

# 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

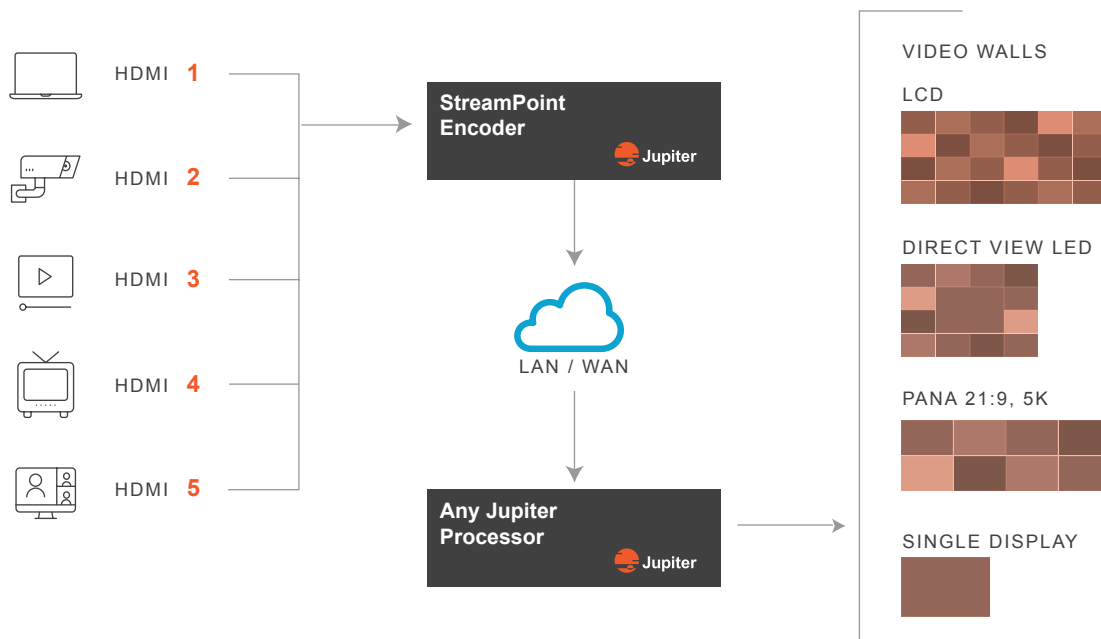
### 4

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-2	4K-4
<b>Video Input Interface</b>	2x HDMI® (Type A) with audio support	4x HDMI® (Type A) with audio support
<b>Video Output / Pass-Through Interface</b>	2x HDMI® (Type A) with audio support	4x HDMI® (Type A) with audio support
<b>Audio Line-In</b>	2x 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)	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)
<b>Audio Line-Out (Local Pass-Through)</b>	2x 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)	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)
<b>Network Connector</b>	RJ45	
VIDEO ENCODING		
<b>Resolution</b>	Maximum Capture Resolution • 2x 3840x2160 @60Hz or 2x 4096x2160 @60Hz Color Space Capture • RGB and YUV 8- and 10-bit support • Color space conversion support	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
<b>Codec</b>	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)	
<b>Profiles</b>	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)	
<b>Levels</b>	Up to 5.2	
<b>Bit Rates</b>	50 Kpbs to 120 Mbps 15 Mbps (default)	
<b>Rate Control</b>	CBR, VBR, adjustable GOP size	
<b>Security</b>	802.1x (EAP-TLS) support	
AUDIO ENCODING		
<b>Codec</b>	MPEG-4 AAC-LC/HEV1/HEV2	
<b>Channels</b>	2 channel (stereo), HDMI with digital L-PCM audio	
<b>Analog Frequency</b>	32 kHz, 44.1 kHz, and 48 kHz	
<b>Bit Rates</b>	Up to 576 Kbps (AAC-LC), 288 Kbps (AAC-HEV1), 144 Kbps (AAC-HEV2)	
NETWORKING		
<b>Speed</b>	IGMP Version 2 and 3 • 100/1,000 base-T Ethernet, auto speed, half/full duplex	
<b>Streaming Protocol</b>	"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)	
<b>Control</b>	HTTPS over TCP, UPnP (discovery)	
<b>Protocols</b>	IPv4, IPv6, DHCP (default) and static IP address support Unicast, multi-unicast, multicast	
RECORDING		
<b>Connectivity</b>	USB (For Recording) • 2x USB 2.0 (front) • 1x USB 3.0 (back)	
<b>File Formats</b>	MP4, MOV, fMP4	
<b>Programmability</b>	Start date and time, duration, maximum file length, file frequency	
<b>Recording Locations</b>	• Shared network drive or NAS • Local USB ports for USB flash drive and external hard drive	

# StreamPoint Specifications Continued

MANAGEMENT SOFTWARE	4K-2	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	
MECHANICAL		
Dimensions	8.53 x 7.52 x 1.68 in (21.7 x 19.1 x 4.3 cm)	
Weight		
Voltage	100-240 VAC in, 12 VDC out	
Watt	60W	
Connector	DI N4 Locking Power Connector	
Power Cords	US, EU	
CERTIFICATIONS		
Regulatory Certifications	FCC,CE,RCM,VCCI,KC, ICES-3	



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