EDID 111H 4K PLUS

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

The Extron **EDID 111H 4K PLUS** is an EDID emulator for 4K/60 HDMI sources that require up to four EDID memory blocks. It provides EDID emulation with Extron's EDID Minder® Plus technology, accommodating both 512-byte EDID and DisplayID data structures. The emulator is HDCP 2.3 complant, and resolutions and refresh rates are selectable. Loaded with even more features and capabilities, the EDID 111H 4K PLUS ensures reliable display of 4K, select 5K, and 21:9 aspect ratio content in professional environments.

▸ EDID Minder® Plus automatically manages EDID communication between connected devices

▸ Enhanced 512-byte EDID emulation

▸ 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 video resolutions up to 4K/60 @ 4:4:4

▸ HDCP 2.3 compliant

▸ HDCP Visual Confirmation provides a green signal when encrypted content is sent to a non-compliant display

▸ Easy setup and commissioning with Extron's PCS – Product Configuration Software

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DESCRIPTION

The Extron **EDID 111H 4K PLUS** is an EDID emulator for 4K/60 HDMI sources that require up to four EDID memory blocks to convey capabilities. It features EDID Minder Plus, an Extron-exclusive technology that accommodates up to a 512-byte EDID and DisplayID data structures that convey advanced features to reliably display 4K, select 5K, and 21:9 aspect ratio content. The EDID 111H 4K PLUS provides automatic and continuous EDID management and ensures content is at the optimal resolution and frame rate upon power up. Pre-stored EDID information is sent to a source based on the user-selected resolution and refresh rate. The emulator can also capture and store the EDID profile from a connected display. It supports signals up to 4K/60 @ 4:4:4 at data rates up to 18 Gbps with HDR. Housed in a compact 1" high, quarter-rack width enclosure, the EDID 111H 4K PLUS allows for convenient, discreet installation.

KEY FEATURES

▸ EDID Minder® Plus automatically manages EDID communication between connected devices

▸ Enhanced 512-byte EDID emulation

▸ User-selectable HDCP authorization

▸ EDID capture mode

▸ Selectable resolutions and refresh rates

▸ External Extron Everlast® power supply included

▸ Automatic HDMI input cable equalization

▸ Provides +5 VDC, 250 mA power on the output for external peripheral devices

HDMI EDID Emulator for Advanced 4K, 5K, and 21:9 Ultra-wide Displays

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
		12 bit
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz	4:2:0	

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/8Kdatarate 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	Up to 1080p @ 120 Hz or 4K @ 60 Hz (4:4:4 chroma sampling) 5120x1080* @ 30 Hz, 5120x1440* @ 30 Hz, 5120x2160 @ 30 Hz, 5120x2560* @ 30 Hz, 5120x2880* @ 30 Hz (4:4:4 chroma sampling)

NOTE: *Indicated rates not available via standard 256-byte EDID and may require custom video card configuration.

Color bit depth	8, 10, or 12 bits - subject to the maximum data rate
Standards	DVI 1.0, HDMI 2.0, HDCP 2.3

VIDEO OUTPUT

Number/signal type	1 HDMI (or single link DVI-D, with appropriate DVI-HDMI adapters)

GENERAL

Power supply	External: Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 0.5 A, 6 watts
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
Everlast power supply warranty	7 years parts and labor

NOTE: All nominal levels are at ±10%.

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

Model	Version Description	Part number
EDID 111H 4K PLUS	4K/60 HDMI EDID Emulator with EDID Minder Plus	60-1680-02

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

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