

# HDMI to HD-SDI CONVERTER

ITEM NO.: SDI02



SDI02 converts signal from HDMI to 3G-SDI, HD-SDI and SD-SDI which provides the highest quality images for professional audio-visual end users. Designed as a high performance video processor for post-production and broadcast applications, the HDMI to SDI Converter provides exceptional and enhanced image processing and quality.

## Features:

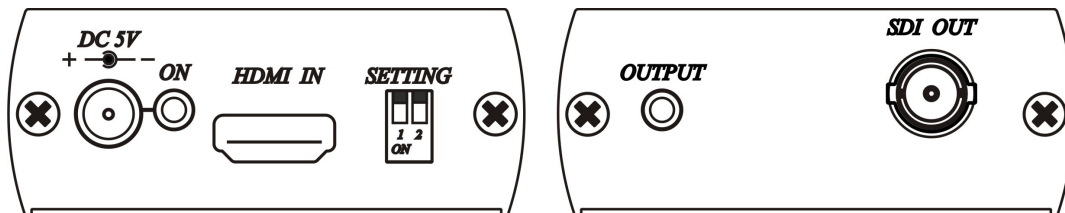
- To send HDMI signal converter to 3G/HD/SDI signal
- Support video signal 480i, 576i, 720p, 1080i, 1080p.
- Support SDI (SMPTE 259M), HD-SDI (SMPTE 292M), 3G-SDI (SMPTE 424M).
- **Support audio LPCM 7.1 Channel.**

## Installation:



## Panel View:

SDI02



## Recommend Cable:

To send HD video must use coaxial cable with Bandwidth at least 1.5G , to send Full HD video must use coaxial cable with bandwidth at least 3G.

Link cable recommend to use high quality 75Ω Coaxial Cable & BNC connector , to use low quality coaxial cable may case signal loss and effect transmission distance and reliability.

## Working Distance:

| Max. distance via high quality 75Ω Coaxial Cable ( Belden 1505A Testing) |      |
|--|------|
| SD (480i,576i resolution) (270Mbps)                                      | 300M |
| HD (720p, 1080i, 1080p@24/25/30Hz resolution) (1.45Gbps)                 | 200M |
| Full HD (1080p@50/60Hz) resolution (2.97Gbps)                            | 100M |

## LED Indication:

|       |       |                               |
|-------|-------|-------------------------------|
| GREEN |       | Power & Signal                |
|       | ON    | Power on                      |
|       | FLASH | Not support HDMI input format |
| BLUE  |       | SDI signal                    |
|       | ON    | SDI signal output             |

## 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 & 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.                | SDI02  |
|-------------------------|--|
| SDI Standard / Protocol | SDI (SMPTE 259M), HD-SDI (SMPTE 292M), 3G-SDI (SMPTE 424M)   |
| Resolution              | NTSC (480i), PAL (576i),<br>720p@50/59.94/60Hz,<br>1080i@50/59.94/60Hz,<br>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°C, Storage: -20 to 85°C, Humidity: up to 95%  |
| Dimensions              | 67 x 110 x 27 (mm)   |
| Weight                  | 190 g  |

RoHS   