PT-871/2xr-KIT is a high-performance, long-reach DGKat™ 2.0 extender kit for 4K@60Hz (4:4:4) HDR HDMI 2.0 and HDCP 2.2 signals and 2-way powering over twisted pair. The PT-871xr transmitter converts all input signals into the DGKat™ 2.0 signal. The PT-872xr receiver converts the transmitted DGKat™ 2.0 signal into an HDMI signal. PT-871/2xr-KIT extends video signals to up to 60m (200ft) at 4K@60Hz (4:4:4) resolution and up to 70m (230ft) at 4K@60Hz (4:2:0) 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 extender kit for providing long-reach signals and 2-way power over twisted pair copper infrastructures. PT-871/2xr-KIT extender employs low-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency. PT-871xr converts the HDMI input signal into the transmitted DGKat™ 2.0 signal. PT-872xr converts the transmitted DGKat™ 2.0 signal into an HDMI signal. PT-871/2xr-KIT extends video signals to up to 60m (200ft) at 4K@60Hz (4:4:4) resolution and up to 70m (230ft) at 4K@60Hz (4:2:0) 24bpp resolution. NOTE: To reach the distances listed, Kramer UNIKAT non-plenum bulk cable or pre-made assemblies MUST be used.


- **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 Pico TOOLS™ fan-less enclosure for device-back mounting, or side-by-side mounting of 4 units in a 1U rack space with the recommended rack adapter.
## TECHNICAL SPECIFICATIONS

### Inputs
- 1 HDMI On an HDMI female connector (PT−871xr)
- 1 DGKat On an RJ–45 female connector for extension line (PT−872xr)

### Outputs
- 1 DGKat On an RJ–45 female connector for extension line (PT−871xr)
- 1 HDMI On an HDMI female connector (PT−872xr)

### 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

### 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, 2 bracket sets

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