

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

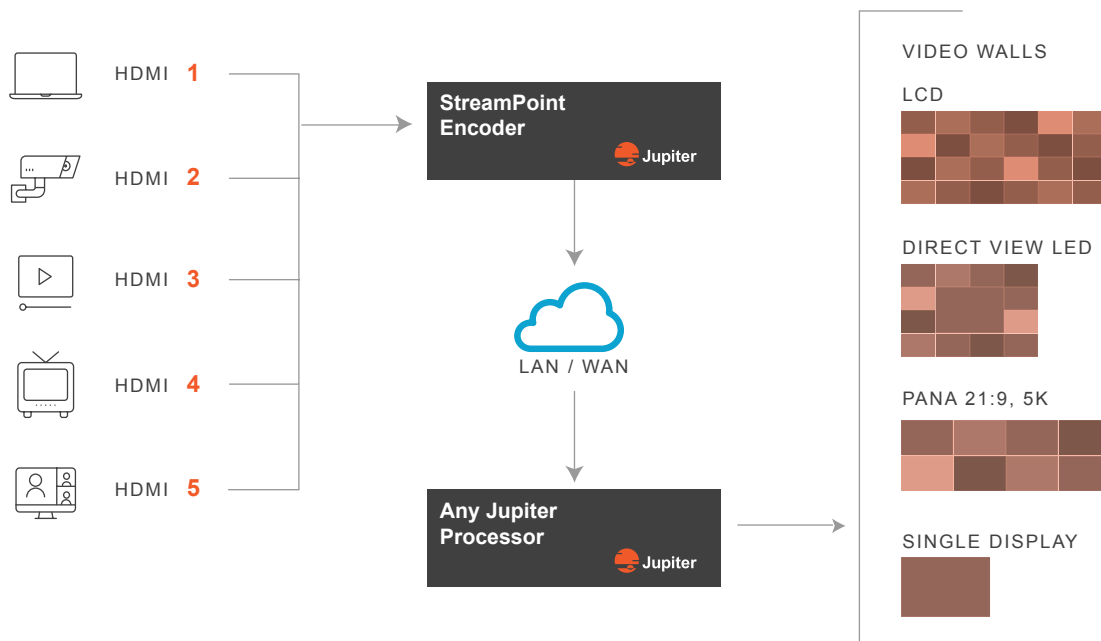
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Four simultaneous 4K channels that can stream, process and record in multiple settings, without sacrificing quality.



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 Kbps 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, rMP4
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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