DM 24

24 INPUT DIGITAL MIXER

Features

This LUCASACS DM24 digital sound mixer is designed for professional live performance, and is ideal for stage sound reinforcement, live audio program recording, multi-functional conference hall and other application environments due to its excellent timbres and dynamics. This product is flexible, portable and easy to operate, ensures professional effects and can help users with less experience quickly obtain high- quality experience effects. This product supports the function of BLE wireless APP control and remote control through the protocol code of the central control port.

Technical Specifications

Feature	Specification
Input Channel	24 channel inputs include: 16 microphone inputs, 8 stereo inputs, and stereo digital inputs (USB sound card, USB flash disk playback, Bluetooth playback).
Output Channel	2 stereo main outputs, 4 SUB group outputs, 4 AUX auxiliary outputs, 2 stereo monitoring outputs, 2 stereo digital outputs (USB sound card, USB recording).
Recording Interface	Dual-track USB sound card recording and playback, Dual-track USB flash disk audio playback and storage
Input Gain	Microphone/line gain: 0dB+50.0dB; line gain: -80dB to +10dB
Input and Output Impedance	Microphone input: 2KΩ; line input: 10KΩ; output: 100Ω
System	24-bit SHARC DSP chip processing, 48kHz sampling rate, 24-bit AD/DA conversion
Frequency Response	20Hz~20kHz: +/-0.5
Total Harmonic Distortion + Noise	-20dBFS@ 1kHz: <0.01%
Noise	Noise level (20/20k bandpass): -85dBFS
Input and Output Level	Maximum input and output 20dB
Dynamic Range	>-105dB
Crosstalk	Inter-channel isolation (1k): -83dB
Phase Difference	Inter-channel phase difference (+4dB 1k): <0.5°
Delay	<3ms
USB	Maximum current: 500mA
Screen	9-inch HD IPS 1024×600 display
Phantom Power	Positive 48V software control management
Power Consumption	<35W (typical value)
Power Supply	AC input voltage range: 100~240V, AC automatic induction, AC frequency: 50~60Hz
Operating Condition	Temperature range: -20ºC to 55ºC

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