



# KRAMER

## TP-580T

4K UHD HDMI, Bidirectional RS-232 & IR over HDBaseT Twisted Pair Transmitter



The TP-580T is a high-performance, HDBaseT twisted pair transmitter for 4K@60 UHD (4:2:0), 2Kx4K HDMI, bidirectional RS-232 and IR signals. The TP-580T inputs HDMI, RS-232, and IR signals and converts them into an HDBaseT twisted pair signal that it transmits to a TP-580R receiver.

## FEATURES

- Max. Data Rate - 10.2Gbps (3.4Gbps per graphic channel).
- HDTV Compatible.
- HDCP Compliance.
- Resolution Support - 4K@60 UHD (4:2:0), 2Kx4K.
- HDBaseT™ Technology.
- 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.
- 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 UHD 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.
- Compact DigiTOOLS® - 3 units can be rack mounted side-by-side in a 1U rack space with the optional RK-3T universal rack adapter.

TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI connector.
OUTPUTS:	1 HDBaseT twisted pair RJ-45 connector.
PORTS:	1 IR on a 3.5mm mini jack, 1 RS-232 on a 9-pin D-sub connector.
BANDWIDTH:	10.2Gbps (3.4Gbps per graphic channel).
RS-232 BAUD RATE:	115200.
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP.
POWER CONSUMPTION:	12V DC, 275mA.
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:	12.0cm x 7.2cm x 2.4cm (4.72" x 2.81" x 1.0") W, D, H.
WEIGHT:	0.6kg (1.4lbs).
INCLUDED ACCESSORIES:	Power supply.
OPTIONS:	RK-3T 19" rack mount.

