



KDS-EN3

H.264 Encoder, Recorder & Streamer



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.
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.
BIT RATES:	96, 128, 192, and 256Kbps.
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.
DIMENSIONS:	21.6cm x 2.6cm x 10.7cm (8.5" x 1.0" x 4.0").
WEIGHT:	0.36kg (0.26kg).
INCLUDED ACCESSORIES:	Power supply, power cord, plastic bracket set.

