Jupiter C-Series

4K Display Wall Processors for Compact Deployments

Power, Performance, and Affordability

The Jupiter C-Series is a cost effective line of 4K display wall processors for the Canvas collaborative visualization software platform. Ideal for smaller installations, C-Series processors come fully pre-configured as stand-alone display wall processors with high performance hardware that can decode up to 8 IP streams and support up to 10 direct video connections. The C-Series also ships with the award winning Canvas collaborative visualization platform, automatically creating an enterprise-ready deployment that can be fully integrated with any other display wall processor or Canvas client.

Networked or Stand-Alone Solution

C-Series processors can be used as a stand-alone solution driving a single video wall, with other PC clients connected to the system so that operators can interact with the video wall. The system can also be integrated into a fully networked enterprise solution that is managed by the Canvas platform, enabling robust collaboration between video walls, operators, ancillary displays, and even mobile devices.

C-Series processors ship with Windows 10 for easy deployment within any environment, and they run all applications directly on the processor to utilize the full pixel resolution of the video wall. Capable of ingesting video data from any IP encoded source, direct video connection, or Windows 10 ready application, a C-Series processor is an extremely powerful, yet affordable, controller for running intense graphic applications with built-in hardware redundancy for mission critical applications.

See it All with Canvas

C-Series display wall processors ship with Canvas 5.4, the latest version of the award winning collaborative visualization suite. Canvas provides access to all of the visual business intelligence made available in the user's network—including live streams from network cameras and mobile devices, application screens from PCs, and real time data feeds. Remote colleagues can see, share, and collaborate using the same live information in a highly secure environment no matter what device they have in front of them.

The hardware supports the Canvas server directly on the Windows 10 operating system, or it can be integrated into Canvas enterprise deployments for multi-site collaborate on any device. The processor also includes redundant power supplies and hot-swap components for 24/7 control rooms.
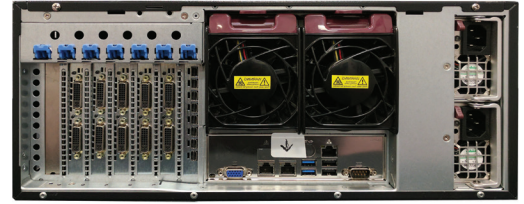
4K Input & Output Support

Capable of decoding up to 4 non-HDCP 4K signals, C-Series processors support input signals with a 4K DVI input card that leverages a DVI-D dual-link connector. The C-Series supports up to 4 non-HDCP 4K outputs on a single CPU Chassis. Each 4K display has a resolution of 3840 x 2160 pixels per mini DisplayPort interface. Onboard software decoding can decode any IP stream up to 4K resolution.

C-Series in Action

A C-Series processor is the ideal solution for small to medium size projects, supporting up to four 4K or eight 1080p displays. The 4 RU rack-mountable CPU Chassis has 6 PCI Express 3.0 slots, enabling very high bandwidth configurations. With software decoding, the C-Series can support up to 8 streaming HD inputs in one CPU Chassis. A C-Series processor is also valuable when users want to present content to an in-room audience outside of a Canvas session. With optional Dual-Link DVI Input Cards, up to 10 inputs are supported for display on the local display wall only. Inputs via the DVI connection are not shareable in Canvas.

Specifications*

	JUP-C1000	JUP-C1100	JUP-C1200	JUP-C1300	JUP-C1400	JUP-C1500
System Architecture Chassis	PCI Express 3.0 Chassis with 6 high speed slots for input, output cards					
CPU Board Processor	Intel E5 Quad Core Xeon CPU					
CPU Board System Memory	8 GB RAM					
Operating System	Windows 10 LTSB					
Software Platform	Canvas 5.3 and above					
Drives	256 GB Hard Drive					
Optical Storage	DVD-RW/CD-RW					
Network Interface: Ethernet	Standard dual 100/1000 Mbps RJ45 ports					
USB and Input Devices (USB)	USB 3.0 x 2, USB 2.0 x 4, 104-key keyboard and mouse					
Output Graphics Card	Outputs: Up to 8 1080p or 4 4K non-HDCP mini-DisplayPort 1.2 outputs Resolution: Digital: 3840 x 2160 pixels per output Color Depth: 32 bits per pixel					
Direct Inputs (All models support IP decoding, VNC decoding, web, and applications)	0 Direct Inputs	2 Direct Inputs	4 Direct Inputs	6 Direct Inputs	8 Direct Inputs	10 Direct Inputs
Input Capture Card	Inputs: 2 1080p @ 60Hz or 1 4K @ 30 Hz non-HDCP inputs Resolution: Digital: 3840 x 2160 pixels per input Pixel Rate: Digital: Up to 270 MHz Input Signal: Dual DVI-D Dual-link connector					
IP Decoding	Inputs: Up to 8 1920 x 1080 x 30 H.264 streams Inputs: Up to 2 3840 x 2160 x 30 H.264 streams Codec: MPEG2, MPEG4, H.264, RTSP, TS					
VNC Decoding	Inputs: Up to 8 VNC Streams Server: Software included Color Depth: Up to 32 bits per pixel					
Web	Inputs: Up to 8 web pages Browser: Embedded Chrome browser or Edge					
Applications	Inputs: Any application installed Parameters: Command line support					
API	HTTP, TCP					
DirectX	DirectX: DirectX 11.0 support					
Dimensions	7.00" H x 19" W x 25.5" D / 17.8 cm x 48.3 cm x 64.8 cm					
Orientation	Standard 19" rack mounted or tower with feet configuration					
Weight	40 lbs. / 18.2 kg					
Shipping Weight	50 lbs. / 22.7 kg.					
Operating Range - Temperature	32° – 104°F / 0° – 40°C, Non-operating: 14° – 150°F / -10° – 66°C)					
Humidity	10-90% non-condensing					
Altitude	Up to 10,000 feet / 3,048 m					
Electrical - Redundant Power Supplies	High efficiency (94%) with PMBus and I2C					
Input Voltage	100-240 VAC, auto-ranging power supply					
Line Frequency	50-60 Hz					
Power Consumption	500 Watts nominal					
Regulatory - United States	UL 60950 listed, FCC Class A					
Canada	cUL CSA C22.2, No. 60950					
International	CE Mark, CB Certificate, IEC 60950, CCC, Taiwan(BSMI), Japan(VCCI), Korea(KC), Russia (EAC), Belarus (EAC), Kazakhstan (EAC)					

* Product specifications, terms, and offerings are preliminary and subject to change at any time without notice.

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