WP-872xr
4K HDR HDMI 1−Gang PoC Wall−Plate Receiver over Long−Reach DGKat 2.0

WP−872xr is a high−performance, long−reach DGKat™ 2.0 wall−plate receiver for 4K@60Hz (4:4:4) HDR, HDMI, HDCP 2.2 signals and power over twisted pair. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal. WP−872xr 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 can either provide or accept power through PoC (Power over Copper) over the twisted pair cable.

FEATURES

High−Performance Receiver - Professional DGKat™ 2.0 receiver for providing long−reach signals over twisted pair copper infrastructures. WP−872xr receiver 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 transmitted DGKat™ 2.0 signal into an HDMI signal.

HDMI Signal Extension - Supports HDR, HDCP 2.2, 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.

Low Profile Wall-Plate - Designed for elegant, in−wall deployment behind a wall−mounted flat panel display. Minimizes the depth of the installation, especially when connected with a Kramer right−angle HDMI cable.

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 DGKat: On an RJ−45 female connector

Outputs
1 HDMI: On an HDMI 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

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
Indicators: Power/connection
Controls: Dip−switches to define compression setup

Power
Source: 12V DC, 2A
Consumption: 580mA

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
US: 6.98cm x 3.10cm x 11.43cm (2.75” x 1.22” x 4.50” ) W, D, H

Product Weight
US: 0.1kg (0.1lbs) approx

Shipping Dimensions
US: 23.20cm x 13.60cm x 10.00cm (9.13” x 5.35” x 3.94” ) W, D, H

Shipping Weight
US: 0.6kg (1.2lbs) approx
CONFIGURATIONS

WP-872XR/US(W/B)  US-D-size Wall-Plate Transmitter, with White & Black Decora® Design Frame Sets

[Diagram showing connections between 4K Blu-ray Player, Power Supply, and 4K Display]