

EDID 121

8K HDMI EDID EMULATOR WITH EDID MINDER® PLUS



8K

ULTRA-WIDE

The **EDID 121** is an 8K HDMI EDID emulator that supports additional memory blocks for displays that convey advanced features via both EDID and DisplayID. Extron's EDID Minder® Plus maintains automatic and continuous EDID emulation to reliably display and distribute 5K and 21:9 aspect ratio content. From presentation spaces to esports venues, the EDID 121 is the ideal EDID emulator for professional AV environments.

- ▶ Supports video resolutions up to 8K/60
- ▶ Supports ultra-wide aspect ratios, including 21:9 and 5K
- ▶ Enhanced 512-byte EDID emulation
- ▶ EDID Minder® Plus automatically manages EDID communication between connected devices
- ▶ Supported HDMI 2.1 specification features include data rates up to 40.1 Gbps, HDR, Deep Color up to 12 bit, 3D, HD lossless audio formats, and CEC pass-through
- ▶ HDCP 2.3 compliant

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DESCRIPTION

The **EDID 121** is an 8K HDMI EDID emulator that supports up to four EDID memory blocks to accurately convey sink capabilities. Featuring EDID Minder® Plus, an Extron-exclusive technology, it supports additional memory blocks needed for advanced display capabilities such as supported video and audio formats, HDR and 3D, and color characteristics. The EDID 121 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 resolutions up to 8K/60 at data rates up to 40.1 Gbps.

KEY FEATURES

- ▶ Supports video resolutions up to 8K/60
- ▶ Supports ultra-wide aspect ratios, including 21:9 and 5K
- ▶ Enhanced 512-byte EDID emulation
- ▶ EDID Minder® Plus automatically manages EDID communication between connected devices
- ▶ Selectable resolutions and refresh rates
- ▶ EDID capture mode
- ▶ Supported HDMI 2.1 specification features include data rates up to 40.1 Gbps, HDR, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- ▶ Support for HDR – High Dynamic Range video
- ▶ Supports multiple embedded audio formats
- ▶ HDCP 2.3 compliant
- ▶ User-selectable HDCP authorization
- ▶ HDCP Visual Confirmation provides a green signal when encrypted content is sent to a non-compliant display
- ▶ 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
- ▶ 1" (2.5 cm) high, quarter rack width metal enclosure allows flexible, discreet installation
- ▶ Easy setup and commissioning with Extron's PCS – Product Configuration Software
- ▶ Provides +5 VDC, 250 mA power on the output for external peripheral devices
- ▶ External Extron Everlast® power supply included, replacement part #70-1175-01

SPECIFICATIONS

TRUE 8K SPECIFICATION			
Max 8K Capabilities			
Resolution	Refresh Rate	Chroma Sampling	Max Bit Depth per Color
7680 x 4320	60 Hz	4:2:0	8 bit
	30 Hz	4:4:4	
Max. 4K and 5K Capabilities			
Resolution	Refresh Rate	Chroma Sampling	Max Bit Depth per Color
5120 x 1440 5120 x 2880 4096 x 2160 3840 x 2160	60 Hz	4:4:4	12 bit
3840 x 2160	120 Hz		10 bit
Frame rate ¹		24, 25, 30, 50, 60, or 120 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 2.1, HDCP 2.3	
Max. video data rate		40.1 Gbps	
NOTE: ¹ Subject to the maximum data rate limit. Use our calculator (https://www.extron.com/8KdataRate) to determine video parameters supported by this data rate.			

VIDEO		
Resolution range		
VESA	640x480 to 7680x4320	
SMPTE	Up to 1080p @ 240 Hz or 8K @ 60 Hz (4:2:0 chroma sampling)	
Ultra Wide & 5K	2560x1080, 3440x1440, 3840x1080, 3840x1440, 3840x1600, 5120x1080, 5120x1440, 5120x2160, 5120x2560, 5120x2880	
Color bit depth	8, 10, or 12 bits — subject to the max data rate	
HDR	HDR10, HDR10+, and Dolby Vision	
VIDEO INPUT		
Number/signal type	1 HDMI (or single link DVI-D, with appropriate DVI-HDMI adapters)	
EDID emulation	128 - 512 byte EDID support (1 - 4 blocks)	
VIDEO OUTPUT		
Number/signal type	1 single link HDMI	
GENERAL		
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 0.5 A, 36 watts	
Enclosure dimensions	1.00" H x 4.30" W x 6.00" 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	
Product warranty	3 years parts and labor	
Everlast power supply warranty	7 years parts and labor	
NOTE: All nominal levels are at ±10%.		
Model	Version Description	Part number
EDID 121	EDID Emulator for 8K HDMI	60-2076-01

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

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