The KDS-DEC6 decoder provides streaming over an IP network that carries 4K@60Hz (4:2:0) video, audio, IR, RS-232, USB over IP with HDCP 2.2 in unicast (one-to-one) or multicast (many-to-many) configurations.

**FEATURES**

- **Video Support** - HDMI 4K@60Hz (4:2:0)
- **Audio Support** - HDMI/line in, 7.1 PCM, Dolby True-HD, and DTS-HD Master audio
- **Virtualization** - IR, USB, RS-232 over IP
- **Network** - Switch 1G multicast IGMP snooping managed layer 2
- **Power** - PoE or external power supply (not included)
- **HDCP** - 1.4 and 2.2 compliance
- **Video Effects** - Video Wall – 1 to 256 screens
## TECHNICAL SPECIFICATIONS

### Inputs:
1 Ethernet (LAN/PoE) on an RJ-45 connector, 1 IR on 3.5mm mini jacks (Rx)

### Outputs:
1 HDMI connector, 2 left and right unbalanced stereo audio on RCA connectors, 1 RS-232 on terminal block connectors, 2 USB (type A) ports, 1 IR on 3.5mm mini jacks (Tx), 1 Ethernet on an RJ-45 connector (daisy-chain LAN)

### Network:
10M/100M/1000M

### Network Switch:
1G multicast, IMGP snooping non-blocking, Layer 2

### Streaming:
Unicast and multicast through RTSP (Real Time Streaming Protocol)

### Controls:
Reset button, up and down channel buttons, channel 7-segment display, STATUS, LINK and ON LEDs

### IR:
Wide-band 20kHz~60kHz bidirectional IR transmission

### Video Encoding/Decoding:
Compression standard JPEG 2000

### HDCP:
1.4 and 2.2

### Scaling and Cropping:
Built in scaling and cropping for flexible display of source content on the decoder output

### Bit Rates:
4K peak: 850Mbps, 4K average: 350Mbps, 1080p average: 250Mbps

### Resolution:
4096x2160@60Hz, 3840x2160@60Hz, 1920x1200@60Hz, 1920x1080@60Hz, 1864x1050@60Hz, 1856x1392@60Hz, 1792x1344@60Hz, 1728x1080@60Hz, 1704x960@60Hz, 1680x1050@60Hz, 1600x1200@60Hz, 1600x1080@60Hz, 1600x900@60Hz, 1536x960@60Hz, 1440x900@60Hz, 1440x720@60Hz, 1440x640@60Hz, 1440x576@60Hz, 1280x1024@60Hz, 1280x768@60Hz, 1200x1024@60Hz, 1080x1024@60Hz, 1080x720@60Hz, 1064x600@60Hz, 1024x768@60Hz, 960x600@60Hz, 960x576@60Hz, 848x480@60Hz, 800x600@60Hz, 768x576@60Hz, 720x576@60Hz, 720x480@60Hz, and 640x480@60Hz, 640x350@60Hz

### Audio Encoding/Decoding:
Compression standard (analog in/out): AAC-LC

### Channels (HDMI embedded Audio):
PCM 2, 5.1, 7.1 Channel, Dolby Digital 5.1 Channel, Dolby Digital Plus, Dolby Digital True-HD, DTS 5.1 Channel, DTS-ES, DTS-HD High Resolution, DTS-HD Master Audio

### Power
Source PoE or 48V DC external power supply (not included)

### Typical Consumption 180mA max

### 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

### Product Dimensions
18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H

### Product Weight
0.6kg (1.2lbs) approx

### Shipping Dimensions
34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H

### Shipping Weight
0.8kg (1.7lbs) approx