

EX3-8K

SIMPLIFIED
MFG

HDMI 2.1 (40Gbps) Extender over Category

Cable w/USB, eARC, & USB2.0

Specifications:



The EX3-8K is a HDMI over category cable extender that supports 40 Gbps 8K up to 100m @8K/4k @120 Hz. while simultaneously passing 1 Gbps Ethernet, eARC, USB 2.0, IR, & RS232. This is a great alternative to fiber as that infrastructure may not be present. Also great for Camera/board room applications, KVM, and situations where a single cable is utilized. 8K & 4K 120Hz. on category cable is possible with this device.

Features:

- USB 2.0 passthrough
- 1Gbps Ethernet Passthrough
- eARC Audio Return
- RS232
- 2-Way 12V IR (kit included)
- 100m (330ft) on Cat 6A
- 40Gbps supports 8K 10-Bit @ 30Hz. And 4K 10/12-bit @ 120Hz.
- Stereo audio can be run independently
- EDID Management
- 3-Year Warranty

Technical	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3, HDCP 2.2 and HDCP 1.4
Video Bandwidth	40 Gbps
Video Resolutions	up to 8K4K@24/30Hz(YUV4:4:4), 4K2K@120z, and all formats 40Gbps and below
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8-bit, 10-bit, & 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Transmitter	Inputs: 1x HDMI type A [19-pin female] 1x L/R IN [3.5mm stereo mini-jack] Outputs: 1x HDMI type A [19-pin female] 1x HDBT OUT [RJ45, 8-pin female] 1x L/R OUT [3.5mm stereo mini-jack] Control: 1x LAN [RJ45] 1x IR IN [3.5mm stereo mini-jack] 1x IR OUT [3.5mm stereo mini-jack] 1x RS-232 [phoenix jack] 4x USB, 3 type A and 1 type B 1x SERVICE micro USB update port
Receiver	Inputs: 1x HDBT IN [RJ45, 8-pin female] 1x L/R IN [3.5mm stereo mini-jack] 1x HDMI type A [19-pin female] Outputs: 1x HDMI Type A [19-pin female] 1x L/R OUT [3.5mm stereo mini-jack] Control: 1x LAN [RJ45] 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, update port 4x USB, 3 type A and 1 type B
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	163mm [6.375"] x 90mm [3.5"] x 16mm [0.625"]
Weight	TX 170g [6oz.] RX 165g [5.8oz.]
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 24V/1A (US/EU standards, CE/FCC/UL certified)
PWR Consumption	18W (Max)
Operation Temp.	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)