

## KDS-17EN

KDS 17EN 4K60 4:4:4 AVoIP Encoder



KDS-17EN 4K60 4:4:4 AVoIP Encoder for streaming 4K video and audio signals, via Ethernet over copper cable in unicast (one-to-one) or multicast (one-to-many) configurations

## **FEATURES**

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

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 1 USB-B Host: Connecting USB 3.0 PC/Laptop

2 USB-A Devices: Connecting USB 3.0 local devices

1 Level USB Hub When connecting to KDS-17DEC

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: JPEG2K-Like, private stream

Max Resolution: 4K@60Hz (4:4:4)

HDR 10 Up to 4K30 4:2:2 12 bit

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 640x400@85Hz 1792x1344@60Hz 1360x768@60Hz 1152x864@70Hz 640x350@85Hz

1680x1050@60Hz 1024x768@60Hz

Audio Supported Formats LPCM, Dolby and DTS

LPCM LPCM upto 7.1/24-bit/192kHz

Dolby Dolby AtmosTM, Dolby TrueHD, Dolby Digital PlusTM, Dolby Digital EX,

Dolby Digital 5.1, Dolby Digital 2/0 Surround, Dolby Digital 2/0

DTS DTS-HD Master AudioTM, DTS-HD, DTS-ES Discrete 6.1, DTS-ES Matrix

6.1, DTS Digital Surround 5.1

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 rear panel button

Controls Embedded web pages, P3K API commands via Ethernet, front panel

navigation buttons

Power PoE+ 37V to 57V, maximum power 15W

Optional power supply 20V DC, 6A

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, UKCA

Enclosure Size Mega Tool Deep

Type Aluminium

**Cooling Convection Ventilation** 

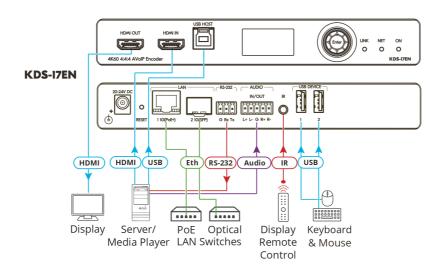
Product Dimensions 18.90cm x 14.50cm x 2.76cm (7.44" x 5.71" x 1.09") W, D, H

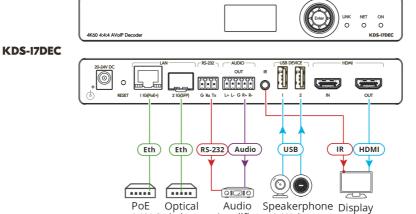
Product Weight 0.7kg (1.5lbs) approx

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

Shipping Weight 0.9kg (2.1lbs) approx







Amplifier

& Webcam

LAN Switches