

StreamPoint

Encoder



StreamPoint encoders are revolutionary AV over IP h.264 encoders. You can seamlessly and easily encode any signal to be visualized at different locations on the network. StreamPoint encoders are all fully compatible with Jupiter's display wall processors, extending the solution to expand the functionality of any deployment.

- **H.264 encoding**
- **FHD to 4K capture and encoding options**
- **Unicast, multicast or multi-unicast streaming**
- **Mux together multiple inputs**
- **Audio encoding**
- **Multiple encoding profiles**
- **Loop-out video for local preview or viewing**
- **Centralized management of hardware and users**

HD / 4K

4K or 1080p Display Resolution

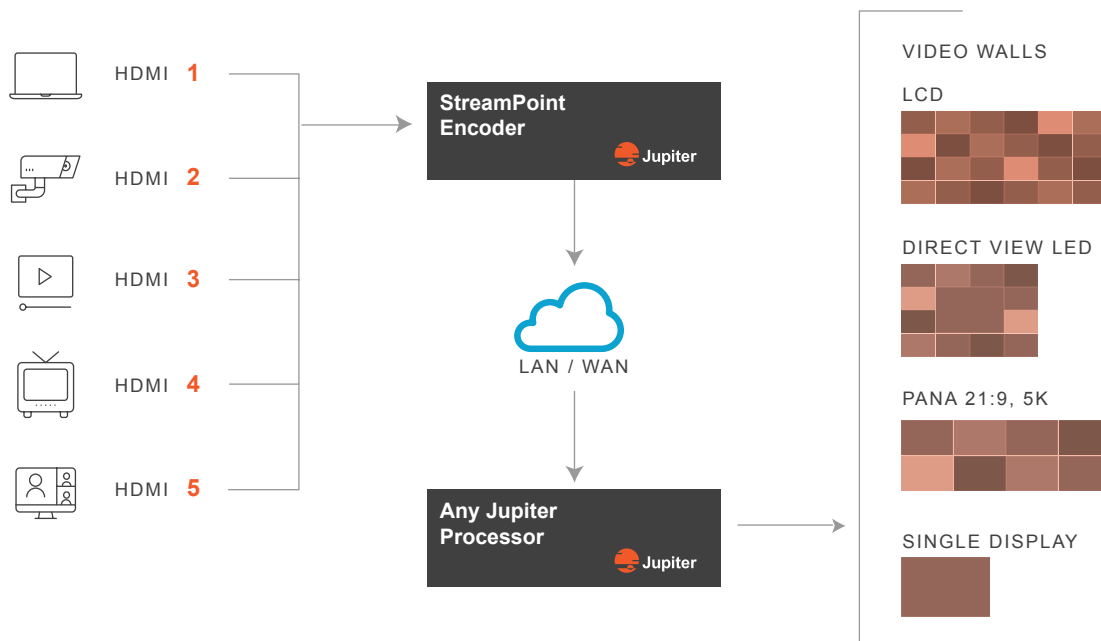
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Four simultaneous 4K channels that can stream, process and record in multiple settings, without sacrificing quality.



Easily integrates with PixelNet, Catalyst, Canvas and other display wall products

Architecture of a StreamPoint Installation



StreamPoint Specifications

INPUTS	4K-4
Video Input Interface	4x HDMI® (Type A) with audio support
Video Output / Pass-Through Interface	4x HDMI® (Type A) with audio support
Audio Line-In	4x 3.5 mm analog stereo audio - 1 Vrms (0 dBV) - 14.3 kΩ (gain = 0 dB) - (-60) dB to (+6) dB (default is 0 dB) 1x 3.5 mm stereo mic in - 2.5 V - 1 Vrms (0 dBV) - 15 kΩ (gain = 0 dB), 5 kΩ (gain ≥ 10 dB) - (-74) dB to (+41) dB (default is 0 dB)
Audio Line-Out (Local Pass-Through)	4x HDMI digital LPCM two-channel stereo audio 1x 3.5 mm headphones out -1.2 Vrms (1.6 dBV)-32 mW into 32Ω-(-74) dB to 0 dB (default is 0 dB)
Network Connector	RJ45
VIDEO ENCODING	
Resolution	Maximum Capture Resolution • 4x 3840x2160 @60Hz or 4x 4096x2160 @60Hz Color Space Capture: • RGB and YUV 8- and 10-bit support • Color space conversion support
Codec	H.264/MPEG-4 Part 10 (AVC) Chroma Sub-Sampling • 4:0:0, 4:2:0 (8-bit and 10-bit) • 4:2:2 (8-bit), 4:4:4 (8-bit)
Profiles	Baseline (BP), main (MP), high (HiP), high 10 (Hi10P), high 4:2:2 (Hi422P), high 4:4:4 predictive profile separate plane (Hi444PP), CAVLC 4:4:4 intra (44)
Levels	Up to 5.2
Bit Rates	50 Kpbs to 120 Mbps 15 Mbps (default)
Rate Control	CBR, VBR, adjustable GOP size
Security	802.1x (EAP-TLS) support
AUDIO ENCODING	
Codec	MPEG-4 AAC-LC/HEV1/HEV2
Channels	2 channel (stereo), HDMI with digital L-PCM audio
Analog Frequency	32 kHz, 44.1 kHz, and 48 kHz
Bit Rates	Up to 576 Kbps (AAC-LC), 288 Kbps (AAC-HEV1), 144 Kbps (AAC-HEV2)
NETWORKING	
Speed	IGMP Version 2 and 3, 100/1,000 base-T Ethernet, auto speed, half/full duplex
Streaming Protocol	"RTSP (TCP), RTCP & RTP (UDP) - all required • RTP/RTCP (both required) over UDP • SRT over UDP • RTMP • MPEG2-TS over UDP • HLS • RTSP over TCP (interleaved)
Control	HTTPS over TCP, UPnP (discovery)
Protocols	IPv4, IPv6, DHCP (default) and static IP address support Unicast, multi-unicast, multicast
RECORDING	
Connectivity	USB (For Recording) • 2x USB 2.0 (front) • 1x USB 3.0 (back)
File Formats	MP4, MOV, fMP4
Programmability	Start date and time, duration, maximum file length, file frequency
Recording Locations	Shared network drive or NAS, Local USB ports for USB flash drive and external hard drive

StreamPoint Specifications Continued

MANAGEMENT SOFTWARE	4K-4
OS Support	Microsoft® Server® 2022, Windows® Server® 2019, Windows® 11, Windows® 10
Security	Password Protected
Control	Resides on any PC on the same subnet
MECHANICALS	
Dimensions	8.53 x 7.52 x 1.68 in (21.7 x 19.1 x 4.3 cm)
Weight	1,2lbs
Voltage	100-240 VAC in, 12 VDC out
Watt	60W
Connector	DI N4 Locking Power Connector
Power Cords	US, EU
MECHANICALS	
Regulatory Certifications	FCC,CE,RCM,VCCI,KC, ICES-3



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