

HDMI 101

HDMI CABLE EQUALIZER

- Extends HDMI signals over HDMI cable up to 200 feet (60 meters) at resolutions up to 1080p HDTV and 1920x1200
- Automatic active input equalization
- LED indicator for source signal presence and power
- Self-powering at shorter distances
- HDCP compliant
- Supports DDC transmission



The Extron HDMI 101 is an HDMI equalizer that offers a convenient, economical solution for extending HDMI signals up to 200 feet using HDMI cable assemblies. It automatically provides the necessary active equalization to ensure optimal image quality with HDTV 1080p and high resolution computer-video signals up to 1920x1200. The HDMI 101 is ideal for temporary applications as well as permanent installations with long HDMI cable runs.



Extron® Electronics

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DESCRIPTION

The Extron **HDMI 101** is an HDMI™ equalizer that offers a convenient, economical solution for extending HDMI - High Definition Multimedia Interface signals beyond the specified 15 meter (45 foot) distance limit for HDMI cables. The HDMI 101 attaches to the end of a long HDMI cable run of up to 200 feet (60 meters). It automatically provides the necessary active equalization to ensure optimal image quality with HDTV 1080p and high resolution computer-video signals up to 1920x1200. The HDMI 101 is ideal for temporary applications as well as permanent installations with long HDMI cable runs.

The HDMI 101 is fully HDMI-compliant for extending digital video, multi-channel audio, and control signals from HDMI-equipped devices. It is also HDCP compliant, enabling long distance transmission of HDTV signals with HDCP - High-bandwidth Digital Content Protection for copy protection of digital television broadcasts and high resolution digital video output from DVD, HD DVD, and Blu-ray Disc players.

At shorter distances, the HDMI 101 can be self-powered by the source device via the HDMI cable. An LED indicator provides a quick means of verifying power and signal presence from the source. Part of the VersaTools® line of small, economical, integrator-friendly products, the HDMI 101 is housed in a compact 1" (2.5 cm) high, one-eighth rack width enclosure for easy placement and concealment.

FEATURES

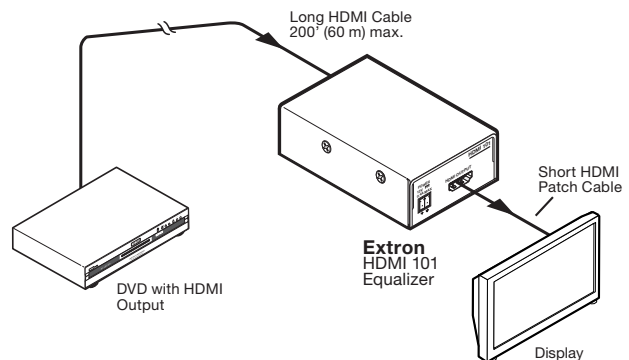
- **Extends HDMI signals over HDMI cable up to 200 feet (60 meters) at resolutions up to 1080p HDTV and 1920x1200** – The HDMI 101 provides automatic equalization to ensure optimized image quality while enabling the use of HDMI cables beyond the typical 45 foot (15 meter) limitation.
- **Extends DVI signals when used with optional Extron HDMI-DVI adapters**
- **LED indicator for source signal presence and power**
- **Self-powering at shorter distances** – The HDMI 101 is capable of receiving power from an attached source device, replacing the need for power supply installation.
- **HDCP compliant** – The HDMI 101 fully supports transmission of HDCP signals.
- **Supports DDC transmission** – DDC channels are actively buffered, allowing pass-through of EDID and HDCP information between source and display.
- **1" (2.5 cm) high, one-eighth rack width metal enclosure** – Housed in a compact, durable metal enclosure, the HDMI 101 is small enough to fit anywhere and can be mounted in a rack.
- **External international power supply included**

SPECIFICATIONS

VIDEO		
NOTE: Appropriate DVI-to-HDMI cables or adapters are required for DVI signal input/output.		
Maximum data rate	1.65 Gbps	
Pixel clock frequency	165 MHz (max.)	
VIDEO INPUT		
Number/signal type	1 single link HDMI, DVI	
Connectors	1 female HDMI type A	
Nominal level	1.2 Vp-p (for TDMS)	
	5 Vp-p (TTL, for DDC)	
Resolution range	Up to 1920x1200 @ 60 Hz or 1080p	
Input cable length	>100' (30.4 m) at 1920x1200 @ 60 Hz or 1080p	
	Longer distances are possible with lower rates and/or high quality cable.	
Equalization	Automatic for up to -40 dB of cable loss	
VIDEO OUTPUT		
Number/signal type	1 single link HDMI, DVI	
Connectors	1 female HDMI type A	
Resolution range	Up to 1920x1200 @ 60 Hz or 1080p	
Output cable length	16' (5 m)	
GENERAL		
Power	Supplied by an external power supply or by the 5 V signal from an HDMI source (pin 18) or a DVI source (pin 14)	
External power supply	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 1 A, regulated	
Power input requirements.....	12 VDC, 0.2 A from an external power supply or 5 VDC, 0.05 A from an HDMI or SDI source	
Cooling.....	Convection, unvented	
Rack mount	Yes, with optional 1U, 9.5" deep rack shelf, part #60-190-01 (RSU 129) or 60-604-01 (RSB 129); or 3" deep VersaTools® rack shelf, part #60-190-20 (RSF 123) or 60-604-20 (RSB 123); or 6" deep rack shelf, part #60-190-10 (RSU 126) or 60-604-10 (RSB 126).	
Enclosure type	Metal	
Enclosure dimensions	1.0" H x 2.2" W x 3.0" D (one eighth rack wide) 2.5 cm H x 5.6 cm W x 7.6 cm D	
Product weight.....	0.4 lbs (0.2 kg)	
Shipping weight	2 lbs (1 kg)	
Listings	UL, CUL	
Compliances.....	CE, FCC Class A, VCCI, AS/NZS, ICES	
MTBF.....	30,000 hours	
Warranty	3 years parts and labor	
NOTE: All nominal levels are at ±10%.		
Model	Version Description	Part Number
HDMI 101	HDMI Equalizer	60-872-01

Specifications are subject to change without notice.

APPLICATION DIAGRAM



Extron Electronics, USA
1230 South Lewis Street
Anaheim, CA 92805
800.633.9876 714.491.1500
FAX 714.491.1517

Extron Electronics, Europe
Beeldschermweg 6C, 3821 AH Amersfoort
The Netherlands
+800.3987.6673 +31.33.453.4040
FAX +31.33.453.4050

Extron Electronics, Asia
135 Joo Seng Rd. #04-01
PM Industrial Bldg.
Singapore 368363
+65.6383.4400 FAX +65.6383.4664

Extron Electronics, Japan
Kyodo Building, 16 Ichibancho
Chiyoda-ku, Tokyo 102-0082
Japan
+81.3.3511.7655 FAX +81.3.3511.7656