

GefenPRO

Convert From 3G-SDI Sources to HDMI With Scaling and Separate Digital Audio Outputs



GEF-3GSDI-2-HDS

Combines 3G-SDI and HDMI Equipment for Superior Integration Options

The GefenPRO 3GSDI to HDMI Scaler converts a single or dual link SDI source to HDMI and scales it on the output. Resolutions up to 1080p and 2K with up to eight channels of audio are supported. The built-in S/PDIF audio output can be used to send multichannel digital audio to a separate A/V receiver. This product uses a VXP Scaler which provides high-performance scaling in addition to cadence detection, frame rate conversion, advanced noise reduction, detail enhancement and a fully integrated menu system. SDI, HD-SDI, and 3G-SDI SMPTE 425-A and 425-B input formats are all supported. The GefenPRO 3GSDI to HDMI Scaler provides superior 3G-SDI to HDMI conversion and scaling packaged in a single rack mountable unit with a built-in internal power supply.

How It Works

Connect a 3G-SDI input source to the GefenPRO 3GSDI to HDMI Scaler. Connect the HDTV display to the product using an HDMI cable. Connect a digital audio cable between the S/PDIF connector on the product and the A/V Receiver. Apply power to the 3G-SDI source, the HDTV display and the scaler. The 3G-SDI source will be converted to HDMI. Use the IR remote to control the scaling features on the HDMI output.

Features

- Maximum image output resolution supported: 2048 x 1080p (2K)
- Pattern generation of color bars, and cross-hatch patterns
- 10-bit Deep Color support at when using YCbCr 4:4:4 or RGB 4:4:4 output color spaces
- Four aspect ratio modes (Full Screen, Panoramic, Letter/Pillar Box, Extract/Crop)
- Film Mode (produces a progressively scanned output image from an interlaced scanned input image accounting for cadence (e.g. 3:2 / 2:2 pull-down))
- Configuration of clean aperture size and position
- Supports black burst (bi-level sync) and tri-level sync genlock
- SDI audio channel selection for audio output
- Fully integrated sprite-based Menu System
- Supports 8-Channel PCM audio and Dolby Digital/DTS AC3-encoded audio
- Custom frame rate and/or video timings on output
- Digital audio output (S/PDIF Coax)
- RS-232 port for automation
- Rack-mountable

Specifications*

- Input Video Bandwidth: Up to 2 x 2.97Gbps (Two 3G-SDI BNC connectors)
- Maximum Pixel Clock: 225MHz
- Video Input Connectors: (2) 3G-SDI (BNC female)
- Video Loop Output Connectors: (2) BNC, female
- Video Output Connector: (1) HDMI Type A 19-pin, female
- Audio Output Connector: (1) S/PDIF (Coax RCA female)
- USB Port: (1) USB 2.0 Type B (for firmware updates only)
- RS-232 Port: DB-9, female for automation
- Power Supply: 100 - 240V AC (Internal)
- Power Consumption: 20W (max.)
- Rack size: 1U (rack ears included)
- Dimensions: 17.2" W x 6.7" D x 1.75"H
- Shipping Weight: 6 lbs.

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