The Kramer KDS-EN3 is an H.264 encoder for HDMI signals up to 1080p60. The KDS-EN3 provides unicast (one-to-one) or multicast (one-to-many) streaming to the KDS-DEC3 decoder or computers running VLC© software. KDS-EN3 can also record content to a network drive for later access.

FEATURES

AVC Support - MPEG-4 using H.264 & AAC codecs
Built-in Scaling and Frame Rate Control - For lower bandwidth consumption when distributing over the network
Open Encoding - Enable software decoding through VLC® player software
Standard Ethernet Network Operation - 10/100/1000Mb
Video Support - HDMI
Audio Support - HDMI or analog
Streaming Support - Unicast and multicast through RTSP (Real Time Streaming Protocol)
KDS-EN3 Manager Software - Allows remote management of the KDS-EN3 network including auto-detection and discovery of KDS-EN3/KDS-DEC3 units on a subnet
Manual & Scheduled Recording - To network storage option on encoders
RS-232 Virtualization - From encoder to decoder
TECHNICAL SPECIFICATIONS

INPUTS: 1 HDMI, 1 unbalanced stereo audio on a 3.5mm mini jack (line in)

OUTPUTS: 1 HDMI, 1 VGA on a 15-pin HD connector, 1 unbalanced stereo audio on a 3.5mm mini jack

PORTS: 1 Ethernet on an RJ−45 connector, 1 RS−232 on a 9-pin D−sub connector

VIDEO SINGLE CHANNEL HD: Up to 1920x1080p60 and 1920x1200(60Hz)

COMPRESSION STANDARD: H.264/Mpeg4 Part 10 (AVC)

PROFILES: Baseline, Main, High

LEVELS: Up to 4.2

BIT RATES: 100Kbps to 25Mbps
96, 128, 192, and 256Kbps

RATE CONTROL: CBR, VBR, adjustable GOP (Group Of Pictures) size

AUDIO COMPRESSION STANDARD: MPEG4 AAC−LC

CHANNELS: 2 channel (stereo), HDMI with digital L−PCM audio

ANALOG SAMPLE FREQUENCY: 32, 44.1, and 48kHz

INPUT RESOLUTIONS: 1920x1200, 1920x1080, 1680x1050, 1600x1200, 1600x900, 1440x900, 1400x1050, 1360x768, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 720x576, 720x480, and 640x480

OUTPUT RESOLUTIONS: 1920x1200, 1920x1080, 1680x1050, 1600x1200, 1600x900, 1440x900, 1400x1050, 1360x768, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 720x576, 720x480, and 640x480

MAXIMUM UNICAST CONNECTIONS: 8

POWER CONSUMPTION: 5V DC, 3A max

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

INCLUDED ACCESSORIES: Power supply, power cord, plastic bracket set

Product Dimensions: 21.50cm x 10.00cm x 2.60cm (8.46" x 3.94" x 1.02") W, D, H

Product Weight: 0.4kg (0.8lbs) approx

Shipping Dimensions: 35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H

Shipping Weight: 1.2kg (2.6lbs) approx