PixelNet®
Audio Output Node

PixelNet Audio Output Node

The PixelNet Audio Output Node routes audio associated with video data captured at audio-capable PixelNet input nodes (3G-SDI and Analog HD input nodes). Audio configurations are saved as part of PixelNet Domain Control layouts and are automatically recalled when the associated layout is selected. S/PDIF or AES3id digital audio can be transferred optically over fiber optic TOSLINK F05 connectors or via copper BNC 75 Ohm coax cables. Both stereo and 5.1 channel audio are supported.

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.

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Specifications

A B C D E F

A **1/4" TRS Jack, Right Channel**

B **1/4" TRS Jack, Left Channel**

C **BNC, AES3id or S/PDIF (female)**

D **TOSLINK F05, S/PDIF**

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

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

PixelNet Audio Output Node

Superb Audio from PixelNet 3G-SDI and Analog HD Nodes

Supports stereo and 5.1 channel audio

Outputs digital audio via BNC (75 Ohm copper connector, AES3id or S/PDIF) and TOSLINK F05 (optical, S/PDIF)

Outputs analog audio via 1/4" TRS Jacks (line level stereo)

Captures audio from any audio-capable PixelNet Input Node (3G-SDI and Analog HD nodes)

Single Gigabit PixelNet port

Output Signal Specifications	
Frequency Response:	4 Hz - 22 KHz (48 KHz sampling), 4 Hz - 44 KHz (96 KHz sampling)
Signal-to-Noise Ratio	-100dB
Dynamic Range:	110dB
Total Harmonic Distortion:	0.003%
Inputs	1/4" TRS (Analog), BNC (AES3id or S/PDIF, TOSLINK F05 (S/PDIF)
Outputs	Single PixelNet Port, 1Gbps Ethernet, RJ45 Copper Connector
Ordering Information	
Model 2-540-209-00	PixelNet Audio Output 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	Supports stereo and 5.1 channel audio

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.

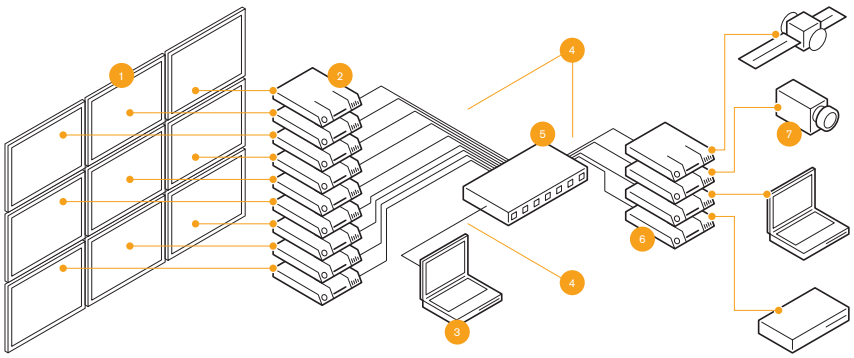
3 PixelNet Domain Control (PDC)
Powerful drag-and-drop system management software running on a PC connected to the PixelNet Switch.

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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