KRAMER

KDS-8F
Zero Latency 4K HDR SDVoE Video
Streaming Transceiver over Fiber Optic

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

KDS–8F is a high–performance, zero latency, 4K@60Hz (4:4:4) video streaming transceiver for streaming via Ethernet over single–mode and multi–mode optical fiber. KDS–8F can be set as either an encoder or decoder. As an encoder, it encodes and streams the HDMI or DisplayPort input along with IR, RS–232, analog audio and USB, over an IP network. As a decoder, it receives the encoded signal and decodes it for output

FEATURES

High-Performance Video Streaming Transceiver - Streams up to 4K@60Hz (4:4:4) resolution signals over a 10G network interface, providing lossless compression

Maximum Compatibility - Fully standard and compliant SDVoE™ codec, enables compatibility with other software and hardware streaming platforms

HDCP 2.2 Compliant, HDR Support, Genlock and Fastswitch Modes Support

High-Speed 10G Network Switch - Managed switch provides multicast, jumbo frames, IGMP snooping and fast leave

Analog Audio Embedding - Provides an unbalanced analog audio port for embedding audio into the streaming signal

Bi-directional USB over IP

Bi–directional IR and RS–232 over IP - Control an IR or serial device located on the decoder side from the encoder and vice versa

Video Wall Support

Multiview Support

Easy, Cost–Effective Maintenance - LED indicators for main power, Tx/Rx mode setting, HDMI/ DisplayPort video source detection, USB connection and Tx and Rx transmission enable easy local maintenance and troubleshooting

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

TECHNICAL SPECIFICATIONS

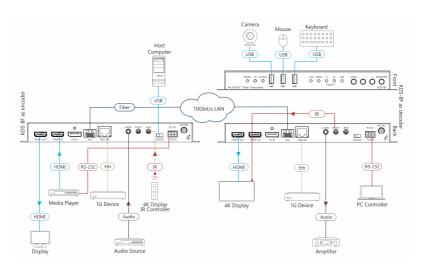|	
	1 HDMI: On a female HDMI connector
	1 DisplayPort: On a female DisplayPort connector
	1 IR: On a 3.5mm mini jack
	1 HDMI: On a female HDMI connector
	1 IR: On a 3.5mm mini jack
	1 10GbE Ethernet: On an R–J45 connector
	1 Unbalanced Stereo Audio: On a 3.5mm mini jack
	1 1GbE Ethernet: On an R–J45 connector
	1 RS-232: On a 3–pin terminal block connector
	3 USB: On female USB type−A connectors
	1 USB: On a USB mini connector
	Source: 12V DC
	Consumption: 1A
	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
Video	Standards Compliance: 10/12–bit HDR (Point–to–Point and Genlock mode only), HDCP 2.2 &1.4, DVI 1.0,
	EXTENSION LINE:
	Signal Compression: Ultra–light compression, lossless for most content
	Range: Up to 100m in point–to–point mode
Audio	Standards Compliance: Supports pass–through of audio formats including LPCM 2.0/5.1/7.1, Bitstream and HD Bitstream from HDMI sources