

Specification

1. Provide 8×8 analog audio channels, adopt Phoenix terminal interface, support Mic/Line input;
2. Provide 2×2 digital PCM audio channels, support USB playback and recording through USB interface;
3. Provide 1 network UDP/RS232/RS485 control port, built-in programmable control module, wireless control and external control of third-party equipment functions through APP custom interface;
4. Built-in DSP processing technology: AGC automatic gain control, AFC automatic feedback suppression, AEC automatic echo cancellation, ANC automatic noise cancellation, AMC sharing automatic mixing;
5. Input channel DSP processing includes: preamplifier, signal generator, expander, compressor, 8-band parametric equalizer, automatic mixer, intelligent mixer, routing matrix, 48V phantom power supply, support LINK and group;
6. The output channel DSP processing includes: 8-segment parametric equalizer, delay device, inverter, frequency divider, filter (5 types), compressor, support LINK and grouping;
7. Provide 1 RS-232 interface, 1 RS-485 interface, 8 GPIO interfaces, and 1 LAN network interface;
8. The host software supports Apple iOS/Google Android/Microsoft Windows system platforms; it can store 16 sets of scene preset functions, and has multi-level operation authority management functions;
9. Built-in high-speed 64bit processing core; perfect integration of 48KHz 24 bit A/D, D/A conversion; built-in camera tracking control function.

Features

Sampling rate/quantization bits: 48K/24bit
Input gain: 0/10/20/30/40/43 dB
Output level: 0/-6 dB
Phantom power: +48V
Frequency response (20~20kHz): ±0.2dB
Maximum level: +24dBu
Total Harmonic Distortion + Noise: 0.002% @4dBu
Dynamic range (analog channel): 113dB
Noise floor (A-weighted-analog): -89dBu
Noise floor (A-weighted-Dante): -91dBu
Common mode rejection ratio @60Hz: 80dB
Channel isolation @1kHz: 108dB
Input impedance (balanced connection): 20KΩ
Output impedance (balanced connection): 102Ω
System delay: <3ms
Working power supply: AC 110 ~ 240V, 50Hz/60Hz