DIGISYN LINK
AES67 & DSP built-in

DLS-001/002

4 x 4 AES67 DSP Network PoE Speaker Series

DL-04 AES67 Module

DSP Extensive DSP

RAVENNA Partner

Technical Features

- Two-way professional conference speaker, featuring a 6-inch mid-woofer and a dome tweeter.
- Capable of accepting AES67 / DIGISYN LINK / RAVENNA
- Extensive DSP functionalities including:l crossover, high/low-pass filters, EQ, FIR filters, and volume control.
- Equipped with a 100M PoE network interface, supporting direct power supply via PoE++ (60W) switches.
- Includes free DIGISYN LINK3 control software for speaker DSP management and parameter control.

DLS-001

PoE Network Ceiling Speaker

DLS-002

PoE Network Wall-Mounted Speaker

Magnetic Grille Design for Easy Installation

The DLS-001 speaker features a magnetic grille design that is both convenient and quick, making the installation process simple and enjoyable. Without the need for complicated steps, just gently place the speaker and let the magnetic force secure it in place. Insert a standard Cat5 or higher network cable to complete the setup, offering a delightful installation experience with networked audio equipment.

High Sensitivity and Dynamic Headroom Design

The DLS series speakers stand out with their exceptional high sensitivity and dynamic headroom design, ensuring that every detail and layer of the sound is fully revealed. This allows listeners to immerse themselves more deeply in music or other media content, enjoying a richer audio experience.

High-Fidelity Sound Reproduction

Utilizing advanced constant impedance design, the DLS speakers are dedicated to delivering the purest and most high-fidelity sound reproduction. This means that no matter what type of audio content you play, you can achieve detailed, clear, and authentic sound quality, allowing every note to shine. The design provides users with a broader and more uniform sound field coverage. This not only enhances the consistency of sound delivery but also ensures excellent audio performance in various environments and layouts, meeting the needs of diverse usage scenarios.

Built-In Powerful DSP Processing Capabilities

The DLS series speakers come equipped with robust DSP (Digital Signal Processing) capabilities, enabling advanced audio tuning and optimization for superior sound performance in any application.

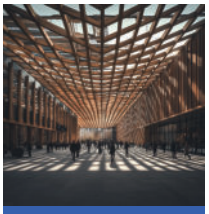
Key Features

- 48 kHz sampling rate 32-bit depth
- Alli in one DSP computing core
- Support BT protocol (peak 60W)
- High sensitivity constant resistance design
- Optimize frequency response and phase
- Multiple DSP preset programs available

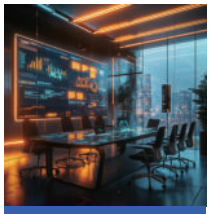
EQ: 16-Band | Delay: 2 Seconds | Compression | High-pass/Low-pass | FIR (512 Taps)

Limiter | Noise Gate | Signal Gen | Auto-Mixing (Threshold/Gain Sharing) | Ducker

Applications

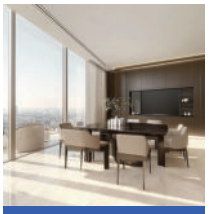


Public Adress



Education

Conference

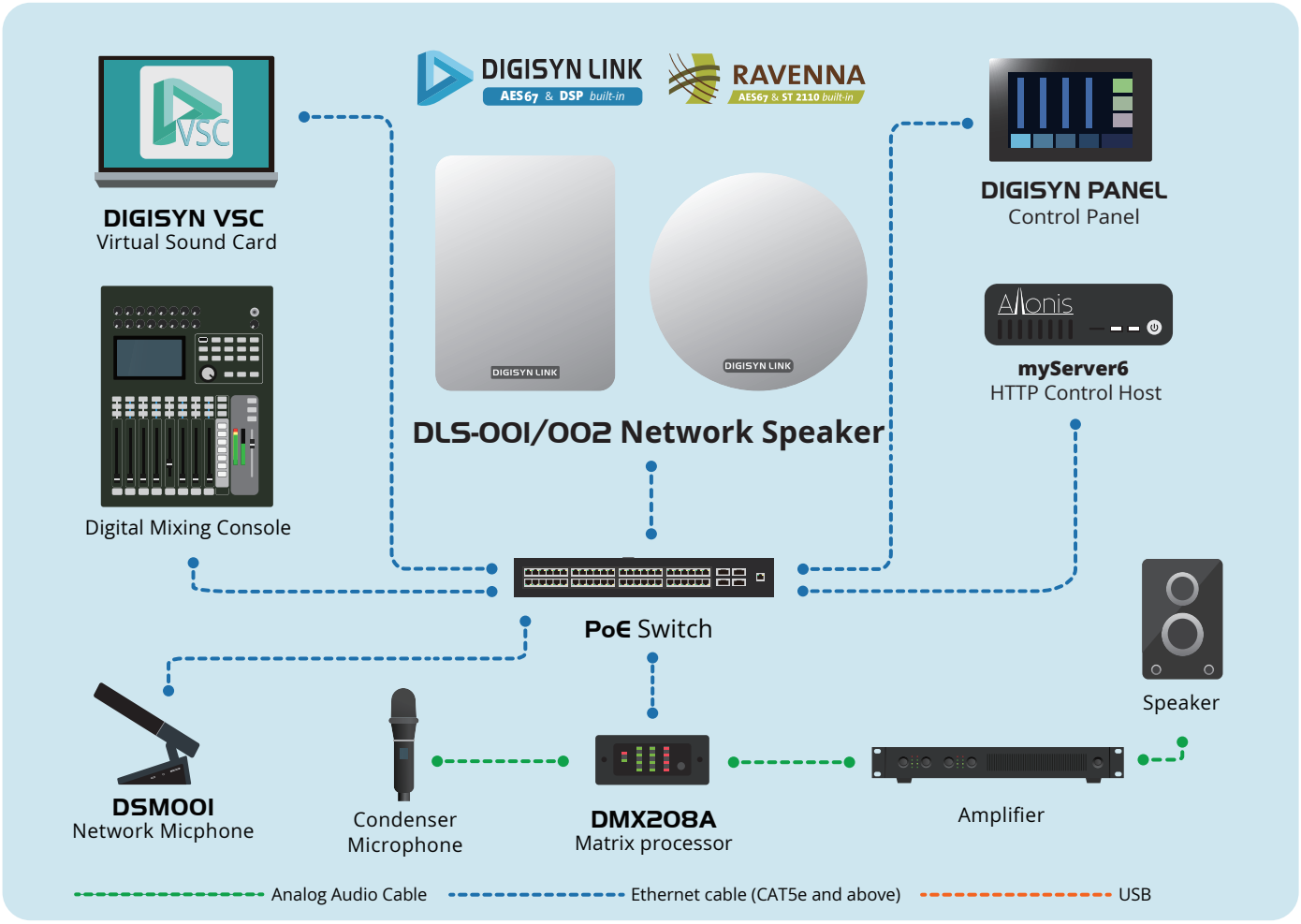


Smart Home

Digisynthetic Co., Ltd
17F Nansha International Talent Port,
167 Haibin road, Guangzhou, China
www.digisynthetic.com
Market@digisynthetic.com

V1.0.0 Copyright © 2025 Digisynthetic Co.,Ltd

Topology Diagram



Technical Specifications

Model	DLS-001 / DLS-002
Power supply	Powered by POE supply, compliant with IEEE 802.3 bt standard (60 W)
AES67 net-	4 x 4 AES67 network channels
work chan-	Support per-channel customizable DSP functions
nels	30W@4Ω
DSP process-	60W@4Ω
ing	6.5-inch woofer + 1-inch tweeter
POE rated	4.05 kg / 3.50 kg
Power	
POE peak	Active
power	90 Hz - vertical nominal beam width:
Dimensions	Nominal sensitivity @ 1m:
Net weight	Horizontal x vertical
Driver units	120° cone
Operating	Nominal sensitivity @ 1W 87 dB @ 2.83V 83 dB
modes	Nominal maximum SPL @ 1m:

V1.0.0 Copyright © 2025 Digisynthetic Co.,Ltd