

High Definition 1080p Scaler



GTB-HD-1080PS

Automatically Adjusts Video to Match any Connected Display's Native Resolution

The GefenToolBox High Definition 1080p Scaler allows you to upscale or downscale one HDMI or DVI input to one HDMI output with 1080p FullHD and Deep Color. This unit can improve the quality of the image if your display has an inexpensive built-in scaler. This is done by outputting the video set to the native resolution of the display, bypassing the display's internal scaler to assure the best quality video possible. This unit will automatically detect your display's max resolution and scale any input resolution without any further adjustments. Video can also be manually scaled up and down in all resolutions up to 1080p FullHD. This product can also be used to downscale, making it ideal for distributing a Hi-Def signal to multiple displays that do not support the same max resolutions in a matrix for HDMI system.

How It Works

Simply connect the GefenToolBox High Definition 1080p Scaler to your lowest resolution display, and all other connected displays can receive 1080p full HD video. Select the audio input by using the front panel switch on the unit or by using the included IR remote control. The GefenToolBox High Definition 1080p Scaler is conveniently wall-mountable so it can be easily installed behind the display. It offers RS-232 control and is field upgradeable. When not in use, this new Scaler will automatically go into standby mode to prevent excessive power consumption.

Features:

- Digital Hi-Def inputs are format converted and pixel re-scaled at 1080p to match the native resolution of your display
- DVI/HDCP/HDMI compliant input: Operates at bandwidths up to 165MHz (up to 1920 x 1200)
- Supports Dolby Digital, DTS-HD-MA, Dolby TrueHD and up to 8 channel LPCM
- Supports digital HD output up to 1080p and 1080p true movie pass-thru
- Integrated 8-bit triple-ADC/PLL
- Dual high quality scaling engines and dual 3D motion video source adaptive deinterlacers w/ smooth low angle edge
- Auto 3:2 pull-down and 2:2 pull-down detection & recovery
- High performance frame rate conversion engine
- Proprietary Advanced Color Engine Technology for brilliant and fresh color, intensified contrast and details, vivid skin tones, sharp edges, and accurate and independent color control.
- Option to select audio input from HDMI or TOSLINK/SPDIF audio source
- 3D noise reduction
- Operates through an on-screen display (OSD) menu controlled via an optional remote control (sold separately)
- Digital audio delay to match audio/video timing
- Less than one frame delay for smooth video frame rates
- Aspect Ratio Control
- RS-232 controllable and field upgradeable
- Selectable audio inputs: HDMI, S/PDIF, or TOSLINK
- Standby Mode Feature
- Wall-mountable

Specifications:

- Digital Maximum Pixel Clock: 165 MHz
- Input DDC Signal: 5 Volts p-p (TTL)
- Input Video Signal: 1.2 Volts p-p
- Maximum Resolution: 1080p /1920 x 1200
- Input: (1) HDMI Type A 19 Pin female
- Input: (1) TOSLINK optical digital audio
- Input: (1) S/PDIF coaxial digital audio
- Input: (1) DB-9 RS-232 serial port
- Input: (1) 3.5mm for EXT-IR
- Output: (1) HDMI Type A 19 Pin female
- Output: (1) TOSLINK optical digital audio
- Output: (1) S/PDIF coaxial digital audio
- Power Supply: 5V DC locking type
- Dimensions: 8"W x 7"H x 1"D
- Unit Weight: 1.1 lbs.

Gefen, LLC

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

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