



# KRAMER

## KDS-DEC6

4K60 4:2:0 HDCP 2.2 Video Decoder

| HDMI | Ethernet - RJ-45 | 4K/60 UHD (4:2:0)



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

**Control** - Kramer Network, Web UI, API

**HDCP** - 2.2 compliance

**Video Effects** - PIP, video wall



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## TECHNICAL SPECIFICATIONS

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|                                 |  |
|---------------------------------|--|
| 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  |
| Management:                     | API, Kramer Control, Kramer AV services (powered by Kramer Network)  |
| Video Encoding/Decoding:        | Compression standard MJPEG   |
| HDCP:                           | HDCP 2.2   |
| PRODUCT DIMENSION:              | 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 DIMENSION:             | 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  |
| 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, 1600x1050@60Hz, 1600x900@60Hz, 1536x960@60Hz, 1440x900@60Hz, 1440x576@60Hz, 1440x480@60Hz, 1400x1050@60Hz, 1366x768@60Hz, 1360x768@60Hz, 1280x1024@60Hz, 1280x960@60Hz, 1280x800@60Hz, 1280x768@60Hz, 1280x720@60Hz, 1224x768@60Hz, 1152x864@60Hz, 1152x720@60Hz, 1024x768@60Hz, 1064x600@60Hz, 1024x384@60Hz, 960x600@60Hz, 848x480@60Hz, 800x600@60Hz, 768x480@60Hz, 720x576@60Hz, 720x480@60Hz, and 640x480@60Hz, 640x400@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 Options:                  | PoE, external PS   |
| Power Consumption:              | 48V DC, 185mA 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   |
| Options:                        | IR cable (PN: 3500-900617), external DC power supply (PN: 100-800070)  |

