

Model : ATZ VC-HDMI-SDI
Description : HDMI TO SD/HD/3G SDI CONVERTER



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 definition 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)

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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 Port1	1x HDMI
Output Port	1x 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
ESD Protection Human body model	±8kV (air-gap discharge)
	±4kV (contact discharge)
Dimension	82mm x 43.5mm x 23mm
Weight	150g
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-----HDMI Input interface
- DC 5V-----Power Input interface
- LED-----Power Input Status Indication
- SDI-----SDI Output interface

6.0 Connection and operation

6.01 Connect the HDMI Cable between HDMI signal source and HDMI INPUT of converter.

Model : ATZ VC-HDMI-SDI

Description : HDMI TO SD/HD/3G SDI 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 to work.

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.
- 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.