

HDMI TO SD/HD/3G SDI WITH SID LOOP OUT CONVERTER

HD VIDEO CONVERTER

User Manual

HDMI TO SD/HD/3G SDI With SDI Loop out Converter

Bring High-Definition to your life!

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting,

HDMI TO SD/HD/3G SDI WITH SID LOOP OUT CONVERTER

operating or adjusting this product. Please keep this manual for future reference.

1.0 Introduction

The HDMI to SDI Converter allows HDMI signals to be shown on SDI display while ensuring high bit rates of 2.970 Gbit/s to give you high resolution signal without any loss. For professionals this means that it is now easier to convert your high def HDMI signal with audio to SDI for long distance transmission and display your work on SDI display.

2.0 Features

2.01 Support HDMI1.3 HDCP1.1/1.2

2.02 Shows HDMI source on SDI display.

SDI interface operates at bitrates of 2.970 Gbit/s, 2.970/1.001 Gbit/s, 1.485 Gbit/s, 1.485/1.001 Gbit/s and 270 Mb/s.

2.03 Supports HDMI input timings: 480i@59.94, 576i, 720p@50/59.94/60, 1080i@50/59.94/60, 1080p@23.98/24/25/29.97/30/50/59.94/60.

2.04 Converts HDMI signal to SDI:

480i/576i to SD-SDI (SMPTE 259M-C, at bitrates of 270 Mbit/s)

720p/1080i to HD-SDI (SMPTE 292M, at bitrates of 1.485 Gbit/s or 1.485/1.001 Gbit/s)

1080p to 3G-SDI (SMPTE 424M/425M-AB, at bitrates of 2.970 Gbit/s and 2.970/1.001 Gbit/s)

2.05 Supports SDI output distance up to 100 meters (3G-SDI), 200 meters (HD-SDI), or 300 meters (SD-SDI)

3.0 Packaging accessories:

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

(1)HDMI TO SDI CONVERTER-----1Pcs

(2)5V DC Power Adaptor-----1Pcs

(3)User Manual-----1Pcs

4.0 Specifications

Input Port -----1 x HDMI

Output Ports-----2x BNC (SDI/HD-SDI/3G-SDI)

SDI Transmission Rates-----2.970 Gbit/s and 2.970/1.001 Gbit/s

In/Output Resolution-----480i, 576i, 720p@50/59.94,60 ,1080i@50/59.94/60
1080p@23.97/24/25/29.97/30/50/59.94/60

Power Supply-----DC 5V

HDMI TO SD/HD/3G SDI WITH SID LOOP OUT CONVERTER

ESD Protection Human body model-----	±8kV (air-gap discharge) ±4kV (contact discharge)
Dimension-----	100mm x 65mm x 25mm
Weight-----	200g
Operating Temperature-----	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature-----	20°C ~ 60°C / -4°F ~ 140°F
relative Humidity-----	20 ~ 90% RH (Non-condensing)
Power Consumption (Max)-----	5W

5.0 Panel introduction

Please study the panel drawings below and become familiar with the signal input(s), output(s) and power requirements.



HDMI IN-----HDMI Input interface
PWR-----Power Input Status Indication
DC 5V-----Power Input interface
SDI OUT1-----SDI Output1 interface
SDI OUT2-----SDI Output2 interface

6.0 Connection and operation

- 6.01 Connect the HDMI Cable between HDMI signal source and HDMI INPUT of converter.
- 6.02 Connect the Coaxial Cable between converter and SDI display.
- 6.03 Connect the power adapter between converter and outlet.
- 6.04 Open the power supply of HDMI signal source and the display. Choose corresponding input ports, then it works.

WARNING

- 1) Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases ,shall be placed on the apparatus.
- 2) Do not install or place this unit a bookcase, built-in cabinet or in another confined space ensure the unit is well ventilated.
- 3) To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
- 4) Do not install near any heat sources such as radiators, heat registers, Stoves or other apparatus(including amplifiers)that product heat.
- 5) Do not place sources of naked flames, such as lighted candles, on the unit.

HDMI TO SD/HD/3G SDI WITH SID LOOP OUT CONVERTER

- 6) Clean this apparatus only with dry cloth.
- 7) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 8) Protect the power cord from being walked on or pinched particularly at plugs.
- 9) Only use attachments/accessories specified by the manufacturer.
- 10) Refer all servicing to qualified service personnel.

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzine to clean this unit.