

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

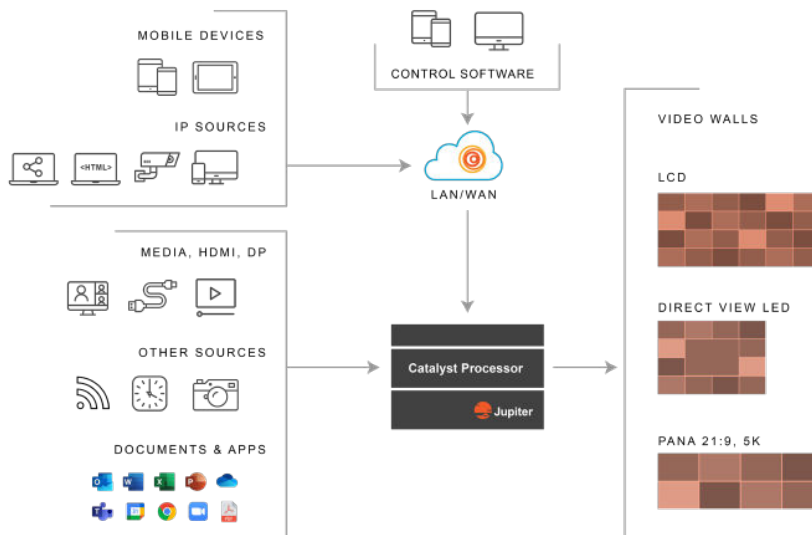
16

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 ^(4:2:0) / 4096x2160 @30Hz / 3840x2160 @60Hz ^(4:2:0) / 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] 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



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