

EDID 101H 4K PLUS

4K/60 EDID EMULATOR WITH EDID MINDER® FOR HDMI



18 Gbps
4K/60 4:4:4

The Extron EDID 101H 4K PLUS is an EDID emulator that ensures HDMI sources provide optimum resolution and frame rate upon power up for consistent, reliable content display. It features EDID Minder®, an Extron-exclusive technology that enables automatic and continuous EDID management for resolutions up to 4K/60 at data rates up to 18 Gbps. For encrypted content, the emulator is HDCP 2.3 compliant. The EDID 101H 4K PLUS is ideal for use in any environment incorporating 4K/60 HDMI video resolutions to ensure reliable EDID communication between devices.

- ▶ Supports computer and video resolutions up to 4K/60 @ 4:4:4
- ▶ EDID Minder® automatically manages EDID communication between connected devices
- ▶ Selectable resolutions and refresh rates
- ▶ EDID capture mode
- ▶ Support for HDR – High Dynamic Range video
- ▶ Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- ▶ Supports multiple embedded audio formats
- ▶ HDCP 2.3 compliant

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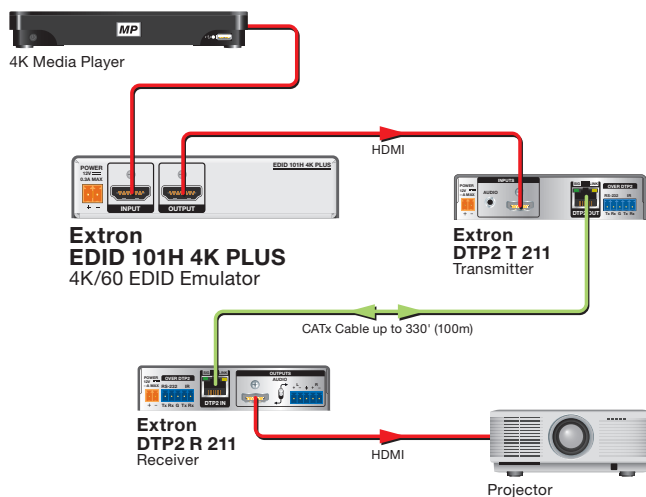
DESCRIPTION

The Extron **EDID 101H 4K PLUS** is an EDID emulator for 4K/60 HDMI signal sources. It features EDID Minder®, an Extron-exclusive technology that provides automatic and continuous EDID management. This ensures that the source displays the optimal resolution and frame rate upon power up. Pre-stored EDID information is communicated to the source based on a user-selected resolution and refresh rate. Alternatively, the emulator can capture and store EDID from a connected display. It supports signals up to 4K/60 @ 4:4:4 at data rates up to 18 Gbps, as well as HDR. Housed in a compact 1" high, quarter-rack width enclosure, the EDID 101H 4K PLUS provides convenient, discreet installation. An energy-efficient external universal Everlast™ power supply is included.

FEATURES

- ▶ User-selectable HDCP authorization
- ▶ Automatic HDMI input cable equalization
- ▶ Automatic color bit depth management
- ▶ HDMI to DVI Interface Format Correction
- ▶ HDCP authentication and signal presence confirmation
- ▶ Front panel USB configuration port
- ▶ Easy setup and commissioning with Extron's PCS – Product Configuration Software
- ▶ Provides +5 VDC, 250 mA power on the output for external peripheral devices
- ▶ Extron Everlast Power Supply is covered by a 7-year parts and labor warranty

APPLICATION DIAGRAM



SPECIFICATIONS

TRUE 4K SPECIFICATION

Max 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max Bit Depth per Color
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz 4096 x 2160 at 30 Hz 3840 x 2160 at 30 Hz	4:4:4	8 bit
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz	4:2:0	12 bit

Frame rate ¹	24, 25, 30, 50, or 60 fps
Chroma sampling ¹	4:4:4, 4:2:2, or 4:2:0
Color bit depth ¹	8, 10, or 12 bits per color
Signal type	HDMI 2.0b, HDCP 2.3
Max. video data rate	18.0 Gbps (6 Gbps per color)
NOTE: ¹ Subject to the maximum data rate limit. Use our calculator at www.extron.com/8Kdata to determine video parameters supported by this data rate.	

VIDEO

HDMI input	
Maximum data rate	18 Gbps (6 Gbps per color)
Maximum pixel clock	600 MHz
Resolution range	4K (4096x2160) @60 Hz, UHD (3840x2160) @60 Hz
Color bit depth	8, 10, or 12 bits - subject to the maximum data rate
Formats	RGB and YCbCr digital video
Standards	HDMI 2.0, DVI 1.0, HDCP 2.3

VIDEO OUTPUT

Connectors	1 female HDMI Type A
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CONTROL/REMOTE

USB control port	1 female mini USB type B, front panel
USB standards	USB 2.0, high speed
Program control	Extron Simple Instruction Set (SIS™), Extron PCS

GENERAL

Power supply	External: Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
Temperature/humidity	Storage: -40 to +158°F (-40 to +70°C) / 10% to 90%, noncondensing Operating: +32 to +122°F (0 to +50°C) / 10% to 90%, noncondensing
Cooling	Convection
Enclosure type	Metal
Enclosure dimensions	1.0" H x 4.3" W x 6.0" D (quarter rack wide) (25 mm H x 109 mm W x 152 mm D) (Depth excludes connectors)
Regulatory compliance	CE, c-UL, UL, C-tick, FCC Class A, ICES, VCCI Complies with appropriate requirements of RoHS and WEEE
Product warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Use our calculator at www.extron.com/8Kdata to determine video parameters supported by this data rate

Model	Version Description	Part number
EDID 101H 4K PLUS	EDID Emulator for 4K/60 HDMI	60-1680-01

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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