

# Catalyst V

## Catalyst Video Wall Processor



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 11\***
- **Web, VNC and application support**
- **RAID & redundant power supplies**



Intel i9 Core processing

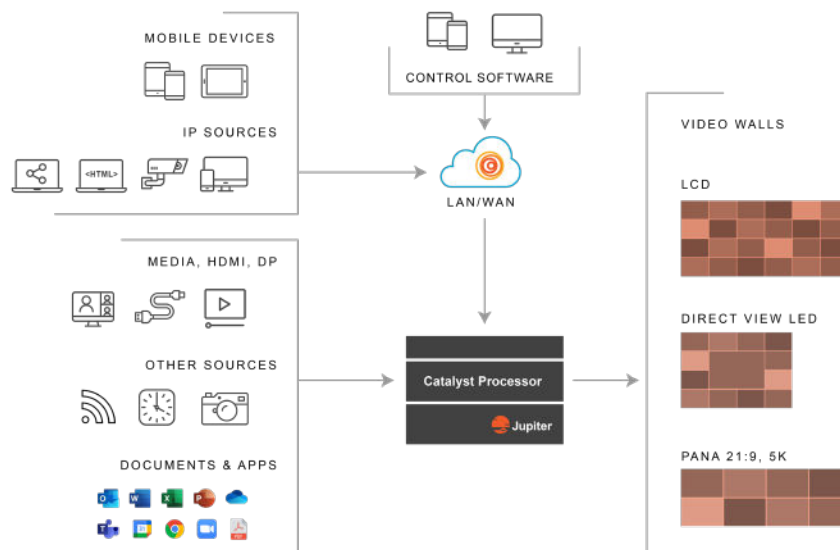
16

Up to 16 4K inputs



Decode up to 120+ H.264 streams

## Architecture of a Catalyst Installation



# Catalyst V Specifications

OUTPUTS	
Interface	4x DisplayPort 1.4
Max Output Resolution	Up to 3x 5120x3200 @60Hz (DP)
Max FHD Outputs (Display Looping)	64
Max 4K Outputs	16
Graphics Libraries	DirectX® 12.0, Open GL®
DIRECT INPUTS	
4 Channel HDMI Capture Board	4x 4096x2160 @60Hz <sup>(4:2:0)</sup> / 4096x2160 @30Hz / 3840x2160 @60Hz <sup>(4:2:0)</sup> / 3840x2160 @30Hz / 2560x1600 @60Hz
2 Channel DP Capture Board	2x 4096x2160 @60Hz / 4096x2160 @30Hz / 3840x2160 @60Hz / 3840x2160 @30Hz / 2560x1600 @60Hz
Max FHD & 4K Inputs	16 (FHD) & 16 (4K)
HDCP	Yes 1.4 and 2.2
NETWORK INPUTS	
Hardware Streaming Codecs	H.264
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	120+
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 ScreenShare Inputs	2
Max VNC Inputs	16
Max Web Browsers Inputs	16
HARDWARE	
Chassis Form Factor	3RU
PCIe Slots	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	4x USB 3.0 & 2x USB 2.0 (front)
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	500 Watts
Chassis Dimensions	5.25" H x 19" W x 18" D (133.4mm x 482.6mm x 457.2mm)
SOFTWARE	
OS	Windows 11 LTSC (IoT)
Control Software	Canvas
CERTIFICATIONS	
Regulatory Certifications	cULus, FCC, TAA, CE, NOM

\* Windows 11 to be shipped with new hardware order, for previous/current deployments upgrades to Windows 11 please contact Jupiter support for compatibility/procedure.



jupiter.com

© 2026 Jupiter. Jupiter is a registered trademark of Jupiter Systems, Inc. Product specifications and designs are subject to change without notice. All brand and products names and logos are registered trademarks of Jupiter Systems, Inc.