



# 16 Input And 16 Output Digital Audio Matrix Processor

## TS-P1616



### Description

\*TS-P1616 is a high-performance, multi-audio processing technology highly integrated digital audio processor with 16 input and 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: 16 balanced MIC / Aux, using bare wiring interface, balanced connection.
- \*Each output channel: 16 balanced Aux output, using bare wiring interface, balanced connection.
- \*Provide 24bit/48KHz excellent high-quality sound.
- \*Full-function matrix mixing, providing users with flexible, simple

signal routing operations, routing paths and level sizes can be completed on a single button.

- \*The panel featured with USB interface, support for multimedia storage to play or storage recording.
- \*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.

Model	TS-P1616
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°C~40°C
Working Power	AC 110V-220V, 50Hz / 60Hz
Power Consumption	<40W
Dimensions(W×D×H)	482 × 258 × 45 (mm)