TP-581T

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

The TP-581T is a high-quality twisted pair transmitter for HDMI, Ethernet 100BaseT, bidirectional RS-232 and IR signals. The TP-581T takes the HDMI input, and converts it with the Ethernet 100BaseT, RS-232 and IR input signals to a twisted pair signal. The TP-582R converts the 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 - 2.25Gbps.

HDBaseT Technology.

HDTV Compatible.

HDCP Compliance.

HDMI Support - HDMI (V.1.4 with Deep Color, x.v.Color™, Lip Sync, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS-HD, CEC).

3D Pass-Through.

EDID PassThru - Passes EDID/HDCP signals from source to 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 - Up to 100m (330ft).

Cable - Requires shielded twisted pair (STP) cable. For optimum range and performance use, use Kramer's BC-DGKat524, BC-DGKat623 and BC-DGKat723 cables. Note that the transmission range depends on the signal resolution, graphics card and display used. The distance using non-Kramer CAT 5, CAT 6, and CAT 7 cables may not reach these ranges. Use only shielded cable where both ends of the shield are soldered to ground.

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 RJ−45 connector.
BANDWIDTH:	Supports up to 2.25Gbps bandwidth per graphic channel.
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP.
POWER SOURCE:	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).
ACCESSORIES:	Power supply.
OPTIONS:	RK−T2B 19" rack mount.