



WP-DEC7

High-performance, highly-scalable, AVoIP
Wall Plate Decoder for 4K over 1G network

US

EU / UK



WP-DEC7 is an advanced decoder for streaming 4K video signals via Ethernet over copper cable

FEATURES

Video Streaming Receiver - Streams up to 4K@60Hz (4:2:0) resolution signals over a 1G network interface

Streaming Support - Unicast and multicast

Analog Audio De-Embedding Output - Extract the HDMI audio or LAN streaming audio and output it as balanced analog audio

Convenient and Comprehensive Control - Control the unit using intuitive embedded web pages, Protocol 3000 API commands via Ethernet or front panel LCD and buttons

Control Gateway - Through P3K or special TCP connection, user could control/communicate with RS232 and CEC to the connected devices

Video Wall - Up to 16x16 size

PoE Support - Option to power with PoE connection from a PoE switch



TECHNICAL SPECIFICATIONS

Outputs	1 HDMI On a female HDMI connector
Ports	2 Ethernet: On RJ-45 connectors 1 Balanced Audio: On a 5-pin terminal block connector 1 RS-232: On a 3-pin terminal block connector
Network	Multicast Through RTSP (Real Time Streaming Protocol): IGMP snooping non-blocking, Layer 2 Unicast Through RTSP (Real Time Streaming Protocol) Bitrate Peak: 850Mbps, 4K average: 350Mbps, 1080p average: 250Mbps
Video	Compression Standard: JPEG based, private stream Max Resolution: 4K@30Hz 4:4:4
Video Streaming	Compression Standard: JPEG2K based, proprietary stream Max Input Resolution: 4K@60hz (4:2:0) Max Output Resolution: 4K@30hz (4:4:4) Max End-to-End Resolution: 4K@30hz (4:4:4) Scaler: Yes End-to-End Latency: 33msec Switching Time: 1sec
Resolution	4096x2160@60Hz, 1600x1200@60Hz, 1280x960@60Hz, 848x480@60Hz, 3840x2160@60Hz, 1600x900@60Hz, 1280x800@60Hz, 800x600@60Hz, 1920x1200@50Hz, 1440x900@60Hz, 1280x768@60Hz, 720x576@60Hz, 1920x1080@60Hz, 1400x1050@60Hz, 1280x720@60Hz, 720x480@50Hz, 1856x1392@60Hz, 1366x768@60Hz, 1224x768@70Hz, 640x480@60Hz, 1792x1344@60Hz, 1360x768@60Hz, 1152x864@70Hz, 640x400@85Hz, 1680x1050@60Hz, 1024x768@60Hz, 640x350@85Hz
Audio	Supported Formats: LPCM, Dolby and DTS LPCM LPCM upto 7.1/24-bit/192kHz Dolby Dolby Atmos™, Dolby TrueHD, Dolby Digital Plus™, Dolby Digital EX, Dolby Digital 5.1, Dolby Digital 2/0 Surround, Dolby Digital 2/0 DTS DTS-HD Master Audio™, DTS-HD, DTS-ES Discrete 6.1, DTS-ES Matrix 6.1, DTS Digital Surround 5.1
Security	HTTPS, 802.1x, OWASP-10, AES-128 encryption of AV streaming with changeable key
User Interface	Indicators: HDMI and ON LEDs, front panel LCD Display Recessed Buttons CH+/CH- and factory reset Controls: Embedded web pages, P3K API commands via Ethernet
Power	PoE (Power over Ethernet): 37V to 57V, maximum power consumption 12W Optional power supply: 20V DC, 6A Max
Environmental	

Conditions	Operating Temperature: 0° to +45°C (32° to 113°F)
	Storage Temperature: -20° to +70°C (-4° to 158°F)
	Humidity 10% to 90%, RHL non-condensing
Regulatory Compliance (Standards Compliance)	Safety CE, FCC
	Environmental RoHs, WEEE
Enclosure	Size: 2-gang
	Type: Metal (SGCC)
	Cooling: Convection ventilation
Product Dimensions	US: 12.10cm x 4.56cm x 12.10cm (4.76" x 1.80" x 4.76") W, D, H
	UK: 15.10cm x 4.56cm x 8.60cm (5.94" x 1.80" x 3.39") W, D, H
Product Weight	US: 0.4kg (0.9lbs) approx
	UK: 0.4kg (0.9lbs) approx
Shipping Dimensions	US: 20.00cm x 13.70cm x 7.50cm (7.87" x 5.39" x 2.95") W, D, H
	UK: 23.80cm x 13.70cm x 7.50cm (9.37" x 5.39" x 2.95") W, D, H
Shipping Weight	US: 0.6kg (1.3lbs) approx
	UK: 0.7kg (1.4lbs) approx





CONFIGURATIONS

WP-DEC7/US-D(W)	High-performance, highly scalable, AVoIP Wall Plate Decoder for 4K over 1G Network, with white Decora® Design Frame Sets
WP-DEC7/EU(W)-80/86	80/86(W) High-performance, highly scalable, AVoIP Wall Plate Decoder for 4K over 1G Network, with EU & UK White Frames

