

TP-780RXR

4K60 4:2:0 HDMI HDCP 2.2 PoE Receiver
with RS232 & IR over ExtendedReach
HDBaseT

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



TP780RXR is a highperformance, HDBaseT twisted pair receiver for 4K@60Hz (4:2:0) UHD, 2Kx4K HDMI, Ethernet, bidirectional RS232, IR signals and PoE. TP780RXR inputs an HDBaseT twisted pair signal that it receives from the TP780TXR and converts it into HDMI, Ethernet, RS232, and IR signals. 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 twisted pair RJ45 connector
OUTPUTS:	1 HDMI 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:	12V DC, 500mA
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:	0.5kg (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
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)

