Product Introduction

The digital signal processor equipped with a high-performance 32-bit floating-point DSP processor and A/D ~ D/A converter, support for 24bit/48KHz sampling frequency, high-quality 21-stagepreamplifier circuit, DSP processing bus structure built-in feedback cancellation, echo cancellation, noise suppression, automatic mixing and other audio core algorithms, to restore high-quality sound, with a comprehensive matrix mixing function It supports multiple scene presets, scene saving and other functions, and user-friendly control software interface. Mainly used in a variety of large places, can meet the theatre, concert halls, remote video conferencing, stadiums, churches, conference center, theme parks, public sound reinforcement systems and other aspects of the application needs.

Product Features

- ➢ Highly integrated, integrating a variety of traditional Analog audio processing equipment in a Digital audio processor;

- ➢ High-performance 32-bit floating-point DSP processor, all-digital processing, fast responsetofeedback cancellation, echo cancellation, noise suppression and other core algorithms;

- ➢ High-performance A/D, D/A converter, 24bit/48KHz sampling frequency, high-qualityAnalog→ Digital, Digital → Analog conversion;

- ➢ Up to 16 Analog input channels and 16 Analog output channels, very small distortion and ultra-low background noise;

- ➢ Rich interface expansion;

- ➢ Supports Dante network transmission, which makes audio transmission more stable and faster;

- ➢ Humanization, graphical, intuitive and easy-to-operate control software interface;

➢ Comprehensive matrix mixing functions;

➢ Scene storage is different from the Analog equipment is one of the most practical andsignificant features, can store 100 complete scenes, all the scenes can be exportedtoanexternal storage device for storage backup, so that the later call at any time.

Specifications:

Number of Analog Input Channels	4/8/12/16
Number of Analog Output Channels	4/8/12/16
Dante Input channels	4/8/12/16
Dante Output channels	4/8/12/16
Number of 232 serial interfaces	1
Number of 485 serial interfaces	1
Number of GPIO interfaces	8, freely configurable inputs and outputs
Number of RJ45 interfaces	3
Number of USB interfaces	1 USB Type A
Sampling Rate	48KHz@24bit
Preamplification	51dB
Phantom Power	48V
Frequency Response	20Hz～20KHz,±0.2dB
THD+N	≤0.003%@1kHz,4dBu
Analog to Digital Dynamic Range (A-weight)	120dB
Digital to Analog Dynamic Range (A-weight)	114dB
Input Impedance (Balanced)	20kΩ
Output Impedance (Balanced)	100Ω
EIN (A-weight)	≤-125dBu
Channel Isolation	100dB@1KHz,4dBu
Common mode rejection	70dB@50Hz
Signal-to-Noise Ratio	108dB
Maximum Input Level	18dBu
Maximum Output Level	18dBu
Background Noise	-90dBu
System Delay	≤9ms
Operating Power Supply	AC 110V-220V,50Hz/60Hz
Power Consumption	<30W

*Picture for illustration purpose only