ADERTECH

VC-H-3G

MINI HDMI to 3G SDI Converter



User manual

Thank you for purchasing this product

We have done everything possible to ensure that our equipment pleases our consumers. When solving any problems in the operation and connection ADERTECH equipment, it is best to contact authorized companies and specialists who work with our equipment. Our equipment is intended for professional use, so you have professional skills in using such equipment. ADERTECH is a manufacturer of a wide range of multimedia solutions.

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.

■ 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: 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)

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

■ Package

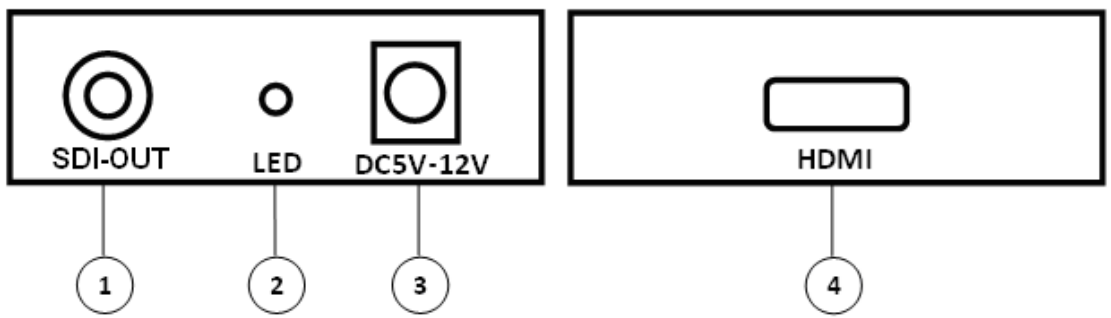
1. 3G HDMI to SDI Converter
2. 5V DC Power Supply Adaptor
3. Operation Manual

■ 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@23.97/24/25/7/30/50/59.94/60
Power Supply	DC 5V -12V
ESD Protection Human body model	±8kV (air-gap discharge) , ±4kV (contact discharge)
Dimension	80mm x 41mm x 25mm
Weight	150g
Operating Temperature	0°C ~ 40°

Storage Temperature	-20°C ~ 60°C
Relative Humidity	20 ~ 90% RH (Non-condensing)
Power Consumption (Max)	5W

■ **Operation controls and functions**



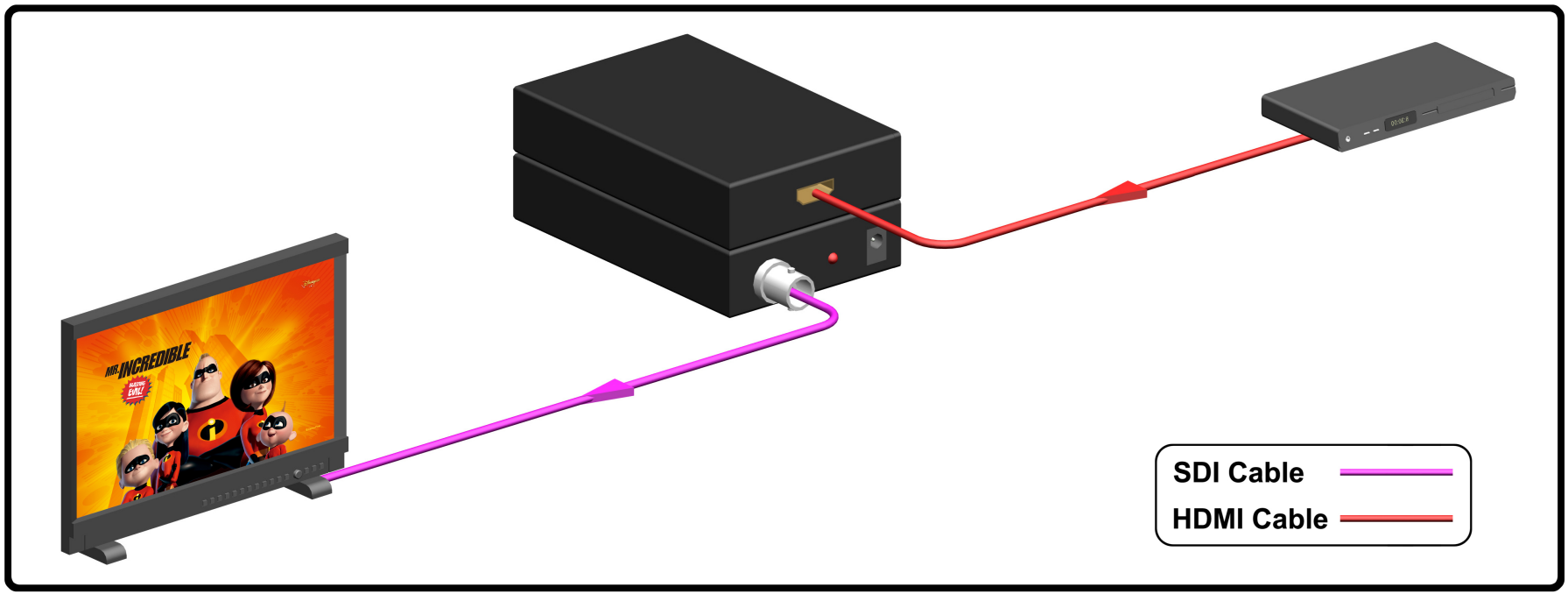
SDI-OUT: This slot is where you connect the SDI display with coaxial cable

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

■ Application Example



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