

ITEM NO.: EL-CO-H002



The device EL-CO-H002 converts a signal from HDMI to 3G/HD/SD-SDI which providing the highest quality images for professional audio-visual end users. It is designed for high performance video process for post-production and broadcast applications.

Features:

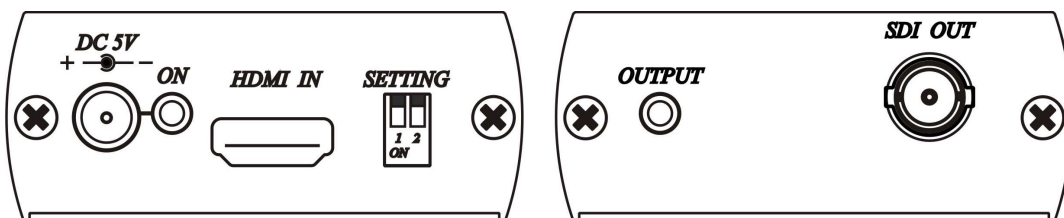
- Support video signal 480i, 576i, 720p, 1080i, 1080p.
- Incoming HDMI signal must be YUV 4:2:2 encoded
- Support SDI (SMPTE 259M), HD-SDI (SMPTE 292M), 3G-SDI (SMPTE 424M).
- Support audio LPCM 7.1 Channel.

Installation:



Panel View:

EL-CO-H002



Recommend Cable:

Maximun 10 m HDMI input cable is recommended. High Speed cable type is preferred.

High quality 75Ω Coaxial Cable is recommended. Low quality coaxial cable may cause signal loss and affect transmission distance and reliability.

Working Distance output cable:

Max. distance via high quality 75Ω Coaxial Cable (Belden 1694A Testing)	
SD (480i, 576i) (270Mbps)	300 m (Note 1)
HD (720p, 1080i, 1080p 24/25/30Hz) (1.45Gbps)	200 m (Note 1)
Full HD (1080p 50/59.94 Hz) resolution (2.97Gbps)	100 m (Note 1)

Note 1: The distances above mentioned depend on the quality of the input circuitry of the SDI destination. Therefore, some devices could not permit these cable length despite of the use of 1694A Belden cable.

LED Indication:

GREEN		Power & Signal
	ON	Power on
	FLASH	Not support HDMI input format
BLUE		SDI signal
	ON	SDI signal output
	OFF	SDI signal output not present

Switch Instruction:

1	↑	Video Support	480i, 576i, 720p@50/59.94/60Hz, 1080i@50/59.94/60Hz.
	↓	Video Support	480i, 576i, 720p@50/59.94/60Hz, 1080i@50/59.94/60Hz, 1080p@23.98/24/29.97/30/50/59.94/60Hz.
2	↑	Audio Support	LPCM 2 Channels.
	↓	Audio Support	LPCM 8 Channels.

Trouble Shooting:

1. SDI signal not support HDMI 480p and 576p resolution.
2. SDI output resolution and frequency is same as HDMI input. If your SDI monitor not support HDMI input resolution and frequency, then it won't have picture at the monitor.

Specification:

ITEM NO.	EL-CO-H002
SDI Standard / Protocol	SDI (SMPTE 259M), HD-SDI (SMPTE 292M), 3G-SDI (SMPTE 424M)
Resolution	NTSC (480i), PAL (576i), 720p@50/59.94/60Hz, 1080i@50/59.94/60Hz, 1080p@23.98/24/29.97/30/50/59.94/60Hz
Audio	LPCM 8 Channels, 48Khz, 16 / 20 / 24Bit
HDMI Output Connector	HDMI Type A
SDI Output Connector	BNC 75Ω
Power Consumption	850mA (Max)
Power Supply	Switching DC5V 2AMP
Temperature	Operation: 0 to 55°, Storage: -20 to 85°, Humidity: up to 95%
Dimensions	67 x 110 x 27 (mm)
Weight	200 g

RoHS   