

PixelNet®

Quad SD Input Node



PixelNet Quad SD Input Node

The Quad Composite Video Broadcast Standard and S-Video (CVBS-Y/C) Input Node captures standard definition video (480i, 576i). Four composite or two S-Video inputs can be processed simultaneously. When two of these nodes are combined with the

Jupiter Streaming Video System, the combination provides 8 uncompressed and perfectly processed network streamed video inputs into a PixelNet system.

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.

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.

Input and output signals can be either digital or analog, to meet the interface requirements of the attached

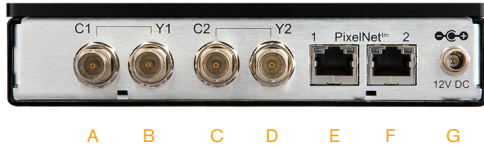
A Seriously Flexible and Expandable System

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 Quad SD Input Node

Specifications



- A** Composite Input 1 or Chroma Input 1, BNC (female)
- B** Composite Input 2 or Luminance Input 1, BNC (female)
- C** Composite Input 3 or Chroma Input 2, BNC (female)
- D** Composite Input 4 or Luminance Input 2, BNC (female)
- E** PixelNet Port 1 (1 Gbps, RJ45)
- F** PixelNet Port 2 (1 Gbps, RJ45)
- G** 12V DC Power Connector (screw-on, female)

PixelNet Quad SD Input Node

Quad Standard Definition Video Input Node for PixelNet

Handles composite and S-video standard definition video via CVBS/Y-C

Supports PAL and NTSC encoding formats

Four BNC inputs, configurable as four composite or two S-video

Supports up to eight PixelNet windows

Superior quality de-interlacing

Dual Gigabit PixelNet ports

Inputs

Range: From 480i to 576i
Signal Type: NTSC or PAL
Connectors: Four BNC inputs, configurable as four composite or two S-video

Input Signal Processing

Proprietary Jupiter PixelNet™: scaling, crop and zoom

Output Connector

Dual PixelNet Ports, 1Gbps Ethernet, RJ45 Copper Connector

Ordering Information

Model 2-540-214-00 PixelNet Quad SD 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 10 – 90% non-condensing
Altitude Up to 10,000 feet (3,048.0m)

Electrical Requirements

Input voltage 100-240 VAC, auto-ranging power supply
Line frequency 50–60Hz
Power consumption 350 watts, maximum

Features

Automatic operation, self identifying, self-configuring, hot swappable

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

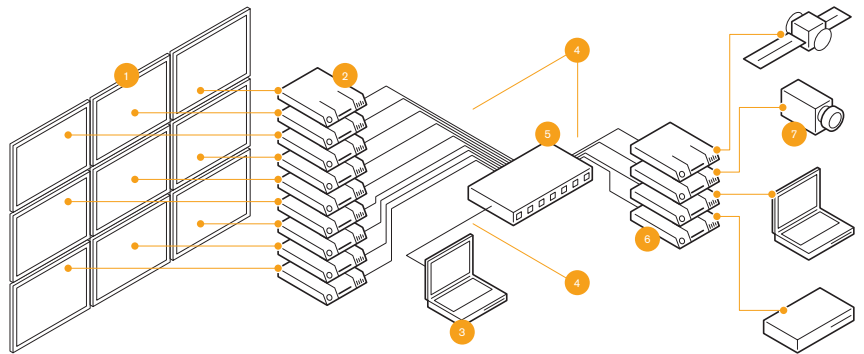
All PixelNet input and output nodes are connected to the switch, as well as a PC running PDC.

6 PixelNet Input Nodes

Sources are matched to appropriate input nodes.

7 Sources

Cameras, PCs, media players, sensors, etc.



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