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

Through P3K control/communicate with IR, RS232, or CEC to the connected devices

TECHNICAL SPECIFICATIONS

Inputs	1 HDMI:
Outputs	1 HDMI: On a female HDMI connector
Ports	2 Ethernets: On RJ−45 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

KDS-USB-DEV

TBA-303P

Tower 4

KT-1010

Video Wall

KDS-USB-EN

KDS-7Encoder

KDS-7Encoder

AS-250C

KDS-7Manager

KDS-7decoder

KDS-7decoder

KDS-7decoder

KVM station

KDS-7decoder