

GefenPRO[®]

3G-SDI Scaler with Genlock and Frame Synchronization



GEF-3GSDI-2-3GSDIS

A Scaler and Synchronizer for SDI, HD-SDI, and 3G-SDI

The GefenPRO 3GSDI-2-3GSDIS provides high-performance scaling and frame synchronization, adjustable cadence detection, frame rate conversion, detail enhancement, and advanced noise reduction.

It is compatible with SDI, HD-SDI, or 3G-SDI video formats and supports resolutions up to 1080p Full HD and 2048 x 1080 (2K).

This product can be used as a standalone frame synchronizer without scaling. When frame synchronization is required, the video output of one source (or a reference signal) can be used to Genlock another input source. Genlock Mode, as well as all features of this up/down scaler, can be controlled through the built-in menu system using the IR Remote or the RS-232 control.

How It Works

Connect the SDI sources to the SDI inputs. Connect downstream SDI equipment to the SDI scaler outputs. Convenient SDI loop-through output connectors and an RCA Coax (S/PDIF) audio output allow monitoring of the video and audio. An external Genlock source may also be connected to the Genlock BNC connector.

The 3GSDI Scaler can be configured using the IR Remote, the On-Screen Display (OSD) menu, or the RS-232 port. A USB port is also provided for future firmware upgrades.

Features*

- Digital audio output
- Adjustable cadence detection
- Advanced noise reduction and detail enhancement
- Frame-rate conversion
- Fully integrated sprite-based Menu System
- Built-in pattern generator with Color Bars and Hatch Pattern
- Serial (RS-232) control for automation
- IR Remote Control
- Field-upgradeable firmware via USB port
- Rack-mountable (rack ears included)

Specifications*

- Supported standards:
 - SD-SDI (SMPTE 259M)
 - ED-SDI (SMPTE 344M)
 - HD-SDI (SMPTE 292M)
 - Dual-Link HD-SDI (SMPTE 372M)
 - 3G-SDI (SMPTE 424M)
- Supported resolutions:
 - 480i / 576i
 - 720p / 1080p / 1080sf / 2K-p / 2K-sf @ 23.98 Hz
 - 720p / 1080p / 1080sf / 2K-p / 2K-sf @ 24 Hz
 - 720p / 1080p / 1080sf @ 25 Hz
 - 720p / 1080p / 1080sf @ 29.97 Hz
 - 720p / 1080p / 1080sf @ 30 Hz
 - 576p / 720p / 1035i / 1080i / 1080p @ 50 Hz
 - 480p / 720p / 1035i / 1080i / 1080p @ 59.94 Hz
 - 1080i / 1080p @ 50M Hz
 - 720p / 1080i / 1080p @ 60 Hz
- Input Video Bandwidth: 2 x 2.97 Gbps
- Output Video Bandwidth: 2 x 2.97 Gbps
- Connectors:
 - SDI Inputs: (2) BNC female
 - SDI Outputs: (2) BNC female
 - Genlock Input: (1) BNC female
 - Digital Audio S/PDIF Output: (1) RCA female
 - USB Port: (1) Type B female
 - RS-232 Port: (1) DB-9 female
 - AC Inlet: (1) IEC type
- Power Supply: 100-240V (internal)
- Dimensions (W x H x D): 16.8" x 1.75" x 7"
(428mm x 44.5mm x 178mm)
- Shipping Weight: 6 lbs (2.72 kg)

Gefen, LLC
20600 Nordhoff Street, Chatsworth CA 91311
Tel. (818) 772-9100 (800) 545-6900 Fax (818) 772-9120
www.gefenpro.com

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