

OG omni: gates



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## MINI 3G HDMI® to SDI CONVERTER

SKU: 31001078

User's Manual

*Thank you for purchasing Mini 3G HDMI® to SDI Converter. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.*

## **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**

1. Shows HDMI source on SDI display
2. 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
3. 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
4. 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)

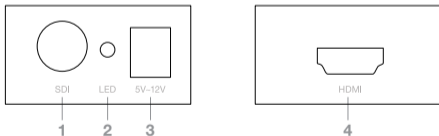
## PACKAGE CONTENTS

1x 3G HDMI to SDI Converter

1x 5V DC Power Supply Adapter

User's Manual

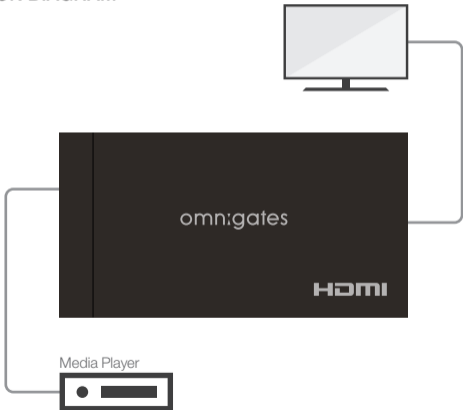
## PRODUCT OVERVIEW



1. SDI OUT: Connect with SDI display with coaxial cable
2. Power Indicator - Illuminates when connected to power supply

3. DC In - Plug in included power adapter
4. HDMI In - Connect with HDMI devices

## CONNECTION DIAGRAM



## SPECIFICATIONS

Input Port	: 1 HDMI
Output Port	: 1 BNC (SDI/HD-SDI/3G-SDI)
SDI Transmission Rates	: 2.970 Gbit/s and 2.970/1.001 Gbit/s
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
ESD Protection	: ±8kV (Air-gap discharge) / ±4kV (Contact discharge)
Dimensions	: 3.1" x 1.6" x 1.0"
Weight	: 150g
Power Consumption	: 5W
Operating Temperature	: 32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	: -4°F ~ 140°F (-20°C ~ 60°C)
Relative Humidity	: 20 ~ 90% RH (Non-condensing)

## REGULATORY COMPLIANCE

Notice for FCC



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifying the equipment without Omnigates' authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Radio Notice for FCC

Caution

This FCC Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Omnigates, including the use of non-approved antennas, could void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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