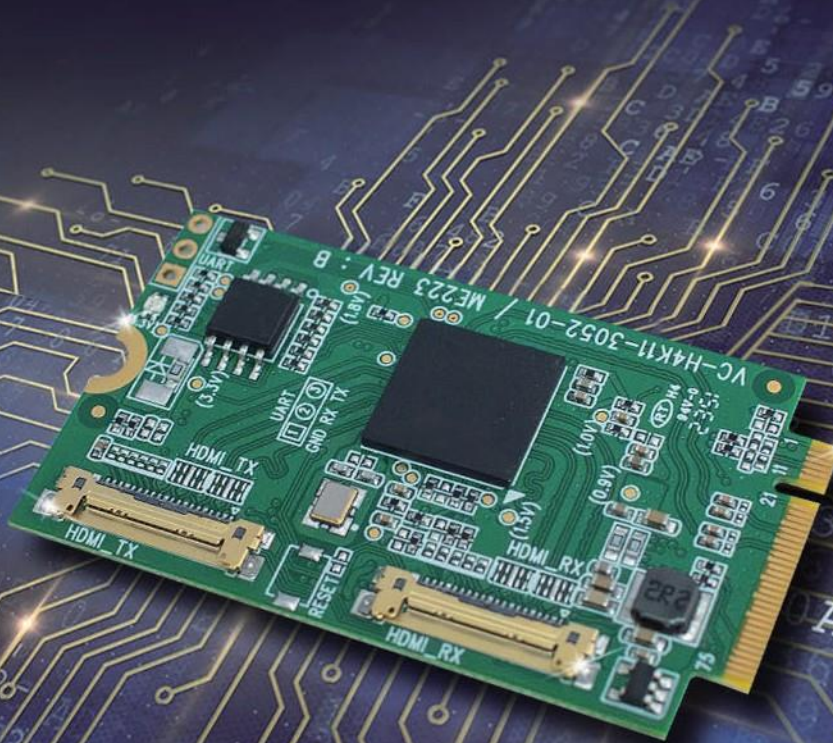


EVC-H411-3052-U2

HDMI2.1 M.2 3052 Capture Card



Features

- M.2 3052 B key USB 3.1 gen II HDMI 2.1 capture card
- Support 1 channel HDMI2.1 input and 1 channel HDMI 2.1 passthrough
- Supports Hardware 3D de-interlace & scaler & Frame rate converter
- Supports HDR to SDR conversion
- Support for RGB , YUY2 , NV12 , P010 color sampling
- Support for 10 bit color depth
- Works on multiple operating system platforms (Windows 7/8.1/ 10/11, Mac and Linux OS)
- Support capture output image resolutions up to 3840x2160p60 SDR RAW or MJPEG
- Support UVC/UAC
- Support 4K2K P144 loop out (optional)
- Support capture output image resolutions up to 3840x2160p60 MJPEG

Introduction



The EVC-H411-3052-U2 is a professional video capture device with a standard M.2 3052 form factor. It features Scaler/De-interlace/Frame rate conversion, HDMI 2.1 loop-out, and HDR10 to SDR conversion. It supports up to 4K2K60 resolution and allows users to capture Ultra HD (4K2K60) RAW data or (4K2K60) MJPEG data with realistic color rendition. The device utilizes large-volume image buffer technology to prevent from video tearing and ensures high sharpness, rich details, and minimal color edges in captured videos.

System Requirements (Recommended)



- Windows® 7(SP1) / Windows 8.1 / Windows 10 / Windows 11
- PC: Intel® Core i5-4440 3.10GHz + NVIDIA® GeForce® GTX 660 or higher
- Laptop: Intel® Core i7-4810MQ + NVIDIA GeForce GTX 870M or higher
- 4GB RAM or higher

Specifications

Model Name	EVC-H411-3052-U2
Technical	
Input Video Resolution (max)	3840x2160P144
Loop Out Video Resolution (max)	3840x2160P144
Output Bandwidth	USB 3.1 gen II (10G)
Capture Video Resolution (max)	3840x2160P60 (MJPEG) or 3840x2160P60 (NV12)
Audio Input	HDMI Embedded Audio PCM
Recording Mode	Software or Hardware Compression
Video Format	RGB/YUY2/NV12/MPEG
Audio Sampling Rate	32/44.1/48KHz
Color Depth	10 bit
Safety Certification	CE/FCC
Resolution table	
HDMI In	3840x2160P144/60/30, 2560x1440P144/60, 1920x1080P240/120/60, 1920x1080i60/50, 720P60/50, 480P, 576P, 480i, 576i, 640x480P60
Capure	3840x2160P60/30, 2560x1440P60/59.94/50/30/29.97/25, 2560x1080P60 1920x1080P120/60/59.94/50/30/29.97/25, 1280x720P60,720x480P60 640x480P60
RAW Formats	YUV422 8 bits: YUY2 YUV420 8 bits: NV12 RGB444 8 bits: RGB24 YUV420 8/10 bits: P010
Board Dimension	
Form Factor	M.2 Type 3052 B
PCB Size	30mm x 52mm
PCB Thickness	0.8 mm +/- 0.08mm
Thermal Specification	
Operating Temp.	32°F ~ 104°F (0°C ~ 40°C)
Storage Temp.	14°F ~ 176°F (-10°C ~ 80°C)
Power consumption	
Working Mode	3.3W

M.2 B+M pin definition

Pin	Function	Pin	Function	Pin	Function	Pin	Function
1	Config3	39	GND	2	3.3V	40	NC
3	GND	41	NC	4	3.3V	42	NC
5	GND	43	NC	6	N/C	44	NC
7	USB D+	45	GND	8	N/C	46	NC
9	USB D-	47	NC			48	NC
11	GND	49	NC			50	NC
13		51	GND			52	NC
15		53	NC			54	NC
17		55	NC			56	NC
19		57	GND	20	NC	58	NC
21	Config0	59	NC	22	NC	60	N/C
23	NC	61	NC	24	NC	62	3.3V
25	NC	63	NC	26	NC	64	3.3V
27	GND	65	NC	28	NC		3.3V
29	USB3.0 TX-	67	NC	30	NC	68	N/C
31	USB3.0 TX+	69	Config1	32	NC	70	3.3V
33	GND	71	GND	34	NC	72	3.3V
35	USB3.0 RX-	73	GND	36	NC	74	3.3V
37	USB3.0 RX+	75	Config2	38	NC		

Device connection

