# KDS-17DEC
KDS 17DEC 4K60 4:4:4 AVoIP Decoder



KDS−17DEC 4K60 4:4:4 AVoIP Decoder 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–17EN |
| 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) |
| | HDR10 Up to 4K30 4:2:2 12 bit |
| | HDCP 1.4 and 2.2 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 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 Audio, 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 button |
| | Controls Embedded web pages, P3K API commands via Ethernet, front panel navigation buttons |
| Power | |

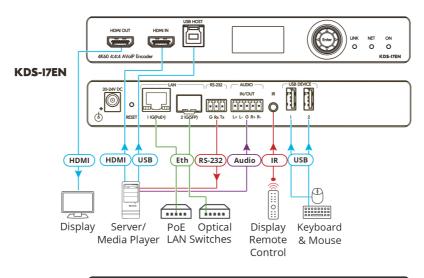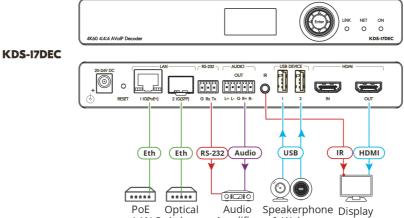| | PoE+ 37V to 57V, maximum power 15W |
|---|---|
| | Optional power supply 20V DC, 6A |
| Environmental Conditions | Operating Temperature: 0 to + 45°C (32 to + 113 °F) |
| | Storage Temperature: –20 to +70°C (–4 to + 158 °F) |
| | Humidity: 10% to 90%, non–condensing |
| Regulatory Compliance (Standards Compliance) | Safety CE, FCC |
| | Environmental RoHs, WEEE |
| 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 |