



KDS-DEC6

4K60 4:2:0 HDCP 2.2 Video Decoder



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 unmanaged layer 2.
- Power - PoE or external power supply.
- Control - Kramer Network, Web UI, API.
- HDCP - 2.2 compliance.
- Video Effects - PIP, video wall.

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, IGMP 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.
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, 370mA 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.
PRODUCT DIMENSIONS:	19.00cm x 10.30cm x 2.30cm (7.48" x 4.06" x 0.91") 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.
OPTIONS:	IR cable (PN: 3500-900617), external DC power supply (PN: 100-800070).