



# KRAMER

## TP-580T

4K60 4:2:0 HDMI HDCP 2.2 Transmitter with RS232 & IR over Long-Reach HDBaseT

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



The TP580T is a highperformance, HDBaseT twisted pair transmitter for 4K@60 UHD (4:2:0), 2Kx4K HDMI, bidirectional RS232 and IR signals. The TP580T inputs HDMI, RS232, and IR signals and converts them into an HDBaseT twisted pair signal that it transmits to a TP580R 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, DTSHD, 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 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 BCUNIKat 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

**Compact DigiTOOLS®** - 3 units can be rack mounted sidebyside in a 1U rack space with the optional RK3T universal rack adapter



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## TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI connector
OUTPUTS:	1 HDBaseT twisted pair RJ45 connector
PORTS:	1 IR on a 3.5mm mini jack, 1 RS232 on a 9pin Dsub 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 noncondensing
PRODUCT DIMENSION:	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96" ) W, D, H
PRODUCT WEIGHT:	0.2kg (0.4lbs) approx
SHIPPING DIMENSION:	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43" ) W, D, H
SHIPPING WEIGHT:	0.7kg (1.6lbs) approx
INCLUDED ACCESSORIES:	Power supply
OPTIONS:	RK3T 19" rack mount

