



## TP-580TD

4K60 4:2:0 DVI HDCP 2.2 Transmitter with  
RS-232 & IR over Long-Reach HDBaseT

| DVI | HDCP Compliant | HDBaseT  
| 4K/60 UHD (4:2:0) | HDCP 2.2 Compatible



TP-580TD is a high-performance, long-reach HDBaseT transmitter for 4K@60Hz (4:2:0) HDMI, RS-232 and IR signals over twisted pair, via single-link DVI-I connection. The TP-580TD converts all input signals into the transmitted HDBaseT signal. It extends video signals to up to 40m (130ft) over CAT copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions

## FEATURES

**High Performance Standard Extender** - Professional HDBaseT extender for providing long-reach signals over twisted-pair copper infrastructures. TP-580TD is a standard extender that can be connected to any market-available HDBaseT-compliant extension product. For optimum extension reach and performance, use recommended Kramer cables

**Secured Operation** - Highly-secured operation is ensured by lockable wiring connectivity with protection against unintentional cable disconnection

**HDMI Signal Extension** - HDCP 2.2 compliant, via single-link DVI-I connection. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0. EDID signals are passed through from the source to the display

**I-EDIDPro™ Kramer Intelligent EDID Processing™** - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems

**Multi-channel Audio Extension** - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound

**Bidirectional RS-232 Extension** - Serial interface data flows in both directions, allowing data transmission and device control

**Bidirectional Infrared Extension** - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line

**Cost-effective Maintenance** - Status LED indicators for DVI and HDBT ports facilitate easy local maintenance and troubleshooting

**Easy Installation** - Compact DigiTOOLS® fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 3 units in a 1U rack space with the recommended rack adapter



## TECHNICAL SPECIFICATIONS

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|--------------------------|--|
| Inputs                   | 1 DVI-D On a DVI-I female connector  |
| Outputs                  | 1 HDBaseT On an RJ-45 female connector   |
| Ports                    | 1 IR On a 3.5mm mini jack for IR link extension<br><br>1 RS-232 On a 9-pin D-sub connector for serial link extension and device firmware upgrade   |
| Extension Line           | Compliance HDBaseT 1.0<br><br>Up to 40m (130ft) At 4K@60Hz (4:2:0) (When using Kramer HDBaseT cables)<br><br>Up to 70m (230ft) At full HD (1080p @60Hz 36bpp) (When using Kramer HDBaseT cables) |
| Video                    | Max. Data Rate 10.2Gbps (3.4Gbps per graphic channel)<br><br>Max. Supported Resolution 4K@60Hz (4:2:0) 24bpp<br><br>Standards Compliance HDCP 2.2  |
| HDMI Support             | Deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0  |
| Extended RS-232          | Baud Rate 300 to 115200  |
| Control RS-232           | Baud Rate 115200   |
| Enclosure                | Size DigiTOOLS®<br><br>Type Aluminum<br><br>Cooling Convection ventilation   |
| Power                    | Source 12V DC, 2A<br><br>Consumption 12V DC, 275mA   |
| Environmental Conditions | Operating Temperature 0° to 40°C (32° to 104°F)<br><br>Storage Temperature: -40° to +70°C (-40° to 158°F)<br><br>Humidity 10% to 90%, RHL non-condensing   |
| Accessories              | Included Power supply unit   |
| Product Dimensions       | 12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96" ) W, D, H   |
| Product Weight           | 0.3kg (0.6lbs) approx  |
| Shipping Dimensions      | 49.00cm x 18.60cm x 58.80cm (19.29" x 7.32" x 23.15" ) W, D, H   |
| Shipping Weight          | 0.7kg (1.5lbs) approx  |

