

# PixelNet®

## Video Wall Processor



The PixelNet Series is ideal for small to unlimited sized installations such as operational control rooms, military and government command centers, surveillance rooms & utility and energy centers. Mission critical operations requires the best in class hardware and software that always deliver the right solution.

- **100% redundant AV over IP system**
- **Integrated KVM**
- **Unlimited video walls and displays**
- **Unlimited 4K inputs**
- **Unlimited IP Streams**
- **Web & VNC support**
- **Visualize and control video walls that span multiple rooms**
- **Native support for 4K video**
- **Uncompressed Video Output**



Native support for 4K video, fiber network. Audio for a scalable and ultra HD video distribution system.

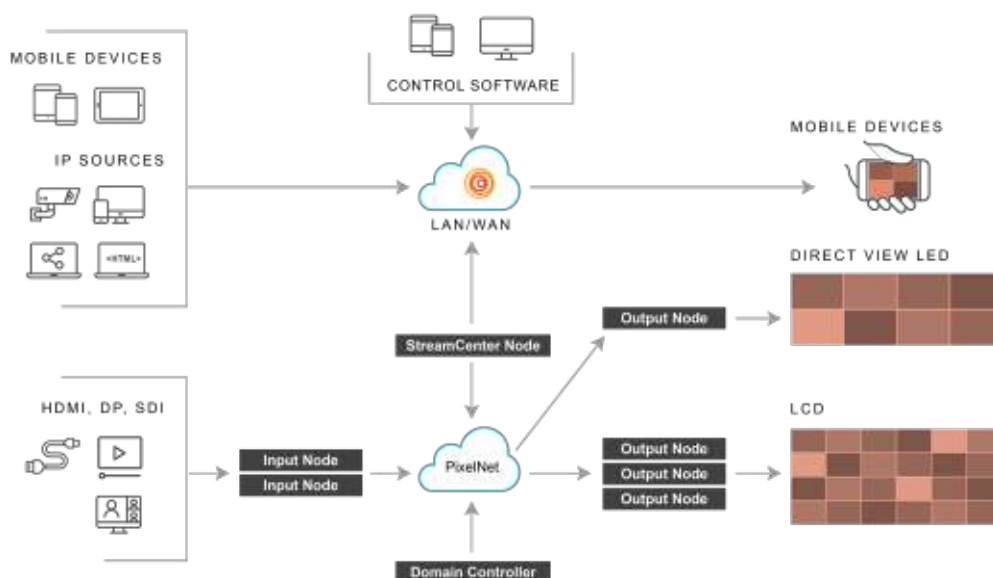


Supports an unlimited number of inputs and displays in multiple locations.



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 Specifications

PIXELNET NODES	
Form Factor	1RU
Power Consumption	400 W
PIXELNET DOMAIN CONTROLLER	
Control Platform	Canvas
CPU Processor	Intel Xeon Processor E5-1620 v4
Drive	256 SSD
Memory	16 GB RAM
Input Devices	4x USB 3.0 ports, 8x USB 2.0 ports
Operating System	Windows 10
API	TCP (Backwards compatible with PixelNet Gen 1)
Video Output Interface	VGA
Output Resolutions	1920 x 1080
INPUT NODES	
Audio	Yes
KVM	Up to 4 computers with K/M Link
FHD HDMI Node	8x @ 1920 x 1200 @ 60Hz
UHD HDMI Node	4x @ 3840 x 2160 @ 30Hz
UHD DP Node	2x or 4x 3840 x 2160 @ 60Hz
3G SDI Node	8x @ 1920 x 1200 @ 60Hz
12G SDI Node	4x @ 3840 x 2160 @ 60Hz
OUTPUT NODES	
Audio	Yes
KVM	Workstations, Web Browser and VNC
Video Output Interface	DisplayPort
FHD Output Node	6x 1920 x 1080x60 or 3x 1080P30
UHD Output Node	4x 3840 x 2160 @ 30Hz, 2x 3840 x 2160 @ 30Hz, 2x 3840 x 2160 @ 60Hz or 1x 3840 x 2160 @ 60Hz
STREAMCENTER NODE	
Audio	Yes
Network Interface	2x 1G RJ45
Streaming Video Codecs	H.264, H.265, MPEG4
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)
SWITCHES	
Uplink	24 or 48 10G SFP+ ports
Backbone	32 100G QSFP28 ports
CERTIFICATIONS	
Regulatory Certifications	UL, TAA, CE, FCC



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