# KDS-17EN-SW2

KDS-17EN-SW2 2x1 4K60 4:4:4 AVoIP Switcher Encoder with Dante

| Ethernet - RJ-45 | 4K/30 UHD | 4K/60 UHD (4:2:0) | 4K/60 UHD (4:4:4)



KDS-17EN-SW2 2x1 4K60 4:4:4 AVoIP Switcher Encoder with Dante for streaming 4K video and audio signals, via Ethernet over copper or optical cable in unicast (one-to-one) or multicast (one-to-many) configurations. Supports audio Dante, USB, IR, RS-232 or CEC signals

## 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

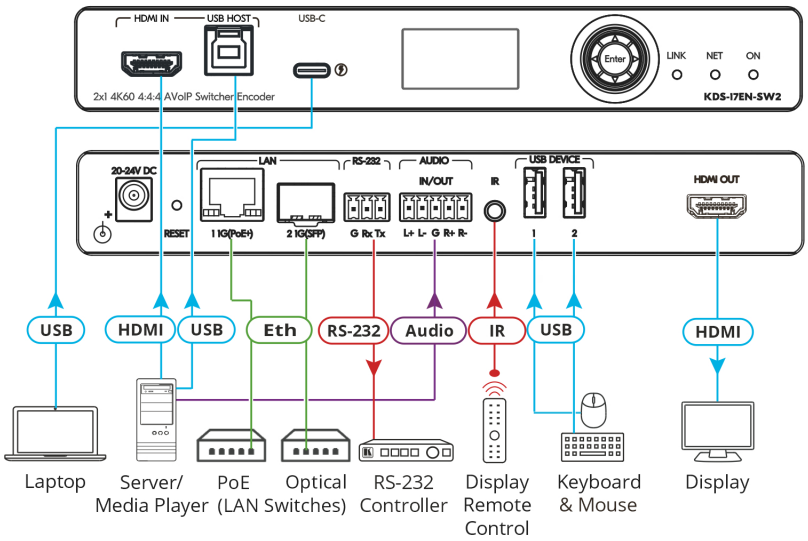
## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| 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 |
| | 1 USB-C Host: Connecting USB 3.0 PC/Laptop. Charges connected hosts that support USB Power Delivery 2.0, up to 60W, when the device is powered by the optional PS−2006 20V DC power adapter |
| | 2 USB-A Devices: Connecting USB 3.0 local devices |
| | 1 Level USB Hub When connecting to KDS−17DEC |
| 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: 4096x2160@60 4:4:4 or 5120x2160@60 4:2:0 (Passthrough, no scaling) |
| | HDR 10 Up to 4K30 4:2:2 12 bit |
| | HDCP 1.4 and 2.3 support |
| | EDID Passthrough, output resolution, predefined default EDID, or custom EDID |
| Resolution | 5120x2160@50 (4:2:0), 5120x2160@60 (4:2:0), 4096x2160@60Hz<br>1600x1200@60Hz 1280x960@60Hz 848x480@60Hz<br>3840x2160@60Hz 1600x900@60Hz 1280x800@60Hz 800x600@60Hz<br>1920x1200@50Hz 1440x900@60Hz 1280x768@60Hz 720x576@60Hz<br>1920x1080@60Hz 1400x1050@60Hz 1280x720@60Hz 720x480@50Hz<br>1856x1392@60Hz 1366x768@60Hz 1224x768@70Hz 640x400@85Hz<br>1792x1344@60Hz 1360x768@60Hz 1152x864@70Hz 640x350@85Hz<br>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 |
| | Typical Power Consumption 10.59W |
| | AV + USB Power Consumption 23.62W |
| | Full Load (including USB-C Charging) Power Consumption 89.4W |
| | Optional power supply 20V DC, 6A<br>Charger PS−2006 is required when using USB−C to charge connected hosts that support USB Power Delivery 2.0, up to 60W |
| Environmental Conditions | Operating Temperature: 0° to +40°C (32° to 104°F) |
| | Storage Temperature: –40 to +70°C (–40 to + 158 °F), 10% to 90%, non–condensing |
| | 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 17.30cm x 2.76cm (7.44" x 6.81" x 1.09" ) W, D, H |
| Product Weight | 0.9kg (2.0lbs) approx |
| Shipping Dimensions | 31.00cm x 22.00cm x 60.00cm (12.20" x 8.66" x 23.62" ) W, D, H |
| Shipping Weight | 1.1kg (2.5lbs) approx |



## KDS-17EN-SW2




## KDS-17DEC

