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

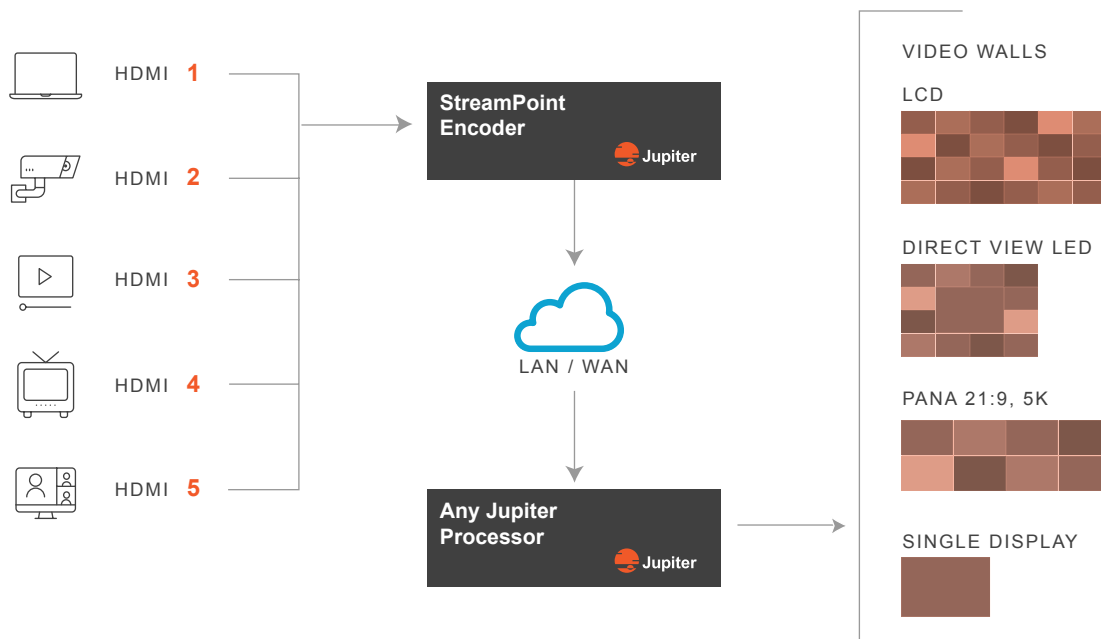4K or 1080p Display Resolution

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	4K	HD
Video Input Interface	HDMI x4	HDMI
Video Output Interface	HDMI x4	HDMI, VGA
Audio Line-In	3.5 mm x4	3.5 mm
Audio Line-Out	3.5 mm	3.5 mm
Network	RJ45	RJ45
VIDEO ENCODING		
Resolution	Up to 2x 3840 x 2160 @ 60Hz, 4x 3840 x 2160 @ 30Hz	Up to 1920 x 1080 @ 60Hz, 1920 x 1200 @ 56Hz
Codec	H.264/MPEG4 Part 10	H.264/MPEG4 Part 10
Profiles	Baseline (BP), Main (MP), High (HiP), High 10(Hi1 OP), High 4:2:2 (Hi422P), High 4:4:4 predictive, profile separate plane (Hi444PP), CAVLC 4:4:4 intra (44)	Main
Levels	Up to 5.2	Up to 4.2
Bit Rates	50 Kpbs to 120 Mbps	100 Kbps to 25 Mbps
Rate Control	CBR, VBR, Favor Speed, Favor Quality, Adjustable GOP Size	CBR, VBR, Favor Speed, Favor Quality, Adjustable GOP Size
AUDIO ENCODING		
Codec	MPEG-4 AAC-LC/HEv1/HEv2	MPEG4 AAC-LC
Channels	2 channel stereo, HDMI input	2 channel stereo, HDMI input
Analog Frequency	32 kHz. 44.1 kHz, 48 kHz	32, 44.1 and 48Hz
Bit Rates	576 Kbps (AAC-LC) 288 Kbps (AAC-HEv1) 144 Kbps (AAC-HEv2)	96,128,192 and 256 Kpbs
NETWORKING		
Speed	100/1000base-T Ethernet	100/1000base-T Ethernet
Streaming Protocol	RTSP, RTP, RTCP over UDP	RTSP, RTP, RTCP over UDP
Control	HTTP, HTTPS	HTTP, HTTPS
Protocols	Unicast, Multicast, Multi Unicast	Unicast, Multicast, Multi Unicast
MANAGEMENT SOFTWARE		
OS Support	Windows 7 64-bit, Windows 10 64-bit, Server 2012 64-bit	Windows 7 64-bit, Windows 10 64-bit, Server 2012 64-bit
Security	Password Protected	Password Protected
Control	Resides on any PC on the same subnet	Resides on any PC on the same subnet
MECHANICAL		
Size	8.53" x 7 .45" x 1.68" in (21.7 x 18.9 x 4.3 cm)	8.5" x 1.02" x 4.0" in (21.59 x 2.59 x 10.16 cm)
Weight	480g	378g
Rackmount	1 RU Dual density	1 RU Dual density
POWER SUPPLY		
Voltage	100-240 VAC in, 12 VDC out	100-240V AC In, 5V DC Out
Watt	60W	15W
Connector	DI N4 Locking Power Connector	DI N4 Locking Power Connector
Power Cords	US, EU, UK, Aus/NZ	US, EU, UK, Aus/NZ
CERTIFICATIONS		
Regulatory Certifications	FCC,CE,RCM,VCCI,KC, ICES-3	CE/FCCNCCI/ICES /C-Tick/KCC Class B, RoHS Compliant/WE EE

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