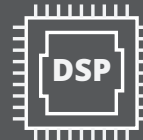


DMX208A

4 x 4 AES67 Network DSP Matrix Processor



AES67 Module



Extensive DSP



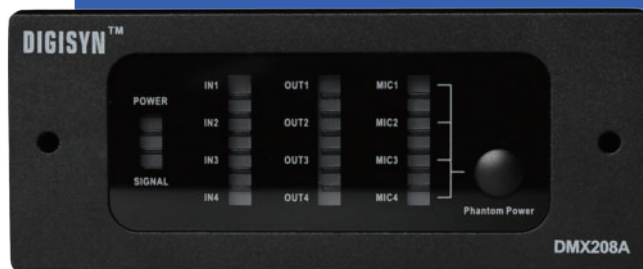
Partner

Ever-Iterating AES67 Devices

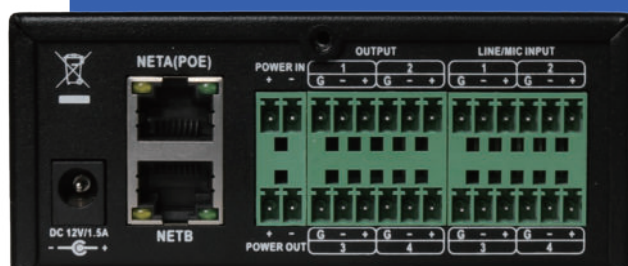
The DMX208A is a powerful AES67 network audio matrix that supports communication with other AES67 devices. It enables full-system audio routing, device configuration, real-time monitoring, and DSP management through the All-in-one software. With support for DSP customization and OTA upgrades, it ensures continuous updates and functional optimization of the device.

Hi-End ADC / DAC

The DMX208A operates independently, auto-assigns IPs, and supports lossless audio (96kHz/32bit). It includes Hi-End ADC/DAC, a visual interface, auto-routing recovery, and 48V phantom power, functioning as an input interface box.



DMX208A Front



DMX208A Back

Comprehensive DSP Functions

EQ: 16-Band

Delay: 2 Seconds

Compression

High-pass/Low-pass

FIR (4096 Taps)

Limiter

Noise Gate

Signal Gen

Auto-Mixing (Threshold/Gain Sharing)

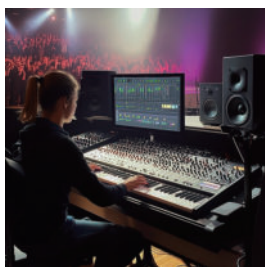
Ducker

Acoustic Echo Cancellation

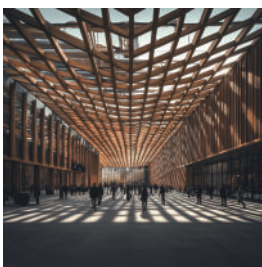
Automatic Noise Suppression

Automatic Gain Control

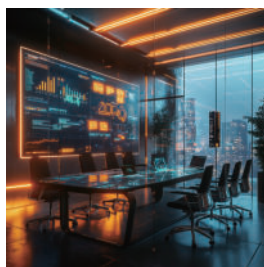
Applications



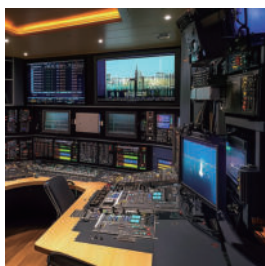
Live Music



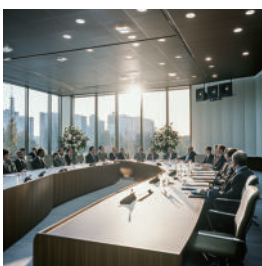
Public Address



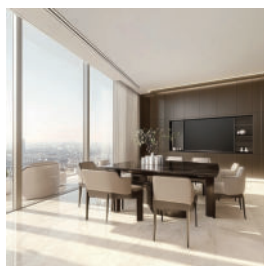
Smart Education



Broadcast



Conference



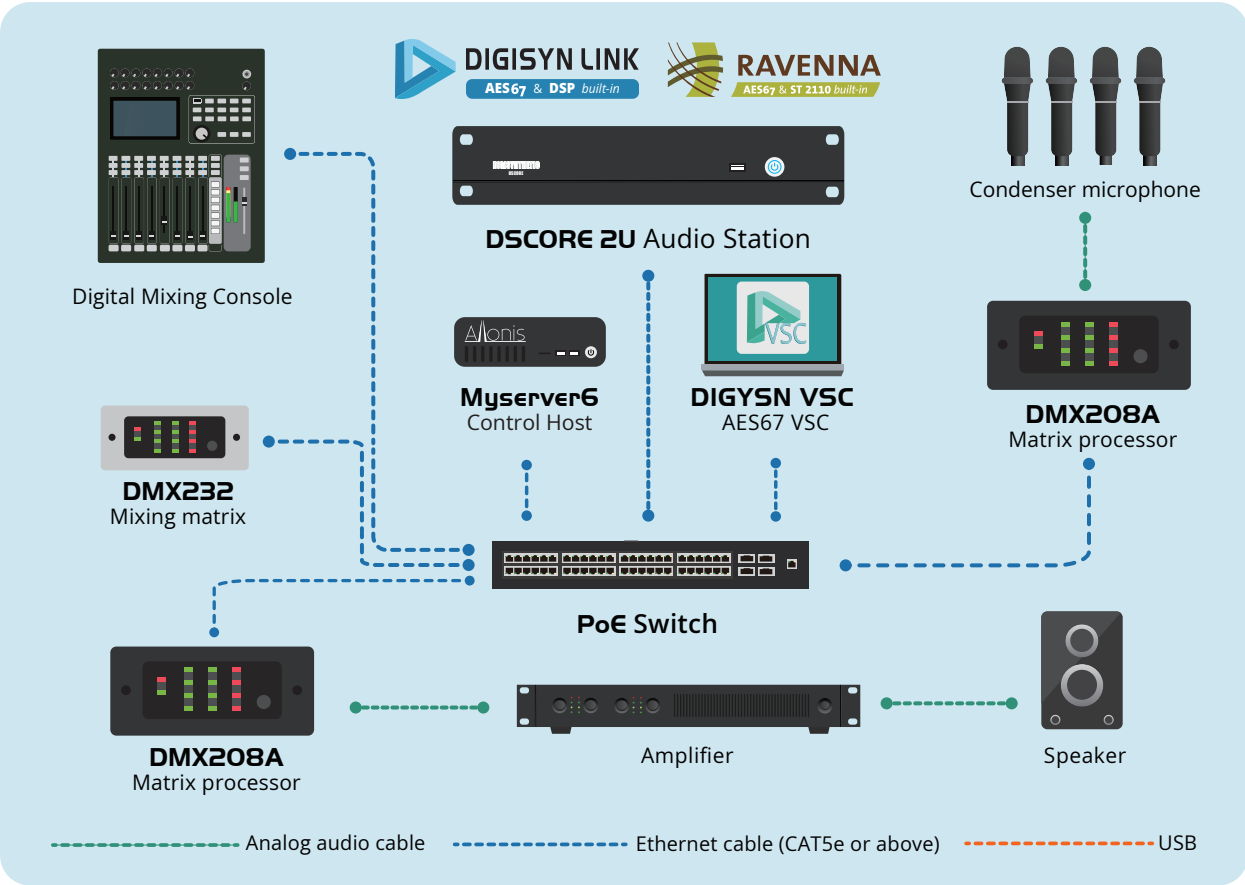
Smart Home

Key Features

- The form factor of a 1/4 rack unit
- 96 kHz sampling rate, 32-bit depth
- 4A algorithms: AGC ANS AEC AM
- Input supports 48V phantom power
- 8 x 8 automatic mixing matrix
- Compatible with DSCORE, can be combined into a massive audio network.

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

Topology Diagram



Technical Specifications

Audio Functions	
Sampling rate	48 / 96 kHz
Network latency	1 ~ 6 ms
Bit depth	16 / 24 / 32 bit
Channel isolation	84 dB, A-weighted, re+4 dBu
Frequency response	±0.3 dB 20 Hz - 20 kHz
Maximum input/output level	14 dBu @ 1 kHz, THD+N ≤ 1%
Dynamic range	110 dB, A-weighted
Mic preamp gain	0 / 15 / 20 / 24 dB
CMRR	≥50 dB @ 1 kHz, re+4 dBu
THD+N	0.005% @ re+4 dBu, A-weighted, 1 kHz
Hardware	
Analog channels	4 in 4 out
Network channels	4 in 4 out
Power supply	12V DC 1.5A / PoE power supply
Phantom power	48V 10mA ripple ≤ 10mV
Analog interfaces	Phoenix connectors
Network	100 Mbps
Dimensions	108 x 149 x 45 mm
Net weight	0.7 kg