



kramer

KDS-SW2-EN7

4K AVoIP Encoder Switcher



KDS-SW2-EN7 auto-switch encoder with HDMI and USB-C inputs

FEATURES

Outstanding end-user experience -

- 1 HDMI and 1 USB-C with charging capabilities for laptop
- Easy-to-use KM/KVM - Searchable OSD Menu for KM and fully configurable KVM roaming
- Large scale video wall - up to 16x16
- Instantaneous switching time - 1 second

Ideal for large-scale deployments -

- Highly scalable - 999 channels build in support
- State of the art management device
- Rich set of management capabilities - Standard P3K Open API , LCD screen for configuration

Robust security -

- Cost-effective from day one
- Full product range for any site, any application
- Plug-and-play with Netgear M4250 AVoIP switches, Kramer Control, KDS-USB2, etc.

Simple planning and rollout -

- Cost-effective from day one
- Full product range for any site, any application
- Plug-and-play with Netgear M4250 AVoIP switches, Kramer Control, KDS-USB2, etc.



kramer

TECHNICAL SPECIFICATIONS

| | |
|-----------------|---|
| Inputs | 1 HDMI: On female HDMI connectors 1 USB-C: On a female USB-C connector |
| Outputs | 1 HDMI: On a female HDMI connector |
| Ports | 2 Ethernet: On R-J45 connectors 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 1 USB Host: On a USB-B connector 2 USB Device: On USB-A connectors |
| USB Features | Integrated USB Hubs 2-layer USB hubs when connecting to KDS-DEC7 |
| Network | Multicast Through RTSP (Real Time Streaming Protocol): IGMP snooping non-blocking, Layer 2 Unicast Through RTSP (Real Time Streaming Protocol) Bit Rate Peak: 850Mbps, 4K average: 350Mbps, 1080p average: 250Mbps |
| Video | Compression Standard: JPEG based, private stream Max Resolution: 4K@30Hz 4:4:4 HDR 10: Up to 4K30 4:2:2 12 bit |
| 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: LINK, NET and ON LEDs, front panel LCD Display Controls: Restart and factory reset rear panel button, embedded web pages, P3K API commands via Ethernet, front panel navigation buttons |
| Power | PoE (Power over Ethernet) 37V to 57V, maximum power consumption 19W (when USB at full load) Optional power supply 24V DC, 5A, max power 68W with USB-C charging |
| Environmental Conditions | Operating Temperature: 0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing Storage Temperature: -20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing Humidity: 10% to 90%, non-condensing |
| 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 |

