KRAMER

TP-780R
4K60 4:2:0 HDMI HDCP 2.2 PoE Receiver
with RS232 & IR over LongReach HDBaseT

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

The TP780R is a highperformance, longreach HDBaseT receiver for 4K60Hz (4:2:0) HDMI, RS232 and IR signals over twisted pair. The TP780R decodes an HDBaseT signal that it receives over twisted pair from a transmitter, such as TP780T into 4K60Hz (4:2:0) HDMI, RS232 and IR output signals

FEATURES

Reach Extension - Up to 40m (130ft) at 4K@60Hz (4:2:0); up to 70m (230ft) at full HD (1080p @60Hz 36bpp), when using Kramer HDBaseT cables

Transmitted Data Bandwidth - Up to 10.2Gbps (3.4Gbps per graphic channel)

Transmitter Compliance - Complies with HDBaseT transmitter

Video Resolution - Up to 4K@60Hz (4:2:0) 24bpp

HDMI Signal Transmission - HDMI 2.0 and HDCP 2.2 compliant signal, supporting deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTSHD, CEC, Full HD, 2K, 4K, and 3D

Multichannel Audio Transmission - Up to 32 channels of digital stereo uncompressed signals for supporting surround sound at studio level

EDID and CEC Pass Through - Passes EDID and CEC signals from the source to the display

Bidirectional RS232 Transmission - Serial interface data flows in both directions to allow data transmission and device control

Bidirectional Infrared Transmission - IR interface data flows in both directions to allow remote control of peripheral devices located at either end of the extended line

Firmware Upgrade - Local upgrade via RS232 control connection and the KUpload tool to ensure fieldproven deployment

LED Indicators - Status indicators for HDMI input and the HDBT output link facilitate maintenance and troubleshooting

Easy Installation - Single cable for receiving both HDBaseT signals and PoE from the transmitter. Compact Mega TOOLS™ fanless enclosure for overceiling mounting, or sidebyside mounting of 2 units in a 1U rack space with the optional RKT2B rack adapter

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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:	Supports up to 10.2Gbps (3.4Gbps per graphic channel)
REACH EXTENSION:	Up to 40m (130ft) at 4K@60Hz (4:2:0); up to 70m (230ft) at full HD (1080p @60Hz 36bpp), when using Kramer HDBaseT cables
RS-232 BAUD RATE:	Up to 115200
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP
POWER CONSUMPTION:	12V DC, 450mA
OPERATING TEMPERATURE:	0° to 40°C (32° to 104°F)
STORAGE TEMPERATURE:	40° to +70°C (40° to 158°F)
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
HUMIDITY:	10% to 90%, RHL noncondensing
INCLUDED ACCESSORIES:	Power supply
OPTIONS:	RKT2B 19" rack mount, Kramer external IR sensor (P/N: 950104050), Kramer IR emitter cable (P/N: CA35/IRE10)

TP-780T

TP-780R

External
IR
Emitter

IR

DVD

HDMI

TP

RS-232

Laptop

HDMI

RS-232

IR

Projector

External
IR
Sensor