KRAMER

KDS-EN4
HD Video Encoder/Streamer

| HDMI | Ethernet - RJ-45

KDS–EN4 is an H.264 encoder for HDMI signals of up to 1920x1080p@60Hz. It provides high–quality and fully–featured end–to–end video and audio over IP. KDS–EN4 includes AVC support for H.264/MPEG–4 and AAC codec, open encoding that enables decoding through VLC® player software and unicast or multicast streaming through RTSP

FEATURES

High Resolution Video Encoding and Compression - supporting the following resolutions: 1080p@60Hz (on the decoder only), 1080p@30Hz, 720p@60Hz, and 720p@30Hz

Maximum Compatibility - Fully standard and compliant H.264/MPEG–4 AVC (Advanced Video Codec) and AAC (Advanced Audio Code) codecs, enable compatibility with other software and hardware encoders. Open encoding enables software decoding through VLC® player software

Flexible Audio Support - Embedded HDMI and unbalanced analog stereo line in for both the encoder input and decoder output

Standard Ethernet Network Operation - 10/100/1000Mb

Selectable Streaming Mode - Unicast or multicast through RTSP (Real Time Streaming Protocol)

Customizable Recording - Store streaming sessions on a computer or external USB storage appliance

Powerful, Versatile and User-friendly Device Management - Manage device operation and settings, using Kramer Network Enterprise Management Platform

Flexible Operation - Operate the unit by RS–232 remote control or through the embedded web pages. Control an external device via the RS–232 DATA port

Easy Installation - Compact DigiTOOLS® fan–less enclosure for dropped–ceiling mounting, or side–by–side mounting of 3 units in a 1U rack space with the optional rack adapter

TECHNICAL SPECIFICATIONS

Inputs	1 HDMI On a female HDMI connector
	1 Unbalanced Stereo Audio On a 3.5mm mini jack
Ports	1 Ethernet On an RJ−45 connector
	2 USB On female USB type−A connectors
	2 RS-232 On a five pin terminal block connector
Video	Supported Resolutions: 720p@30Hz, 720p@60Hz, 1080p@30Hz, 1080p@60Hz
	Compression Standard H.264/MPEG−4 Part 10 (AVC)
	Levels Up to 4.2
	Bitrate 100kbps to 15mbps
	Rate Control CBR
Audio	Compression Standard MPEG−4 AAC−LC
	Channels 2 channel (stereo), HDMI with digital L−PCM audio
	Sample Frequency 44.1, and 48kHz
	Bit Rates 128kbps
Maximum Unicast Connections	8
Power	Source 5V DC
	Consumption 800mA
Enclosure	Size DigiTOOLS®, 1U
	Type Aluminum
	Cooling Convection ventilation
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%, RHL non−condensing
Accessories	Included Power supply, bracket set
PRODUCT DIMENSION:	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96") W, D, H
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PRODUCT WEIGHT:	0.5kg (1.1lbs) approx
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SHIPPING DIMENSION:	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43") W, D, H
	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43") W, D, H
SHIPPING WEIGHT:	1.0kg (2.3lbs) approx
	1.0kg (2.3lbs) approx