KDS-10

4K60 4:4:4 Dual Stream Transceiver

KDS−10 is an advanced, dual stream transceiver for streaming 4K@60Hz (4:4:4) video signals via Ethernet over copper cable. KDS−10 can be set as either an encoder or decoder. As an encoder, it encodes and streams one or two HDMI inputs over an IP network. As a decoder, it receives the encoded signal, decodes it and outputs it to an HDMI output

FEATURES

Advanced Video Streaming Transceiver - Streams up to 4K@60Hz (4:4:4) resolution signals over a 1G network interface, when streaming one source and 4K@30Hz (4:2:0) when streaming two sources

Multi-Standard Video Coding - Configure the transceivers according to your needs to stream using either H.264 or H.265

Flexible Input and Output Options - Includes two HDMI inputs that can be streamed alternately or simultaneously

Streaming Support - Unicast and multicast over RTP (Real−Time Protocol)

Flexible Analog Audio Embedding and De-embedding - When in encoding mode, you can select the balanced analog audio input to embed into the streaming HDMI output signal. When in decoding mode, you can extract the HDMI audio signal and output it as balanced analog audio

Convenient and Comprehensive Control - Control the unit using intuitive embedded web pages or Protocol 3000 API commands via Ethernet

Simple System Management - Remote system management support to enable quick and efficient remote system and device life−cycle management

TECHNICAL SPECIFICATIONS

Inputs	2 HDMI: On female HDMI connectors
Outputs	1 HDMI: On a female HDMI connector
Ports	1 Ethernet: On an R–J45 connector
	1 Balanced Audio: On a 5–pin terminal block connector
	Serial USB: On a mini USB connector
Video	Compression Standard: H.264 or H.265
	Max Resolution – One Stream: 4K@60Hz (4:4:4)
	Max Resolution – Two Simultaneous Streams: 4K@60Hz (4:2:0)
User Interface	Indicators: Link and power LEDs
	Controls: Restart and factory reset front panel buttons, API, embedded web pages, and RTSP via Ethernet, API commands via serial USB
Power	Source: 12V DC
	Consumption: 20.4W
Environmental Conditions	Operating Temperature: 0 to + 45°C (32 to + 113 °F), 10% to 90%, non–condensing
	Storage Temperature: –20 to +70°C (–4 to + 158 °F), 10% to 90%, non–condensing
	Humidity: 10% to 90%, non–condensing
Product Dimensions	14.30cm x 12.20cm x 4.36cm (5.63" x 4.80" x 1.72") W, D, H
Product Weight	0.5kg (1.1lbs) approx
Shipping Dimensions	31.90cm x 16.50cm x 6.70cm (12.56" x 6.50" x 2.64") W, D, H
Shipping Weight	1.0kg (2.3lbs) approx