Kramer Video-over-IP Solutions

Easily share live HD content anywhere

Kramer Video-over-IP solutions let you easily stream live HD video and audio content over virtually unlimited distances to a large number of displays with existing network infrastructure. Kramer offers streaming solutions for education and e-learning, corporate TV, monitoring and security, remote conferences, and digital signage.

Kramer Video-over-IP solutions use standard compression codecs making them ideal for use with other industry-leading products, such as PCs running decoding software, mobile phones and tablets, network recording devices, and streaming media servers.

Highlights:

- Share live video anywhere
- Virtually unlimited number of screens
- Uses existing infrastructure
- Encoded streams can be recorded, archived and played back at any time

KDS-EN3/KDS-DEC3

H.264 encoder, recorder and streamer/H.264 decoder

Kramer KDS-EN3 and KDS-DEC3 are an H.264 encoder and decoder pair 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 is also capable of recording the content to a network drive for later access.

This encoder-decoder pair is designed for AV distribution systems with one or more sources and multiple displays, such as schools, universities, corporate and government offices, and public venues.

Highlights:

- 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
- Streaming support: Unicast and multicast through RTSP (Real Time Streaming Protocol)
- Manual and scheduled recording: To network storage option on encoders
- KDS-EN3 manager software: Allows for multiple instances and remote management of the KDS–EN3 network; auto-detection and discovery of KDS-EN3/KDS-DEC3 units on a subnet
- RS-232 Virtualization: From encoder to decoder
- Fail-safe Video playback: When a decoder loses its connection to an encoder
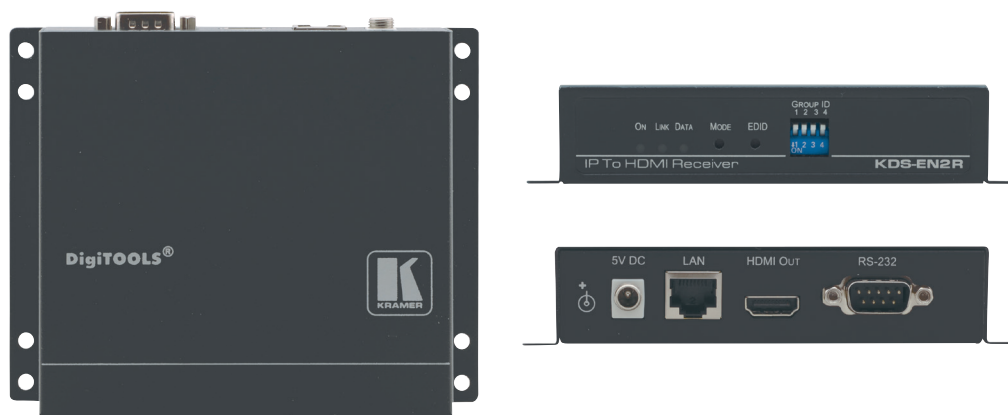

KDS-EN3

KDS-DEC3

KDS-EN2T/R

HDMI over IP Transmitter & Receiver

The KDS-EN2T and KDS-EN2R is an IP-based transmitter and receiver pair for HDMI signals. Using JPEG2000 compression technology, the KDS-EN2T sends a visually lossless HD image with digital stereo over a 1000BaseT LAN to a KDS-EN2R receiver for multicasting, video wall and digital signage applications.

- High flexibility: Flexible and scalable HDMI 1080p for video broadcasting with Gigabit Ethernet LAN
- High scalability: Up to 9 transmitters and more than 81 receivers possible in a video wall system, as well as over 200 receivers from each transmitter in multicasting mode
- Multicasting and broadcasting architecture: Each channel requires about 55Mbps
- Cost efficient infrastructure: Transmits an HDMI signal over one CAT5e/6/7 cable
- RS-232 Pass-thru: Controls the HDMI display from the transmitter side
- Compact DigiTOOLS®: With a built–in mounting plate for versatile installation

KDS-EN2T

KDS-EN2R

E-LEARNING SOLUTION

MAIN CLASSROOM

K-Touch

Camera (Teacher)

Camera (Students)

VP-773AMP

KDS-EN3

PC

DVD

STUDY ROOM

Laptop 1

Laptop 2

Laptop 3

Laptop 4

HOME

Tablet

COFFEE SHOP

Laptop

LAN

Media Server

INTERNET

LECTURE HALL

KDS-DEC3

Display

Network (Multicast)	———
Network (Unicast)	·········
HDMI cable	———