



## PT-872xr

4K HDR HDMI Compact PoC Receiver over  
Long-Reach DGKat 2.0

| HDMI | DGKat | 4K/60 UHD (4:4:4)



PT-872xr is a high-performance, long-reach DGKat™ 2.0 receiver for 4K@60Hz (4:4:4) HDR HDMI and HDCP 2.2 signals and 2-way powering over twisted pair. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal. PT-872xr extends the signal to up to 60m (200ft) at 4K@60Hz (4:4:4) resolution and up to 70m (230ft) at 4K@30Hz (4:4:4) 24bpp resolution over Kramer shielded cables

## FEATURES

**High Performance Extender** - Professional DGKat™ 2.0 receiver for providing long-reach signals and 2-way power over twisted pair copper infrastructures. PT-872xr employs low-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal

**HDMI Signal Extension** - Supports HDR, HDCP 2.2, 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 Pass-through** - Pass-through algorithm 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

**Cost-effective Maintenance** - Status LED indicators for HDMI and DGKat™ 2.0 ports facilitate easy local maintenance and troubleshooting

**Easy Installation** - Single twisted-pair cable for signal and power wiring. Compact PicoTOOLS® fan-less enclosure for device-back mounting, or side-by-side mounting of 4 units in a 1U rack space with the optional, compatible Kramer rack adapter



## TECHNICAL SPECIFICATIONS

---

Inputs	1 DGKat On an RJ-45 female connector for extension line
Outputs	1 HDMI On an HDMI female connector
Video	<p>Transmitted Data Bandwidth: Up to 18Gbps (6Gbps per graphic channel)</p> <p>Max Resolution at High Compression Level 3840x2160@60Hz (4:4:4) 24bpp</p> <p>Max Resolution at Standard Compression Level 4096x2160@60Hz (4:4:4) 24bpp</p> <p>Standards Compliance: HDR10, HDCP 2.2</p> <p>HDMI Support Supports HDR, HDCP 2.2, 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</p>
High Compression Reach Extension	<p>Using Shielded UNIKAT Cables Up to 60m (200ft) at 4K@60Hz (4:4:4), Up to 70m (230ft) at 4K@30Hz (4:4:4) or full HD (1080p @60Hz 36bpp)</p> <p>Using Plenum HDKat Cables: Up to 40m (130ft) at 4K@60Hz (4:4:4), Up to 50m (160ft) at 4K@60Hz (4:2:0) or full HD (1080p @60Hz 36bpp)</p>
Standard Compression Reach Extension	Using Shielded UNIKAT Cables Up to 40m (130ft) at 4K@60Hz (4:4:4), Up to 70m (230ft) at 4K@30Hz (4:4:4) or full HD (1080p @60Hz 36bpp)
Extension Line	<p>Signal Compression: Standard or high compression level applied to &gt;1080p signals</p> <p>Compliance: DGKat 2.0</p>
User Interface	<p>Indicators: IN, OUT, and ON LEDs</p> <p>Controls Dip-switches to define compression level</p>
Power	<p>Source: 12V DC, 2A</p> <p>Consumption: 600mA</p>
Environmental Conditions	<p>Operating Temperature: 0° to +40°C (32° to 104°F)</p> <p>Storage Temperature: -40° to +70°C (-40° to 158°F)</p> <p>Humidity: 10% to 90%, RHL non-condensing</p>
Enclosure	<p>Size Pico Tools</p> <p>Type Aluminum</p> <p>Cooling Convection ventilation</p>
Accessories	Included 1 power adapter with cord, 1 bracket set
REGULATORY	<p>Safety CE, UL</p> <p>Environmental RoHs, WEEE</p>
Product Dimensions	6.22cm x 5.18cm x 2.44cm (2.45" x 2.04" x 0.96" ) W, D, H
Product Weight	0.1kg (0.2lbs) approx
Shipping Dimensions	49.00cm x 18.60cm x 58.80cm (19.29" x 7.32" x 23.15" ) W, D, H
Shipping Weight	0.5kg (1.1lbs) approx

