

MINI 3G HDMI to SDI Converter

User manual

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

I. Introduction

The MINI 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.

II. Features

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.

Supports HDMI input timings: 720p@50/59.94/60,

1080i@50/59.94/60, 1080p@23.98/24/25/29.97/30/50/59.94/60.

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)

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

III. Package

3G HDMI to SDI Converter

5V1A DC Power Supply Adaptor

Operation Manual

IV. Specifications

Input Port 1 x HDMI

Output Port 1 x BNC (SDI/HD-SDI/3G-SDI)

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

In/Output Resolution 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 -12V

ESD Protection Human body model $\pm 8\text{kV}$ (air-gap discharge) ,

$\pm 4\text{kV}$ (contact discharge)

Dimension 80mm x 41mm x 25 mm

Weight 150g

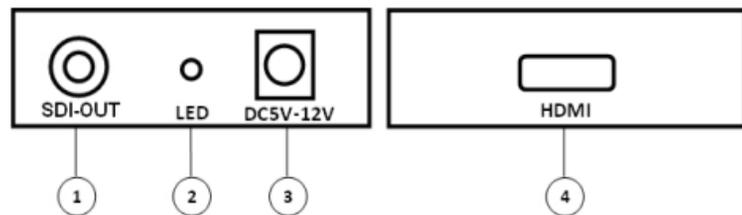
Operating Temperature $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ / $32^{\circ}\text{F} \sim 104^{\circ}\text{F}$

Storage Temperature $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ / $-4^{\circ}\text{F} \sim 140^{\circ}\text{F}$

relative Humidity 20 ~ 90% RH (Non-condensing)

Power Consumption (Max) 5W

V. Operation controls and Fuctions



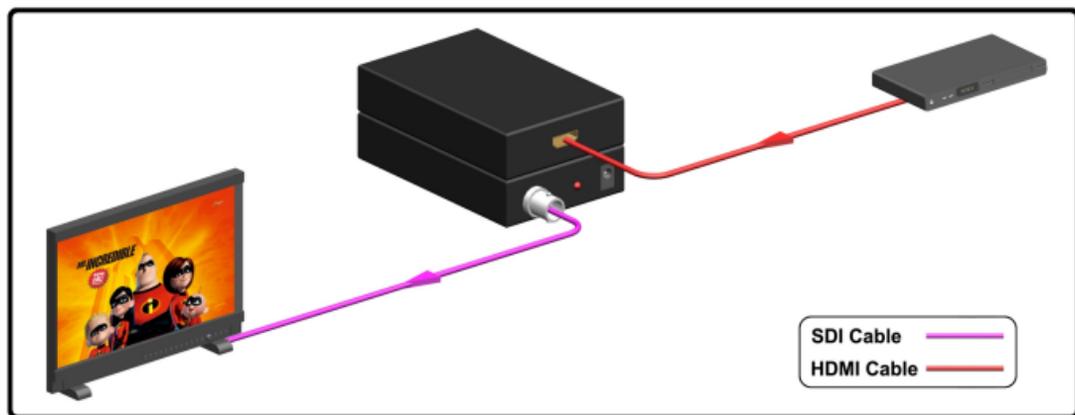
SDI-OUT: This slot is where you connect the SDI display with coaxial cable .

POWER LED: This red LED illuminate when the device is connected with power supply.

DC IN: Plug the 5V-12V DC power supply into the unit.

HDMI IN: This slot is where you connect the HDMI source with HDMI cable.

VI. Application Example



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