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/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)
HDMI Support - HDR10 (on input), xvYCC color (on input), Dolby TrueHD/DTS-HD Master Audio (by-pass), Dolby Vision (on input) as specified in HDMI 2.0
Standards Compliance - 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
HDMI Timing Generation - Up to 4096×2160 @60Hz (4:4:4), 8−bit
Heavy-duty, waterproof, padded protective case included
VGA Output Supports - 350p, 480p, 576p, 720p, 1080i, 1080p, 640×480, 800×600, 1024×768, 1280×1024, 1366×768, 1400×1050, 1440×900, 1600×900 (Reduced Blanking; RB), 1600×1200, 1680×1050, 1920×1200 (RB), 2048×1080p
HDMI Output Supports - 350p, 480p, 576p, 720p, 1080i, 1080p, 640×480, 800×600, 1024×768, 1280×1024, 1366×768, 1400×1050, 1440×900, 1600×900 (RB), 1600×1200, 1680×1050, 1920×1200 (RB), 3G4K, 6G4K
Custom User Test Patterns - 640×480 & 1920×1080
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
Small & Portable Unit
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: HDCP 2.2, HDR10 (on input), xvYCC color (on input), Dolby TrueHD/DTS−HD Master Audio (by−pass), Dolby Vision (on input) as specified in HDMI 2.0

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, protective case

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 30.50cm x 26.90cm x 14.70cm (12.01" x 10.59" x 5.79") W, D, H

Shipping Weight 2.7kg (5.9lbs) approx