



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



KRAMER

TECHNICAL SPECIFICATIONS

Inputs	1 HDMI: On a female HDMI connector 1 DisplayPort: On a female DisplayPort connector 1 IR: On a 3.5mm mini jack
Outputs	1 HDMI: On a female HDMI connector 1 IR: On a 3.5mm mini jack
Ports	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
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
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Power	Source: 12V DC Consumption: 1A
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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
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