

# Catalyst XL

## Catalyst Video Wall Processor



Catalyst XL is the undisputed workhorse of the Catalyst line and is ideal for medium to large sized video wall installations such as control rooms, government command centers, surveillance rooms, and utility centers. The Catalyst XL delivers the best in class solution for essential and critical control rooms as it can display any amount or type of data required to enhance operations.

- Enterprise grade Xeon processors
- Windows 10
- Up to 1000+ IP streams
- Up to 156 4K inputs
- Web/VNC/Application support
- HDCP compliant
- Standalone or Canvas Enterprise
- Compatible with PANA 21:9, 5K displays
- Compatible with LCD, LED, cubes and projectors display technologies
- RAID & redundant power supplies



156

Supports up to 156  
4K direct inputs

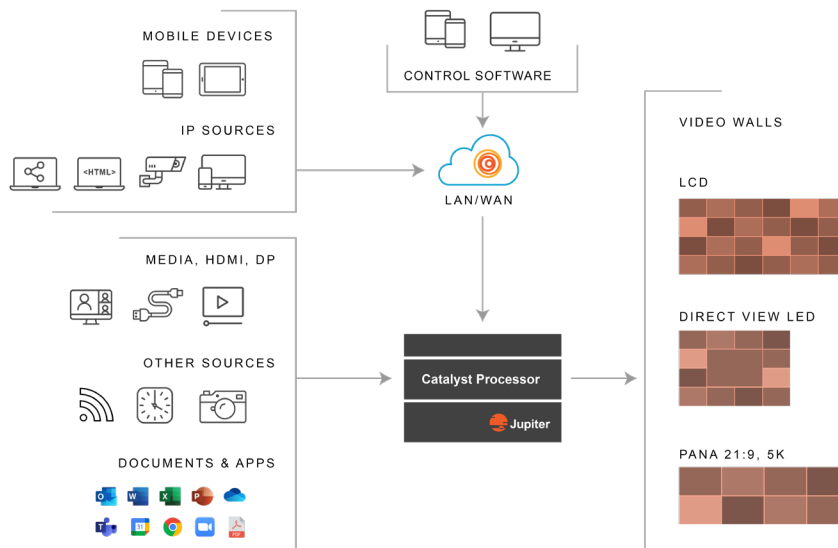


More 4K IP and direct inputs,  
more memory, and more power for  
unparalleled bandwidth speed



Decode up to 1,000+  
H.264 streams

## Architecture of a Catalyst Installation



# Catalyst XL Specifications

OUTPUTS	
4 Channel Graphics Board	4x DisplayPort 1.4 or 4x HDMI (full-size) Up to 4x 5120x3200 @60Hz (DP) or 4096x2160 @60Hz (HDMI)
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
NETWORK INPUTS	
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 Software Decoding per System	1x: 3840 x 2160 @ 60Hz, 3x: 3840 x 2160 @ 30Hz, 6x: 1920 x 1080 @ 60Hz, 12x: 1920 x 1080 @ 30Hz, 30+ SD Streams
VNC Decoding	Inputs: Up to 32 VNC Streams, Server: Software included Color Depth: Up to 32 bits per pixel
Web	Inputs: Up to 32 web pages Browser: Embedded Chrome** or Internet Explorer
HARDWARE	
Chassis Form Factor	1 RU CPU Chassis + Up to four 4 RU Express Chassis
CPU Processor	Intel E5 Xeon 10 Core 2.4GHz or 16 Core 2.9 GHz
Max System PCIe Slots	40
RAM	64, 128 GB RAM
Operating Systems	Windows 10 LTSC/Enterprise/Pro
Drives	500 or 1000 GB SSD
RAID	RAID 1 + Hot Spare
Network Interface: Ethernet	Standard Dual 100/1000 Mbps RJ45 ports
USB and Input Devices (USB)	2 USB 3.0, 4 USB 2.0, 104-key keyboard and mouse
Operating Temperature	0° to +40° C
Audio Card	3.5mm stereo and digital output
CPU Chassis Dimension	1.75" H x 19" W x 22.5" D (44.5mm x 482.6mm x 571.5mm)
Express Chassis Dimension	7.00" H x 19" W x 22.5" D (17.8 cm x 48.3 cm x 57.2 cm)
Orientation	5-17 RU
Weight	40 lbs. (18.2 kg.)
Shipping Weight	50 lbs. (22.7 kg.)
Temperature	Operating Range 32° F -104° F (0°C -40°C) Non-operating: 14° F -150° F (-10°C -66°C)
Humidity	10-90% non-condensing
Altitude	Up to 10,000 feet (3,048.0 m)
Electrical - Redundant Power	High efficiency (94%) with PMBus and I2C
Line Frequency	50-60 Hz
CPU Power Consumption	240 Watt Redundant PSU
Express Power Consumption	500 Watt Redundant PSU
SOFTWARE	
Applications	Windows 10 applications
API	HTTP REST or TCP
CERTIFICATIONS	
Regulatory Certifications	UL, TAA, CE, FCC



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