



TP-780T

4K60 4:2:0 HDMI HDCP 2.2 PoE Transmitter with RS-232 & IR over Long-Reach HDBaseT



The TP-780T is a 4K60Hz (4:2:0) HDMI PoE transmitter with RS-232 & IR over long-reach HDBaseT. The TP-780T converts HDMI, RS-232, and IR signals into a twisted pair signal that it transmits to a TP-780R receiver. The TP-780R converts the twisted pair signal back into HDMI, bidirectional RS-232 and IR signals. The TP-780T and TP-780R support PoE (Power over Ethernet).

FEATURES

- Max. Data Rate - 10.2Gbps (3.4Gbps per graphic channel).
- Resolution Support - Up to 4K@60Hz (4:2:0).
- 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, DTS-HD, 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 RS-232 interface, allowing status requests and remote control of the destination unit.
- System Range - 70m (230ft) at 2K, 40m (130ft) at 4K@60Hz (4:2:0) resolutions.
- Cable - For optimum range and performance using HDBaseT™, use Kramer's BC-HDKat6a cable. Note that the transmission range depends on the signal resolution, source and display used. The distance using non-Kramer 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 RJ-45 connector.
PORTS:	1 IR on a 3.5mm mini jack, 1 RS-232 on a 9-pin D-sub 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 non-condensing.
DIMENSIONS:	18.8cm x 11.5cm x 2.5cm (7.4" x 4.5" x 1.0") W, D, H.
WEIGHT:	0.6kg (1.4lbs).
INCLUDED ACCESSORIES:	Power supply.
OPTIONS:	RK-T2B 19" rack mount, Kramer external IR sensor (P/N: 95-0104050), Kramer IR emitter cable (P/N: C-A35/IRE-10).

