



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 -

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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 UDP, IGMP snooping non-blocking, Layer 2 Unicast UDP Bit Rate Peak: 850Mbps, 4K average: 350Mbps, 1080p average: 250Mbps
Video	Compression: Visually Lossless, proprietary codec 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@30Hz 4:4:4 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@30Hz, 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

Typical Power Consumption 7.14W

AV + full USB load Power Consumption 12.42W

Full Load (including USB-C Charging) Power Consumption 75.75W

Optional power supply 24V DC, 5A

Environmental Conditions Operating Temperature: 0° to +40°C (32° to 104°F)

Storage Temperature: -40° to +70°C (-40° to 158°F)

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 18.00cm x 7.60cm (12.28" x 7.09" x 2.99") W, D, H

Shipping Weight 0.9kg (2.1lbs) approx

