StreamPoint
Encoder

Jupiter

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

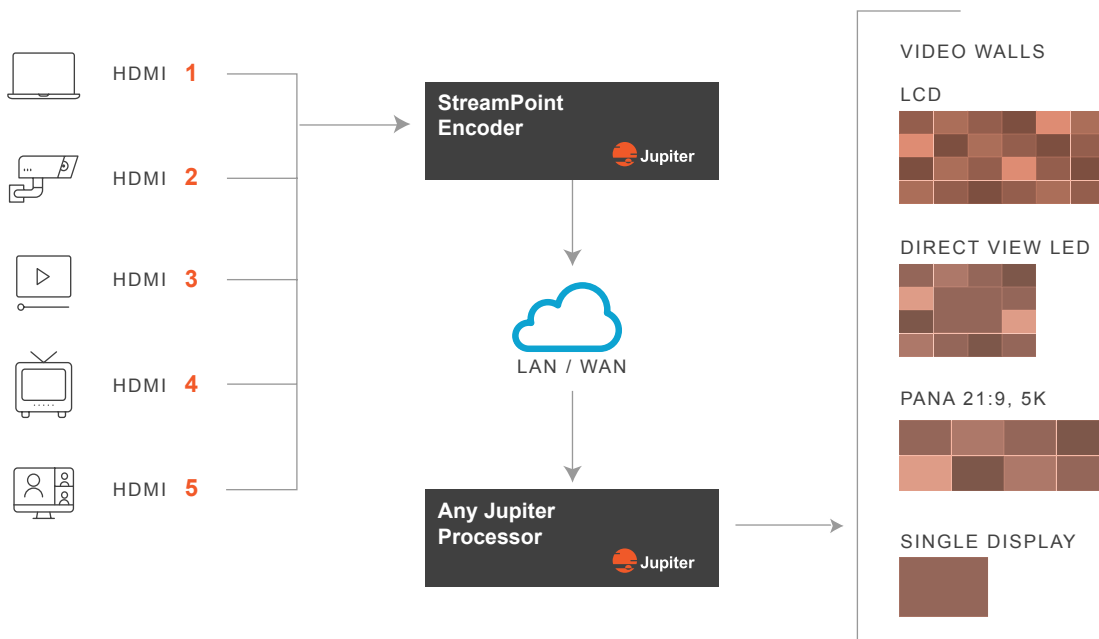4K or 1080p Display Resolution

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

HDMI **1**

HDMI **2**

HDMI **3**

HDMI **4**

HDMI **5**

StreamPoint Encoder — Jupiter

LAN / WAN

Any Jupiter Processor — Jupiter

VIDEO WALLS

LCD

DIRECT VIEW LED

PANA 21:9, 5K

SINGLE DISPLAY

StreamPoint Specifications

INPUTS	HD	4KSCA	4KSCH
Video Input Interface	1x HDMI with digital L-PCM audio DVI via DVI-to-HDMI adapter	1x HDMI® 2.0 (Type A) with audio support	
Video Output / Pass-Through Interface	HDMI with digital L-PCM audio, local pass-through w/o scaling, or confidence preview w/ optional scaling DVI via HDMI to DVI-D adapter, local pass-through w/o scaling or confidence preview w/ optional scaling HD15, Analog VGA – confidence previewProcamp control: contrast, brightness, saturation, hue Scaled output (i.e., 1080p60 input/720p60 scaled output) w/ optional scaling Resolutions up to 1920x1080p60, 1920x1200(60Hz), 1920x1080i50, 1920x1080i60"	1x HDMI® 2.0 (Type A) with audio support	
Audio Line-In	3.5mm analog stereo audio	"1x 3.5 mm analog stereo audio in - 0.57 Vrms -29 kΩ -6 dB to +16.5 dB"	
Audio Line-Out (Local Pass-Through)	3.5mm analog stereo audio	1x HDMI digital LPCM two-channel stereo audio	
Network Connector	RJ45		
VIDEO ENCODING			
Resolution	Single-Channel HD Up to 1920x1080p60 and 1920x1200(56Hz) and many more wide-screen and standard-definition resolutions	Maximum Capture Resolution 1x 3840x2160 @60Hz Color Space Capture: • RGB and YUV 8-bit support • Color space conversion support	
Codec	H.264/MPEG-4 Part 10 (AVC)	H.264/MPEG-4 Part 10 (AVC) Chroma Sub-Sampling • 4:2:0 (8-bit)	H.264/MPEG-4 Part 10 (AVC) H.265/MPEG-H Part 2 (HEVC) Chroma Sub-Sampling • 4:2:0 (8-bit)
Profiles	Main	Baseline (BP), Main (MP), High (HiP), High10 (Hi10P), Intra, up to Level 5.2	Main (MP), Main Intra, Main10, Main10 Intra, Main, Intra up to Level 5.1 High Tier
Levels	Up to 4.2	Up to 5.2	
Bit Rates	100 Kbps to 25 Mbps	"64Kbps to 60 Mbps 15 Mbps (default)"	
Rate Control	CBR, VBR, Favor Speed, Favor Quality, Adjustable GOP Size	CBR, VBR, adjustable GOP size	
Security			
AUDIO ENCODING			
Codec	MPEG4 AAC-LC	MPEG-4 AAC-LC, OPUS and LPCM	
Channels	2 channel (stereo), HDMI with digital L-PCM audio	2 channel (stereo), HDMI with digital L-PCM audio	
Analog Frequency	32 kHz, 44.1 kHz, and 48 kHz		
Bit Rates	96, 128, 192, and 256 Kbps	From 64 to 320 Kb/s (AAC-LC, OPUS and LPCM)	
NETWORKING			
Speed	100/1000base-T Ethernet 1000 Mbps full duplex 100 Mbps Half/full duplex	100/1,000 base-T Ethernet, auto speed, half/full duplex IGMPv2 and IGMPv3 support	
Streaming Protocol	RTSP/RTP/RTCP (all required) over UDP	• RTSP (TCP), RTCP & RTP (UDP) - all required • RTP over UDP • SRT over UDP • RTMP/(S) • MPEG2-TS over UDP • MPEG2-TS over RTP • RTSP over TCP (interleaved)	
Control	HTTPS	HTTPS over TCP, UPnP (discovery), SSDP	
Protocols	IPV4 Support Unicast, Multicast and Multi Unicast DHCP (Default) / Fixed IP Address Support CAT5-or-Better Network Cables	iPv4, DHCP (default) and static IP address support Unicast, multicast	
RECORDING			
Connectivity			
File Formats	Transport Stream (.TS)		
Programmability	Start/stop, duration, file location		
Recording Locations	Shared network drive or NAS		

StreamPoint Specifications Continued

MANAGEMENT SOFTWARE	HD	4KSCA	4KSCH
OS Support	Microsoft® Windows® 10 (64-bit), Windows Server® 2016, Windows 7 (32-bit, 64-bit), Windows Server 2008 R2	Microsoft® Server® 2022, Windows® Server® 2019, Windows® 11, Windows® 10	
Security	Password Protected		
Control	Resides on any PC on the same subnet		
MECHANICAL			
Dimensions	21.59cm x 2.59cm x 10.16cm (8.50" x 1.02" x 4.00")	7.11 x 5.50 x 1.31 in (18.07 x 13.97 x 3.33 cm)	
Weight	378g (excl. external power supply and power cords)	~350 grams/0.77 lbs (excl. external power supply and power cords)	
Voltage	100-240 VAC in, 12 VDC out		
Watt	15W	~12W typical (40W max)	
Connector	DI N4 Locking Power Connector	Barrel locking power connector	
Power Cords	US, EU		
CERTIFICATIONS			
Regulatory Certifications	CE/FCC/VCCI/ICES/C-Tick/KCC Class B, ROHS/WEEE	FCC,CE,RCM,VCCI,KC, ICES-3	

jupiter.com