



CineLink 4K-EL-4 & CineLink 4K-EL-2 Encoders  
Multi-Channel IP Encoders with HDMI Loop-Out

*"We are receiving data on a moment-to-moment basis from all of our programs, and the video wall gives us a snapshot of events happening globally."*

ED SHUBERT  
MCKESSON | SENIOR DIRECTOR OF CORPORATE SECURITY AND SAFETY



## CineLink 4K-E-Loop | Multi-Channel 4K Encoders with HDMI Loop-Out

### HIGH-PERFORMANCE 4K & HD ENCODING AND STREAMING

The Haivision MCS CineLink 4K-E-Loop IP encoders stream low-latency 4K video and feature zero-latency HDMI loop-outs. They are ideal for enterprise organizations that need to share large volumes of content, or any team that would like to augment their video wall system with IP video sources.

When paired with CineLink 4K-D decoders and an Alpha FX or Stryke video processor, CineLink 4K-E-Loop encoders create a scalable AV/IP system on your existing network.

CineLink 4K-E-Loop encoders are easily managed by using Command 360 or CineNet software - the same user-friendly software platform you can use to control your entire visual collaboration system.



#### STREAM UP TO FOUR CHANNELS PER UNIT

CineLink 4K-EL-4 encoders can stream up to four 4K input sources per unit, reducing the amount of hardware needed to support your AV/IP network. For applications requiring fewer inputs, CineLink 4K-EL-2 encoders can stream up to two 4K input sources per unit.

#### ZERO-LATENCY HDMI LOOP-OUTS

In addition to encoding and streaming 4K video, CineLink 4K-EL-4 encoders provide four HDMI loop-outs and CineLink 4K-EL-2 encoders provide up to two HDMI loop-outs. The loop-outs can be used to send unaltered, zero-latency video from workstations to desktop monitors with no additional hardware.

#### EASY PLUG-AND-PLAY SET-UP

CineLink 4K-E-Loop encoders are automatically detected by the software platform and can be displayed on your video wall.

#### ROUTE ANY ENCODER TO ANY DECODER

It's easy to route any CineLink 4K-E-Loop encoder to any CineLink 4K-D decoder, so content from any input source on your network can be sent to any video wall processor or display.

#### HIGH-QUALITY H.264 STREAMING

CineLink 4K-E-Loop encoders leverage low-latency H.264 video compression. This efficient compression format delivers high-quality video while using less bandwidth than competing formats.

#### NO DECODERS NEEDED WITH AN ALPHA FX PROCESSOR

Since our video processors natively decode IP streams, you can simply connect CineLink 4K-E-Loop encoders to your content sources and stream them directly to your processor - no external decoders needed.

	CINELINK 4K-EL-4	CINELINK 4K-EL-2
<b>VIDEO ENCODING</b>		
MAXIMUM SIMULTANEOUS ENCODES	Up to 2 x (4096x2160) @60Hz 4:2:0	Up to 2 x (4096x2160) @60Hz 4:2:0
	Up to 2 x (3840x2160) @60Hz 4:2:0	Up to 2 x (3840x2160) @60Hz 4:2:0
	Up to 3 x (1920x1200) @60Hz 4:4:4	Up to 2 x (1920x1200) @60Hz 4:4:4
	Up to 3 x (1920x1080) @60Hz 4:4:4	Up to 2 x (1920x1080) @60Hz 4:4:4
	Up to 4 x (4096x2160) @30Hz 4.4.4	Up to 2 x (4096x2160) @30Hz 4.4.4
	Up to 4 x (3840x2160) @30Hz 4.4.4	Up to 2 x (3840x2160) @30Hz 4.4.4
	Up to 4 x (1920x1080) @60Hz 4.4.4	Up to 2 x (1920x1080) @60Hz 4.4.4
COMPRESSION STANDARD	H.264	
BIT RATE RANGE	50 Kbps to 120 Mbps; 15 Mbps (default)	
RATE CONTROL	Constant Bit Rate (CBR), Variable Bit Rate (VBR), Favor Quality, Adjustable GOP Size	
<b>AUDIO ENCODING</b>		
COMPRESSION STANDARD	MPEG-4 AAC-LC/HEV1/HEV2	
AUDIO SAMPLE FREQUENCY	32 kHz; 44.1 kHz; 48 kHz	
AUDIO BIT RATES	Up to 576 Kbps (AAC-LC); Up to 288 Kbps (AAC-HEV1); Up to 144 Kbps (AAC-HEV2)	
<b>VIDEO INPUTS</b>		
MAXIMUM INPUT RESOLUTION	Up to 2 x (4096x2160) @60Hz	Up to 2 x (4096x2160) @60Hz
	Up to 2 x (3840x2160) @60Hz	Up to 2 x (3840x2160) @60Hz
	Up to 4 x (4096x2160) @30Hz	Up to 2 x (4096x2160) @30Hz
	Up to 4 x (3840x2160) @30Hz	Up to 2 x (3840x2160) @30Hz
INPUT FORMAT	4 x HDMI 2.0 with audio support	2 x HDMI 2.0 with audio support
<b>AUDIO INPUTS</b>		
INPUT FORMAT	4 x HDMI 2.0 digital LPCM two-channel stereo audio	2 x HDMI 2.0 digital LPCM two-channel stereo audio
	4 x 3.5 mm analog stereo audio	2 x 3.5 mm analog stereo audio
	1 x 3.5 mm stereo mic in	1 x 3.5 mm stereo mic in
<b>OUTPUTS / LOOP-OUT</b>		
OUTPUT / LOOP-OUT	4 x HDMI 2.0 with audio support	2 x HDMI 2.0 with audio support
<b>NETWORKING CONNECTIVITY</b>		
NETWORK CONNECTOR	2 x RJ45	
NETWORK STANDARD	100/1,000 base-T Ethernet; auto speed; half / full duplex; unicast, multi-unicast, multicast	
IP ADDRESSING	IPv4 and IPv6 support; DHCP and static IP addressing	
<b>COLOR SPACE</b>		
COLOR SPACE CAPTURE	RGB and YUV 8-bit and 10-bit support	
CHROMA SUB-SAMPLING	4:4:4 (8-bit); 4:2:2 (8-bit); 4:2:0 (8-bit and 10-bit); 4:0:0 (8-bit and 10-bit)	
<b>PHYSICAL</b>		
DIMENSIONS (W X H X D)	8.66 x 1.62 x 8.23 inches	8.67 x 1.58 x 8.27 inches
POWER SUPPLY	100V-264V AC In, 60W	
REDUNDANT POWER SUPPLY UNIT OPTIONS	Single density unit can power up to four devices simultaneously. Dual density unit can power up to eight devices simultaneously.	



## READY TO GET STARTED?

Speak to one of our experts.

[CONSULT WITH AN EXPERT](#)

HAIVISION IS TRUSTED BY ORGANIZATIONS WORLDWIDE



SCHEDULE A LIVE DEMO

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GSA Schedule GS-35F-0537U