Gefen GTB-HD-SIGGEN GefenToolBox HDMI/VGA Pattern Signal Generator

Evaluate, Calibrate, and Test Digital Video Equipment

The GefenToolbox HD Pattern Signal Generator is the most advanced testing device for your audio and video equipment: 39 built-in timings, 41 patterns, and 4 data analysis patterns provide over a thousand testing combinations for both analog and digital devices. The front panel LCD screen provides easy viewing of functions and features for each timing / pattern. This device can be conveniently controlled via the front panel buttons, the IR remote or the downloadable software from the Gefen Web site. In addition to its portability, this signal generator is wall-mountable and field-upgradeable.

How It Works

Connect the HDMI or VGA output ports of the GefenToolbox HD Pattern Signal Generator to your HDTV display (DVI displays can be connected using a HDMI-DVI adapter, and Component Video displays by using a VGA-Component Video adapter). Power-on all equipment. The front panel LCD will display all features and options of the active timing and pattern. You can feed digital or analog audio into the generator's rear panel and hear multi-channel digital audio or use the built-in sine wave test tone.

Features:

- Multi-format video output for SD and HD video up to 1080p
- PC/HD resolutions up to UXGA / WUXGA (1920 x 1200)
- 39 timings, 41 patterns, and 4 data analysis patterns
- Supports RGB 4:4:4, YCbCr 4:4:4, and YCbCr 4:4:2 color spaces
- Supports NTSC and PAL frame rates
- 2 CH, 5.1 CH, and 7.1 CH LPCM internal sine wave generator
- RS-232 control via the downloadable software from the Gefen Web site
- Small form factor; easy to transport
- Supports HD timings for VGA output
- HDCP Pattern
- Supports reading and copying EDID functionality
- User Friendly Interface - LCD Display, LED indicators and Software
- Deep Color support up to 12-bit
- HDMI 1.3 and DVI 1.0 Compliant
- HDCP Compliant

Specifications:

- Pixel Clock: 165 MHz
- Input Video Signal: 1.2 V p-p
- Input DDC Signal: 5 V p-p (TTL)
- Video Input: (1) HDMI Type-A 19-pin, female
- Analog Video Outputs: (1) HD-15, female VGA/PC/HD (supports Component Video with VGA Adapter)
- Digital Video Outputs: (1) HDMI Type-A 19-pin, female (supports DVI with HDMI-to-DVI adapter)
- Analog Audio Inputs: FL, FR, C, LFE, SL, SR, SSL, SSR (RCA type)
- Analog Audio Outputs: FL, FR, C, LFE, SL, SR, SSL, SSR (RCA type)
- Digital Audio Input: (1) TOSLink
- Digital Audio Outputs: (1) TOSLink, (1) S/PDIF
- Analog Audio Input Impedance: 10 kÙ
- Frequency Response: 20 Hz - 20 kHz (± 0.5 dB)
- SNR: > 90 dB
- THD: < 0.001% at 1 kHz (2 V rms)
- Crosstalk: > 90 dB
- RS-232 Serial Port: DB-9, female
- Power Supply: 5V DC
- Power Consumption: 10 W (max.)
- Dimensions: 12.0" W x 1.75" H x 6.5" D
- Shipping Weight: 6 lbs.

Package Includes:

- (1) GefenToolBox HD Pattern Signal Generator
- (1) 6 ft. HDMI cable (M-M)
- (1) 5 V DC Locking Power Supply
- (1) User Manual