



KRAMER

TP-580TD

4K60 4:2:0 DVI HDCP 2.2 Transmitter with RS232 & IR over LongReach HDBaseT

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



TP580TD is a highperformance, longreach HDBaseT transmitter for 4K@60Hz (4:2:0) HDMI, RS232 and IR signals over twisted pair, via singlelink DVII connection. The TP580TD 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 longreach signals over twistedpair copper infrastructures. TP580TD is a standard extender that can be connected to any marketavailable HDBaseTcompliant extension product. For optimum extension reach and performance, use recommended Kramer cables

Secured Operation - Highlysecured operation is ensured by lockable wiring connectivity with protection against unintentional cables disconnection

HDMI Signal Extension - HDMI 2.0 and HDCP 2.2 compliant, via singlelink DVII connection. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTSHD, 2K, 4K, and 3D. EDID signals are passed through from the source to the display

IEDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and passthrough algorithm that ensures Plug and Play operation for HDMI source and display systems

Multichannel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studiograde surround sound

Bidirectional RS232 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. Local firmware upgrade via RS232 connection and the KUpload tool ensures lasting, fieldproven deployment

Easy Installation - Compact DigiTOOLS™ fanless enclosure for droppedceiling mounting, or sidebyside mounting of 3 units in a 1U rack space with the optional RK3T rack adapter



TECHNICAL SPECIFICATIONS

1 DVI-I	On a DVII female connector
1 HDBaseT	On an RJ45 female connector
1 IR	On a 3.5mm mini jack for IR link extension
1 RS232	On a 9pin Dsub connector for serial link extension and device firmware upgrade
Compliance	HDBaseT 1.0
Up to 40m (130ft)	At 4K@60Hz (4:2:0) (When using Kramer HDBaseT cables)
Up to 70m (230ft)	At full HD (1080p @60Hz 36bpp) (When using Kramer HDBaseT cables)
Max. Data Rate	10.2Gbps (3.4Gbps per graphic channel)
Max. Supported Resolution	4K@60Hz (4:2:0) 24bpp
Standards Compliance	HDMI 2.0 and HDCP 2.2
Baud Rate	300 to 115200
Baud Rate	115200
Size	DigiTools
PRODUCT DIMENSION:	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 DIMENSION:	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43") W, D, H
SHIPPING WEIGHT:	0.7kg (1.5lbs) approx
Type	Aluminium
Cooling	Convection ventilation
Source	12V DC, 2A
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
Included	Power supply unit
Optional	RK3T rack adapter

