D8848

Professional Audio Processor

Description

This product is a professional-grade audio processor with a sampling rate of 96kHz and native AD/DA resolution of 32bit, featuring an extremely high dynamic range. It is equipped with 4 analog inputs and 8 analog outputs. The product incorporates built-in DSP functions such as input/output gain adjustment, noise gate, compressor, equalizer, full-featured matrix mixing, crossover, delay, limiter, and real-time level meters. With outstanding circuit hardware parameters, this processor perfectly reproduces the original sound quality and delivers pleasant, captivating audio output, making it suitable for various large, medium, and small-scale applications.

Features

- The sampling rate is 96kHz, with native AD/DA sampling resolution of 32bit, delivering an extremely high dynamic range;
- High-precision panel level meters provide real-time display;
- Full-featured crossover function with filter slope range: 1st to 8th order;
- Input/output gain adjustment, delay, noise gate, limiter, compressor, etc.;
- Full-featured matrix mixing function supporting send level adjustment;
- 4 XLR analog inputs, 8 XLR analog outputs;
- RS-232 and RS-485 interfaces provide comprehensive control functions;
- 9-band adjustable PEQ for inputs, 11-band adjustable PEQ for outputs;
- 20 scene presets for switching.

Specifications

Model	D8848
Input/Output	4 × 8

conference@dsppa.com / www.dsppacs.com

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

4-channel Analog Input

8-channel Analog Input

RS485 Interface

RS232 Interface

TCP/IP Control Network Port

Power Sockets and Switches

Ground Wire