



This portable HDMI Signal Generator & Analyzer provides a convenient way to test and verify all aspects of an HDMI signal path, including source and sink. This unit complies with the HDMI 2.0a and HDCP 1.4/2.2 standards. The unit's Analyzer mode complies with the CEA standard HDR static metadata extensions CEA-861-F and CEA-861.3 for EDID analysis.

The unit is powered by a single rechargeable Lithium-ion battery (not included). Beyond the Lithium-ion battery, the unit may also be powered (and the battery recharged) via the micro USB port. An external power bank can also be used to extend the portable service time. 4K sources can be scaled down to 1080p output in Analyzer mode to support a wider range of displays when analyzing high bandwidth sources.

The unit has an integrated OLED display which provides a way to quickly and clearly view the current signal state or the results of signal analysis. This portable handheld design is ideal for both the professional end user and installation engineer alike.

PANELS

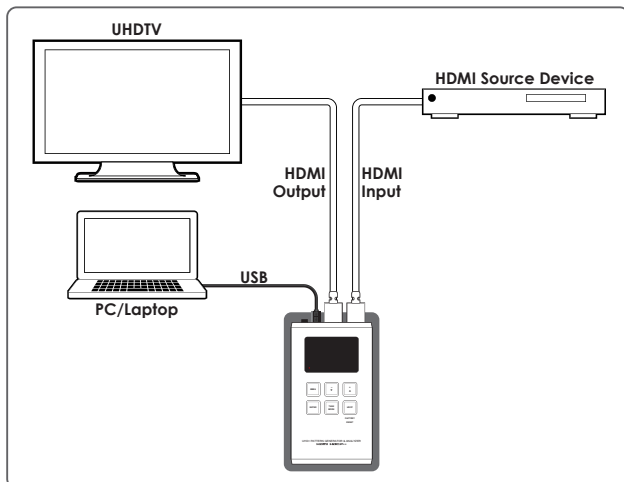


Front View



Rear View

DIAGRAM



FEATURES

- HDMI input and output with 18Gbps 4K UHD+ support
- Analyzer mode supports source video, audio, timing and packet analysis while bypassing the signal to a connected display
- 4K sources can be scaled to 1080p in Analyzer mode to support a wider range of displays when analyzing a high-bandwidth source
- HDR bypass, analysis and generation support complying with the CEA standard HDR static metadata extensions CEA-861-F and CEA-861.3
- HDCP and SCDC monitoring functions
- 23 selectable output resolutions available in Test Pattern mode
- 17 selectable static test patterns in Test Pattern mode
- HDMI 2.0 cable test function including tests for 5V, CEC and hot-plug detection support
- Supports generation of up to 8 channels of LPCM audio with adjustable sinewave frequencies for each channel
- Comprehensive EDID management, analysis and emulation support with 10 built-in default EDIDs and 10 user-definable EDIDs
- Powered by a single Lithium-ion battery (not included) or an external USB power supply/power bank
- OLED display with rapid updates of current status information
- Supports optional Windows control software
- Portable palm-sized design with easy to use front-panel controls

SPECIFICATIONS

Interfaces

Input Port	1×HDMI (Type-A)
Output Port	1×HDMI (Type-A)
Control I/O	1 x USB (Micro-B)

Video

HDMI Compliance	2.0 (DVI 1.0)
HDCP Compliance	2.2
Input Signal Type	4K@60 8bit YUV 4:4:4
Output Signal Type	4K@60 8bit YUV 4:4:4

Resolutions

Maximum Input	HDMI	4096x2160p@60
Maximum Output	HDMI	4096x2160p@60

Audio

HDMI	LPCM 8 channel Bitstream High-Definition Bitstream
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Power

Power Supply	5V/2.1A USB power or Lithium-ion battery (not included)
Power Consumption	4.7W

Enclosure

Chassis Material	Metal (Aluminum)
Chassis Color	Dark Grey
Dimensions (W×H×D)	80mm×124mm×26.5mm [Case Only] 80mm×126mm×26.5mm [All Inclusive]
Weight	260g

Field Firmware Update

PC Update, WebGUI

ORDERING INFORMATION

Model No.	Product Description
CPHD-V4L	UHD+ HDMI Signal Generator & Analyzer (Portable Version)