



KRAMER

TP-780T

4K UHD HDMI, Bidirectional RS232, IR over Twisted Pair HDBaseT Transmitter with POE

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



TP780T is a 4K UHD, twisted pair transmitter for HDMI, bidirectional RS232 and IR signals. It supports resolutions up to 4K@60Hz (4:2:0) UHD. TP780T converts HDMI, RS232, and IR signals into a twisted pair signal that it transmits to a TP780R receiver. TP780R converts the twisted pair signal back into HDMI, bidirectional RS232 and IR signals. TP780T supports PoE (Power over Ethernet)

FEATURES

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

Resolution Support - Up to 4K@60Hz (4:2:0) UHD

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-780T Provides Power to TP-780R

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 - 70m (230ft) at 2K, 40m (130ft) at 4K UHD resolutions

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



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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:	Supports up to 10.2Gbps (3.4Gbps per graphic channel)
RS-232 BAUD RATE:	115200
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP
POWER CONSUMPTION:	48V DC, 240mA
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 (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
OPTIONS:	RKT2B 19" rack mount, Kramer external IR sensor (P/N: 950104050), Kramer IR emitter cable (P/N: CA35/IRE10)

