

D8848

High-End Professional 4-Input 8-Output Audio Processor with DSP Functions



Description

This professional-grade audio processor operates at a 96 kHz sampling rate with native 32-bit AD/DA resolution, delivering an exceptionally high dynamic range. It features 4 analog inputs and 8 analog outputs. The built-in DSP functions include input/output gain adjustment, noise gate, compressor, equalizer, full-featured matrix mixing, crossover, delay, limiter, and real-time level meters. Thanks to its outstanding circuit hardware parameters, the processor faithfully reproduces the original sound quality while producing pleasing and captivating audio output. It is well suited for a wide range of applications across small, medium, and large-scale environments.

Features

- 96 kHz sampling rate with native 32-bit AD/DA resolution for extremely high dynamic range
- High-precision panel level meters for real-time display
- Full-featured crossover with adjustable filter slope from 1st to 8th order
- Gain adjustment, delay, noise gate, limiter, and compressor available on both inputs and outputs
- Full-featured matrix mixing with adjustable send levels
- 4 XLR analog inputs and 8 XLR analog outputs
- RS-232 and RS-485 interfaces for comprehensive control
- 9-band adjustable PEQ for inputs; 11-band adjustable PEQ for outputs
- 20 scene presets for easy recall and switching

Specifications

Model	D8848
Input/Output	4 × 8
Input/Output Type	(Analog)

Signal Processor	64-bit Floating-Point DSP 1GHz
Bit Depth	32-bit
Sampling Frequency	96kHz
Input Impedance	20kΩ
Output Impedance	600Ω
A/D Dynamic Range	128dB
D/A Dynamic Range	127dB
Max Input Level	>20dBu
Max Output Level	>20dBu
Transmission Delay	1.81ms
Input Channel Delay	0ms~1000ms (Step:0.01ms)
Output Channel Delay	0ms~1000ms (Step:0.01ms)
FIR Taps	1024 × 8
THD+N	<0.0008%(+10dBu @ 20Hz~20kHz)
Frequency Response	20Hz~20kHz ±0.1dB 10Hz~32kHz ±0.2dB
Crosstalk	≤-100dB
SNR	≥115dB(20Hz-20kHz No Weighted)
Dynamic Range	≥115dB(20Hz-20kHz No Weighted)
Noise Floor	<-95dBu(20Hz-20kHz No Weighted)
Connection Type	TCP/IP、RS232、RS485
Preset	20
Size	483mm×44mm×264mm 1RU
Net/Gross Weight	4.1Kg / 5.0Kg

Front / Rear Panel

