KRAMER

TP-780T

4K60 4:2:0 HDMI HDCP 2.2 PoE Transmitter with RS-232 & IR over Long-Reach HDBaseT

| HDMI | HDBaseT | 4K/60 UHD (4:2:0)
| HDCP 2.2 Compatible

TP-780T is a high-performance, long-reach HDBaseT transmitter for 4K60Hz (4:2:0) HDMI, RS-232 and IR signals over twisted pair. TP-780T converts all input signals into the transmitted HDBaseT signal. It extends video signals to up to 40m (130ft) over CAT copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions

FEATURES

High Performance Standard Extender - Professional HDBaseT extender for providing long-reach signals over twisted-pair copper infrastructures. TP-780T is a standard extender that can be connected to any market-available HDBaseT-compliant extension product. For optimum extension reach and performance, use recommended Kramer cables

HDMI Signal Extension - HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D. EDID and CEC signals are passed through from the source to the display

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems

Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound

Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control

Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line

Cost-effective Maintenance - Status LED indicators for HDMI and HDBT ports facilitate easy local maintenance and troubleshooting. Local firmware upgrade via RS-232 connection and the K-Upload tool ensures lasting field-proven deployment

Easy and Elegant Installation - Single cable connectivity for both HDBaseT signals and power. Compact MegaTOOLS™ fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter

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TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI on an HDMI connector
OUTPUTS:	1 HDBT on an RJ−45 female connector
PORTS:	1 IR on a 3.5mm mini jack for IR link extension, 1 RS−232 on a 9−pin D−sub connector for serial link extension and device firmware upgrade
EXTENSION LINE:	HDBaseT 1.0 compliant; Up to 40m (130ft) at 4K @60Hz (4:2:0); up to 70m (230ft) at full HD (1080p @60Hz 36bpp); Note: When using Kramer HDBaseT cables
VIDEO:	Up to 10.2Gbps bandwidth (3.4Gbps per graphic channel) Up to 4K UHD @60Hz (4:2:0) 24bpp resolution HDMI 2.0 and HDCP 2.2 signal compliance
EXTENDED RS-232:	300 to 115200 baud rate
CONTROL RS-232:	115200 baud rate
POWER SOURCE:	48V DC, 1.36A
POWER CONSUMPTION:	48V DC, 240mA
ENCLOSURE:	Mega Tools size, aluminum type
COOLING:	Convection ventilation
OPERATING TEMPERATURE:	0° to 40°C (32° to 104°F)
STORAGE TEMPERATURE:	−40° to +70°C (−40° to 158°F)
HUMIDITY:	10% to 90%, RHL non−condensing
INCLUDED ACCESSORIES:	Power supply
PRODUCT DIMENSION:	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H
PRODUCT WEIGHT:	0.4kg (1.0lbs) approx
SHIPPING DIMENSION:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H
SHIPPING WEIGHT:	1.0kg (2.2lbs) approx

TP-780T

TP-780R

External
IR
Emitter

IR   DVD

HDMI

TP

RS-232

Laptop

HDMI

RS-232

IR

Projector

External
IR
Sensor