2.The capture resolution up to 1080P/60Hz, input resolution up to 4K/30Hz
- 3.Support MJPE and YUY2
- 4.Support UAC&UVC, support 48 KHz PCM audio
- 5.It need to install a driver with the Windows7 system
- 6.It is compatible with Windows 7,Windows8,Windows8.1,Windows10 or later, Linux OS, Mac OS operating systems.
- 7.USB3.0, 300~350MB / s throughput max and it is compatible with USB 2.0 (40MB/s throughput max).
- 8.It can automatically detect the input video formats and it will adjust to the set output size and frame rate automatically.
- 9.It can automatically detect the input audio formats and swift it to 48KHz PCM audio.
- 10.Two capture can be used on one PC
- 11.The firmware can be updated.
- 12.With good picture quality, the RGB color range is 0-255, less delay.
- 13.Support for all thrid-party player software compatible with UVC and UAC protocols.
14. Support loudspeaker/ earphone.

3. Specification

Connection:

Input interface	1 HDMI interface
Output interface	USB3.0, 300-350MB/s throughput MAX
HDMI input	4K/30Hz,1080P/60, 59.94, 50, 30, 29.97, 25, 24, 23.98, 1080i 50/60, 720P 50/60, 480P, 576P,1280x1024, 1280x960, 1024x768, 800x600, 640x480
HDMI audio input	1 LPCM audio signal

Standards:

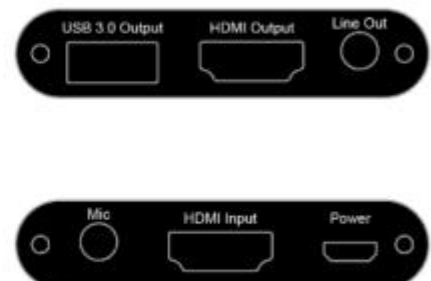
HDMI input formats	It meets the HDMI 1.4 standard, and supports 225 MHZ 4K/30Hz 12bit deep color
Output Formats	Resolutions: 640x480/720x480/720x576/800x600/1024x768/1280x720/1280x960/1280x1024/1366x768/1360x768/1440x900/1400x900/1680x1050/1920x1080 frame rate: 25/29.97/30/50/59.94/60 fps
Video Sampling Rate	HDMI: 165MHz
Audio and video capture	It meets the standards of UVC (USB video class) and UAC(USB audio class)
Output color space	YUV, RGB

Video Process

Color space switch	Hardware Color Space Switch
Image Scale	Hardware scale

Others

The support of OS	Windows 7,Windows8,Windows8.1,Windows10 or later, Linux OS, Mac OS
Software compatibility	Adobe Flash Media Live Encoder (Windows, OS X) Real Producer Plus (Windows) VLC (Windows, OS X, Linux) QuickTime Broadcaster (OS X) QuickTime Player (OS X)and etc. OBS PotPlayer
Upgrade	The firmware can be upgraded
Size	113X61X13mm
Power consumption	<= 2.5W
Working Temperature	0-70 deg C
Storage Temperature	-20-120 deg C
Storage Humidity	5%-90%

4. Interface:

- 1.Signal Indicator:**This LED illuminates when the device capture the video normally.
- 2.Power Indicator:**This LED illuminates when the device is connected to computer USB port.
- 3.HDMI Input:** This slot is where you connect the HDMI source output from Camera, Vidicon, Game box, IPTV box,and so on.
- 4.USB3.0 Output:**This slot is where you connect to the USB3.0 input of the computer or NoteBook.
- 5.MIC:** Microphone
- 6. Line out:** Loudspeaker/ Earphone
- 7.HDMI Output:** HDMI to display device
- 8. .Power Port:**Connect the power supply when the power supply is insufficient

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5.Package

1. HDMI to USB3.0 video capture----- 1 unit
2. USB3.0 cable ----- 1 unit
3. User manual----- 1 unit
4. Micro-usb cable----- 1 unit

6.Computer system requirements:

Windows® 10 / Windows 8.1 / Windows 7 (SP1)

PC: Intel® Core™ i5-4440 3.10 GHz + NVIDIA® GeForce® GTX 660or above

Notebook: Intel Core i7-4810MQ + NVIDIA GeForce GTX 870M or above

4 GB RAM (suggest 8 GB)

Mobile phone requirements:

Android phone (Most phones are supported)

Only USB2,no USB3.(android UVC driver not support USB3)

If it's an Android phone with USB, then need pure USB2cable force into his mode to use.

The list of restrictions on USB host cannot be supported and used:

Limitation		
Host	platform	remark
HEC200		Win10 YUY2 OK Win10: USB3 MJ may flicker Win7: USB YUY2 720P60 FPS=0,change resolution error message,reopen ok
VIA805		need VIA driver win10 inbox drive, audio sample rate=48K,no sound
Fresco FL1100		need Fresco driver
ASMedia 1143 PID:1343	Asus PRIME X370 PRO AMD CPU	1080P60 YUY2 when first play will be OK, any more action will "Not enough USB controller resource"(host driver issue)
ASMedia 1343E	?	need windows inbox driver
ASMedia 1042AE PID:1242	Z97 on board	need windows inbox driver
ASMedia 1142(3.0) PID:1142	X99 on board	need windows inbox driver
Asmedia 1142(3.1) PID:1242	Z97	PID:1242, inbox drive 1080P60 when first play will be OK, any more action will "Not enough USB controller resource"(host driver issue)
Not support		
Host	platform	remark
EJ168 old version VID:IE4E PID:7023		ISOC mode BW issue

Fresco FL1000 VID:1B73 PID:1000		ISOC mode BW issue,only 1080P30
VIA800 VID:1106 PID:3432		ISOC mode BW issue,1080P60MJ and YUY2 frame rate <10
VIA801		ISOC mode BW issue,1080P60MJ and YUY2 frame rate <10
ASMedia 1042(0.96) VID:1B21 PID:1042	Z77 on board	ISOC mode BW issue, YUY2(x), MJ(O)