VGA & Audio to HDMI Scaler/Converter

EXT-VGAA-HD-SC

Scale and convert video and audio from a VGA source for use with an HDMI Display

The Gefen EXT-VGAA-HD-SC scales and converts video from a VGA source to digital video from an HDMI output. It can also embed analog L/R audio into HDMI. Video can be scaled up to 1080p Full HD and 1920 x 1200 (WUXGA). 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 VGA cable to connect a VGA source to the VGA input. Connect the included 3.5mm mini-stereo cable from the source to the L/R audio input. Use a Gefen locking HDMI cable to connect a display to the HDMI 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 connected, powered on, and displaying video, press the Menu button to bring up the On-Screen Display (OSD). The Up and Dn (down) buttons are used 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 VGA and L/R analog audio to HDMI
- Input resolutions up to 1920 x 1200 (WUXGA)
- Output resolutions up to 1080p60 and 1920 x 1200 (WUXGA)
- 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 HDMI signal
- 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: 165 MHz
- Maximum TMDS Clock: 225 MHz
- Video Input Connector: (1) VGA HD-15, female
- Video Output Connector: (1) HDMI Type A 19-pin, female, locking
- Audio Input Connector: (1) 3.5mm mini-stereo jack
- USB Connector: (1) Mini-B
- Menu/Navigation Switches: (3) tact-type
- 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: 2.6W 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):
  4.9" x 1" x 3.2" (123mm x 26mm x 82mm)
- Net Unit Weight: 0.4 lbs. (0.2kg)

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

1080P PROGRESSIVE

VER A1