

DMX-208

Network Audio Matrix



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8 x 8 Channel Network Audio Matrix

Features: 8 IN 8 OUT Channels (4 Analog Channels / 4 Network Channels);

AES67 Protocol, Powerful DSP Function support OTA Upgrade & Splice,

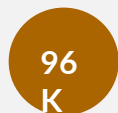
Combine More Channels freely*



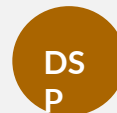
Ultra-low
Latency



Sub-microsecond
Synchronization



96
K
48/96KHZ
Sampling Rate



Powerful DSP
Functions

Powerful, Flexible, Smart

DMX208 is an unprecedented network audio matrix. It can communicate with other network devices based on AES67, and support to use the powerful all-in-one software to manage all the signal routes and DSP functions of DigisynLink™ equipments in the network. DMX208 supports DSP customization and OTA upgrades, which means that the device can be kept pace with the times and more powerful software functions can be added continuously.

Advantages

- Compatible with AES67 protocol. There is no need to rely on switches to automatically allocate IP and discover devices.
- Customizable powerful DSP functions.
- Full visual operation interface: signal routing, equipment commissioning management
- Resume signal routing automatically after power and network failure
- Lossless audio transmission, maximum 192K sampling rate supported , Hi-End Class ADC/DAC
- Support 48v phantom power supply
- OTA upgrades, functions can be constantly updated

DSP Studio Software and Algorithms Always Keep Pace with the Times

Freely combined DSP functions: EQ, delay, gain, AFC, etc.

Lifelong supported OTA upgrades. The APP store will be launched soon.

Functions: AEC, DEQ, virtual sound card, etc

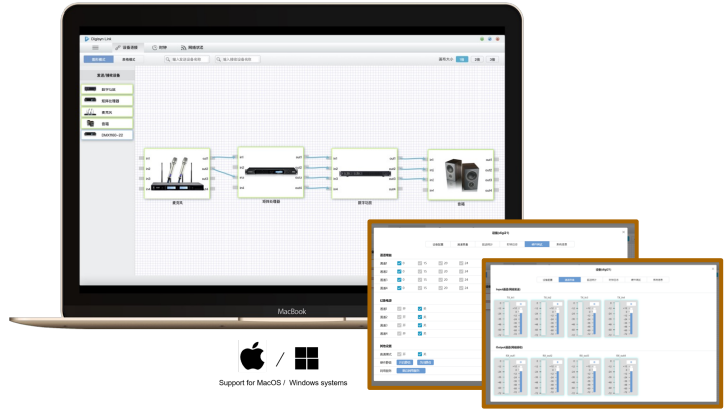
All In One Powerful Visual Management Software

Implemented in a DigisynLink software: the whole system visual signal connection, all equipment configuration and function management.

Spliced Expansion Channel*

2 PCS DMX208 can be spliced into 16x16 channel, and a maximum of 4 PCS DMX208 can be spliced into a 32x32 channel matrix. It also supports standard 1U rack-mount installation.

* Expansion channel will be available by Q4 2022



DMX-208 AES67 Network Audio Matrix

SPECIFICATIONS

Audio Capabilities

Sample Rates	44.1/48/88.2/96kHz
Network audio delay	0.5 ~ 20 ms
Bit Depth	24 Bit
Harmonic distortion + noise	0.005%@re +4dbu, A-weighted, 1kHz, unit gain
Channel isolation	84DB, A weighted, re+4dBu
Frequency response	±0.1DB 20Hz-20kHz
Maximum input/output level	22DBU@1kHz, THD+N≤1%
Dynamic range	110DB@re Maximum output level, unit gain, A meter weight
The words put gain	0\15\20\24 DB 4 files
Common mode rejection ratio	≥50DB @1kHz, re+4dBu
The input impedance	Equilibrium 18kΩ, Non-equilibrium 9kΩ
Output impedance	Equilibrium 300Ω, Non-equilibrium 150Ω
DSP Function	FIR,GEQ, High/Low Shelf, Delay, Mixer, AFC, etc.

Hardware

Analog audio channel	4 IN, 4 OUT
Network audio channel	4 IN, 4 OUT
Phantom power supply	48V, 10MA, Ripple≤10MV
The power supply	12VDC, 1.5A adapter power supply, POE power supply, serial port power supply
Analog Interfaces	Phoenix Interface
Network	RMII
Size	108*149*45MM
The net weight	0.7 kg

* Only DL-08 supports I2S