



EX-100HDBT/R

The 18Gbps HDMI Extender is a tool which can extend your HDMI signal over 328ft/100meters to a compatible display. It is designed to convert HDMI signal to standard HDBaseT signal which can be transmitted by LAN cable. It also supports Transfer Bidirectional infrared control signal together with the HDMI signal, so you can control the Source in the Sink side which is 328ft outside, also you can control the Sink in the Source side which is 328ft outside by using the HDMI extender.

FEATURE

- HDCP 2.2 and DVI compliant
- Video resolution up to 4K@60Hz, as specified in HDMI 2.0b
- 10bits HDR (High dynamic Range) pass through
- CEC bypass
- Optical audio supports LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5/1CH
- The maximum transmission distance via a signal CAT5e/6 cable
 - 100m: 1080p@60Hz.
 - 70m: 4K@30Hz., 4K@60Hz.
- POC (Power Over Cable) function
- Whit bi-directional IR and RS-232 control signal pass-through

SPECIFICATION

Technical

HDCP Compliance:	HDCP 2.2 / HDCP 1.4
Video Bandwidth:	18Gbps.
Video Resolution:	up to 4K2K@50/60Hz (YUV4:4:4) 4K2K@30Hz, 1080P@120Hz and 1080P 3D@60Hz.
Color Space:	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth:	10-bit, 12-bit
HDMI Audio Formats (Pass-through):	LPCM 2/5.1/6.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS HD Master Audio, Dolby Atmos, DTS:X PCM 2CH, LPCM 5.1, Dolby Digital 2/5.1CH, DTS 2/5.1CH
Optical Audio Formats:	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
ESD Protection:	

Connections

Transmitter:	
Input:	1x HDMI In [TypeA 19-pin female] 1x IR Input [3.5mm Stereo Mini-Jack] 1x RS-232 [Phoenix Jack]
Output:	1x HDBT Out [RJ-45 8-pin female] 1x IR Output [3.5mm Stereo Mini-Jack]
Receiver:	
Input:	1x HDBT In [RJ45 8-pin female] 1x IR Input [3.5mm Stereo Mini-Jack] 1x RS-232 [Phoenix Jack]
Output:	1x HDMI Out [TypeA 19-pin female] 1x IR Output [3.5mm Stereo Mini-Jack]

Mechanical

Housing:	Metal Enclosure
Color:	Black
Dimensions (mm):	115mm [W] x 65mm [D] x 17mm [H]
Weight:	405g
Power Supply:	Input: AC 100-240V 50/60Hz Output: DC 24V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption:	24W (Max)
Operation Temperature:	32°F - 104°F / 0°C - 40°C
Storage temperature:	-4°F - 140°F / -20°C - 60°C
Relative Humidity:	20 - 90% RH (no condensation)

