



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 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

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 over Kramer shielded cables

HDMI Signal Extension - HDR, HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D. EDID signals are passed through from the source to the display

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and pass-through algorithm that 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 optional RK-4PT rack adapter



TECHNICAL SPECIFICATIONS

1 HDMI	On an HDMI female connector (PT-871xr)
1 DGKat	On an RJ-45 female connector for extension line (PT-872xr)
1 DGKat	On an RJ-45 female connector for extension line (PT-871xr)
1 HDMI	On an HDMI female connector (PT-872xr)
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, HDMI 2.0, HDCP 2.2
High Compression Reach Extension	Up to 60m (200ft) at 4K@60Hz (4:4:4) Up to 70m (230ft) at 4K@60Hz (4:2:0) or full HD (1080p @60Hz 36bpp) Note: When using shielded UNIKAT cables
Standard Compression Reach Extension	Up to 40m (130ft) at 4K@60Hz (4:4:4) Up to 70m (230ft) at 4K@60Hz (4:2:0) or full HD (1080p @60Hz 36bpp) Note: When using shielded UNIKAT cables
Signal Compression:	Standard low-level compression is applied to line-transmitted signals above 1080p resolution, by default. The user can, optionally, apply high-level compression to all line-transmitted signals
Compliance:	DGKat 2.0
Indicators:	IN, OUT, and ON LEDs
Controls	Dip-switches to define compression level
Source:	12V DC, 2A
Consumption:	600mA
Operating Temperature:	0° to +40°C (32° to 104°F)
Size	Pico Tools
Type	Aluminium
Cooling	Convection ventilation
Storage Temperature:	-40° to +70°C (-40° to 158°F)
Humidity:	10% to 90%, RHL non-condensing
Included	1 power adapter with cord, 2 bracket sets
Optional:	RK-4PT 19" rack adapter
Safety	CE, UL
Environmental	RoHs, WEEE

