

# 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

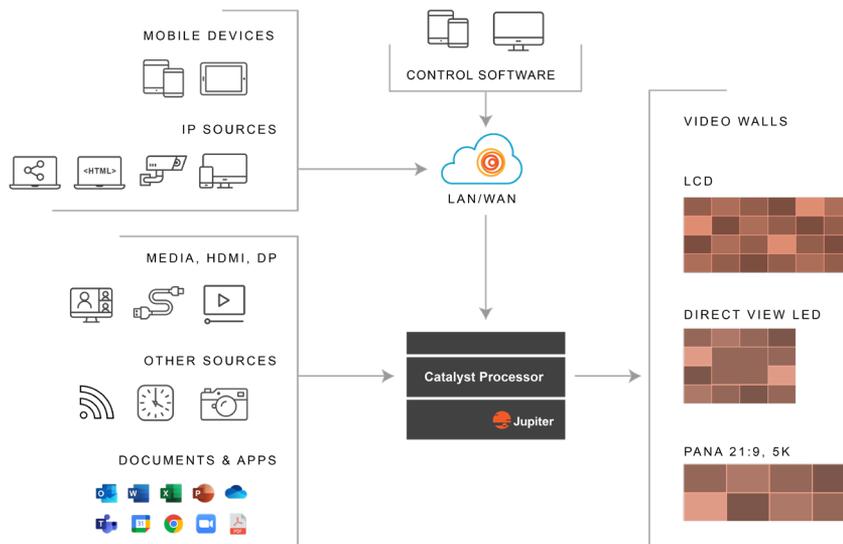


More 4K IP and direct inputs,  
more memory, and more power for  
unparalleled bandwidth speed



Decode up to 1,000+  
H.264 streams

## Architecture of a Catalyst Installation



HARDWARE	
CPU	Intel ES Xeon 10 Core 2.4GHz or 16 Core 2.9 GHz
RAM	48, up to 192GB RAM, Supports 6 channels up to 192GB (32GB x 6) <b>Default:</b> 8GB x 6 (48GB)
Hard Drive (SSD)	500 or 1000 GB SSD (Up to three)
RAID	RAID 1 + Hot Spare
USB 2.0 Type-A	2
USB 3.0 Type-A	4
Audio	3.5mm stereo and digital output
Network	Dual Intel X722+X557 2x 10/100/1000 MB/s operation Supports Wake on LAN function
PCI Slots	40 (Max)
Form Factor	5-17 RU (1 RU CPU Chassis + Up to four 4 RU Express Chassis)
Humidity Altitude	10%-90%, non-condensing
Altitude	Up to 10,000 feet (3,048.0 m)
Power Supply	700 Watt Redundant PSU (Input: 100 - 240V AC, Output: +12V/58A) - CPU Chassis 2000 Watt Redundant PSU (+12V/165A, +5Vsb/1.0A) - Express Chassis
Operating Temperature	32°F - 104°F (0°C - 40°C)
Storage Temperature	14°F - 150°F (-10°C - 66°C)
Dimensions	1.75" H x 19" W x 26.6" D (44.5mm x 483mm x 676mm) - CPU Chassis 7" H x 19" W x 26" D (178mm x 483mm x 661 mm) - Express Chassis
Weight	28 lbs. (12.7 kg) - CPU, 66 lbs. (25.4 kg) - Express Chassis
Shipping Weight	45 lbs. (20.4 kg) - CPU, 86 lbs. (39.0 kg) - Express Chassis
Shipping Dimensions	11" H x 23" W x 32" D (280mm x 584mm x 813mm) - CPU Chassis 16" H x 26" W x 34" D (407 mm x 661 mm x 864 mm) - Express Chassis
SOFTWARE	
Software OS	Windows 10 LTSC 2021 (Enterprise)
Management Software	Canvas
Encryption	SSL/TLS
Client Software	Desktop & Web
Application Support	yes
API	HTTP REST or TCP
Picture Viewer	Yes
Scrolling Text	Yes
Clock	Yes, multiple time zones
OUTPUTS	
Interface	4x DisplayPort 1.4
Max Output Resolution Per GPU	Up to 3x 5120x3200 @60Hz (DP)
Max 4K Outputs	16 at 4K   3840 x 2160 at 60 Hz
Max 5K Outputs	12 at 5K   5120 x 2160 at 60 Hz
Max Windows per display	32
DIRECT INPUT OPTIONS	
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
4 Channel SDI Capture Board	12G-SDI on connectors 2 & 4 3G-SDI, HD-SDI, SD-SDI on all connectors
Hardware Decoding Board	2x: 3840 x 2160 @ 60Hz, 4x: 3840 x 2160 @ 30Hz, 8x: 1920 x 1080 @ 60Hz, 16x: 1920 x 1080 @ 30Hz, 30+ SD Streams
Software Decoding (per system)	1x 3840x2160 @ 60Hz, 3x 3840x2160 @ 30Hz, 6x 1920x1080 @ 60Hz, 12x 1920x1080 @ 30Hz, 30+ SD Streams
Protocols	MPEG2, MPEG4, H.264/H265 (RTSP)
DESK REMOTE INPUTS	
ScreenShare (Desktop Sharing)	2
VNC	Inputs: Up to 32 VNC Streams, Server: Software included Color Depth: Up to 32 bits per pixelbits per pixel
Web	Inputs: Up to 32 web pages Browser: Embedded Chrome** or Internet Explorer
CERTIFICATIONS	
Regulatory Certifications	CULus, FCC, ICES, TAA, BIS, WEEE



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