

HTE-T III TX/RX 4K-HDR over HDBaseT Extension System



The **HTE-T III 4K-HDR HDMI Extender over Single Cat.X with HDBaseT, RS-232, Bi-directional IR, Ethernet, PoC & ARC** boosts up your video/audio transmission distance to 100m (330ft) in HDTV 1080p with 36-bit color depth and 70m (230ft) at 4K-HDR. With the advanced design for the latest HDMI 2.0a technology, deep color video, DTS-HD or Dolby TrueHD audio, and HDCP 2.2 supports and compatibility are all further insured.

Key Features

- HDMI 2.0a compliant
- 4K2K@60 4:4:4 8bits
- HDR 4K2K@60 4:2:0 10bits
- Extends HDMI signal up to 100m (330ft) from the HDMI source at Full HD 1080p 36-bit, 70m (230ft) at 4K2K@60 444 (4K-HDR Technology)
- PoC (Power over Cable) which can power both units from TX or RX side with power supply
- ARC on transmitter & receiver unit
- HDCP & EDID Bypass
- CEC support
- Auto equalization
- Pure unaltered uncompressed 7.1ch digital HDMI over Cat.5/5e/6 cable transmission
- DTS-HD Master Audio and Dolby TrueHD high bit rate audio support
- Full frequency IR signal from 20KHz to 60KHz
- Bi-directional IR path-through
- Integrated port for LAN/network device
- Full Duplex RS-232 control up to 115,200 bps through connector
- Wall mounting housing design for easy and robust installation
- Video latency less than 20 ms.

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Technical Specifications

ROLE OF USAGE	TX: Transmitter RX: Receiver
HDMI COMPLIANCE	HDMI 2.0a
HDCP COMPLIANCE	Yes
VIDEO BANDWIDTH	Single-link 600MHz [18Gbps]
VIDEO SUPPORT	HDR 4K2K@60 (4:2:0 10bits) / 4K2K@60 (4:4:4 8bits)
HDMI OVER UTP	1080p@60 100m (330ft) [CAT5e]
AUDIO SUPPORT	Surround sound [up to 7.1ch] or stereo digital audio
EQUALIZATION	Auto
INPUT TMDS SIGNAL	1.2 Volts [peak-to-peak]
INPUT DDC SIGNAL	5 Volts [peak-to-peak, TTL]
ESD PROTECTION	Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge]
PCB STACK-UP	6-layer board [impedance control — differential 100Ω; single 50Ω]
IR PASS-THRU	Bi-directional
RS-232 SUPPORT	Yes
POC SUPPORT	Yes
INPUT	TX: 1x HDMI / 1x 3.5mm RX: 1x RJ-45 / 1x 3.5mm
OUTPUT	TX: 1x RJ-45 / 1x 3.5mm/ 1x SPDIF RX: 1x HDMI / 1x 3.5mm / 1x SPDIF
IN/OUT	TX: 1x RS-232 / 1x RJ-45 (Ethernet) RX: 1x RS-232 / 1x RJ-45 (Ethernet)
HDMI SOURCE CONTROL	Controllable via IR pass-through from RX to TX with IR extenders
HDMI CONNECTOR	Type A [19-pin female]
MIN DIN CONNECTOR	DIN-9
RJ-45 CONNECTOR	WE/SS 8P8C(Reverse Mode)
ROTARY CONTROL SWITCH	None
3.5MM CONNECTOR	TX: IR receiver / IR blaster RX: IR receiver / IR blaster

Mechanical

Housing	Metal enclosure
Dimensions	MODEL 153 x 73 x 21 mm [6" x 2.9" x 0.8"]
[L x W x H]	PACKAGE TBA
	CARTON TBA
Weight	MODEL TX: 160g[5.6 oz] RX: 188g[6.6 oz]
	PACKAGE TBA
Fixedness	Wall-mounting case with screws
Power supply	24V 1A DC
Power consumption	TX: 15 Watt [max] RX: 15 Watt [max]
Operation temperature	0~40°C [32~104°F]
Storage temperature	-20~60°C [-4~140°F]
Relative humidity	20~90% RH [no condensation]