



## KDS-17DEC

KDS 17DEC 4K60 4:4:4 AVoIP Decoder with Dante

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KDS-17DEC 4K60 4:4:4 AVoIP Decoder for streaming 4K video and audio signals, via Ethernet over copper cable or fiber in unicast (one-to-one) or multicast (one-to-many) configurations. Supports digital Dante, USB, IR, RS-232 or CEC signals

## FEATURES

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**Outstanding end-user experience** - Present video in superb 4K60 4.4.4 resolution, with best-in-class digital audio. With KDS-17, every visual detail and every nuance of sound comes through super-clearly. Enjoy extensive control of video walls, advanced connectivity options, and a wide choice of inputs/outputs and settings options

**Ideal for large-scale deployments** - Provide a high-performance solution fine tuned to the needs of large enterprise, education and government sites, with integrated advanced management capabilities and support for many simultaneous video streams

**Easy planning and deployment** - Easily and confidently integrate the AV solution into any IP network. Create A/V-enabled spaces of varying sizes swiftly and effortlessly, even without prior AV expertise. KDS-17 is very bandwidth-efficient, allowing you to leverage your IT infrastructure without perceptible network performance disruptions. Use of the existing IT network and Ethernet cabling, simplified switch configurations, and reduced dependence on skilled technicians save deployment time and cost



## TECHNICAL SPECIFICATIONS

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Inputs	1 HDMI: On a female HDMI connector
Outputs	1 HDMI: On a female HDMI connector
Ports	1 Ethernet: On an RJ-45 connector 1 Ethernet On an SFP optical/copper transceiver port 1 Balanced Audio: On a 5-pin terminal block connector 1 RS-232: On a 3-pin terminal block connector 1 IR: On a 3.5mm TRS connector
USB	2 USB-A Devices: Connecting USB 2.0 local devices 1 Level USB hub When connecting to KDS-17EN
Network	Multicast: UDP, IGMP snooping non-blocking, Layer 2 Unicast UDP Bitrate Peak: 850Mbps, 4K average: 350Mbps, 1080p average: 250Mbps
Video	Compression: Visually Lossless, proprietary codec Max Resolution: 4K@60Hz (4:4:4) HDR10 Up to 4K30 4:2:2 12 bit HDCP 1.4 and 2.3 support EDID Passthrough, output resolution, predefined default EDID, custom EDID
Resolution	4096x2160@60Hz, 1600x1200@60Hz, 1280x800@60Hz, 848x480@60Hz, 3840x2160@60Hz, 1680x900@60Hz, 1280x800@60Hz, 800x600@60Hz, 1920x1200@50Hz, 1440x900@60Hz, 1280x768@70Hz, 720x576@60Hz, 1920x1080@60Hz, 1400x1050@60Hz, 1280x720@60Hz, 720x480@50Hz, 1856x1392@60Hz, 1366x768@60Hz, 1224x768@60Hz, 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 Dante Digital Audio 2 IN and 2 OUT audio mono channels
Security	HTTPS, 802.1x, OWASP-10, AV Streaming: AES256 encryption
User Interface	Indicators: LINK, NET and ON LEDs, front panel LCD Display Rear Panel: Restart and factory reset button Controls Embedded web pages, P3K API commands via Ethernet, front panel navigation buttons
Power	PoE+ 37V to 57V

Typical Power Consumption 10.32W

AV + USB Power Consumption 20.88W

Optional power supply 20V DC, 6A. Unit has to be supplied by a power supply specified as a Limited Power Source (LPS) or PS2 source of supply

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%, non-condensing

Regulatory  
Compliance  
(Standards  
Compliance)

Safety CE, FCC

Environmental RoHs, WEEE

Enclosure

Size Mega Tool Deep

Type Aluminium

Cooling Convection Ventilation

Product Dimensions 18.90cm x 14.50cm x 2.76cm (7.44" x 5.71" x 1.09" ) W, D, H

Product Weight 0.7kg (1.5lbs) approx

Shipping Dimensions 31.20cm x 17.90cm x 7.60cm (12.28" x 7.05" x 2.99" ) W, D, H

Shipping Weight 0.9kg (2.1lbs) approx

