



HDMI & VGA to 3GSDI Scaler/Converter



EXT-HDVGA-3G-SC



Switch video and audio from an HDMI and a VGA source, scale the picture, and output it to an SDI device

The Gefen HDVGA-3G-SC scales and converts video from an HDMI or a VGA source to SDI formats, including 3G-SDI and single link HD-SDI. It can also embed HDMI audio or analog L/R audio into the SDI stream. Video can be scaled up to 1080p Full HD. An intuitive and comprehensive on-screen display (OSD) menu allows easy set-up and control. This product can be configured and updated using 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. Wide power supply operating range of 6V to 24V DC offers installation flexibility for mobile use, in complex studio systems with a common power supply, and with remotely located power sources. A locking power supply connector, small footprint, and a surface-mountable enclosure facilitate easy and secure installation.

How It Works

Use the included HDMI and VGA cables to connect an HDMI source to the HDMI input and/or a VGA source to the VGA input. If you will be embedding analog L/R audio into the SDI stream, connect the included 3.5mm mini-stereo cable from the source to the L/R audio input. Connect an SDI display or other downstream equipment to the BNC video connector output. Connect the included 12V DC power supply to the unit and to an available electrical outlet. The power LED will glow in blue once the power supply is plugged in. Once the unit is powered-on, the HDMI and VGA buttons can be used to select the desired input. Once an input is selected, the corresponding LED will glow in green. To bring up the On-Screen Display (OSD), press the Menu button. Use the Up and Dn (down) buttons to navigate through the various functions of the OSD.

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 from the On Screen Display, the Gefen Syner-G™ simplifies in-field firmware updates and provides the ability to configure this scaler/converter for custom input timings.

Features*

- Converts and scales HDMI and VGA and L/R analog audio to SDI
- Input resolutions up to 1920 x 1200 (WUXGA) and 1080p60
- Output resolutions up to 1080p60
- On-screen display (OSD) menu allows easy set-up and control
- Aspect Ratio Control: Full Screen, Panoramic, Letter/Pillar, Extract/Crop
- Test Pattern Generator for quick system configuration
- Embeds 2-channel analog stereo audio in SDI signal (VGA Input only)
- Up to LPCM 7.1 audio support (HDMI input only)
- Gefen Syner-G™ simplifies in-field firmware updates and advanced EDID management including custom input timings
- USB port for use with Gefen Syner-G™
- Wide power supply operating range (6V to 24V DC)
- Locking power supply connector
- Surface-mountable

Specifications*

- Maximum Pixel Clock - HDMI and VGA Inputs: 165 MHz
- Maximum Pixel Clock - SDI Output: 150 MHz
- Maximum TMDS Clock: 225 MHz
- Video Input Connectors: (1) HDMI: Type A 19-pin, female, locking
(1) VGA: HD-15, female
- Audio Input Connector: (1) 3.5mm mini-stereo jack
- Video Output Connector: (1) SDI, BNC-type, female
- USB Connector: (1) Mini-B
- Input Select/Menu/Navigation Switches: (3) tact-type
- HDMI Indicator: (1) LED, green
- VGA 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: 5W 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):
5.6" x 1.2" x 3.7" (141mm x 30mm x 93mm)
- Net Unit Weight: 0.5 lbs (0.23 kg)

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

1080P
PROGRESSIVE

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