



HDMI to 3GSDI Converter



EXT-HD-3G-C



Use an HDMI source with an SDI display or downstream equipment

The Gefen HD-3G-C converts audio and video from HDMI to 3G-SDI and single link HD-SDI. Resolutions up to 1080p Full HD and audio formats up to 8 channels of LPCM are supported. This product is fully compatible with the Gefen Syner-G™ software suite. The Gefen Syner-G™ is a powerful set of software tools specifically designed to help discover, configure/customize, manage, monitor, and upgrade Gefen products. The Gefen EXT-HD-3G-C's compact enclosure, while light enough to be held in place using double sided Velcro® tape, features an ISO standard 1/4-20 attachment provision as well as a detachable surface-mounting bracket. This, along with a flexible power input circuitry capable of accepting a wide range of DC voltages and a locking power supply connector, make the EXT-HD-3G-C ideal for cutting edge mobile A/V applications as well as high performance fixed installations.

How It Works

This product can be installed on camera gear via an industry-standard 1/4-20 attachment thread located on the bottom of the unit. It can also be surface-mounted using the included surface mounting bracket. The EXT-HD-3G-C is light and compact enough to be held in place using Velcro® if your particular installation does not allow for the two preferred methods of installation described above. Set the DIP switches as necessary. Connect an SDI cable between the output of the EXT-HD-3G-C and an SDI display or other downstream equipment. Connect the HDMI source to the HDMI input of the EXT-HD-3G-C using the included Locking HDMI cable. Connect the included 12V DC power supply to the 3GSDI to HDMI Converter's power supply jack and to an available electrical outlet. To remove the power supply plug from the unit, disengage the lock by pulling back on its plastic sleeve. The power LED indicator will glow in blue to indicate that the unit is powered on. The HDMI In LED indicator will glow in green to indicate that an active HDMI source is present. Use the USB Mini-B port with Gefen Syner-G™ software suite for EDID customization as well as performing firmware updates. See the user manual for details.

NOTE: The Gefen EXT-HD-3G-C is not compatible with HDCP encoded HDMI content. If the input signal is HDCP-encoded, there will be no SDI output.

Features*

- Converts HDMI to SDI
- Input resolutions up to 1920 x 1200 (WUXGA) and 1080p Full HD
- Output resolutions up to 1080p60
- Supports HDMI 12 bit color and SDI 10-bit color
- Supports Color Spaces: 4:4:4 (RGB and YCbCr) and 4:2:2 (YCbCr)
- Supports 3G-SDI Levels A and B
- Up to LPCM 7.1 audio support
- Field configurable via DIP switch settings or Gefen Syner-G™ software
- Gefen Syner-G™ simplifies in-field firmware updates and advanced EDID management
- Mini USB port for use with Gefen Syner-G™
- Wide power supply operating range (6V to 24V DC)
- Locking power supply connector
- 1/4-20 industry-standard camera gear attachment thread on bottom
- Surface-mountable using the included detachable bracket

Specifications*

- Maximum Pixel Clock: 150 MHz
- Maximum TMDS Clock: 225 MHz
- Video Input Connector: (1) HDMI Type A 19-pin, female, locking
- Video Output Connector: (1) SDI BNC-type, female
- USB Connector: (1) Mini-B
- Configuration Switches: (3) DIP-type
- HDMI Indicator: (1) LED, green
- Power Indicator: (1) LED, blue
- Power Supply Connector: (1) 3-pin, locking
- Power Supply: 12V DC nominal (6V to 24V DC operating range)
- Power Consumption: 3W maximum
- Operating Temperature: +32 to +122 °F (0 to +50 °C)
- Operating Humidity: 5% to 90% RH, non-condensing
- Storage Temperature: -4 to +185 °F (-20 to +85 °C)
- Storage Humidity: 0% to 95% RH, non-condensing
- MTBF: 50000 hours
- Dimensions (excluding connectors, W x H x D): 2.9" x 1.2" x 2.3" (74mm x 30mm x 59mm)
- Net Unit Weight: 0.3 lbs (0.15 kg)

This product has been specifically designed for use with the Gefen Syner-G™ Software Suite, available for download at www.gefen.com. In addition to all the configuration settings that are available via the DIP Switches, the Gefen Syner-G™ simplifies in-field firmware updates and provides the ability to configure this converter for custom EDID settings.



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