

HDMI HDBaseT 3.0 Extender Kit 100M

Extend Uncompressed 4K60 4:4:4 Video w/ eARC Audio

MPN: EXT-HDBT3ARC-100M



The KanexPro **EXT-HDBT3ARC-100M** HDBaseT 3.0 Extender can extend uncompressed HD/UHD video and audio signals, eARC/ARC, RS-232, bi-directional IR, 1GbE Ethernet and USB2.0 signals up to 100m/328ft via a single CAT6A/7 cable. The Transmitter supports audio embedding or de-embedding. The Receiver supports audio de-embed ding. It also supports eARC/ARC from RX’s HDMI output pass through to TX’s HDMI input or de-embedding to TX’s HDMI audio only and SPDIF output ports, USB 2.0 (Host/Device is configurable) and bi-directional POC. The Extender offers the most convenient solution for HDMI extension via a single CAT cable with long distance ca- pability, and is the perfect solution for home/commercial application.

FEATURES

- HDMI 2.0b, HDCP 2.2 and HDBaseT 3.0 compliant
- Uncompressed 4K@60Hz 4:4:4 up to 18Gbps video bandwidth
- HDR, HDR10, HDR10+, Dolby Vision and HLG pass through
- LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24,DTS High Res, DTS-HD Master Audio, DSD pass through
- Transmission distance up to 328ft/100 meters via a single CAT 6A/7 cable
- Supports eARC/ARC function (the audio is returned to the HDMI IN port, HDMI OUT (AUDIO ONLY) port and SPDIF OUT port of the transmitter.)
- Supports SPDIF audio reverse transmission
- Bi-directional IR, RS-232 and 1G Ethernet signal pass through
- Supports USB2.0 transmission, Host/Device is configurable
- Bi-directional 24V POC function

SPECIFICATIONS

TECHNICAL

HDMI Compliance	HDMI2.0b
HDCP Compliance	HDCP2.2
Video Bandwidth	18Gbps
Video Resolution	Upto4K@60Hz4:4:4
HDBaseT Bandwidth	16Gbps on main and 2Gbps on return link
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Color Space	RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr4:2:0
Color Depth	8/10/12-bit LPCM, Dolby Digital/Plus/EX, Dolby True
Audio Formats	HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
L/R Audio Formats	PCM2.0
SPDIF Audio Formats	LPCM2.0, AC35.1, DTS5.1
IR Level	12Vp-p
USB Bandwidth	Upto350Mbps
IR Bandwidth	20K-60KHz
Ethernet	1000Mbps
RS-232	Upto921600bps
Transmission Distance	100m (via a single CAT6A/7 cable)
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Resolution/Cable Length	4K60-Feet/Meters	4K30-Feet/Meters	1080P60-Feet / Meters
HDMI IN / OUT	16ft/5M	32ft/10M	50ft/15M

The use of "Premium HighSpeed HDMI" cable is highly recommended.



Mechanical

Housing	Metal enclosure
Color	black
Dimensions	Transmitter/Receiver: 170mm[W] x 102mm[D] x 22mm[H]
Weight	Transmitter: 425g, Receiver: 437g
Power Consumption	15.36W (POC)
Power Supply	Input: AC 100-240V 50/60Hz Output: DC 24V/1A (US/EU standard, CE/FCC/UL certified)
Operation Temperature	32-104°F / 0-40°C
Storage Temperature	-4-140°F / -20-60°C
Relative Humidity	20- 90%RH (no condensation)

Connection

Input	1 x HDMI IN [Type A, 19-pin female] Output: 1 x HDMI OUT [Type A, 19-pin female] 1 x HDBT OUT [RJ45, 8-pin female] 1 x SPDIF OUT [S/PDIF] 1 x L/ROUT [3.5mm Stereo Mini-jack] Control: 1 x IR IN [3.5mm Stereo Mini-jack] 1 x IROUT [3.5mm Stereo Mini-jack]
Transmitter	x RS-232 [3pin-3.81mm Phoenix jack] 1 x SERVICE [Mini-USB, Update port] 1 x USB HOST [USB-Type B] x USB DEVICES [USB Type A] 1 x LAN [RJ45] Input: 1 x HDBT IN [RJ45, 8-pin female] 1 x SPDIF IN [S/PDIF] Output: 1 x HDMI OUT [Type A, 19-pin female] 1 x L/ROUT [3.5mm Stereo Mini-jack] Control: 1 x IR IN [3.5mm Stereo Mini-jack] 1 x IROUT [3.5mm Stereo Mini-jack]
Receiver	x RS-232 [3pin-3.81mm Phoenix jack] 1 x SERVICE [Mini-USB, Update port] 1 x USB HOST [USB Type B] x USB DEVICES [USB Type A] 1 x LAN [RJ45]

APPLICATION DIAGRAM

