



# 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

