J400
J-Series Video Wall Processor

Jupiter

Ideal for medium to large sized installations such as surveillance rooms, presentation auditoriums, sports & entertainment venues and digital signage.

- **Fully customizable 4RU chassis**
- **Up to 4 video walls per chassis**
- **Up to 12x FHD or 6 4K outputs**
- **Up to 32x FHD or 16 4K inputs**
- **Redundant CPU and PSUs**
- **Hot swappable I/O boards**
- **HDCP- compatible**
- **Flexible video wall layout in geometry & resolution**
- **No operating system means no viruses or updates**
- **Compatible with LCD, LED, cubes and projectors display technologies**
- **Open API platform for 3rd party control systems**
- **Warp and blend outputs across multiple projectors**

J-Series processors are an I/O appliance that can be used for any small or medium sized video wall application.
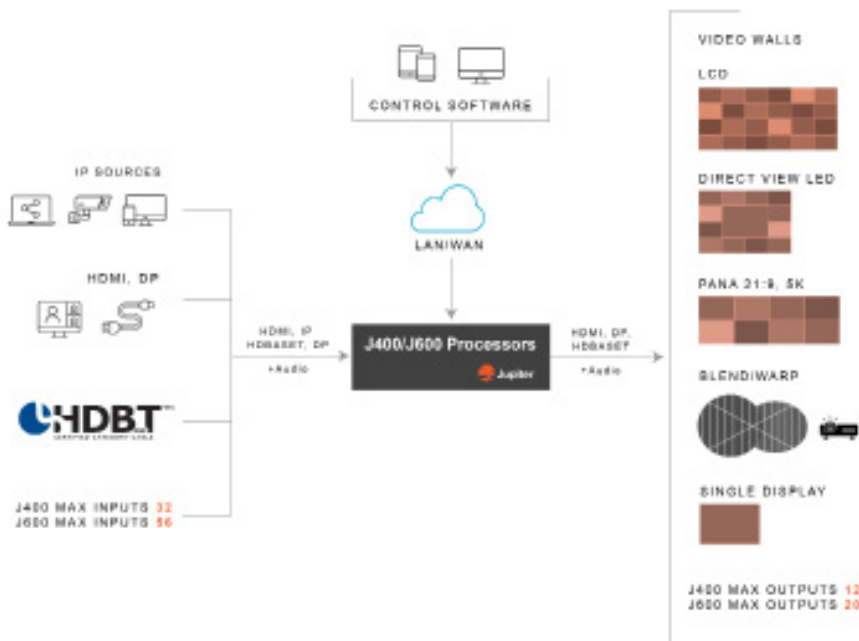
LightSpeed is the core technology that makes J-Series processors usable in any deployment.

Invest in Jupiter knowing all Jupiter processors are cross compatible and your investment is future protected.

Architecture of a J-Series Installation

SPECIFICATIONS		
Form Factor	4RU	
Power Consumption	550 W	
Max Input Slots	8	
Max Input Channels	32 (HD) or 16 (4K)	
Max Output Slots	3	
Max Output Channels	12 (HD or 4K)	
Redundant PSU	Optional	

SPECIFICATIONS		
OS	None	
Video walls per chasis	4	
Custom Resolution	Output and Input	
Color Space	RGB 4:4:4	
Bits per color	8	
Source Switching	≤ 20 ms	
Creating Window	≤ 16 ms	
Layouts	≤ 16 ms	
Operating Temperature	0°-50°C (32°-112°F)	
Operating Humidity	<90% (Non-condensing)	

CPU BOARDS		
Configuration	RJ45	
API	TCP or RS232	

INPUT BOARDS		
HDCP	1.4 & 2.2	
EDID	Custom EDID management	
HD DVI Input Board	4x channels of SL DVI-I	Up to 1920 x 1200 @ 60Hz
3GSDI HDMI Input Board	4x channels of SDI	Up to 1920 x 1080 @ 60Hz
HD HDMI Input Board	4x channels of HDMI 1.3	Up to 1920 x 1200 @ 60Hz
UHD30 HDMI Input Board	2x channels of HDMI 1.4	Up to 3840 x 2160 @ 30Hz
UHD60 HDMI Input Board	1x channel of HDMI 2.0	Up to 3840 x x2160 @ 60Hz
HDBaseT Input Board	4x channel of HDBT	Up to 1920x1200@60Hz

2 CHANNEL IP DECODING INPUT CARD (FOR EACH CHANNEL RJ45 INTERFACE)		
1 view	Decode up to 1 channel 4000x3000 @25Hz or 3840x2160 @30Hz	Single view, 4K30 output
2x2 view	Decode up to 4x channel 3840x2160 @30Hz	2x2 view, 4K30 output
3x3 view	Decode up to 9x channel 1920x1080 @30Hz	3x3 view, 4K30 output
4x4 view	Decode up to 16x channel 3840x2160@30Hz	4x4 view, 4K30 output

OUTPUT BOARDS		
Display Technology	LCD, LED, Cube, Projectors, Custom Resolutions	
HDCP	1.2 & 2.2	
HD DVI Output Board	4x channels of SL DVI-I	Up to 1920 x 1200 @ 60Hz
3GSDI HDMI Output Board	4x channels of SDI	Up to 1920 x 1200 @ 60Hz
HD HDMI Output Board	4x channels of HDMI 1.3	Up to 1920 x 1200 @ 60Hz
UHD30 HDMI Output Board	4x channels of HDMI 1.4	Up to 3840 x 2160 @ 30Hz
UHD60 HDMI Output Board	2x channels of HDMI 2.0	Up to 3840 x 2160 @ 60Hz
HDbaseT Ouput Board	4x channel of HDBT	Up to 3840x2160@30Hz (Cat5/6 70m max distance)

WARP BLEND OUTPUT BOARDS		
HD WB Input Board	4x channels of HDMI 1.3	Up to 1920 x 1200 @ 60Hz
4K WB Input Board	2x channels of HDMI 1.4	Up to 3840 x 2160 @ 30Hz
HD WB Output Board	4x channels of HDMI 1.3	Up to 1920 x 1200 @ 60Hz
4K WB Output Board	1x channel of HDMI 1.4	Up to 3840 x 2160 @ 30Hz

CERTIFICATIONS		
Regulatory Certifications	UL, CE, FCC	

MADE IN THE
USA

Jupiter

jupiter.com