

## PT-871/2xr-KIT

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

| HDMI | DGKat



PT-871/2xr-KIT is a high-performance, long-reach DGKat™ 2.0 extender kit for 4K@60Hz (4:4:4) HDR HDMI and HDCP 2.2 signals and 2-way powering over twisted pair. The PT-871xr transmitter converts the HDMI input signal into a 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@30Hz (4:4:4) 24bpp resolution over Kramer shielded cables

### 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 a 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@30Hz (4:4:4) 24bpp resolution over Kramer shielded cables

**HDMI Signal Extension** - HDR, HDCP 2.2 compliant. 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 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

 UniKomp.pl

Nowe Technologie IT

ul. Dworcowa 8  
43-200 Pszczyna  
sklep@unikomp.pl  
www.wyswietlanie.pl

Telefony  
(32) 210 22 11  
(32) 326 33 00  
(32) 212 88 22



# kramer

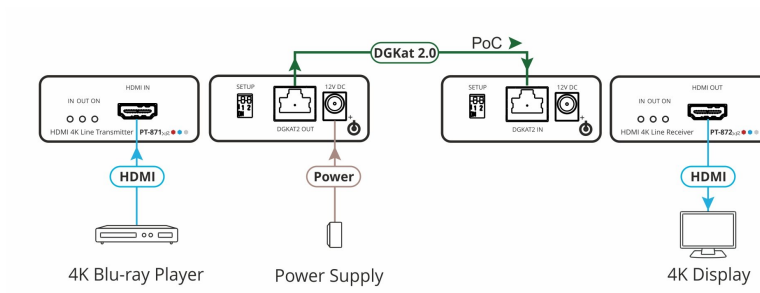
## TECHNICAL SPECIFICATIONS

---

|                                      |   |
|--------------------------------------|---|
| Inputs                               | 1 HDMI On an HDMI female connector (PT-871xr)<br>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)<br>1 HDMI On an HDMI female connector (PT-872xr)   |
| Video                                | Transmitted Data Bandwidth: Up to 18Gbps (6Gbps per graphic channel)<br>Max Resolution at High Compression Level 3840x2160@60Hz (4:4:4) 24bpp<br>Max Resolution at Standard Compression Level 4096x2160@60Hz (4:4:4) 24bpp<br>Standards Compliance: HDR10, HDCP 2.2<br><br>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 |
| 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)<br><br>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<br><br>Compliance: DGKat 2.0   |
| User Interface                       | Indicators: IN, OUT, and ON LEDs<br><br>Controls Dip-switches to define compression level   |
| Power                                | Source: 12V DC, 2A<br><br>Consumption: 600mA  |
| Environmental Conditions             | Operating Temperature: 0° to +40°C (32° to 104°F)<br><br>Storage Temperature: -40° to +70°C (-40° to 158°F)<br><br>Humidity: 10% to 90%, RHL non-condensing   |
| Enclosure                            | Size Pico Tools<br><br>Type Aluminum<br><br>Cooling Convection ventilation  |
| Accessories                          | Included 1 power adapter with cord, 2 bracket sets  |
| REGULATORY                           | Safety CE, UL<br><br>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                       | 0.2kg (0.5lbs) approx   |
| Shipping Dimensions                  | 49.00cm x 18.60cm x 58.80cm (19.29" x 7.32" x 23.15" ) W, D, H  |

Shipping Weight

0.6kg (1.4lbs) approx



ul. Dworcowa 8  
43-200 Pszczyna  
sklep@unikomp.pl  
www.wyswietlanie.pl

Telefony  
(32) 210 22 11  
(32) 326 33 00  
(32) 212 88 22