TP-580RD

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

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

TP-580RD is a high-performance, long-reach HDBaseT receiver for 4K@60Hz (4:2:0) DVI/HDMI, RS-232 and IR signals over twisted pair. 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-580RD 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

Inputs	1 HDBaseT On an RJ-45 connector
Outputs	1 DVI-D/HDMI On a female DVI-I connector
Ports	1 IR On a 3.5mm mini jack (for IR link extension)
	1 RS-232 On a 9-pin D-sub connector for serial link extension and device firmware upgrade
Extension Line	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)
Video	Max. Data Rate 10.2Gbps (3.4Gbps per graphic channel)
	Max. Supported Resolution 4K@60Hz (4:2:0) 24bpp
	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®
	Type Aluminum
	Cooling Convection ventilation
Power	Source 12V DC, 2A
	Consumption 12V DC, 275mA
Environmental Conditions	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 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