TP-873xr is a high-performance, long-reach DGKat™ 2.0 transmitter for 4K@60Hz (4:4:4) HDR HDMI HDCP 2.2 signals, RS-232 and IR signals and 2-way powering over twisted pair. It converts the HDMI, RS-232 and IR input signals into a DGKat™ 2.0 signal and transmits it to the receiver. TP-873xr extends video signals to up to 50m (160ft) 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 transmitter for providing long-reach signals and 2-way power over twisted pair copper infrastructures. PT-873xr employs low-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency.
- **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.
- **Bidirectional RS-232 Extension** - Serial interface data flows in both directions, allowing data transmission and device control.
- **Bidirectional Infrared Extension** - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- **Cost-effective Maintenance** - Status LED indicators for HDMI and DGKat™ 2.0 ports facilitate easy local and remote maintenance and troubleshooting.
- **Easy Installation** - Single twisted-pair cable for signal and power wiring. Compact DigiTOOLS® fan-less enclosure for device-back mounting, or side-by-side mounting of 3 units in a 1U rack space with the optional, compatible Kramer rack adapter.
TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Inputs</th>
<th>1 HDMI On a female HDMI connector</th>
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<tbody>
<tr>
<td>Outputs</td>
<td>1 DGKat 2.0 On an RJ-45 female connector</td>
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<td>Ports</td>
<td>1 RS-232 On a 3-pin terminal block connector</td>
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<td></td>
<td>1 IR On a 3.5mm mini jack connector</td>
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<td>Video</td>
<td>Transmitted Data Bandwidth: Up to 18Gbps (6Gbps per graphic channel)</td>
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<td>Max Resolution at High Compression Level 3840x2160@60Hz (4:4:4) 24bpp</td>
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<td></td>
<td>Max Resolution at Standard Compression Level 4096x2160@60Hz (4:4:4) 24bpp</td>
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<td>Standards Compliance: HDR10, HDCP 2.2</td>
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**High Compression Reach Extension**
- Using Shielded UNIKAT Cables: Up to 50m (160ft) 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 35m (110ft) 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: (connected to power and providing power to a receiver) 0.87A

**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 DigiTOOLS
- Type Aluminum
- Cooling Convection ventilation

**Accessories**
- Included 1 power adapter with cord, 1 bracket set

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

**Product Dimensions**
- 12.00cm x 7.15cm x 2.44cm (4.72” x 2.81” x 0.96”) W, D, H

**Product Weight**
- 0.2kg (0.5lbs) approx

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

**Shipping Weight**
- 0.7kg (1.5lbs) approx