

HDMI TO 3G SDI Box

Operation Manual

I. Introduction

The HDMI to 3G SDI converter allows HDMI signals to be shown on SDI displays while ensuring high bit rates of 2.970 Gbit/sto give you fast signal transmission without any loss. For professionals this means that it is easier to convert your high def HDMI signal to SDI signal for long distance transmission and display now.

II. Applications

HDMI signal display on SDI display(s)
 Extending HDMI signal over 100Maway to SDI display
 Cascade HDMI signal over SDI cable

III. Features

Supports HDMI timing:
 480P,576i,720p50/60,1080i50/60,1080p24/25/30/50/60
 Operation at 2.970Gbps,2.970/1.001Gbps,1.485Gbps,
 1.485/1.001Gbps and 270Mbps
 Integrated audio embedded up to 8ch pcm 48kHz for HDMI
 Auto video mode detection(3G/SD/HD)
 Connect with other units(SDI to HDMI) to extend your signal over long distances
 Supports signal transmission distances up to 300M for SD signals,

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200M for HD signal and 100M for 3G signal

Note: Cable tested with Belden 1694A. Operating distances may vary if used with another type of cable

IV. Package

HDMI to 3G SDI Box-----1PCS
 5V DC Power Supply Adaptor-----1PCS
 Operation Manual-----1PCS

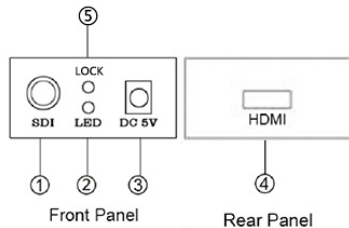
V. Specification

SDI Transmission Rates	2.970 Gbit/s and 2.970/1.001Gbit/s 1.485Gbps,1.485Gbps/1.001Gbps and 270 Mbps
Frequency Bandwidth	225MHz/link (HDMI 1.3)
In/Output Resolution	480P,576I,720p@50/60,1080I@50/60,1080P@23.98/24/25/29.97/30/50/59.94/60
Input Port	1×HDMI
Output Port	1×BNC(HD-SDI/3G-SDI)
Power Supply	DC 5V/ 1A

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ESD Protection Human body model	±8kV (air-gap discharge)
	±4kV (contact discharge)
SDI Cable Distance	3G up to 100M (BELDEN 1694A)
	HD up to 200M (BELDEN 1694A)
	SD up to 300M (BELDEN 1694A)
Dimension(mm)	100(W)×65(D) ×25(H)mm
Weight (g)	250g

VI. Operation Controls and Functions

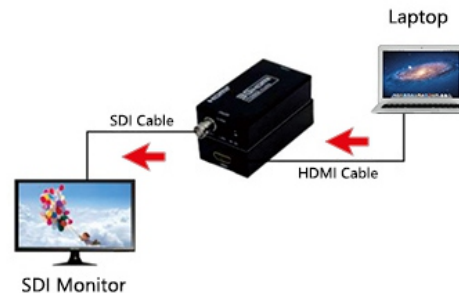


(1) SDI output: Connect with SDI display or SDI to HDMI converter to cascade the signal as long as desired.

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- (2) LED: Power indicator
- (3) DC 5V: Power input
- (4) HDMI IN:Connect the HDMI signal source such as laptop, camera,STB which with HDMI outout interface.
- (5) LOCK: Green light,when the product detect the signal in, it will light.

VII. Connection and Installation



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