Matrox MVX-ED5150F Maevex H.264 Encoder/Decoder Kit

Maevex 5150 Encoder
Video Input: • HDMI with digital L-PCM audio   • DVI via DVI-to-HDMI adapter   • Resolutions up to 1920x1080p60, 1920x1200(60Hz) and many more wide-screen and standard-definition resolutions
Video Output: • HDMI with digital L-PCM audio, local pass-through w/o scaling or confidence preview w/ optional scaling   • DVI via HDMI to DVI-D adapter, local pass-through w/o scaling or confidence preview w/ optional scaling   • HD15, Analog VGA - confidence preview w/ optional scaling   • Resolutions up to 1920x1080p60, 1920x1200(60Hz)   • Procamp control: contrast, brightness, saturation, hue   • Scaled output (i.e., 1080p60 input/720p60 scaled output)
Audio Line-In: 3.5mm analog stereo audio
Audio Line-Out (Local Pass-Through): 3.5mm analog stereo audio
Network Connector: RJ45
Maevex 5150 Decoder
Network Connectors: 2 x RJ45 (fully switched)
Video Output :   • HDMI with digital L-PCM audio   • Resolutions up to 1920x1080p60, 1920x1200(60Hz) and many more wide-screen and standard-definition resolutions   • ProcAmp control: contrast, brightness, saturation, hue   • Destination cropping support   • Independent failsafe output
Audio Line-Out: 3.5mm analog stereo audio
Video Encoding / Decoding
Single-Channel HD: Up to 1920x1080p60 and 1920x1200(56Hz) and many more wide-screen and standard-definition resolutions
Compression Standard: H.264/Mpeg4 Part 10 (AVC)
Profiles: Main
Levels: Up to 5
Bit Rates: 100Kbps to 25Mbps
Rate Control: CBR, VBR, Favor Speed, Favor Quality, Adjustable GOP (Group Of Pictures) Size
Encoder Recording Mode
Record any supported resolution to NAS or shared network drive
File format: .mp4
User definable filename prefix
Auto timestamp in filename
Programmable: • Recording start date / time and duration   • Maximum file length   • File frequency
Full frame rate or user selectable from list
Audio Encoding/Decoding
Compression Standard: MPEG4 AAC-LC
Channels: 2 channel (stereo), HDMI with digital L-PCM audio
Analog Sample Frequency: 32, 44.1, and 48kHz
Bit Rates: 96, 128, 192, and 256Kbps
Networking Interface
100/1000base-T Ethernet: 1000Mbps full duplex, 100Mbps half/full duplex
Streaming Protocols: RTSP/RTP/RTCP (all required) over UDP
Command & Control Protocols: HTTP/HTTPS

IPV4 Support
Unicast, Multicast and Multi Unicast
DHCP (Default) / Fixed IP Address Support
CAT5-or-Better Network Cables
Management Software
Central Command and Control Application • Resides on any PC network node • Maevex network configuration & control • Encoding and decoding control and manipulation • Frame rate and resolution control • Password protection • Failsafe over the network FW updates • Recording (up to 1080p60) • Full Duplex RS-232 (pt. to pt.) • Failsafe on the decoder • Full-feature API available
OS Support*: • Windows® 10 (32-bit, 64-bit) • Windows 8 (32-bit, 64-bit) • Windows Server® 2012 & 2012R2 (64-bit) • Windows 7 (32-bit, 64-bit) • Windows Server 2008 R2 (64-bit) *Microsoft .NET 4.5 is required for all
Power Supply
100-240V AC In, 5VDC Out, 15W
DIN4 Locking Power Connector
Power Cords Included: US, EU, UK
Regulatory
CE/FCC/VCCI/ICES/C-Tick/KCC Class B
ROHS/WEEE
Environmental
Operating Temperature: 0 to 45 degrees Celsius
Non-Operating Temperature: -40 to 55 degrees Celsius
Operating Humidity: 20 to 80% (non-condensing)
Non-Operating Humidity: 5 to 95% (non-condensing)
MTBF
Encoder: 135.05 years @ 40 degrees Celsius (excl. power supply)
Decoder: 164.81 years @ 40 degrees Celsius (excl. power supply)
External Power Supply: 11.45 years @ 25 degrees Celsius, full load
Fanless (no moving parts)
Mechanical
Dimensions Encoder: 21.59cm x 2.59cm x 10.16cm (8.50" x 1.02" x 4.00")
Dimensions Decoder: 12.83cm x 2.59cm x 10.9cm (5.05" x 1.02" x 4.29")
Weight Encoder: 378g (excl. external power supply and power cords)
Weight Decoder: 286g (excl. external power supply and power cords)
Rackmountable with optional rackmount tray and accessories
Encoder: dual density - 1u
Decoder: triple density - 1u (horizontal mount); or 10- unit density in 3u (vertical mount)
Packaging Content
Maevex Encoder unit: • CAT5E Ethernet cable, RJ45 male to male, 6'/182.88cm • DVI adapter - DVI-D male to HDMI female • 3.5mm analog stereo audio cable, male to male, 6'/182.88cm • Power supply and power cords (see "Power supply") • Quick setup guide and release notes (if applicable)

Maevex Decoder unit: • Power supply and power cords (see "Power supply") • Quick setup guide and release notes (if applicable)
Ordering Information
Maevex Encoder P/N: MVX-E5150F
Maevex Decoder P/N: MVX-D5150F
Maevex Encoder/Decoder Bundle P/N: MVX-ED5150F
Maevex Rackmount Kit P/N: RMK-19TRF (see user guide for details)
Angled Bracket Kit P/N: RMK-6BRKTF (see user guide for details)
Warranty Information
Two-Year Warranty