



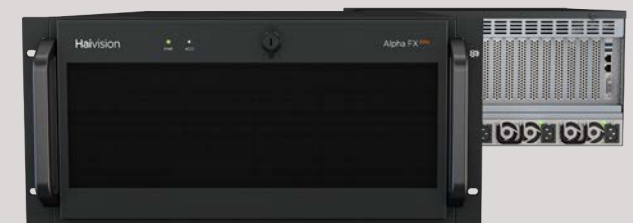
Alpha FX Elite

IP-Enabled Video Processor

The Alpha FX Elite video processor integrated with the Command 360 visual collaboration platform is the most powerful processor in the Haivision MCS product catalog. Featuring the largest number of inputs/ outputs and flexible configurations, the Alpha FX Elite is ideal for large-scale control rooms and enterprise networked AV environments.

The Alpha FX Elite supports IP video streaming, so users can display video streams across the network on their video wall – or stream their local operating picture to colleagues and display systems around the world.

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



HIGH-DENSITY HD & 4K

A single 5RU Alpha FX Elite can power up to 80 HD displays (or 20 4K displays) and capture content from up to 48 HD (or 48 4K) HDMI sources. The Elite also supports IP video streaming, enabling it to capture and/or stream up to 192 HD (or 48 4K) IP video sources simultaneously. Additional inputs and outputs are available with expansion chassis.

DISPLAY VIRTUALLY ANY CONTENT

With the Alpha FX Elite, 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.

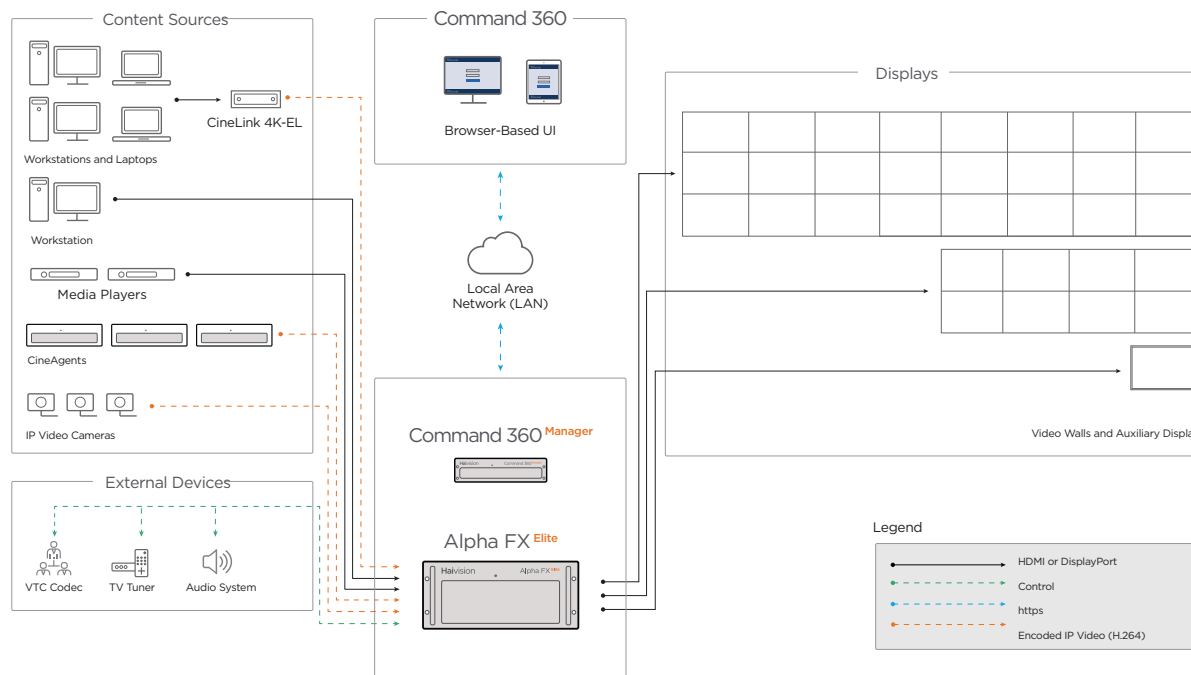
STREAM VIDEO WALL CONTENT ACROSS YOUR NETWORK

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 simultaneously - even systems with different display types or aspect ratios. Different video walls can be controlled as a single system or managed separately.

SIGNAL FLOW DIAGRAM



SYSTEM CONFIGURATION

SYSTEM ARCHITECTURE	SBC with backplane
CPU	Intel i9-10900E
OPERATING SYSTEM	Windows 10 IoT Enterprise 2021 LTSC HighEnd and Windows 11 Ready
CARD ARCHITECTURE	17 slot processor chassis
SYSTEM MEMORY	16 GB DDR4
STORAGE	500 GB capacity solid state drive with backup drive

IP ENCODING/DECODING

MAXIMUM CONCURRENT H.264 ENCODES AND DECODES	Up to 24 x 4K (3840x2160) @60Hz
	Up to 48 x 4K (3840x2160) @30Hz
	Up to 96 x HD (1920x1080) @60Hz
	Up to 192 x HD (1920x1080) @30Hz

OUTPUTS

MAXIMUM OUTPUTS	Up to 20 x 4K (3840x2160) @60Hz
	Up to 80 x HD (1920x1080) @60Hz*
STANDARD OUTPUT FORMAT	DisplayPort, Mini-DisplayPort
ADDITIONAL OUTPUT FORMATS SUPPORTED	DVI, HDMI

INPUTS








MAXIMUM INPUTS	Up to 48 x (4096x2160) @60Hz**
	Up to 48 x (4096x2160) @30Hz
	Up to 48 x (3840x2160) @60Hz**
	Up to 48 x (3840x2160) @30Hz
	Up to 48 x (2560x1600) @60Hz
	Up to 48 x (1920x1080) @60Hz
STANDARD INPUT FORMAT	Mini HDMI
ADDITIONAL INPUT FORMATS SUPPORTED	HDMI, DisplayPort, DVI, 3G-SDI

PHYSICAL

DIMENSIONS (W X H X D)	19.0 x 8.8 x 26.4 inches (5RU)
POWER SUPPLY	1780W max; redundant; hot-swappable
SUPPORTED VOLTAGE	110/220 Volts AC



Compare Video Processors

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)	2RU (rack-mounted) 18.84 x 3.39 x 19.44 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 RGB, 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



READY TO GET STARTED?

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HAIVISION IS TRUSTED BY ORGANIZATIONS WORLDWIDE



SCHEDULE A LIVE DEMO

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GSA Schedule GS-35F-0537U