EX-HDBT-120A
18 Gbps HDBaseT Extender 150m Full HD ,120m 4K

FEATURE:

- HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Support 18Gbps video bandwidth
- The maximum extended transmission distance via a single Cat5e/6 cable:
  - 394ft / 120 meters for 4K2K signal;
  - 492ft / 150 meters for 1080P signal
- Support one HDMI loop output on the transmitter
- De-embeded audio to analog stereo output on receive
- With bi-directional IR, RS-232 and CEC pass-through
- HDR, HDR10+, Dolby Vision and HLG function supported
- Support PoC (Power over Cable) function
- Compact design for easy and flexible installation

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This 18Gbps HDMI Extender extends high-definition video and audio signals, RS-232, and bi-directional IR up to 492ft (150 meters) using a single CAT cable. It supports resolutions up to 4K@60Hz 4:4:4, 18Gbps bandwidth, and HDCP 2.2. The extender includes an HDMI loop-out port and supports de-embedded audio for L/R audio output. Additionally, it features two-way IR pass-through for controlling both the source and display devices. The extender consists of two units: the transmitter, which captures the HDMI input signal and transmits it over a cost-effective Cat5e/6 cable while also handling IR control signals, and the receiver, which receives the HDMI signal and transmits IR control signals. This HDMI extender provides a convenient solution for extending HDMI signals over long distances via a single Cat5e/6 cable, making it ideal for a wide range of applications.

Extender

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Full HD

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SPECIFICATIONS:

Technical

HDCP Compliance	HDCP 2.2 / HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	4K2K 50/60Hz 4:4:4
	4K2K 50/60Hz 4:2:2
	4K2K 50/60Hz 4:2:0
	4K2K 30Hz 4:4:4
	1080p, 1080i, 720p, 720i, 480p, 480i
	All HDMI 3D TV formats
	All PC resolutions including 1920 x 1200
Color Space	RGB / YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0)
	8-bit (4K60Hz 4:4:4)
HDMI Audio Formats	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
L/R Audio Formats	PCM 2.0
ESD Protection	150m/492ft at 1080P@60

Connections

Transmitter

Input	Input: 1x HDMI IN [TypeA 19-pin female]
	1x LINE IN [3.5mm Stereo Mini-jack]
Output	Output: 1x HDBT OUT [RJ45 8-pin female]
	1x HDMI OUT [TypeA 19-pin female]
Control	Control: 1x AUDIO DIP Switch [1 pin]
	1x EDID DIP Switch [2-pin]
	1x IR IN [3.5mm Stereo Mini-jack]
	1x IR OUT [3.5mm Stereo Mini-jack]
	1x RS-232 [Phoenix jack]
	1x Service [Micro-USB jack]

Receiver

Input	Input: 1x HDBT IN [RJ45 8-pin female]
Output	Output: 1x HDMI OUT [TypeA 19-pin female]
	1x AUDIO OUT [3.5mm Stereo Mini-jack]
Control	Control: 1x RS-232 [Phoenix jack]
	1x SERVICE [Micro-USB jack]
	1x IR IN [3.5mm Stereo Mini-jack]
	1x IR OUT [3.5mm Stereo Mini-jack]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver:
	140mm [W] x 65mm [D] x 18mm [H]
Weight	Transmitter: 160g, Receiver: 155g
Power Supply	Input: AC 100 - 240V 50/60Hz
	Output: DC 24V/1A (Locking connector)
Power Consumption (Max)	9.36 W
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)

Extender