

# Catalyst Flare

## Catalyst Video Wall Processor

**! PRELIMINARY !**  
Subject to change



Catalyst Flare is ideal for small to medium-sized projects. Designed from the ground up to be compact, quiet and feature rich, it features the latest Xeon processors from Intel and industry-leading video wall boards. The Catalyst Flare 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 Xeon Core processing

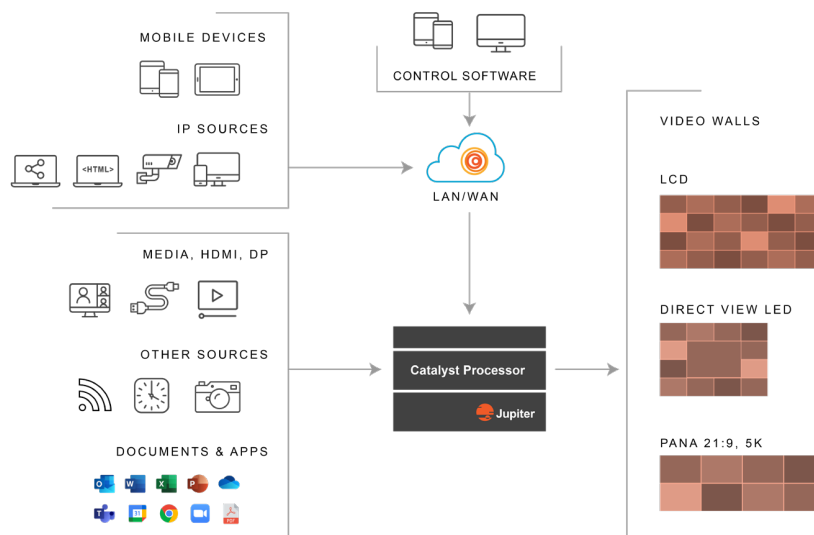
16

Up to 16 4K inputs



Decode up to 120+  
H.264 streams

## Architecture of a Catalyst Installation



# Catalyst Flare Specifications

| OUTPUTS                                  |  |
|--|--|
| Interface                                | 4x DisplayPort 2.0 (full-size)/8x Mini DisplayPort 2.0 (secure)  |
| Max Output Resolution                    | 16 (FHD) & 16 (4K)   |
| 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                                     | 2.2 and 2.3  |
| 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 VNC Inputs                           | 16   |
| Max Web Browsers Inputs                  | 16   |
| HARDWARE                                 |  |
| Chassis Form Factor                      | 4RU  |
| PCIe Slots                               | 6/3  |
| Processor Options                        | Intel Xeon W5/7  |
| RAM                                      | 128/192/256GB  |
| Hard Drives                              | 250GB, 500GB, 1TB SSD  |
| RAID                                     | RAID 1 + Hot Spare   |
| Ethernet                                 | 1x 1GbE & 1x 10GbE RJ45 ports  |
| USB Ports Rear                           | 4 x USB 3.2 Gen. 2x1 ports, 1 x USB 3.2 Gen. 2x2 port, 2 x USB 2.0 ports   |
| USB Ports Front                          | 2 x USB 3.0 Gen ports  |
| 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 typical, 800 Watts maximum   |
| Chassis Dimensions                       | 19.00" x 4U (7.00") x 18.50" [WxHxD]<br>482.6mm x 177.8mm x 469.9mm [DxWxH]  |
| SOFTWARE                                 |  |
| OS                                       | Windows 11 LTSC  |
| Control Software                         | Canvas   |
| CERTIFICATIONS                           |  |
| Regulatory Certifications                | cULus, FCC, TAA, ICES, CE, RCM   |



jupiter.com

© 2025 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.