KRAMER

TP-780TXR

4K UHD HDMI, Ethernet, Bidirectional
RS232 & IR over Extended Range HDBaseT
Twisted Pair Transmitter with POE

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

TP780TXR is a highperformance, HDBaseT twisted pair transmitter for 4K@60Hz (4:2:0) UHD, 2Kx4K HDMI, Ethernet, bidirectional RS232, IR signals and PoE. The TP780TXR inputs HDMI, Ethernet, RS232, and IR signals and converts them into an HDBaseT twisted pair signal that it transmits to a TP780RXR receiver. The TP780TXR provides power remotely over Ethernet to the TP780RXR where it might be difficult to connect an external power supply. This allows a single HDBT LAN cable to provide both data and electrical power to compatible devices

FEATURES

Max. Resolution - 4K@60Hz (4:2:0) UHD, 2Kx4K

Max. Data Rate - 10.2Gbps (3.4Gbps per graphic channel)

HDTV Compatible

HDCP Compliant

HDBaseT™ Technology

Power Over Ethernet - Allows a single HDBT LAN cable to provide both data and electrical power to compatible devices

TP-780TXR Provides Power to TP-780RXR

Ethernet Passthrough

HDMI Support - Deep Color, x.v.Color™, Lip Sync, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTSHD, CEC

3D Pass-Through

EDID PassThru - Passes EDID signals between the source and display

2K & 4K Support

Bidirectional RS-232 & IR Interface - Commands and data can flow in both directions via the RS232 interface, allowing status requests and remote control of the destination unit

System Range - Up to 130m (430ft) at normal mode (2K), up to 100m at normal mode (4K); up to 180m (590ft) ultra mode (1080p @60Hz @24bpp) when using BCHDKat6a cables

Cable - For optimum range and performance using HDBaseT™, use Kramer's BCHDKat6a cable. Note that the transmission range depends on the signal resolution, source and display used. The distance using nonKramer CAT 6 cable may not reach these ranges

Indicators - Status LEDs for input, output, link and power

TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI connector
OUTPUTS:	1 RJ45 connector
PORTS:	1 IR on a 3.5mm mini jack, 1 RS232 on a 9pin Dsub connector
MAX. DATA RATE:	10.2Gbps (3.4Gbps per graphic channel)
RS-232 BAUD RATE:	115200
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP
POWER CONSUMPTION:	48V DC, 280mA
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
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 (0.9lbs) 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
INCLUDED ACCESSORIES:	Power supply 48V/1.36A, bracket installation kit
OPTIONS:	RKT2B 19" rack mount, Kramer external IR sensor (P/N: 950104050), Kramer IR emitter cable (P/N: CA35/IRE10)