



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

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)

Audio Monitoring - Via an analog audio output

Power - PoE or external power supply (not included)



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TECHNICAL SPECIFICATIONS

Inputs	1 HDMI (1.4): on a female HDMI connector
Outputs	1 Unbalanced Stereo Audio: on a 3-pin terminal block connector
Ports	1 Ethernet: on an R-J45 connector 1 RS-232: on a 3-pin terminal block connector
Video	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)
Audio	Compression Standard: MPEG4 AACLC Channels: 2 channel (stereo), HDMI with stereo LPCM/AAC audio Sample Frequency: 48kHz, Bitrate: 1.6Mbps(LPCM), ≤240Kbps(AAC)
Power	Source: PoE or 12V DC power supply (not included) Consumption: 5.6W
Environmental Conditions	Operating Temperature: 0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing

