



## TP-581T

HDMI, Bidirectional RS-232, Ethernet & IR over HDBaseT Twisted Pair Transmitter



The **TP-581T** is a high-quality HDBaseT twisted pair transmitter for HDMI, Ethernet 100BaseT, bidirectional RS-232 and IR signals. The **TP-581T** takes the HDMI, Ethernet 100BaseT, RS-232 and IR input signals and converts them to an HDBaseT twisted pair signal. The TP-582R converts the HDBaseT twisted pair signal back to Ethernet 100BaseT, RS-232, IR and two HDMI outputs, and de-embeds the audio to S/PDIF and TOSLINK® audio outputs.

## FEATURES

- Max. Data Rate - 6.75Gbps (2.25Gbps per graphic channel).
- HDBaseT Technology.
- HDTV Compatible.
- HDCP Compliance.
- 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 Interface - Commands and data can flow in both directions via the RS-232 interface, allowing status requests and control of the destination unit.
- Ethernet Interface - Passes 100BaseT.
- System Range - Signals of up to 6.75Gbps (up to 1080p@60Hz 36-bit) over a range of up to 130m (430ft) when using BC-HDKat6a cables.
- 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.
- Control - Front panel.
- Indicators - Status LEDs for input selection, output, link and power.
- Compact MegaTOOLS® - 2 units can be rack mounted side-by-side in a 1U rack space with the optional RK-T2B universal rack adapter.



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### TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI connector, 1 IR on a 3.5mm mini jack, 1 Ethernet 100BaseT on an RJ-45 connector, 1 RS-232 on a 9-pin D-sub connector.
OUTPUTS:	1 HDBaseT RJ-45 connector.
MAX. DATA RATE:	6.75Gbps (2.25Gbps per graphic channel).
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP.
POWER CONSUMPTION:	5V DC, 800mA.
DIMENSIONS:	18.8cm x 11.4cm x 2.4cm (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 BC-HDKat6a cable.

