



860

18G 4K HDR Signal Generator & Analyzer



860 HDMI 18G (6G per graphic channel) 4K HDR Signal Generator & Analyzer is an advanced and handy tool for generating, testing and verifying the signal path within your (up to) 4K@60Hz (4:4:4) HDMI 2.0/HDCP 2.2 ecosystem. With 88 built-in resolutions, 55 test patterns and over a dozen types of AV analysis functions, this unit provides an enormous range of testing options. HDMI data packet, EDID and HDCP analysis is supported along with EDID upload and emulation. Additionally the Status and Control Data Channel (SCDC) can be monitored, enabling HDMI 18G signal detection and analysis. Up to 8 channels of LPCM audio test tones can be generated with a wide range of frequencies and audio levels.

FEATURES

- Max. Resolution - 4K@60Hz (4:4:4).
- Standards Compliance - HDR10, HDMI 2.0, DVI 1.0 and HDCP 1.4/2.2.
- Data Path Analysis - Source and sink up to 18G HDMI signals (6G per graphic channel).
- Analysis of HDMI Data Packet.
- Analysis & Control of HDCP v1.4 and v2.2.
- Analysis & Emulation of EDID Data - Including SCDC.
- Analysis of Input Audio Signals.
- HDR Bypass & Analysis Support.
- HDMI Timing Generation - Up to 4096x2160 @60Hz (4:4:4), 8-bit.
- VGA Output Supports - 350p, 480p, 576p, 720p, 1080i, 1080p, 640x480, 800x600, 1024x768, 1280x1024, 1366x768, 1400x1050, 1440x900, 1600x900 (Reduced Blanking; RB), 1600x1200, 1680x1050, 1920x1200 (RB), 2048x1080p.
- HDMI Output Supports - 350p, 480p, 576p, 720p, 1080i, 1080p, 640x480, 800x600, 1024x768, 1280x1024, 1366x768, 1400x1050, 1440x900, 1600x900 (RB), 1600x1200, 1680x1050, 1920x1200 (RB), 3G4K, 6G4K.
- Custom User Test Patterns - 640x480 & 1920x1080.
- External Stereo Audio Input & Output.
- LPCM Sinewave Audio Generation - Up to 8 channels.
- Control Options - Front-panel, RS-232, Telnet, and IR remote controls.
- OLED Display - With rapid updates of current status information.
- Detailed OSD - For settings and informational displays.
- USB Firmware & Pattern Update.

TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI, 1 unbalanced stereo audio (2Vrms max. 20kΩ) on a 3.5mm jack, 1 RS-232 on a 9-pin D-sub connector, 1 Ethernet on an RJ-45 connector, 1 USB connector.
OUTPUTS:	1 HDMI, 1 VGA on a 15-pin HD connector, 1 unbalanced stereo audio (2Vrms max. 560Ω) on a 3.5mm jack.
COMPLIANCE WITH HDMI STANDARD:	HDR10, HDMI 2.0 and HDCP 2.2.
CONTROLS:	Panel buttons with OLED display, OSD, RS-232, IR, and Ethernet.
MAXIMUM DATA RATE:	18Gbps (6Gbps per graphic channel).
ESD PROTECTION:	Human body model: ±8 kV (air-gap discharge), ±4 kV (contact discharge).
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	-20° to +60°C (-4° to 140°F).
HUMIDITY:	20% to 90%, RHL non-condensing.
POWER CONSUMPTION:	5V DC, 1.6A.
POWER SUPPLY:	5.2V/4A.
CHASSIS MATERIAL:	Metal.
SAFETY REGULATORY COMPLIANCE:	CE.
INCLUDED ACCESSORIES:	Remote control (LR-40), power supply.
PRODUCT DIMENSIONS:	16.50cm x 13.20cm x 3.00cm (6.50" x 5.20" x 1.18") W, D, H
PRODUCT WEIGHT:	0.8kg (1.7lbs) approx.
SHIPPING DIMENSIONS:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H
SHIPPING WEIGHT:	1.2kg (2.7lbs) approx.

