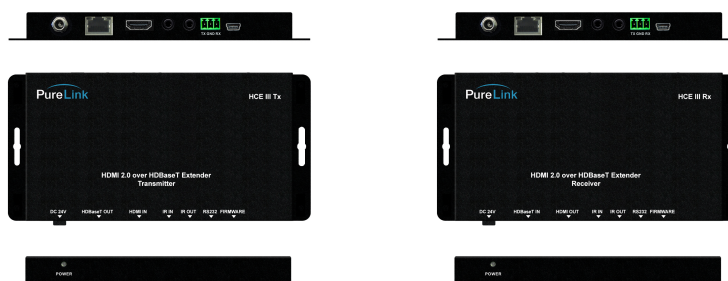


HCE III Tx/Rx 4K HDMI over HDBaseT Extension System w/Control & Bi-Directional PoE



The **HCE III Tx/Rx** HDBaseT extension system offers full HDMI 2.0 compliance supporting HDR (High Dynamic Range) and 4K@60Hz with 4:4:4 chroma sampling. Featuring PureLink’s proprietary **Précis codec**, a light compression technology, the **HCE III** can transport Ultra HD/4K, multi-channel audio, and High Dynamic Range (10 bits support) content over a single CATx cable.

The HCE III provides HDMI extension up to 130 feet (40 meters) at Ultra HD/4K and up to 230 ft. (70 meters) at 1080p over category cable with embedded multi-channel audio, CEC pass-through, bi-directional RS-232 and IR control, and PoE – all with zero loss and zero noise. The HCE III Tx/Rx also supports Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LCPM (up to 192 kHz). Additionally, the low profile “slim box” enclosure design makes the HCE III ideal for limited space installation environments, such as behind flat panel displays and video walls.

The **HCE III Tx/Rx** is a premium HDMI 2.0 HDBaseT extension system for Ultra HD/4K and HDR formats. The HCE III Tx/Rx supports 4K@60Hz with 4:4:4 chroma sampling, as well as HDMI data rates up to 18 Gbps with HDCP 2.2 compliance.

Individual units also available: [HCE III Transmitter](#) and [HCE III Receiver](#)

Key Features

- Supports resolutions up to 4K@60Hz (4:4:4)
- Supports HDR (High Dynamic Range) formats
- HDCP 2.2 compliant
- Extends HDMI up to 130 ft. (40m) at Ultra HD/4K and up to 230 ft. (70m) at 1080p
- Précis codec – visually lossless signal transmission
- High bandwidth support – up to 18 Gbps
- Supports BT.2020 color representation
- Bi-directional PoE (Power over Ethernet)
- Bi-directional RS232 & IR extension
- CEC pass-through

Hardware

AUDIO	LPCM 2/5.1/7.1 Ch, Dolby Digital+, Dolby TrueHD, Dolby Digital, Dolby Atmos, DTS:X, DTS-HD Master Audio, DTS 5.1
INPUT SIGNAL TYPE(S)	TX: (1) HDMI Type A, (1) Mini USB [firmware] RX: (1) HDBaseT [RJ45], (1) Mini USB [firmware]
OUTPUT SIGNAL TYPE(S)	TX: (1) HDBaseT [RJ45] RX: (1) HDMI Type A

HCE III Tx/Rx

4K HDMI over HDBaseT Extension System w/Control & Bi-Directional PoE

Performance

SUPPORTED DISTANCE	up to 130 ft. (40m) at Ultra HD/4K and up to 230 ft. (70m) at 1080p
SUPPORTED RESOLUTIONS	Ultra HD/4K up to 4096 x 2160 @50/60Hz (RGB 4:4:4, YCbCr 4:4:4, 4:2:2, 4:2:0)
DATA TRANSFER RATE	18 Gbps
COMPLIANCE	HDMI 2.0, HDCP 2.2
RS-232	(1) RS-232 [3-pin phoenix]
IR EXTENSION	(1) x IR input [3.5mm stereo mini-jack]; 1 x IR output [3.5mm stereo mini-jack]
POWER CONSUMPTION	24W (max)
INPUT POWER REQUIREMENTS	AC100 – 240V 50/60Hz
POWER SUPPLY	DC 24V/1A (US/EU standard, CE/FCC/UL certified)
OPERATING TEMPERATURE	32° ~ 117° F (0° to 47° C)
STORAGE TEMPERATURE	-4° ~ 140° F (-20° to 60° C)
RELATIVE HUMIDITY	0 ~ 90% non-condensing
MTBF	50,000 hours

Enclosure

RACK MOUNTING OPTION	Standard 19-inch rack-mountable design
PRODUCT DIMENSIONS	7.2" x 3.5" x 0.7" (183 x 88 x 18mm)
PRODUCT WEIGHT	1.0 lbs (0.45 kg)

Warranty

WARRANTY	Limited Warranty (3-Years)
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