



Alpha FX Pro

IP-Enabled Video Processor

The Haivision MCS Alpha FX Pro, integrated with the Command 360 visual collaboration platform, is a multi-4K, IP-enabled video processor in a compact, 2RU package. The Alpha FX Pro is ideal for medium-sized operations centers, briefing rooms, visualization environments, and other applications requiring a powerful, yet compact video wall control solution. In addition to physical inputs and outputs, the Alpha FX Pro offers native encoding and decoding, enabling users to display and share video wall content across their network in real-time.

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



HIGH-DENSITY HD & 4K

A single Alpha FX Pro processor can power up to 4 x 4K plus 2 x HD displays and can capture content from up to 8 4K HDMI sources. It also supports IP video streaming, enabling it to capture and/or stream up to 32 HD (or 8 4K) IP video sources simultaneously.

DISPLAY VIRTUALLY ANY CONTENT

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

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.

DECODE AND DISPLAY STREAMED VIDEO

Open and display streamed content from any IP-enabled source on your network. Video streams can easily be added to and positioned on your video wall using an intuitive, drag & drop interface.

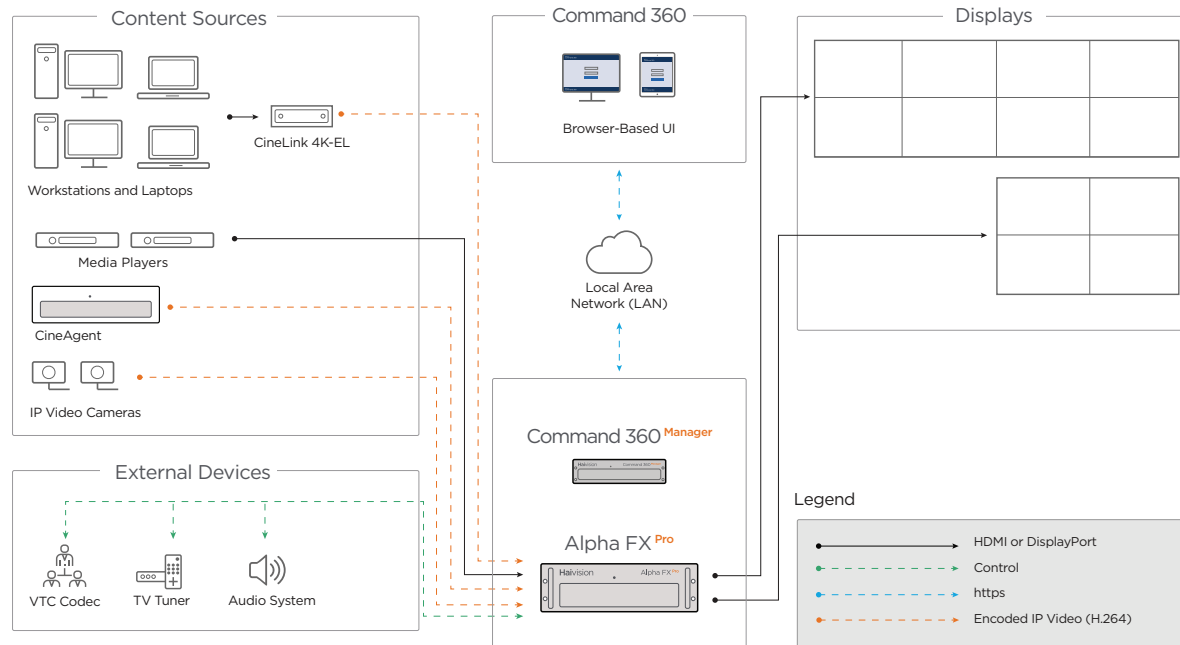
MULTI-VIDEO WALL CONTROL

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.

BUILT-IN DEVICE CONTROL & AUTOMATION

Easily control the devices in your environment without using their remote controls. Operate hardware such as audio systems, video-teleconferencing solutions, media players, lighting, and more using the same simple interface you use to control your video wall.

SIGNAL FLOW DIAGRAM



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 4 x 4K (3840x2160) @60Hz
	Up to 8 x 4K (3840x2160) @30Hz
	Up to 16 x HD (1920x1080) @60Hz
	Up to 32 x HD (1920x1080) @30Hz

OUTPUTS

MAXIMUM OUTPUTS	Up to 4 x 4K plus 2 x HD (1920x1080) @60Hz
	18 x HD (1920x1080) @60Hz*
STANDARD OUTPUT FORMAT	DisplayPort
ADDITIONAL OUTPUT FORMATS SUPPORTED	DVI, HDMI

INPUTS

MAXIMUM INPUTS	Up to 8 x (4096x2160) @60Hz**
	Up to 8 x (4096x2160) @30Hz
	Up to 8 x (3840x2160) @60Hz**
	Up to 8 x (3840x2160) @30Hz
	Up to 8 x (2560x1600) @60Hz
	Up to 8 x (1920x1080) @60Hz
STANDARD INPUT FORMAT	Mini HDMI

PHYSICAL








DIMENSIONS (W X H X D)	18.84 x 3.39 x 19.44 inches (2RU)
POWER SUPPLY	400W 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)



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)	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 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