DS-QAPPR0808-D
Digital Audio Processor 8 In 8 Out

- 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 response to Acoustic Feedback Cancellation, Acoustic Echo Cancellation, Adaptive Noise Cancellation and other core algorithms;
- High-performance A/D, D/A converter, 24bit/48KHz sampling frequency, high-quality Analog → Digital, Digital → Analog conversion;
- 8 Analog input channels and 8 Analog output channels, very small distortion and ultra-low background noise;
- Rich interface expansion;
- 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 and significant features, can store 100 complete scenes, all the scenes can be exported to an external storage device for storage backup, so that the later call at any time.

▪ Specification

Basic Parameter	
Channel	8 line inputs 8 line outputs
Sampling Rate	48 KHz@24 bit
Audio	
Frequency Response	20 Hz ~ 20 KHz,±0.2 dB
THD and SNR	≤0.003% @1kHz,+4dBu
Phantom Power	DC 48V
Analog to Digital Dynamic Range (A-Weight)	114 dB
Digital to Analog Dynamic Range (A-Weight)	120 dB
Input Impedance (Balanced)	Balanced: 20 KΩ
Output Impedance (Balanced)	Balanced: 100 Ω
Channel Isolation	> 100 dB@1 kHz
Common Mode Rejection	> 60 dB@50 Hz
Signal-to-Noise Ratio	≤108 dB
Maximum Input Level	18 dBu
Maximum Output Level	18 dBu
System Delay	≤9 ms
Equivalent Noise Level	≤ -125 dBu
Dynamic Range	Input: 108 dB
Input Channel	Functional module: Preamplifier, Signal Generator, Expander, Equalizer (5/8/12-band Parametric Equalizer, 10/15/31-band Graphic Equalizer), Compressor, Automatic Gain Control (AGC), Automatic Mixer (AM), Ducker, Acoustic Feedback Canceler (AFC), Acoustic Echo Canceler (AEC), Adaptive Noise Suppressor (ANS), Ambient Noise Compensator (ANC), Parametric Equalizer filter type selectable (high shelf, low shelf, high cut, low cut). Physical interface: Balanced Phoenix terminals.
Output Channel	Delay, Crossover, Equalizer (5/8/12-band Parametric Equalizer, 10/15/31-band Graphic Equalizer), Limiter, Parametric Equalizer filter type selectable (high shelf, low shelf, high cut, low cut). Physical interface: Balanced Phoenix terminals.
Input Range	≤+18dBu (A-Weighted)
Feedback Finding and Suppression Methods	Fully Automatic Narrowband Notch
Notch	16 (Static and dynamic points are configurable)
Feedback Finding Time	0.1 ~ 0.5s
Bandwidth Range	0.02 ~ 4
Transmission Gain	6 ~ 18dB
System Gain	87dB
Crossover	Three types of high and low pass filters: Butterworth, Bessel, and Linkwitz-Riley

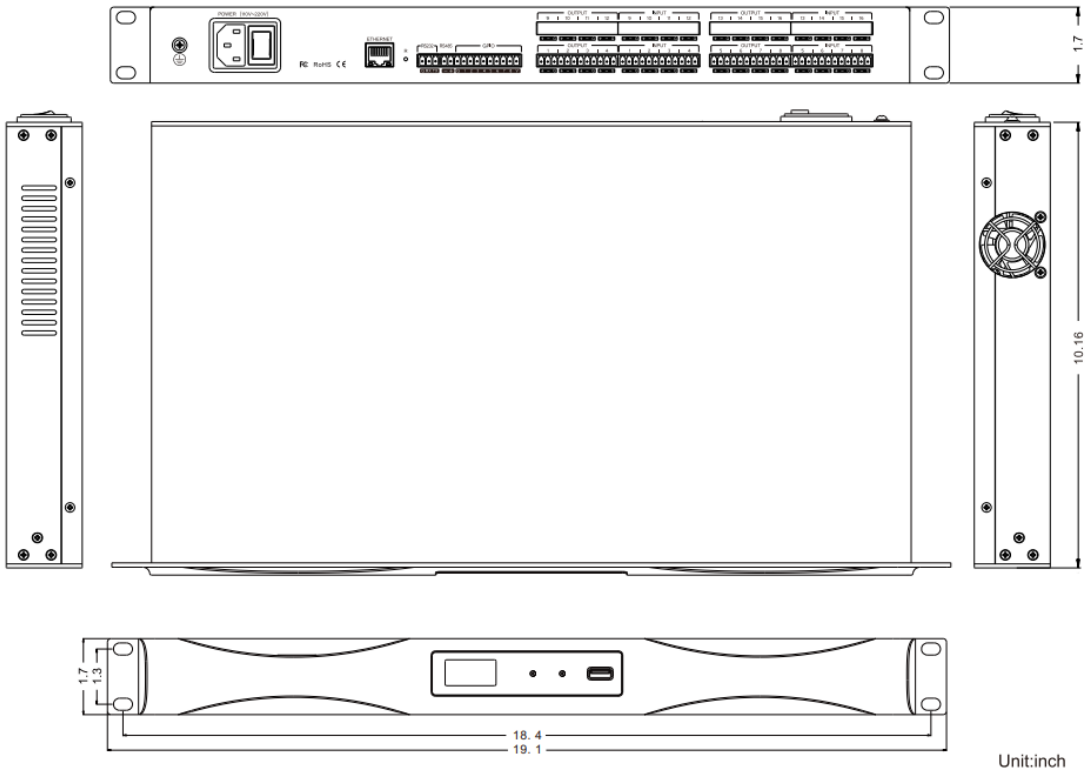
Equalizer	Parametric equalizer: frequency: 20 to 20kHz, gain: -15 to +15dB, bandwidth: 0.02 to 4. Graphic equalizer: frequency: 20 ~ 20kHz, gain: -15 ~ +15dB.
Interface	
Device Interface	1 RJ45 interface, 1 RS232 interface, 1 RS485 interface, 8 GPIO control interface
USB	1 USB Type A
Display Screen	1.3-inch OLED display showing device IP address
General	
Power	30W
Dimension	486 x 258 x 44 mm
Package Dimension	590×430×110 mm
Weight	3 KG
With Package Weight	3.5 KG
Packing List	Digital Audio Processor x 1, User's Manual x 1, Power Cord x 1, 12pin Phoenix Terminal x 5, 3pin Phoenix Terminal x 1, Screwdriver x 1
Operating Temperature	0-40℃
Operating Humidity	10%~90% No condensation

▪ Physical Interface

▪ Available Model

DS-QAPPR0808-D

▪ Dimension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