

## Gefen EXT-HDMI1.3-2-3GSDIS HDMI 1.3 to 3G-SDI Scaler

**Convert and Scale HDMI to 3G-SDI with Multichannel Embedded Audio and high-res 1080p/60 Hz output.** The Gefen HDMI 1.3 to 3G-SDI Scaler outputs an HDMI signal as SDI/HD-SDI or 3G-SDI with resolutions supported up to 1080p/60 Hz and 2K (2048x1080/60) on two SDI output connectors along with dual link HD-SDI. HDMI embedded audio is supported at up to 7.1 channels.

An advanced chipset enables features such as: Genlock, Color & Gamma Correction, Noise Reduction, Detail Enhancement, Aspect Ratio Selection, Pattern Generator Mode, & Multiple Languages through on-screen display (OSD) Menu Support. The genlock reference input provides the capability of syncing the unit with the customer's house signal. **How It Works** Connect an HDMI source to the input and a 3G-SDI display to the output. Power up the device and video signals are automatically converted to the proper format, enabling the conversion and scaling to take place.

### Note: HDMI 1.3 Features Supported:

- 225 MHz Video Bandwidth
- 10-bit Deep Color
- xyYCC
- Up to 8 channels embedded audio within the HDMI A/V output stream

### Features:

- 10-bit color depth for greater precision and dynamic range
- Proprietary 10-bit motion adaptive video de-interlacing with edge interpolation
- Output is mirrored onto two identical SDI outputs (BNC female)
- Max. active image size of 2048 samples x 2048 lines PBP processing
- Friendly OSD (On-Screen Menu Display) guides the user through operations
- Pattern mode w/color bars & coarse hatch patterns at 720p/60
- RS-232 serial port for field-upgradeable firmware
- IR remote control included
- Latency: 1 frame (when in Genlock mode)
- Advanced noise reduction and detail enhancement
- French/English menu set
- 2D scaling engine

### Specifications:

- Input Video Bandwidth: 225 MHz
- Output Video Bandwidth: up to 3.0 Gbps
- Maximum Output Resolutions : 1080p/60Hz and 2K (2048x1080p/60)
- HDMI Input Connector: (1) Type A 19 pin female, &34;Reference Input&34;
- 3G-SDI Output Connectors: (2) BNC female (Mirrored outputs)
- SDI Compliant (SMPTE 259M, up to 360 Mb/s)
- HD-SDI Compliant (SMPTE 292M, up to 1.485 Gbps)
- 3G-SDI Compliant (SMPTE 494M/495M, up to 3.0 Gbps)
- HDMI 1.3 compliant
- Power Consumption: 20 Watts (max) per power supply
- Power Supply: 5V DC
- Rack Size: 1U (half-width)
- Dimensions: 7.5&39;&39;D x 8.2&39;&39; W x 1.7&39;&39;H
- Shipping Weight: 4 lbs

### Package Includes:

- (1) HDMI to 3GSDI Scaler
- (1) HDMI Cable 6ft (M-M)
- (1) 5V Power Supply
- (1) IR Remote Control
- (1) Set of Rack Ears
- (1) DB9 Serial Cable (M-F)
- (1) Users Manual