ADERTECH

VC-3G-H



3G-SDI to HDMI Converter

User Manual Version 1.1

Introduction

The MINI SDI to HDMI converter allows SD-SDI, HD-SDI and 3G-SDI signals to be shown on HDMI displays while ensuring high bit rates of 2.970 Gbit/s to give you fast signal transmission without any loss. For professionals this means that it is now easier to distribute and extend your 3G SDI signal while giving you the ability to display your work on HDMI displays thanks to the built in HDMI converter.

■ Features

1. Operation at 2.970Gbit/s, 1.485Gbit/s and 270Mbits/s
2. Supports SMPTE 425M, SMPTE 424M, SMPTE 292M, SMPTE 259M-C
3. Equalized and re-clocked loop output Integrated audio de-embedder for a maximum of 8 channel, 48 kHz audio
4. Conversion from SMPTE 425M level B to Level A 1080p 50/59.94/60 4:2:2 10-bit
5. Connect with other units to extend your signal over long distances

■ Package

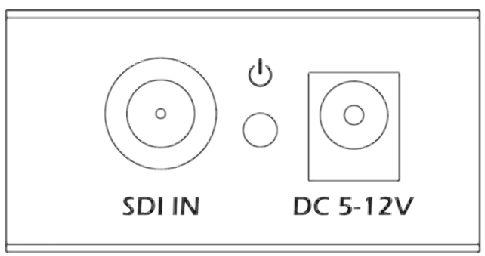
1. 3G SDI to HDMI Converter
2. 5V DC Power Supply Adaptor
3. Operation Manual

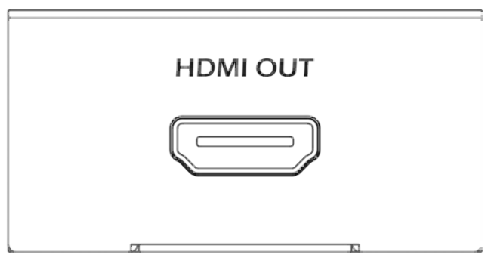
■ Specifications

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





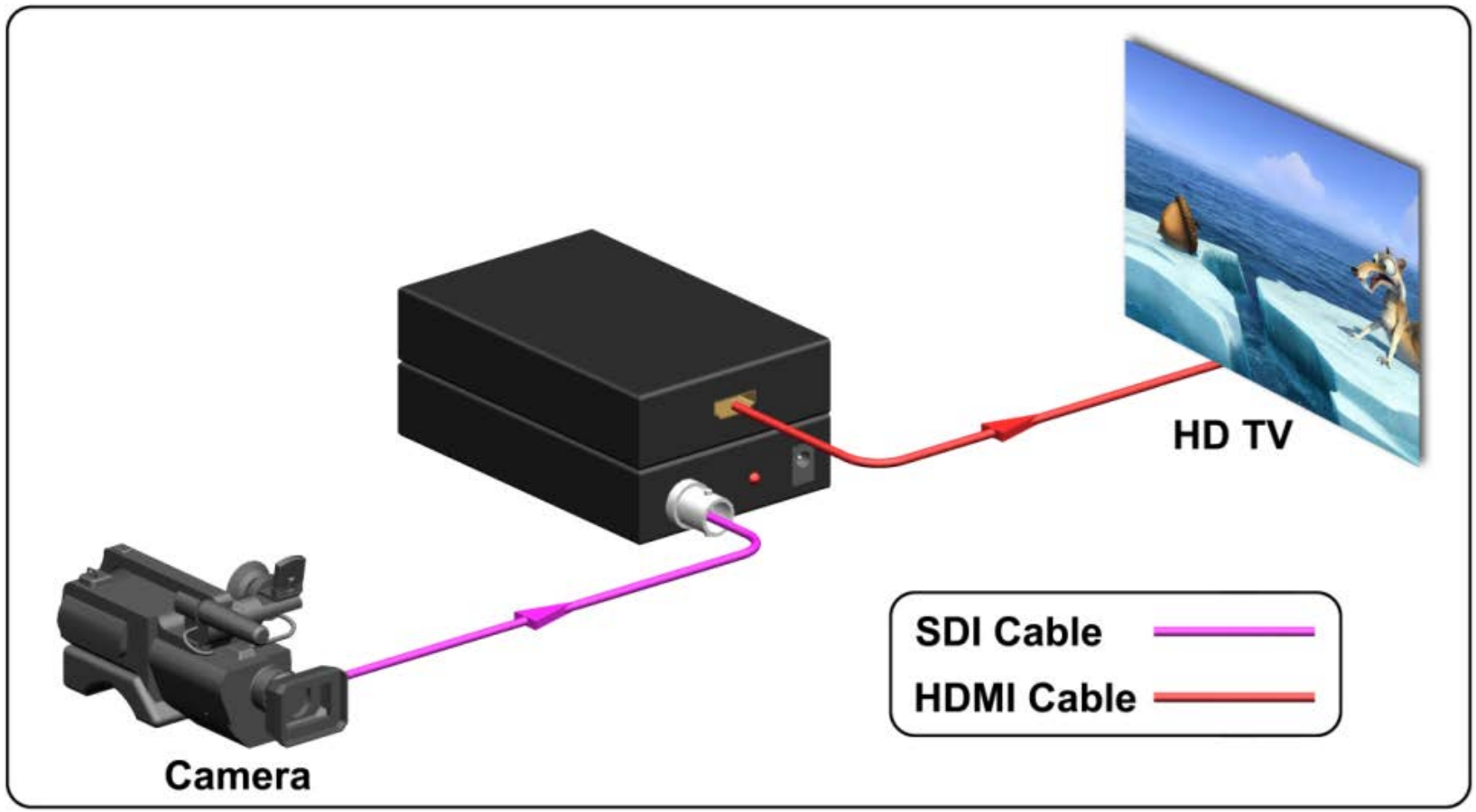
1. **SDI IN:** This slot is where you connect the SDI source output.

2. **POWER LED:** This red LED illuminate when the device is connected to power supply.

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

4. **HDMI OUT:** This slot is where you connect the HDMI display with HDMI cable.

■ Application Example



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