WP-871xr

4K HDR HDMI 1−Gang PoC Wall−Plate 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 and HDCP 2.2 signals and power 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@30Hz (4:4:4) 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
- 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 - Power and connectivity status LED indicator facilitates easy local maintenance and troubleshooting
- Easy 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

TECHNICAL SPECIFICATIONS

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)
	Max Resolution: 3840x2160@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)
Extension Line	Signal Compression: High compression level applied to >1080p signals
	Compliance: DGKat 2.0
User Interface	Indicator: Power/connection
	Controls: Dip-switches to define compression setup
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: 1-gang
	Type: Aluminum
	Cooling: Convection ventilation
Accessories	Included: power adapter with cord, bracket set
STANDARDS COMPLIANCE	Safety: CE, UL
	Environmental: RoHs, WEEE
Product Dimensions	UK: 8.60cm x 3.10cm x 8.60cm (3.39" x 1.22" x 3.39") W, D, H
	EU: 8.00cm x 3.10cm x 8.00cm (3.15" x 1.22" x 3.15") W, D, H
	US: 6.98cm x 3.10cm x 11.43cm (2.75" x 1.22" x 4.50") W, D, H
Product Weight	UK: 0.1kg (0.1lbs) approx
	EU: 0.1kg (0.1lbs) approx
	US: 0.1kg (0.1lbs) approx
Shipping Dimensions	UK: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94") W, D, H
	EU: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94") W, D, H
	US: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94") W, D, H

Shipping Weight	UK: 0.6kg (1.3lbs) approx
	EU: 0.6kg (1.3lbs) approx
	US: 0.6kg (1.2lbs) approx



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

