TP-581T

HD HDMI Transmitter with Ethernet, RS-232
& IR over Extended-Reach HDBaseT

| HDMI | Ethernet - RJ-45 | HDCP Compliant | HDBaseT

TP-581T is a high-performance, extended-reach HDBaseT transmitter for 1080p60Hz HDMI, Ethernet, RS-232 and IR signals over twisted pair. The TP-581T converts all input signals into the transmitted HDBaseT signal. It extends video signals to up to 130m (430ft) over CAT copper cables at up to 1080p@60Hz 36bpp video resolution. The TP-582R converts the HDBaseT twisted pair signal back to Ethernet, RS-232, IR and two HDMI outputs, and de-embeds the audio to S/PDIF and TOSLINK® audio outputs

FEATURES

High Performance Standard Extender - Professional HDBaseT extender for providing extended-reach signals over twisted-pair copper infrastructures. TP-581T 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 1.4 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, and 3D. EDID 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 8 channels of digital stereo uncompressed signals for supporting studio-grade surround sound

Ethernet Extension - Ethernet interface data flows in both directions, allowing extension of up to 100Mbps Ethernet connectivity for LAN communication and device control

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

Easy and Elegant Installation - Compact MegaTOOLS™ fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the optional RK-T2B rack adapter

KRAMER

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, 1 10Base−T/100BaseTx Ethernet on an RJ−45 female connector for LAN extension
EXTENSION LINE:	HDBaseT 1.0 compliant; up to 130m (430ft) at full HD (1080p @60Hz 36bpp); Note: When using Kramer HDBaseT cables
VIDEO:	Up to 6.75Gbps bandwidth (2.25Gbps per graphic channel), Up to 1080p@60Hz 36bpp resolution, HDMI 1.4 and HDCP 2.2 signal compliance
EXTENDED ETHERNET:	Up to 100Mbps extended line rate bandwidth
EXTENDED RS-232:	300 to 115200 baud rate
POWER SOURCE:	5V DC, 4A
POWER CONSUMPTION:	5V DC, 800mA
ENCLOSURE:	Mega Tools size, Aluminium type
COOLING:	Convection ventilation
INCLUDED ACCESSORIES:	Power supply 5V/4A, bracket installation kit
PRODUCT DIMENSION:	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H
PRODUCT WEIGHT:	0.0kg (0.0lbs) approx
SHIPPING DIMENSION:	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
SHIPPING WEIGHT:	0.8kg (1.8lbs) approx
OPTIONS:	RK−T2B 19" rack mount

TP-581T

CAT 5

External
IR
Transmitter

DVD

ETH

Network

RS-232

Laptop

External
IR
Sensor

IR

TP-582R

RS-232

Network

Projector

HDMI

HDMI

S/PDIF

LCD Display
with Speakers

LCD Display
with Speakers

Digital Audio
Player/Recorder