U S E R   M A N U A L

HDMI to USB Type-C Video Capture

Enjoy the vivid world!

INTRODUCTION

1. Product Images

4K HDMI to Type-C port

HCA14

1. Model comparison

Model					
Picture					
Input					HDMI
Input Max Res.					4K/60Hz
Output					Type-C/HDMI OUT
Recording Res.					1080P/60Hz
HDMI loop-out Max Res.					4K/60Hz
MIC In					
External power input					
3.5mm Line out			√		

2. Introduction

HDMI to USB Type-C video capture device has superior performance, good compatibility, simple installation and powerful functions. It can capture a single HDMI input signal, support HDMI Loop-out (except model HCA11), compatible with Windows 7, 8, 8.1, 10, Linux OS, and USB 3.0/Type-C interface of Mac OS. Compatible with a variety of USB3.0 chipsets (Intel, Renesas, ASMedia, Fresco Logic), backward compatible with USB2.0. Its USB3.0 and Type-C output meets UVC and UAC standard, without having to install drivers and settings, the real plug-and-play, easy to use.

3. Feature

1. Can capture single HDMI video signal

2. Record resolution up to 1080p / 60Hz, other's maximum resolution,
please refer to the point 3（Model comparison ） 3. Support MJPEG and YUY2

4. Support UAC&UVC protocol, support 48 KHz PCM audio sampling rate

5. Partial need to install the driver on some win7

6. Compatible with Windows 7, 8, 8.1, 10, Linux OS, Mac OS operating
system

7.USB3.0/Type-C output, up to 300~350MB / s bandwidth, compatible with
USB 2.0

8. Can automatically detect the input video format and automatically adjust
the output resolution and frame rate

9. Can automatically detect the input audio format and convert it to 48KHz
PCM audio

10. 2 captures can be used on one PC

11. Support firmware online upgrade to better compatibility

12. The picture quality is clearer, the RGB color range is 0~255

13. Support all third-party player which is compatible with UVC and UAC
protocols

14. Model HCA07 supports mobile phone live broadcast, model
HCA12/HCA13/HCA14 does not support

6.Specification

Input	**HDMI input port（Resolution Supported ）：** 4K/60, 50; 4K/30,25, 24, 1080P/60, 50; 720P 50/60
	HDMI input formats: Compatible with HDMI2.0 standard, maximum bandwidth support 600MHz 4K/60Hz, 8bit deep color, HDR
	MIC Only model HCA07/HCA12/HCA13 support
	USB3.0/Type-C output： Up to 300~350MB/s bandwidth
	preview resolution: 1920x1080/1280x720 Frame rate: 50/60 fps

	HDMI loop-out (supported resolution)： 4K/60,50, 4K/30,25, 24, 1080P/60,50, 30,720P 50/60
Output	
	3.5mm Audio output: only model HCA12 supported
Protocol	Complies with UVC (USB video class) and UAC (USB audio class) standards
Output color space	YUV, RGB

7.Others

Operating system support	Windows 7, 8, 8.1, 10 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	Firmware can be upgraded online
Size	: 80x80X16mm
Power consumption	<= 2.5W
Operating temperature	0-70 deg C
Storage temperature	-20-120 deg C
Storage humidity	5%-90%

8.Some restrictions on USB host cannot be supported and there is a list of restrictions on use

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

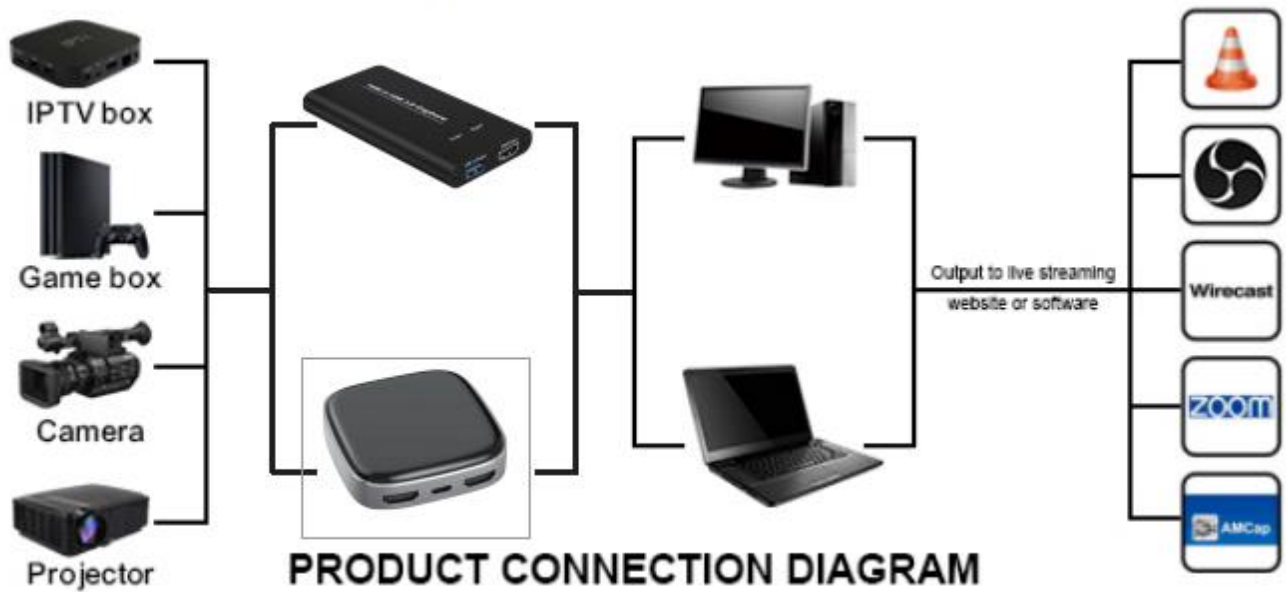| Host	platform	remark
ASMedia 1142(3.0) PID:1142	X99 on board	need windows inbox driver
Asmedia 1142(3.1) PID:1242	Z97	PID:1242, inbox drive 1080P60 when first play will be OK，any more action will "Not enough USB controller resource"(host driver issue)
Not support		
Host	platform	remark
EJ168 old version 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)

9.Computer system requirements

System：Windows 10 / Windows 8.1 / Windows 7 (SP1)/Linux/MacOS X 10.9 above
Desktop PC: Intel Core i5-3400 3.20 GHz + NVIDIA GeForce GT 630 or above
Notebook: Intel Core i7-4810MQ + NVIDIA GeForce GTX 735QM or above
RAM：4 GB RAM (Suggest8 GB)

10.Package and accessories

1. HDMI to USB Type-C video capture dongle--------------------------- 1 unit
2. USB Type-C cable--1unit
3. Parameter description--- 1 unit
4. Operating instruction--=--------------1unit

11.Connection diagram

IPTV box

Game box

Camera

Projector

PRODUCT CONNECTION DIAGRAM

Output to live streaming website or software

Wirecast

zoom

AMCap

Note: Support capture and live streaming via computer. For mobile phone live broadcast, please contact customer service to change.