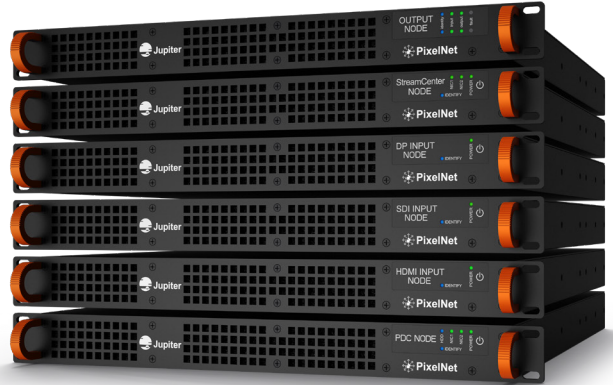


# PixelNet 2.0<sup>®</sup>

## Video Wall Processor

Easily visualize and control video walls that span multiple rooms, throughout a campus or across a city.

- **JITC Certified**
- **Canvas web client mimic**
- **100% redundant Layer 2 Infrastructure System**
- **Integrated KVM**
- **Unlimited video walls of any size and display.**
- **Unlimited 4K inputs**
- **IP Streams, Web & VNC support**



Native support for 4K video, fiber network. Video and audio for a scalable distribution system.

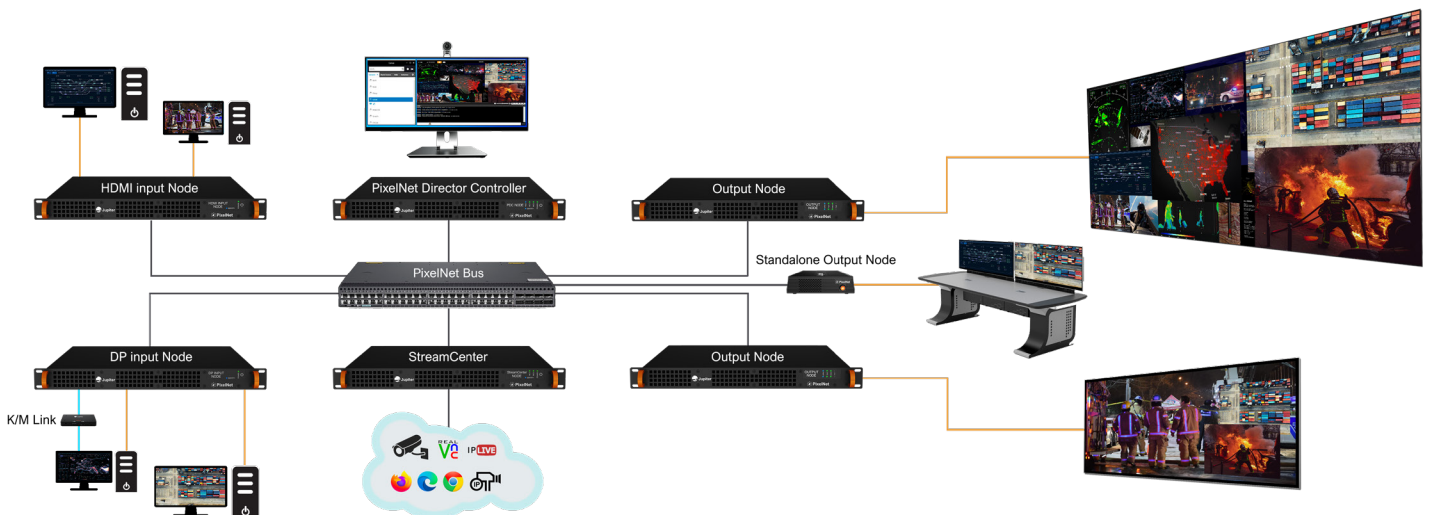


Supports an unlimited number of inputs and displays in multiple locations.



Enable real-time HD or 4K information display to a virtually unlimited number of screens at sites spanning a building, campus, or a continent.

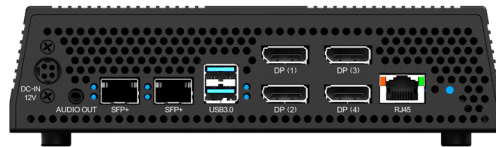
## Architecture of a PixelNet Installation





## PixelNet 2.0 PDC Server Specifications

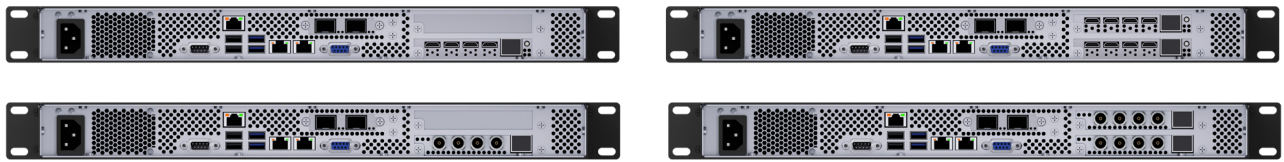
Form Factor	1U
Dimension	19.0" W x 17.0" D x 1.75" H (482.6mm x 431.8mm x 44.5mm)
Power Consumption	240w
Control Platform	Direct PDC/Canvas
CPU Processor	Intel Xeon Bronze 3204
Drive	250 SSD
Memory	16 GB RAM
Input Devices	2x USB 3.0 ports, 2x USB 2.0 ports
PN Bus Interface	1x 10G SFP+ ports
Network Interface	2x 1G RJ45
Operating System	Windows LTSC
API	TCP
Video Output Interface	VGA
Output Resolutions	1920 x 1080
Regulatory Certifications	cULus, FCC, TAA, CE, RCM, VCCI, BSMI, WEEE



## PixelNet 2.0 Output Node Specifications

	V2-8	V2-4	V2-SA
Form Factor	1RU		Desktop
Dimension	19.0" W x 17.0" D x 1.75" H (482.6mm x 431.8mm x 44.5mm)		7.6" W x 10.2" D x 1.9" H (193.6mm x 259.1mm x 49.4mm)
Power Consumption	240w		120w
Control Platform	Direct PDC/Canvas		
CPU Processor	AMD SOC V1000		
Input Devices	4x USB 2.0 ports		2x USB 2.0 ports
PN Bus Interface	2x 10G SFP+ ports		
Operating System	Embedded Linux		
Video Output Interface	DisplayPort		
Output Resolutions	8x 1920 x 1080 @ 60Hz 4x 3840 x 2160 @ 30Hz 2x 3840 x 2160 @ 60Hz *2x 5120 x 2160 @ 60Hz		4x 1920 x 1080 @ 60Hz 2x 3840 x 2160 @ 30Hz 1x 3840 x 2160 @ 60Hz *1x 5120 x 2160 @ 60Hz
Audio	2x 3.5 mm TRS		3.5 mm TRS
KVM	Workstations, Web Browser and VNC		
Regulatory Certifications	cULus, FCC, TAA, CE, RCM, VCCI, BSMI, WEEE		cULus, FCC, TAA, CE, WEEE

\*Not supported in redundant mode



# PixelNet 2.0 Input Node Specifications

	HDMI-8	HDMI-4	SDI-8	SDI-4
<b>Model Names</b>	PN2 INPUT NODE HDMI-8/NE	PN2 INPUT NODE HDMI-4/NE	PN2 INPUT NODE SDI-8/NE	PN2 INPUT NODE SDI-4/NE
<b>Form Factor</b>	1RU			
<b>Dimension</b>	19.0" W x 17.0" D x 1.75" H (482.6mm x 431.8mm x 44.5mm)			
<b>Power Consumption</b>	240w			
<b>Control Platform</b>	Direct PDC/Canvas			
<b>CPU Processor*</b>	Intel Xeon Bronze 3204			
<b>Input Devices</b>	2x USB 3.0 ports, 2x USB 2.0 ports			
<b>PN Bus Interface</b>	2x 10G SFP+ ports			
<b>Operating System</b>	Embedded Linux			
<b>Video Input Interface</b>	HDMI	HDMI	SDI	SDI
<b>Input Resolutions</b>	8x @ 1920 x 1200 @ 60Hz 4x @ 3840 x 2160 @ 30Hz 2x @ 3840 x 2160 @ 60Hz	4x @ 1920 x 1200 @ 60Hz 4x @ 3840 x 2160 @ 30Hz 2x @ 3840 x 2160 @ 60Hz	8x @ 1920 x 1200 @ 60Hz 4x @ 3840 x 2160 @ 30Hz 2x @ 3840 x 2160 @ 60Hz	4x @ 1920 x 1200 @ 60Hz 2x @ 3840 x 2160 @ 30Hz 2x @ 3840 x 2160 @ 60Hz
<b>Audio</b>	-			
<b>KVM</b>	Up to 4 computers with K/M Links			
<b>Regulatory Certifications</b>	cULus, FCC, TAA, CE, RCM, VCCI, BSMI, WEEE			

\*All JITC compliant Input Nodes are equipped with Intel Xeon Silver 4210R



# PixelNet 2.0 Input Node Specifications Continued

	DP-4	DP-2
<b>Model Name</b>	PN2 INPUT NODE DP-4/NE	PN2 INPUT NODE DP-2/NE
<b>Form Factor</b>	1RU	
<b>Dimension</b>	19.0" W x 17.0" D x 1.75" H (482.6mm x 431.8mm x 44.5mm)	
<b>Power Consumption</b>	240w	
<b>Control Platform</b>	Direct PDC/Canvas	
<b>CPU Processor*</b>	Intel Xeon Bronze 3204	
<b>Input Devices</b>	2x USB 3.0 ports, 2x USB 2.0 ports	
<b>PN Bus Interface</b>	2x 10G SFP+ ports	
<b>Operating System</b>	Embedded Linux	
<b>Video Input Interface</b>	DisplayPort	
<b>Input Resolutions</b>	4x @ 1920 x 1200 @ 60Hz 2x @ 3840 x 2160 @ 60Hz	2x @ 1920 x 1200 @ 60Hz 2x @ 3840 x 2160 @ 60Hz
<b>KVM</b>	Up to 4 computers with K/M Links	
<b>Regulatory Certifications</b>	cULus, FCC, TAA, CE, RCM, VCCI, BSMI, WEEE	

\*All JITC compliant Input Nodes are equipped with Intel Xeon Silver 4210R



## PixelNet 2.0 K/M Link Specifications\*

Form Factor	Utility
Dimension	2.9" W x 1.4" D x 0.5" H (73.7mm x 35.6mm x 12.0mm)"
Power Consumption	200mW
Control Platform	Direct PDC/Canvas
CPU Processor	BCM2835
Memory	512 MB
Input Devices	2x micro USB port
Operating System	Embedded Linux
Regulatory Certifications	FCC, CE, WEEE

\*Using K/M requires 4K60/HD60 system configuration only



## PixelNet 2.0 StreamCenter Specifications

Form Factor	1U
Dimension	19.0" W x 17.0" D x 1.75" H (482.6mm x 431.8mm x 44.5mm)"
Power Consumption	240w
Control Platform	Direct PDC/Canvas
CPU Processor	Intel Xeon Silver 4210R
Drive	250 SSD
Memory	16 GB RAM
Input Devices	2x USB 3.0 ports, 2x USB 2.0 ports
PN Bus Interface	2x 10G SFP+ ports
Network Interface	2x 1G RJ45
Operating System	Linux (Ubuntu 20.04 or CentOS 7)
Streaming Video Codecs support	H.264, H.265, MPEG4 (sources)
Streaming Channels	16x 1920 x 1080 @ 30Hz 8x 1920 x 1080 @ 60Hz 4x 3840 x 2160 @ 30Hz 2x 3840 x 2160 @ 60Hz
Web Browser	16x Web Browsers (with KVM)
VNC	16x VNC (with KVM)
Regulatory Certifications	cULus, FCC, TAA, CE, RCM, VCCI, BSMI, WEEE