Alpha FX Edge

Haivision
Mission-Critical Systems

Alpha FX Edge

IP-Enabled Video Processor

The Haivision MCS Alpha FX Edge, integrated with the Command 360 visual collaboration platform, is an IP-enabled, graphics-accelerated 4K video processor in a compact, 1RU package. One of our smallest rack-mounted processors, the Alpha FX Edge is a powerful and cost-effective solution for smaller control rooms, briefing rooms, and more. Supporting native encoding and decoding as well as physical inputs and outputs, the Alpha FX Edge enables users to display and share video wall content across their network in real-time.

The combined power of the Alpha FX Edge and Command 360 delivers unmatched situational awareness and real-time decision-making capabilities for mission-critical environments around the world. The Alpha FX Edge also integrates with our industry-leading CineNet video wall management platform.

HIGH-DENSITY HD & 4K

A Edge can power up to 16 HD displays (or 4 4K displays) and can capture content from up to 4 HD (or 4 4K) HDMI sources. It also supports IP video streaming, enabling it to capture and/or stream up to 16 HD (or 4 4K) IP video sources simultaneously.

DISPLAY VIRTUALLY ANY CONTENT

With the Edge you can capture content from virtually any signal format – digital or analog, physical or IP – and from nearly any device, including workstations, laptops, tablets, cameras, media players, and more.

BUILT-IN DEVICE CONTROL & AUTOMATION

Control external devices, like audio systems, VTC, and media players, from the same interface you use to control your video wall.

DECODE AND DISPLAY STREAMED VIDEO

Capture and display streamed content from any IP video source on your network. IP streams can simply be dragged and dropped onto your video wall.

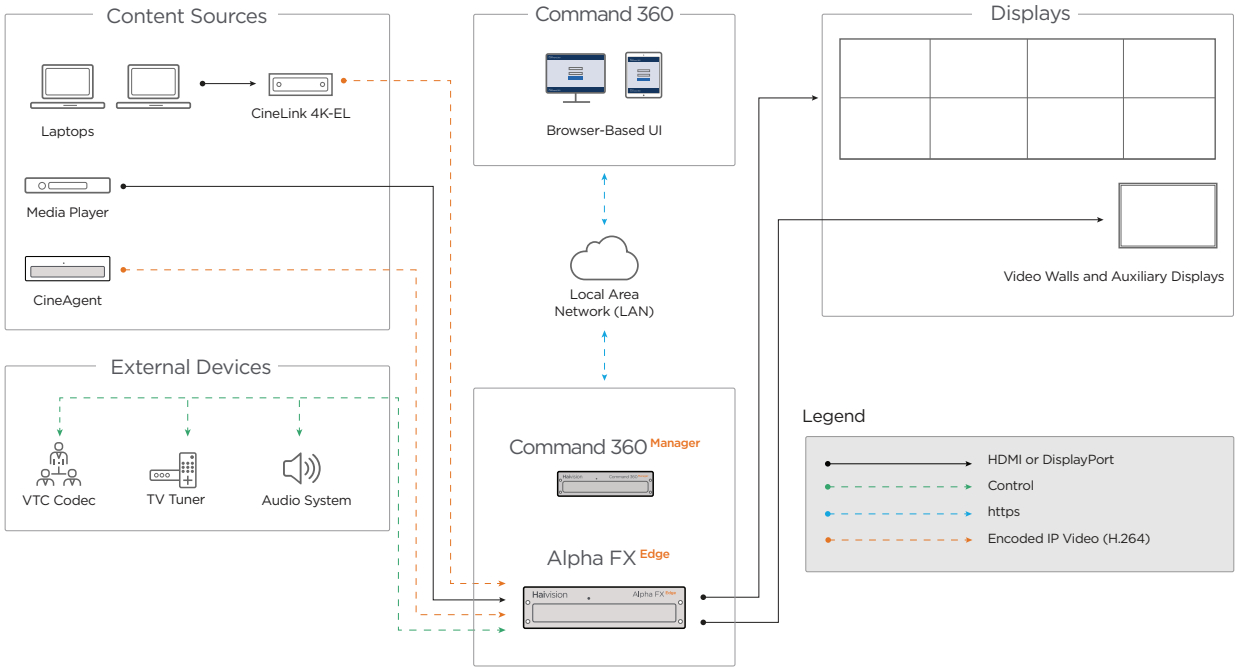
STREAM VIDEO WALL CONTENT ACROSS YOUR NETWORK

Instantly encode and stream a content source, or even your whole video wall, to specific users and display systems across your secure network.

MULTI-VIDEO WALL CONTROL

Drive multiple video walls, even systems with different display types or aspect ratios. Multiple video walls can be controlled as a single system or managed separately.

SIGNAL FLOW DIAGRAM



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SYSTEM CONFIGURATION	
CPU	Intel i9-10900E
OPERATING SYSTEM	Windows 10 IoT Enterprise 2021 LTSC HighEnd and Windows 11 Ready
SYSTEM MEMORY	16 GB DDR4
STORAGE	500 GB solid state drive with backup drive
IP ENCODING/DECODING	
MAXIMUM CONCURRENT H.264 ENCODES AND DECODES	Up to 2 x 4K (3840x2160) @60Hz
	Up to 4 x 4K (3840x2160) @30Hz
	Up to 8 x HD (1920x1080) @60Hz
	Up to 16 x HD (1920x1080) @30Hz
OUTPUTS	
MAXIMUM OUTPUTS	Up to 4 x 4K (3840x2160) @60Hz
	Up to 16 x HD (1920x1080) @60Hz*
STANDARD OUTPUT FORMAT	DisplayPort
ADDITIONAL OUTPUT FORMATS SUPPORTED	DVI, HDMI
INPUTS	
MAXIMUM INPUTS	Up to 4 x (4096x2160) @60Hz**
	Up to 4 x (4096x2160) @30Hz
	Up to 4 x (3840x2160) @60Hz**
	Up to 4 x (3840x2160) @30Hz
	Up to 4 x (2560x1600) @60Hz
	Up to 4 x (1920x1080) @60Hz
STANDARD INPUT FORMAT	Mini HDMI
PHYSICAL	
DIMENSIONS (W X H X D)	19 x 1.75 x 17.7 inches (1RU)
POWER SUPPLY	200W max; redundant; hot-swappable
SUPPORTED VOLTAGE	110/220 Volts AC

*Requires additional 4K to HD signal processing hardware **In YUV 4:2:0, 12 bits per pixel (8 bits per component)

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PROCESSOR	RUGGEDIZED	IDEAL FOR	MAX IP STREAMS	MAX INPUTS	MAX OUTPUTS	DIMENSIONS/MOUNTING
ALPHA FX ELITE	–	Very large control rooms and visualization systems Networked AV environments	Up to 48 x 4K Up to 192 x HD or numerous SD	Up to 48 x 4K (Additional inputs available with expansion chassis)	Up to 20 x 4K Up to 80 x HD* (DisplayPort, Mini-Display Port, DVI, HDMI)	5RU (rack-mounted) 19 x 8.8 x 26.4 inches
ALPHA FX CORE	–	Medium to large control rooms and visualization systems Networked AV environments	Up to 16 x 4K Up to 64 x HD or numerous SD	Up to 16x 4K (Additional inputs available with expansion chassis)	Up to 12 x 4K Up to 48 x HD* (DisplayPort, DVI, HDMI)	4RU (rack-mounted) 19 x 7.0 x 26.4 inches
ALPHA FX PRO	–	Small to medium control rooms and visualization systems Networked AV environments	Up to 4 x 4K Up to 32 x HD or numerous SD	Up to 8 x 4K	4 x 4K plus 2 x HD (DisplayPort, DVI, HDMI)	2RU (rack-mounted) 18.84 x 3.39 x 19.44 inches
ALPHA FX EDGE	–	Smaller control rooms and visualization systems Networked AV environments	Up to 4 x 4K Up to 16 x HD or numerous SD	Up to 4 x 4K	Up to 4 x 4K Up to 48 x HD* (DisplayPort, DVI, HDMI)	1RU (rack-mounted) 19 x 1.75 x 17.7 inches
ALPHA FX LITE	–	Smaller control rooms and visualization systems Networked AV environments	Up to 4 x 4K Up to 16 x HD or numerous SD	Up to 4 x 4K	Up to 4 x 4K Up to 16 HD (Mini-DisplayPort, DisplayPort, DVI, HDMI)	2RU (rack-mounted or freestanding) 8.66 x 3.31 x 11.12 inches
STRYKE EX	Ruggedized	Command centers in environments with extreme temperatures, shock, vibration, salt/fog, and/or humidity/dust.	Up to 32 x 4K Up to 128 x HD or numerous SD	Digital - Up to 32 Sources Analog - Up to 16 RGsB, 16 VGA, DVI-I, or RGBHV, or 32 Composite Video Sources	Up to 8 x 4K Up to 8 x HD (DisplayPort)	4RU (rack-mounted) 19 x 7 x 18.1 inches
STRYKE	Ultra-Ruggedized	Command centers in environments with extreme temperatures, shock, vibration, dust, and/or requiring portability Networked AV environments	Up to 4 x 4K Up to 16 x HD with additional fan attachment or numerous SD	Up to 4 x 4K	Up to 4 x 4K Up to 4 x HD (Mini-Display Port, Display Port, DVI, HDMI)	(free-standing) 10.4 x 3.9 x 6.7 inches

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Speak to one of our experts.

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SCHEDULE A LIVE DEMO

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GSA Schedule GS-35F-0537U

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