

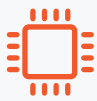
# Catalyst V

## 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 10**
- **Web, VNC and application support**
- **RAID & redundant power supplies**



Intel i9 Core processing

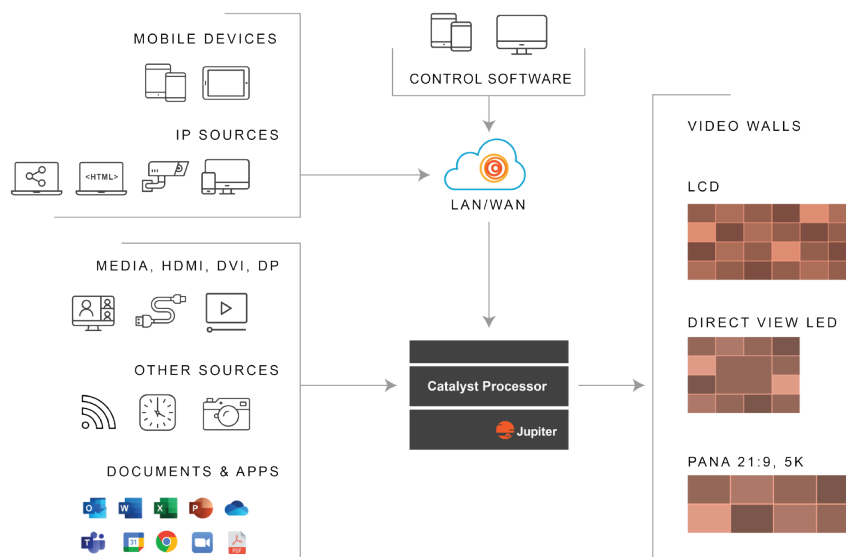
16

16 4K inputs and outputs



Decode up to 1,000+ H.264 streams

## Architecture of a Catalyst Installation



# Catalyst V Specifications

| OUTPUTS                                  |  |
|--|--|
| Interface                                | DP 1.4 or HDMI 2.0                                       |
| Max Output Resolution                    | 3840 x 2160 @ 60Hz                                       |
| Max FHD Outputs                          | 64   |
| Max 4K Outputs                           | 16   |
| Graphics Libraries                       | DirectX® 12.0<br>Open GL® 4.5<br>Open CL™ 1.2            |
| DIRECT INPUTS                            |  |
| Physical Interface                       | DVI, HDMI, DP, SDI                                       |
| Max Input Resolution                     | 3840 x 2160 @ 60Hz                                       |
| 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 i9 4 or 10 core                               |
| RAM                                      | 16, 32, 64 GB  |
| Hard Drives                              | 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                               |
| MTBF                                     | 100,000 hrs  |
| Power Consumption                        | 500  |
| Chassis Dimensions                       | 5.25" H x 19" W x 18" D<br>(133.4mm x 482.6mm x 457.2mm) |
| SOFTWARE                                 |  |
| OS                                       | Windows 10   |
| Control Software                         | Canvas   |



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