PixelNet®
DVI Input Node

PixelNet DVI Input Node

The PixelNet DVI Input Node captures analog (RGB) and digital (DVI) signals from computer sources at resolutions up to 2048x1200, automatically recognizing the input signal for plug-and-play simplicity. The DVI Input Node provides a loop-through connection for a local monitor avoiding the need for an interface, and will work equally well without a monitor with built-in EDID generation. The DVI Input Node is small and can be placed on, or mounted under, a desk or mounted in a rack using the optional rack mount tray.

Part of the PixelNet Distributed Display Wall System

PixelNet is simplicity itself. A PixelNet network is comprised of input nodes to capture various types of video signals, output nodes to drive display devices, and switches to interconnect them. Add inputs, displays, and standard CAT6 network cabling. That's about it.

Input and output signals can be either digital or analog, to meet the interface requirements of the attached devices. But remember, inside the PixelNet domain signals are always digital and can be transmitted long distances without degradation. All video processing is done in the digital domain including cropping, scaling, de-interlacing and noise reduction.

A Seriously Flexible and Expandable System

PixelNet is all about scalability. The same component parts can scale from a single input distributed to a single output to literally hundreds of inputs and outputs. Outputs can be defined as a single display or logically grouped together to create one or more display walls.

Need to add another input? Add another PixelNet input node. Expanding the display wall? Add a PixelNet output node for each new display.

PixelNet

Jupiter

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Specifications

A **DVI-I Loop-Through Connector**

B **EDID Selection Switch**

C **DVI-I Input Connector**

D **USB Type A Connector**

E **PixelNet Port 1 (1 Gbps, RJ45)**

F **PixelNet Port 2 (1 Gbps, RJ45)**

G **12V DC Power Connector (screw-on, female)**

PixelNet DVI Input Node

DVI and Analog RGB Input Node for PixelNet

Captures signals up to 2048x1200 resolution and up to165 MHz pixel rate

Captures analog or digital progressive scan RGB signals

Provides analog-to-analog and digital-to-digital loop-through

Choice of external (loop-through) or internal EDID

Automatic format detect for Plug-and-Play simplicity

Dual Gigabit PixelNet ports

Input Signal Specifications	
Range:	Resolutions up to 2048x1200 are supported
Signal Type:	Analog (RGB) or digital (DVI, single link)
Pixel Rate:	Up to 165 MHz
Input Signal Processing	Proprietary Jupiter PixelNet™: scaling, crop and zoom
Output Connector	Dual PixelNet Ports, 1Gbps Ethernet, RJ45 Copper Connector
Ordering Information	
Model 2-540-168-00	PixelNet DVI Input Node
Dimensions	
L x W x H (without feet)	9.25" (235mm) x 6.435" (164.5mm) x 1.415" (35.94mm)
L x W x H (with feet)	9.25" (235mm) x 6.435" (164.5mm) x 1.670" (42.42mm)
Weight	2.5 lbs.
Shipping weight	3.5 lbs.
Operating Range	
Temperature	32°F – 104°F (0°C – 40°C)
Humidity	Up to 90% non-condensing
Altitude	Up to 10,000 feet (3,048m)
Electrical Requirements	
Input voltage	100-240 VAC, auto-ranging power supply
Line frequency	50–60Hz
Power consumption	350 watts, maximum
Features	Supports analog (RGB) and digital (single link DVI) inputs

The PixelNet System

1 Display Wall
Each display in the wall is connected to a PixelNet TeamMate output node.

2 PixelNet TeamMate Output Nodes
A PixelNet Audio output node can also be connected if audio playback is desired.

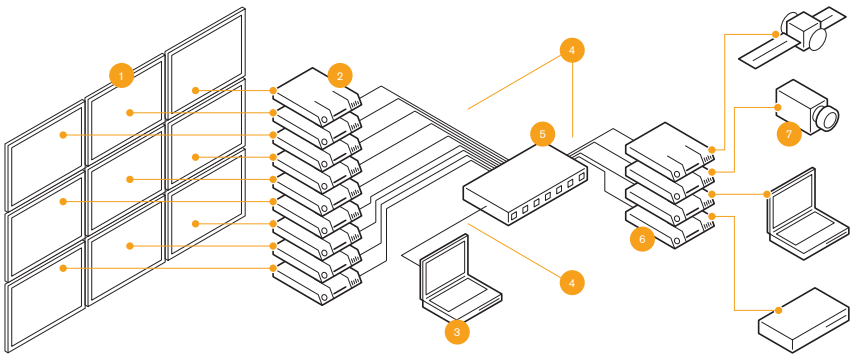
3 PixelNet Domain Control (PDC)
Powerful drag-and-drop system management software running on a PC connected to the PixelNet Switch.

4 CAT6 Cables
Inexpensive Ethernet cables, up to 100m in length.

5 PixelNet Switch
All PixelNet input and output nodes are connected to the switch, as well as a PC running PDC.

6 PixelNet Input Nodes
Sources are matched to appropriate input nodes.

7 Sources
Cameras, PCs, media players, sensors, etc.



Jupiter

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