

HDMI to SDI Converter



User manual

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

II. Features

SDI interface bitrates of 2.970 Gbit/s, 2.970/1.001 Gbit/s, 1.485 Gbit/s, 1.485/1.001 Gbit/s & 270 Mb/s.

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.

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)

III. Package

HDMI to SDI Converter

5V 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 480i, 576i, 720p@50/59.94,60 ,1080i@50/59.94/60

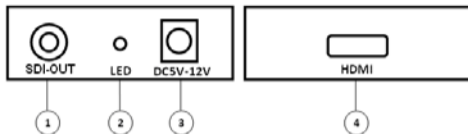
1080p@23.97/24/25/29.97/30/50/59.94/60

Power Supply DC 5V -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

V. Operation controls and Functions



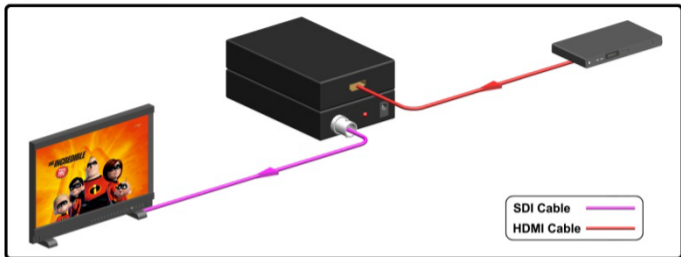
SDI-OUT: This socket connects to an SDI display.

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

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

HDMI IN: This socket connects to an HDMI source.

VI. Application Example



IMPORTANT:

- Never attempt to open, repair or modify any part of this unit or its accessories.
- Never get any part of the device or its accessories wet.
- Failure to adhere to these points will result in a void of warranty.