

# Gefen GEF-HD-2-3GSDIS GefenPRO HDMI to 3G-SDI Scaler

HDMI Converted to 3G-SDI with Scaling, Multichannel Audio and Genlock

The GefenPRO HDMI to 3GSDI Scaler converts from HDMI source to single link or dual link SDI formats on the output. Resolutions scaled up to 1080p, 1920x1200 and 2K with genlock and up to 8 channels of audio is supported. The built-in S/PDIF audio output can be used to send digital audio to a separate A/V receiver. This product uses the VXP scaler which provides high-performance scaling plus additional features: Adaptive video interlacing with edge interpolation, advanced noise reduction, alpha blending, image enhancement, and a fully-integrated menu system. This product supports SDI, HD-SDI, and 3G-SDI SMPTE 425-A and 425-B formats. The GefenPRO HDMI to 3GSDI Scaler provides superior 3G-SDI video packaged in a single rack mount unit with an internal power supply.

## How It Works

Connect a Hi-Def source to the GefenPRO HDMI to 3GSDI Scaler with the supplied HDMI cable. Connect the 3G-SDI device to the BNC video connectors on the output. Use another coax cable to connect an external clock to the Reference-In BNC connector. Connect a digital audio cable between the S/PDIF connector on the product and the A/V receiver. Apply power to the source and 3G-SDI device and apply power to the product. The Hi-Def source will be converted to 3G-SDI. Use the IR remote control unit to navigate the built-in menu system to control the scaling features on the 3G-SDI output.

## Note: Supported HDMI 1.3 Features:

- 225 MHz Video Bandwidth
- 10-bit Deep Color
- x.v.Color
- Up to 8 channels of digital multichannel audio

## Features:

- Supports resolutions up to 1080p, 1920x1200 and 2K
- 10-bit resolution for greater precision and dynamic range
- Proprietary 10-bit motion adaptive video de-interlacing with edge interpolation for HD / SD formats
- Supports 8 channels of digital multichannel audio
- 3G-SDI (SMPTE 424M/425M, up to 3.0 Gbps)
- HD-SDI (SMPTE 292M, up to 1.485 Gbps)
- SDI (SMPTE 259M, up to 360 Mb/s)
- Supports 3G-SDI SMPTE 425-A and 425-B (4:2:2 only)
- Advanced noise reduction and detail enhancement
- Fully integrated sprite based multi-plane OSD controller
- Frame rate conversion to / from any refresh rate
- Pattern mode with color bars and cross hatch patterns
- Color Correction
- Noise Reduction
- RS-232 Control
- IR Control
- Internal Power Supply
- Field-upgradeable firmware using USB
- Genlock support
- Rack-mountable

## Specifications:

- Input Video Bandwidth: 225 MHz
- Output Video Bandwidth: 3.0 Gbps (max.)
- Maximum Output Resolutions: 1080p, 1920x1200 and 2K
- HDMI Input Connector: Type A 19-pin female
- 3G-SDI Reference Input Connector: BNC male
- 3G-SDI Output Connectors: (2) BNC
- External Audio Connector: S/PDIF (RCA)
- USB Connector: Type B
- RS-232 Interface: DB9 female
- Power Connector: IEC
- Power Supply: 110/120V (internal)
- Power Consumption: 20 Watts (max.)
- Rack Size: 1U
- Dimensions: 17.25" W x 6.7" 'D x 1.75" 'H
- Shipping Weight: 7 lbs.

## Package Includes:

- (1) GefenPRO HDMI to 3GSDI Scaler

- (1) 6 foot Locking HDMI Cable (M-M)
- (1) DB9 Serial Cable (M-F)
- (1) IR Remote Control Unit
- (1) AC Power Cord
- (1) Set of Rack Ears
- (1) User Manual