TP-582T

2x1 HDMI switchable Transmitter with Ethernet, RS-232 & IR over Extended-Reach HDBaseT

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

TP-582T is a high-performance, extended-reach HDBaseT switchable transmitter for 1080p60Hz HDMI, Ethernet, RS-232 and IR signals over twisted pair. The TP-582T 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 - Switchable, professional HDBaseT extender for providing extended-reach signals over twisted-pair copper infrastructures. TP-582T 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 - 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

Simple Control Operation - Easy selection of input video signals for its extension, locally via front panel button, or remotely via either remote IR control or control buttons connected to rear panel contact closures

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 recommended rack adapter

TECHNICAL SPECIFICATIONS

INPUTS:	2 HDMI on HDMI connectors, 1 remote IR sensor, 2 remote contact closures on a 3-pin terminal block connector
OUTPUT:	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, 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, aluminum type
COOLING:	Convection ventilation
INCLUDED ACCESSORIES:	Power supply 5V/4A, bracket installation kit
Product Dimensions	19.00cm x 11.50cm x 2.70cm (7.48" x 4.53" x 1.06") W, D, H
Product Weight	0.4kg (1.0lbs) approx
Shipping Dimensions	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
Shipping Weight	1.0kg (2.1lbs) approx

TP-582T

HDMI

External
IR
Transmitter

DVD 1

CAT 6

ETH

Network

RS-232

Laptop

IR
DVD 1 IR
Transmitter

External
IR
Sensor

HDMI

DVD 2

TP-582R

RS-232

Network

Projector

HDMI

HDMI

S/PDIF

LCD Display
with Speakers

LCD Display
with Speakers

AudioPlayer
Recorder/Digita