PT-872xr is a high-performance, long-reach DGKat™ 2.0 receiver for 4K@60Hz (4:4:4) HDR HDMI 2.0 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. NOTE: To reach the distances listed, Kramer UNIKAT non-plenum bulk cable or pre-made assemblies MUST be used.

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.


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
- Transmitted Data Bandwidth: Up to 18Gbps (6Gbps per graphic channel)
- Max Resolution at High Compression Level: 3840x2160@60Hz (4:4:4) 24bpp
- Max Resolution at Standard Compression Level: 4096x2160@60Hz (4:4:4) 24bpp
- Standards Compliance: HDR10, HDCP 2.2
- 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

### High Compression Reach Extension
- 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)
- 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)

### 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
- Signal Compression: Standard or high compression level applied to >1080p signals
- Compliance: DGKat 2.0

### User Interface
- Indicators: IN, OUT, and ON LEDs
- Controls: Dip-switches to define compression level

### Power
- Source: 12V DC, 2A
- Consumption: 600mA

### 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

### Enclosure
- Size: Pico Tools
- Type: Aluminum
- Cooling: Convection ventilation

### Accessories
- Included: 1 power adapter with cord, 1 bracket set

### REGULATORY
- Safety: CE, UL
- Environmental: RoHs, WEEE

### 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
- 15.70cm x 12.00cm x 8.70cm (6.18” x 4.72” x 3.43”) W, D, H

### Shipping Weight
- 0.5kg (1.1lbs) approx