HDG Pro 4K60/HDCP 2.2 Signal Generator & Analyzer

The HDTools™ **HDG Pro** is an HDMI 2.0 Signal Generator supporting video resolutions up to 4K@60Hz 4:4:4, 18Gbps bandwidth, and HDCP 2.2. This versatile tool allows integrators and installers to test and verify A/V signal paths with Test Pattern Generator, Signal Analyzer, HDCP Test, EDID Test, and Loop Test functions. The **HDG Pro** also features a 4.3" touchscreen for controlling the device and viewing the signal from the HDMI input, as well as a 4-hour rechargeable battery providing greater portability and ease of use.

Key Features

- 4K@60Hz 4:4:4 8 bit, 4K@60Hz 4:2:0 16 bit HDR pattern generator & signal analyzer
- 18 Gbps supported bandwidth
- 4.3" Touchscreen panel
- HDMI 2.0 support
- Digital audio test function
- Supports HDMI loop through function
- HDCP test function to verify HDCP source and transmit HDCP encrypted video
- Supports user-defined patterns up to 2Gb
- Rechargeable battery design
- Scrambling function or videos over 340MHz
- Video pass-through mode (analyze the signal and monitor the video at the same time)
- Supports user control device throught ethernet
- Firmware update through USB flash drive

Technical Specifications

HDMI COMPLIANCE	HDMI 2.0b
HDCP COMPLIANCE	HDCP 2.2, HDCP 1.4
SUPPORTED BANDWIDTH	18 Gbps
SUPPORTED RESOLUTIONS	Up to 4K2K @ 60Hz 4:4:4
COLOR SPACE	DVI, RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
COLOR DEPTH	8-bit, 10-bit, 12-bit, 16-bit
DIGITAL AUDIO TEST	PCM audio tone menu provided to test audio on display devices or A/V receivers Set bits per sample, sample rate, level and audio channel
INPUTS	1 x HDMI Type A [19-pin female] 1 x Ethernet [RJ45] 1 x Firmware [USB type A female]
OUTPUTS	1 x HDMI Type A [19-pin female] 1 x Stereo Out [3.5mm mini-jack]
POWER SUPPLY	12V 5A
OPERATION TEMPERATURE	86ºF (30ºC) or below
HUMIDITY	60% or below RH (no condensation)