KRAMER

TP-580Txr
4K60 4:2:0 HDMI HDCP 2.2 Transmitter with RS232 & IR over ExtendedReach HDBaseT

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

TP580Txr is a highperformance, extendedreach HDBaseT transmitter for 4K60Hz (4:2:0) HDMI, RS232 and IR signals over twisted pair. The TP580Txr converts all input signals into the transmitted HDBaseT signal. It extends video signals to up to 100m (330ft) 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 extendedreach signals over twistedpair copper infrastructures. TP580Txr is a standard extender that can be connected to any marketavailable HDBaseTcompliant extension product. For optimum extension reach and performance, use recommended Kramer cables

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

IEDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and passthrough algorithm that ensures Plug and Play operation for HDMI source and display systems

Multichannel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studiograde surround sound

Bidirectional RS232 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 RS232 connection and the KUpload tool ensures lasting, fieldproven deployment

Easy Installation - Compact DigiTOOLS® fanless enclosure for droppedceiling mounting, or sidebyside mounting of 3 units in a 1U rack space with the optional RK3T rack adapter

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INPUTS:	1 HDMI on an HDMI connector
OUTPUTS:	1 HDBT on an RJ45 female connector
PORTS:	1 IR on a 3.5mm mini jack for IR link extension, 1 RS232 on a 9pin Dsub connector for serial link extension and device firmware upgrade
EXTENSION LINE:	HDBaseT 1.0 compliant; Up to 100m (330ft) at 4K @60Hz (4:2:0); up to 130m (430ft) at full HD (1080p @60Hz 36bpp); up to 180m (590ft) at HDBaseT ultra mode and full HD (1080p @60Hz 24bpp); 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:	12V DC, 2A
POWER CONSUMPTION:	12V DC, 295mA
ENCLOSURE:	DigiTools size, Aluminium 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 noncondensing
COOLING:	Convection ventilation
PRODUCT DIMENSION:	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96") W, D, H
PRODUCT WEIGHT:	0.2kg (0.4lbs) approx
SHIPPING DIMENSION:	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43") W, D, H
SHIPPING WEIGHT:	0.7kg (1.6lbs) approx
INCLUDED ACCESSORIES:	Power supply

TP-580TXR

CAT 5

HDMI

External
IR
Emitter   IR

RS-232

Laptop

TP-580RXR

HDMI

RS-232

Projector

IR

External
IR
Sensor