

EVC-S411-3052-00

12G SDI M.2 Capture Card



Features

- Supports (RGB/YUY2/NV12) video resolution up to 4K2K@30
- Supports (MJPEG) video resolution up to 4K2K@60
- Supports 1 channel 12G/6G/3G SDI input up to 4K2K@60
- Supports Hardware 3D deinterlacer & scaler & Frame rate converter.
- Recording Video Format: Software/Hardware Compression
- Works on multiple operating system platforms (Windows 7/8.1/10, Mac and Linux OS)
- Low Latency uncompressed video/audio preview
- Compliance with UVC/UAC format

Introduction

The EVC-S411-3052-00 Video Capture with standard M.2 3052 form factor, it with Scaler/De-interlace/Frame rate converts, provides a professional way to capture SDI video signals. In addition. Users can connect EVC-S411-3052-00 to 12G/6G/3G SDI source and capture Ultra HD(4K2K@30) video by this capture device. EVC-S411-3052-00 can capture and display original uncompressed HDMI video with a more realistic color rendition. EVC-S411-3052-00 Also uses large-volume image buffer technology which effectively avoids video tearing. The high sampling rate and high sampling accuracy assure the captured videos with high sharpness, rich details, and less color edges.

System Requirements (Recommended)



- indows® 7(SP1) / Windows 8.1 / Windows 10
- 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-S411-3052-00
Technical	
Input Video Resolution (max)	12G SDI 3840x2160P60
Loop Out Video Resolution (max)	NA
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	
SDI In	12G SDI 3840x2160@60/50 6G SDI 3840x2160@30/25/24 3G SDI 1920x1080@60/20 HD SDI 1920x1080@30/25/24 1280x720@60/50
Capure	3840x2160P60/30, 2560x1440P60, 1920x1080P60/50/30, 720P60/50, 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	4.3W

M.2 B+M pin difinition

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			GND			52	NC
15			NC			54	NC
17			NC			56	NC
19			GND	20	NC	58	NC
21	Config0	51	NC	22	NC	60	N/C
23	NC	53	NC	24	NC	62	3.3V
25	NC	55	NC	26	NC	64	3.3V
27	GND	57	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		