



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



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 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) 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
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

