16 Input and 16 Output Digital Audio Matrix Processor

(DSP) DS-P1616/DS-P1212/DS-P0808/DS-P0404

Description

Genius Let's Rise DSP is a high-performance, multi-audio processing technology highly integrated digital audio processor with max. 16 input and max. 16 output, adopting DSP audio processing technology to provide users with excellent sound quality; With built-in feedback suppression, echo cancellation, noise elimination, and other functions, to achieve high-quality sound. It's mainly used in large and medium-sized places, to meet multiple application requirements for the video conferencing, stadium, conference center, auditorium, banquet hall, exhibition hall, multimedia conference, command center and other public sound system.

Feature

*Each input channel: Up to 16 balanced MIC / Aux, using bare wiring interface, balanced connection.

*Each output channel: Up to 16 balanced Aux output, using bare wiring interface, balanced connection.

*Provide 24bit/48KHz excellent high-quality sound with A/D & D/A conversion.

*Full-function matrix mixing, providing users with flexible, simple signal routing operations, routing paths and level sizes can be completed on single button.

*The panel featured with USB interface, support for multimedia storage to play or storage recording. 16 Channel USB Audio interface features (optional).

*Configured with bidirectional RS-232 interface, can be used to control external devices.

*Configured with RS-485 interface, can achieve automatic camera tracking function.

*Configured with 8-channel programmable GPIO control interface (Input and output can be customized).

*Support automatic protection memory function when power off.

*Support channel copy, paste, control function.

*Ethernet multi-purpose data transmission and control port, can support real-time management of single and multiple devices.

*Support to access the device through the browsing, to download with own management control software; with intuitive and graphical software interface, can work with XP / Windows7, 8,10 and other system.

*Support IOS, iPad, Android mobile phone / tablet APP operation control.

*Support DANTE Up to 64 x 64 channels

Model	DS-P1616/DS-P1212/DS-P0808/DS-P0404
Input Channel	Pre amplifier, Signal generator, Expander, Compressor, 5 segment parametric equilibrium equalizer, AM auto-mix function, AFC adaptive feedback cancellation, AEC echo cancellation, ANC noise cancellation
Output Channel	31-segment parametric equalizer, Delay timer, Frequency divider, High-lower channel filter, limiter
Sampling Rate	48K
Phantom Power Supply	DC 48V
Frequency Response	20Hz-20KHz
Total Harmonic Distortion+Noise	<0.002% @ 1KHz, 4dBu
Digital/Analog Dynamic Range(A-Weighted)	120dB
Modulus/Number Dynamic Range (A-Weighted)	120dB
Input Impedance (Balanced)	20KΩ
Maximum Output Impedance (Balanced)	100Ω
Channel Isolation	1kHz, 100dB
Input Common Mode Rejection	60Hz, 80dB
Maximum Output Level	+ 24dBu, balanced
Maximum Input Level	+ 24dBu, balanced
Operating Temperature	0℃~40℃
Working Power	AC 110V-220V, 50Hz / 60Hz
Power Consumption	<40W
Dimensions (mm)	482 (W) × 258 (D) × 45 (H)