DIGISYN LINK
AES67 & **DSP** *built-in*

DSM00I
4x4 AES67 DSP PoE Network microphone

The top choice for network mic
The DSM001 combines advanced acoustic technology with a compact design to provide conference users with leading network audio metrics and outstanding DSP performance, meeting high-quality audio capture requirements.

48 / 96 kHz high-fidelity audio
The DSM001 supports high-definition sampling rates of 48/96 kHz, with automatic channel selection, a flexible range from 0.5 to 6 milliseconds, and options for 16, 24, or 32-bit resolution to enhance the clarity and accuracy of audio recording.

Frequency Response & Noise Control
The DSM001 covers 20-20 kHz, users adjust response by attenuating lows (0-42 dB). Using Limit wave & Adaptive filtering ensures high-quality audio with SNR ≥ 50dB @ 1 kHz, making key details more distinct.

Audio Processing & Noise Reduction
The DSM001 features top DSP audio processing: AEC for echo cancellation, ANS for noise reduction, AGC for gain control, and AFC for feedback suppression. Dual microphone noise reduction minimizes interference, ensuring high-quality audio recording in diverse environments.

Control & Connectivity
The DSM001 supports 12V DC 1.5A adapter power, PoE, a 3.5mm headphone jack, and 100 Mbps network connectivity for versatile wiring and control options.
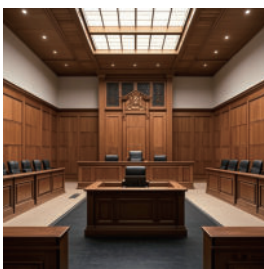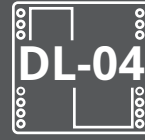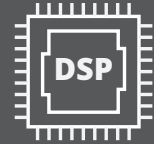
Applications

Broadcast	Conference	Court Recording

DL-04
AES67 Module

DSP
Extensive DSP

RAVENNA
Partner

Key Features

- 1ms network latency, lossless audio transmission, up to 96 kHz sampling rate.

- With DIGISYN VSC AES67, send DSM00I's 4x4 network channels to compatible Windows PC for seamless integration with Tencent Meeting and Zoom.

- Powerful DSP processing:

AFC
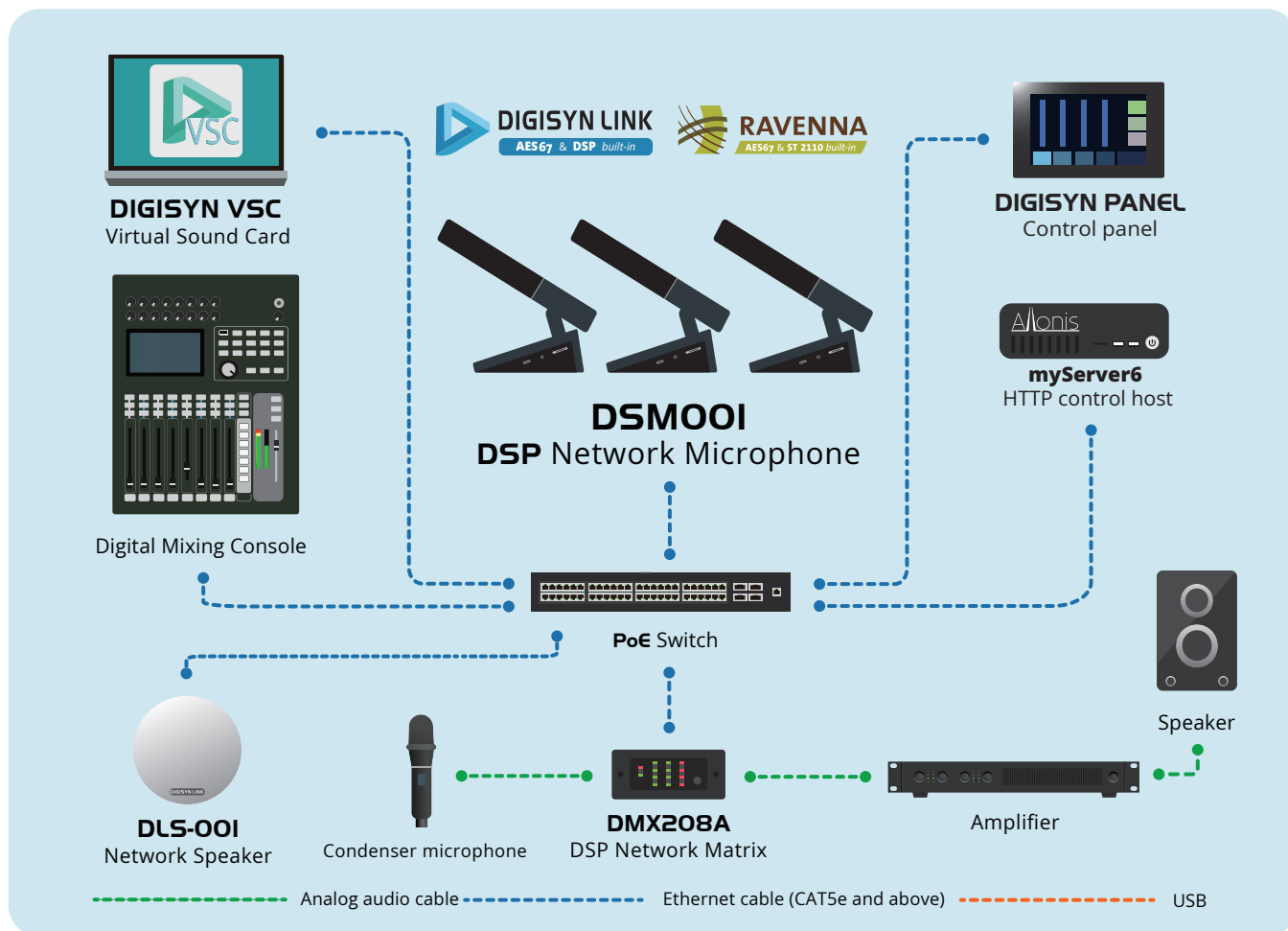Adaptive Feedback Compensation

AEC	AGC
ANS	FBE

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Topology Diagram

Technical Specifications

Audio Parameters	
Sampling Rate	48 / 96 kHz
Network Latency	0.5 - 6 ms
Bit Depth	16 / 24 / 32 bit
Frequency Response	20 - 20 kHz
Gain	0 / 6 / 12 / 18 / 24 / 30 / 36 / 42 dB (8-Level Selection)
Feedback Suppression	Limit wave filtering/ Adaptive filtering
CMRR	≥50dB @ 1 kHz, re: +4dBu
AEC	Frequency Response: 8-22kHZ, Tail Time: 128-300 ms, Convergence Speed: >30 dB/sEcho Cancellation Capability: >65 dB (linear + non-linear)
NR	4 Options: 0 - 6dB / 0 - 9dB / 0 - 16dB / 0 - 65dB (Dual Microphone Noise Reduction)
Physical Buttons	Volume Knob, Mute Button
Power	12V DC 1.5A Adapter Power, PoE Power
Analog Interfaces	3.5 mm Headphone Jack
Network Bandwidth	100 Mbps