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.

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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:	1920 × 1200, 1920 × 1080, 1680 × 1050, 1600 × 1200, 1600 × 900, 1440 × 900, 1400 × 1050, 1360 × 768, 1280 × 1024, 1280 × 960, 1280 × 720, 1024 × 768, 800 × 600, 720 × 576, 720 × 480, and 640 × 480.
OUTPUT RESOLUTIONS:	1600 × 900, 1440 × 900, 1400 × 1050, 1366 × 768, 1360 × 768, 1280 × 1024.
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 × 2.6cm × 10.7cm (8.5" × 1.0" × 4.0").
WEIGHT:	0.36kg (0.26kg).
INCLUDED ACCESSORIES:	Power supply, power cord, plastic bracket set.