



## TP-582T

2x1 HDMI Plus Bidirectional RS-232, Ethernet & IR over HDBaseT Twisted Pair Switcher/Transmitter



The TP-582T is a high-quality twisted pair transmitter for HDMI, Ethernet 100BaseT, bidirectional RS-232 and IR signals. The TP-582T selects one of two HDMI inputs, and converts it with the Ethernet 100BaseT, RS-232 and IR input signals 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** - Requires shielded twisted pair (STP) cable. For optimum range and performance use, use Kramer's BC-DGKat524, BC-DGKat623 and BCP-DGKat724 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 and contact closure switching.
- **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.



## TP-582T

### TECHNICAL SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| INPUTS:                        | 2 HDMI connectors, 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, 1 remote contact closure on a terminal block connector. |
| OUTPUT:                        | 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.  |

