



# KRAMER

## KDS-EN7

High-performance, highly-scalable, AVoIP Encoder for 4K60 4:2:0, HDR10 over 1G network

| HDMI | Ethernet - RJ-45 | 4K/60 UHD (4:2:0)  
| HDCP 2.2 Compatible



KDS-EN7 encoder is an advanced transmitter for streaming 4K@60Hz (4:2:0) video signals via Ethernet over copper cable. It encodes and streams over an IP network from HDMI input, and transmits the USB, IR, RS232, or CEC signal over IP network

## FEATURES

### Outstanding end-user experience -

Rich set of inputs and interfaces

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 -

Enterprise IT-grade security - 802.1x and HTTPS/TLS

Security certification - OWASP Top 10 certificate

Separate ETH ports for optimal security and experience

New HW architecture that enables robust FW update

### 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.

### PoE Support -

Using PoE switch - up to 13W consumption

### Alternative sources/destinations -

HDMI Loop-Through on Encoder and HDMI Input on Decoder

### Analog Audio -

Embedding and De-embedding

**Control gateway** - Through P3K control/communicate with IR, RS232, or CEC to the connected devices

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## TECHNICAL SPECIFICATIONS

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Inputs	1 HDMI:
Outputs	1 HDMI: On a female HDMI connector
Ports	2 Ethernets: 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
Video	Compression Standard: JPEG based, private stream Max Resolution: 4K60 4:2:0 or 4K30 4:4:4 HDR 10: Up to 4K30 4:2:2 12 bit
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 on LAN(PoE) port 24V DC Consumption: 6W
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
General	Product Dimensions: 18.9cm x 14.5cm x 2.76cm (7.4" x 5.7" x 1") W, D, H Shipping Dimensions: 31.2cm x 17.9cm x 7.6cm (12.2" x 7.04" x 2.9") W, D, H Product Weight: 0.67kg (1.4lbs) approx Shipping Weight: 0.93kg (2.05lbs) approx
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



