



## WP-871xr

4K HDR HDMI Wall-Plate PoC Transmitter  
over Long-Reach DGKat 2.0

| HDMI | DGKat | 4K/60 UHD (4:4:4)



WP-871xr is a high-performance, long-reach DGKat™ 2.0 wall-plate transmitter for 4K@60Hz (4:4:4) HDR HDMI 2.0 and HDCP 2.2 signals over twisted pair. It converts the HDMI input signal into a DGKat™ 2.0 signal and transmits it to a compatible receiver. WP-871xr extends the signal 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. This wall-plate is powered through PoC (Power over Copper) over the twisted pair cable

### FEATURES

**High Performance Transmitter** - Professional DGKat™ 2.0 transmitter for providing long-reach signals over twisted pair copper infrastructures. WP-871xr transmitter employs high-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency. It converts the HDMI input signal into a DGKat™ 2.0 signal and transmits it to a compatible receiver. WP-871xr extends the signal 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

**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 indicator for power and connectivity facilitates easy local maintenance and troubleshooting

**Easy and Cost-effective Installation** - Compactly fits into standard US, EU and UK 1-gang in-wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall-plate installation is fast and cost-effective via a single twisted pair cable, providing both video signal and power (PoC) connections



# KRAMER

## TECHNICAL SPECIFICATIONS

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|                                  |   |
|----------------------------------|---|
| Inputs                           | 1 HDMI: On an HDMI female connector   |
| Outputs                          | 1 DGKat: On an RJ-45 female connector   |
| Video                            | Max Data Rate: 18Gbps (6Gbps per graphic channel)<br>Max Resolution: 3840x2160@60Hz (4:4:4) 24bpp<br>Standards Compliance: HDR10, HDMI 2.0, HDCP 2.2  |
| High Compression Reach Extension | Up to 60m (200ft) at 4K@60Hz (4:4:4)<br>Up to 70m (230ft) at 4K@60Hz (4:2:0) or full HD (1080p @60Hz 36bpp)<br>Note: When using shielded Kramer cables  |
| Extension Line                   | Signal Compression: High-level compression is applied to line-transmitted signals above 1080p resolution, by default<br>Compliance: DGKat 2.0   |
| User Interface                   | Indicator: Power/connection<br>Controls: Dip-switches to define compression setup   |
| Power                            | Source: 12V DC, 2A<br>Consumption: 600mA  |
| Environmental Conditions         | Operating Temperature: 0° to +40°C (32° to 104°F)<br>Storage Temperature: -40° to +70°C (-40° to 158°F)<br>Humidity: 10% to 90%, RHL non-condensing   |
| Enclosure                        | Size: 1-gang<br>Type: Aluminum<br>Cooling: Convection ventilation   |
| Accessories                      | Included: power adapter with cord, bracket set  |
| STANDARDS COMPLIANCE             | Safety: CE, UL<br>Environmental: RoHs, WEEE   |
| PRODUCT DIMENSION:               | UK: 8.60cm x 3.10cm x 8.60cm (3.39" x 1.22" x 3.39" ) W, D, H<br>US: 6.98cm x 3.10cm x 11.43cm (2.75" x 1.22" x 4.50" ) W, D, H<br>US: 6.98cm x 3.10cm x 11.43cm (2.75" x 1.22" x 4.50" ) W, D, H<br>UK: 8.60cm x 3.10cm x 8.60cm (3.39" x 1.22" x 3.39" ) W, D, H<br>EU: 8.00cm x 3.10cm x 8.00cm (3.15" x 1.22" x 3.15" ) W, D, H |
| PRODUCT WEIGHT:                  | UK: 0.1kg (0.1lbs) approx<br>US: 0.1kg (0.1lbs) approx<br>US: 0.1kg (0.1lbs) approx<br>UK: 0.1kg (0.1lbs) approx<br>EU: 0.1kg (0.1lbs) approx   |
| SHIPPING                         | UK: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94" ) W, D, H  |

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SHIPPING WEIGHT: UK: 0.6kg (1.3lbs) approx

US: 0.6kg (1.2lbs) approx

US: 0.6kg (1.2lbs) approx

UK: 0.6kg (1.3lbs) approx

EU: 0.6kg (1.3lbs) approx



# KRAMER

## CONFIGURATIONS

WP-871XR/US(W/B) US-D-size Wall-Plate Transmitter, with White & Black Decora® Design Frame Sets

WP-871XR/EU-80/86(W) EU & UK-size Wall-Plate Transmitter, with EU & UK White Frames

