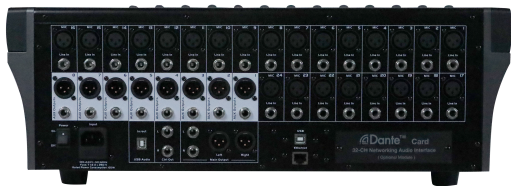# iSEMC

24-channel Digital Mixer

DMC-24

⬇ INTRODUCTION

The DMC-24 digital mixer has 24 analog inputs, all with preamp amplification, 14 analog outputs, 24x12 matrix mixing capability, optional network audio interface card, and supports 32x32 DANTE network audio channels. User-friendly design, with 13 memorable electric faders, designed with 2 multi-function knobs, 75 function buttons, with 7-inch color LCD touch screen, you can quickly recall the parameters of the mixer, preset storage and call, simplifying the operation.

⬇ FEATURES

- 24 XLR microphones and TRS line level inputs, microphone inputs support 48V phantom power;
- 2x2USB audio transmission;
- 2 main outputs;
- 8 auxiliary outputs, including 8 TRS ports and 8 XLR ports;
- 1 headphone output, room monitoring output;
- 2 internal effects;
- 12 groups of group group control, 12 groups of DCA group control; Expandable Dante network audio with support for 32x32 Dante cards;
- USB or network interface for firmware update, can be used to connect ipad remote control APP;
- With Auto Mixer automatic mixing function;

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- Each input channel has a noise gate, compression/limiter, high and low pass filter, four-band parametric equalizer, delay;
- Each output channel has compression/limiter, high and low pass filter, four-band parametric equalization, 31-band graphical equalizer, and delay;
- The input and output come with RTA spectrum analysis, and the frequency of each segment is intuitively displayed;
- It has the functions of digital signal input and digital signal output, and can be switched on and off independently;
- It has the functions of parameter copying, channel copying, module parameter saving and calling;
- It can store 24 scenes, with editing, saving, loading, and copying functions;
- It has the function of locking and unlocking to prevent misoperation and configuration protection;
- 7-inch color LCD touch screen for parameter viewing and setting;
- 13 x 100mm precision electric faders;
- Two-color LCD display channel information, channel name can be customized; Talk back function, which can be routed to the output channel;
- 2 multi-function knobs with gradient ambient lighting;
- 75 function buttons with gradient ambient lighting;

＼Equipment specifications

Project	Parameter
Microphone input	
Main output frequency response	22Hz~20KHz ±1.5dB
Main output distortion (THD&N).	<0.01% at 0dBu 1KHz
Gain	0~50dB
Signal-to-noise ratio	＞103dB
Maximum input level	+20dBu
Phantom power (+/-3V).	+48VDC
Impedance	6.8KΩ

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Linear inputs	
Main output frequency response	22Hz~22KHz ±1.5dB
The main output total harmonic distortion	<0.01% at 0dBu 1KHz
Gain	-20dB~+30dB
Maximum input level (gain of 0dB).	+20dBu
Impedance	75KΩ
Output	
The maximum output level of the main and auxiliary outputs	+20dBu
Headphone maximum output level	+15dBu
Impedance	240Ω
System	
Channel crosstalk (0dBu 1KHz).	-87dBu
Noise	< -91dBu
ADC dynamic range	114dB
DAC dynamic range	114dB
Internal processor	32-bit , Floating point
Sample rate	48kHz/24bit
Operating temperature range	0~40℃
Storage temperature range	-20℃~45℃

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