



KRAMER

KDS-EN5

4K60 4:2:0, H.264 Video Encoder supporting
PoE and Video Wall

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



KDS-EN5 is a high performance 4K@60Hz (4:2:0), H.264 video encoder that supports PoE and video wall in unicast (one-to-one) or multicast (many-to-many) configurations

FEATURES

Max. Data Rate - HDMI 4K@60Hz (4:2:0) input

Flexible Audio Support - HDMI or analog line in

Standard AVC Support - H.264 & AAC codecs

Virtualization - RS-232 over IP

Network and IP Support - Standard Ethernet network operation 10/100/1000 Mb. Managed switch: 1G, multicast, IGMP snooping, layer 2. Configurable DHCP, Static or Auto IP

Streaming and Session Control - Unicast, multicast, and RTP over RTSP

Management and Control Options - Embedded web pages and API

Video Wall - Up to 256 screens (16x16)

Power - PoE or external power supply (not included)



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TECHNICAL SPECIFICATIONS

1 HDMI (1.4):	on a female HDMI connector
1 Unbalanced Stereo Audio:	on a 3-pin terminal block connector
1 Ethernet:	on an R-J45 connector
1 Unbalanced Audio:	on a 3-pin terminal block connector
1 RS-232:	on a 3-pin terminal block connector
Compression Standard:	H.264/MPEG-4 AVC
Profiles:	Base line, Main, High profile
Levels:	Up to 5.0
Rate Control:	CBR,VBR, adjustable GOP size
Bit Rates:	2Mbps-30Mbps
Encapsulation Format:	MPEG-2 transport stream
Transmission format:	TS over UDP, TS over RTP
Input Resolutions:	640x480, 800x600, 1024x768, 1280x800, 1280x1024, 1360x768, 1366x768, 1440x900, 1400x1050, 1600x1200, 1680x1050, 1920x1200, 720x480 (480p), 720x576 (576p), 1280x720 (720p30), 1280x720 (720p50), 1280x720 (720p60), 1920x1080 (1080p24), 1920x1080 (1080p25), 1920x1080 (1080p30), 1920x1080 (1080p50), 1920x1080 (1080p60) , 1920x1200, 3840x2160 (4Kp24), 3840x2160 (4Kp30)
Output Resolutions:	640x480, 720x480 (480p), 720x576 (576p), 800x600, 1024x768, 1280x720 (720p50), 1280x720 (720p60), 1280x800, 1280x1024, 1366x768, 1440x900, 1600x1200, 1680x1050, 1920x1080 (1080p24), 1920x1080 (1080p25), 1920x1080 (1080p30), 1920x1080 (1080p50), 1920x1080 (1080p60), 1920x1200, 3840x2160 (4Kp24), 3840x2160 (4Kp30)
Compression Standard:	MPEG4 AACLC
Channels:	2 channel (stereo), HDMI with stereo LPCM/AAC audio
Sample Frequency:	48kHz, Bitrate: 1.6Mbps(LPCM), ≤240Kbps(AAC)
Source:	PoE or 12V DC power supply (not included)
Consumption:	5.6W
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

