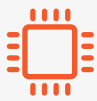# Catalyst V
Catalyst Video Wall Processor

Jupiter

Catalyst V is ideal for small to minimum sized projects. Designed from the ground up to be compact, quiet and feature rich, it features the latest i9 processors from Intel and industry leading video wall boards. The Catalyst V can be installed in a traditional AV rack and is quiet enough to sit inside a conference room. It's certified to work with Pana 21:9 at its native 5K resolution to create the best video wall experience in a single large display.

- **Ultra-quiet**
- **HDCP compliant**
- **Standalone or Canvas Enterprise**
- **Compatible with Pana 21:9, 5K displays**
- **Compatible with LCD, LED, cubes and projectors display technologies**
- **Windows 10**
- **Web, VNC and application support**
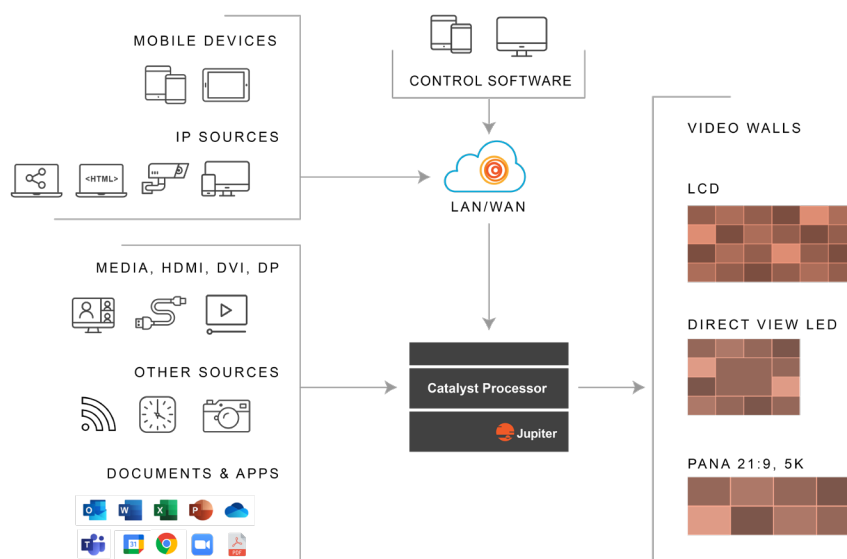- **RAID & redundant power supplies**

Intel i9 Core processing	16 4K inputs and outputs	Decode up to 1,000+ H.264 streams

Architecture of a Catalyst Installation

MOBILE DEVICES

CONTROL SOFTWARE

IP SOURCES

VIDEO WALLS

LCD

LAN/WAN

MEDIA, HDMI, DVI, DP

DIRECT VIEW LED

OTHER SOURCES

Catalyst Processor
Jupiter

DOCUMENTS & APPS

PANA 21:9, 5K

Catalyst V Specifications

OUTPUTS	
Interface	DP 1.4 or HDMI 2.0
Max Output Resolution	5120 x 2160
Max FHD Outputs (Display Looping)	64
Max 4K Outputs	16
Graphics Libraries	DirectX® 12.0, Open GL® 4.5, Open CL™ 1.2
DIRECT INPUTS	
Physical Interface	DVI, HDMI, DP, SDI
Max Input Resolution	4096 x 2160
Max FHD & 4K Inputs	16 (FHD) & 16 (4K)
HDCP	Yes 1.4 and 2.2
NETWORK INPUTS	
Hardware Streaming Codecs	H.264
StreamPoint Decoder Board	2x: 3840 x 2160 @ 60Hz, 4x: 3840 x 2160 @ 30Hz, 8x: 1920 x 1080 @ 60Hz, 16x: 1920 x 1080 @ 30Hz, 30+ SD Streams
Max Hardware Decoding per System	100+
Software Streaming Codecs	MPEG2, MPEG4, H.264, H.265
Max Software Decoding per System (H.264)	1x 3840x2160 @ 60Hz, 3x 3840x2160 @ 30Hz, 6x 1920x1080 @ 60Hz, 12x 1920x1080 @ 30Hz, 30+ SD Streams
Max SimpleShare Inputs	2
Max VNC Inputs	32
Max Web Browsers Inputs	32
HARDWARE	
Chassis Form Factor	3RU
Max PCie Slots	Up to 5
Processor Options	Intel Core i3, i5 or i9
RAM	16, 64 GB
Hard Drives	256GB, 500GB, 1TB SSD
RAID	RAID 1 + Hot Spare
Ethernet	2x 100/1000 Mbps RJ45 ports
USB Ports	2x USB 3.0 & 4x USB 2.0
Audio	3.5mm stereo and digital output
Operating Temperature	0° to +40° C
Storage Temperature	minus 10° to 70° C
Operating/Storage Humidity	10% to 85%, Non-condensing
Power Consumption	550 Watts
Chassis Dimensions	5.25" H x 19" W x 18" D (133.4mm x 482.6mm x 457.2mm)
SOFTWARE	
OS	Windows 10
Control Software	Canvas
CERTIFICATIONS	
Regulatory Certifications	UL, TAA, CE, FCC

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