



SDI Converter

User Manual

Model : SDI01

3G/ HD-SDI to HDMI Converter with Loop Out



Introduction

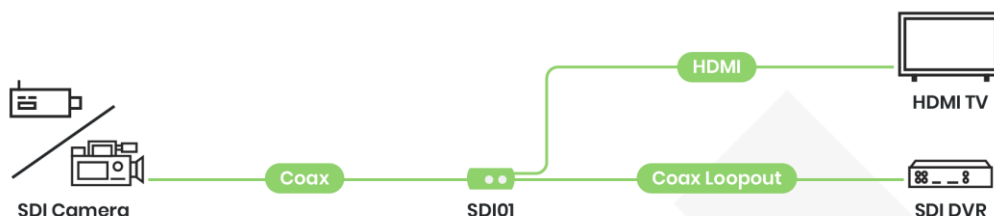
SDI01 is a SDI to HDMI converter that enables users to use a cost effective HDMI monitor to display SDI A/V source. It also has a BNC loop-out port for an extra SDI display.
It's a perfect solution for CCTV HD-SDI camera and broadcast video monitoring.

Features

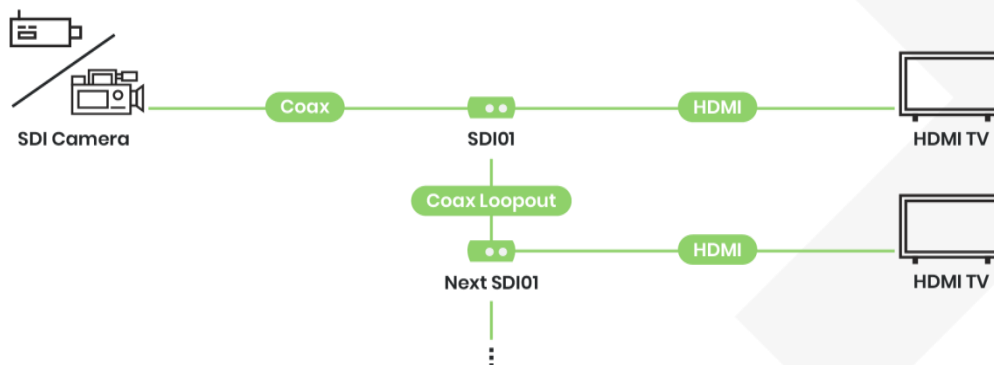
- Supports 3G-SDI, HD-SDI, SD-SDI video format.
- Built-in equalizer to increase the working distance and transmission stability.
- Built-in BNC loop-out port for an additional SDI display or next SDI01.

Installation view

Loop-out



Daisy Chain

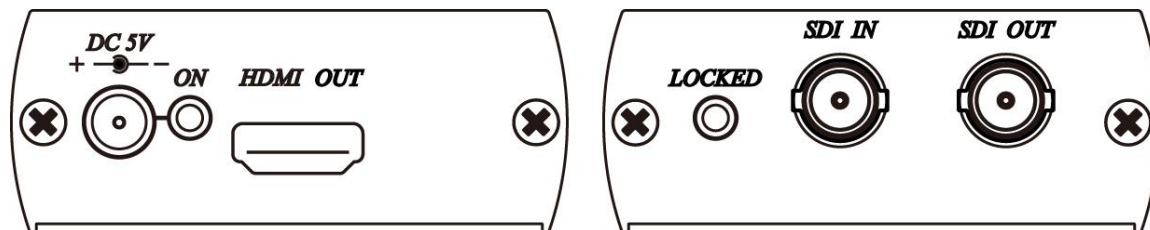


Transmission Distance

The report is performed using Belden 1694A RG6U cables

| SDI Standard | Resolution | Bandwidth | Distance |
|---------------------|-------------|-----------|----------|
| SD-SDI (SMPTE 259M) | 480i, 576i | 270Mbps | 300M |
| HD-SDI (SMPTE 292M) | 720p, 1080i | 1.45Gbps | 200M |
| 3G-SDI (SMPTE 424M) | 1080p@60Hz | 2.97Gbps | 100M |

Panel View



LED Indication

| LED Name | LED Color | Description |
|----------|---------------|-----------------------------|
| ON | Green On/ Off | Power On/ Off |
| LOCKED | Blue On/ Off | SDI signal Locked/ Unlocked |

Caution

- HDMI output resolution and frequency should be same as SDI input. If you use HD-SDI camera and your TV monitor does not support 1080p@25Hz or 1080p@30Hz, the monitor won't be displaying.
- When video not displaying on your monitor, please adjust your HD-SDI camera output resolution to 1080i or 720p.
- It's recommended to use high-quality 75Ω coaxial cables. Low-quality coaxial cables may cause signal loss and effect transmission distance and reliability.

What's Included in the Package

| No. | Item | Qty |
|-----|---------------------|-----|
| 1 | SDI01 | x 1 |
| 2 | 5V 1A Power Adapter | x 1 |

Specification

| | |
|----------------------------|------------------------------------|
| ITEM NO. | SDI01 |
| Support | |
| Compliance | SMPTE 259M, SMPTE 292M, SMPTE 424M |
| Max. Video Resolution | 3G-SDI, 1080p@60Hz |
| Max. Transmission Distance | 100M at 3G-SDI |
| Ports & Interfaces | |
| Video Input | 1 x BNC |
| Video Output | 1 x HDMI Type A |
| Video Loop-out | 1 x BNC |
| Power | |
| Power Supply | DC 5V 1A |
| Power Consumption | 750mA (Max) |
| Ambient Temperature | |
| Operation | 0 to 55°C |
| Storage | -20 to 85°C |
| Humidity | Up to 95% |
| Physical Characteristics | |
| Dimensions | 67 x 120 x 27mm |
| Weight | 200g |