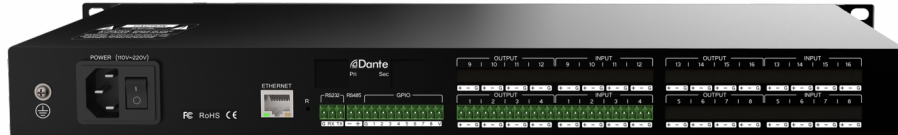




# Audio Processor

## TS-P440



### Description:

It is a high-performance 4 in and 4 out digital audio processor highly integrating multiple audio processing technologies. It adopts DSP audio processing technology to provide users with superior sound quality. It has functions of built-in feedback suppression, echo cancellation, noise cancellation, etc. It is mainly used in medium and large-scale venues such as stadiums, conference centers, auditoriums, banquet halls, exhibition halls, multimedia conferences, command centers and so on.

### Feature:

- \* Each input channel: 4 balanced microphone/line inputs, bare wire interface terminal, balanced connection.
- \* Each output channel: 4 balanced line outputs, bare wire interface terminal, balanced connection.
- \* Provide 24bit/48KHz high quality sound.
- \* Full-featured matrix mixing, flexible and simple signal routing operations, routing path supports free combinations.
- \* The panel is equipped with a 2.19-inch LCD screen, which supports the display of device network information, real-time levels, channel mute status, and matrix mixing status.
- \* Provide the USB interface for multimedia storage to play audios or store recording.
- \* The bidirectional RS-232 interface can be used to control external devices.
- \* The RS-485 interface can achieve automatic camera tracking.
- \* 8-channel programmable GPIO control interface (customized input and output).
- \* Support power-off automatic memory protection function.
- \* Support channel copy, paste, and joint control functions.
- \* Ethernet multi-purpose data transmission and control port, support real-time management of single and multiple devices.
- \* Support access to the device through the browser, download the built-in management and control software, intuitive and graphical interface; support XP/Windows7, 8, 10 and other systems.
- \* Support APP of iOS, iPad, Android mobile phone / tablet computer for operation control.
- \* Support scene preset function, up to 100 groups of scenes.

### Specification:

|  |   |
|--|---|
| <b>Model</b>                               | TS-P440   |
| <b>Input channel</b>                       | Preamplifier, signal generator, extender, compressor, 5-band parametric equalizer, AM auto mixing function, AFC adaptive feedback cancellation, AEC echo cancellation, ANC noise cancellation |
| <b>Output channel</b>                      | 31-band parametric equalizer, delayer, frequency divider, high-low-pass filter, limiter   |
| <b>Sampling rate</b>                       | 48K   |
| <b>Phantom power supply</b>                | DC 48V  |
| <b>Frequency response</b>                  | 20Hz-20KHz  |
| <b>THD + N</b>                             | <0.002% @1KHz, 4dBu   |
| <b>D/A dynamic range (A-weighted)</b>      | 120dB   |
| <b>A/D dynamic range (A-weighted)</b>      | 120dB   |
| <b>Input impedance (balanced)</b>          | 20KΩ  |
| <b>Maximum output impedance (balanced)</b> | 100Ω  |
| <b>Channel separation</b>                  | 1kHz, 100dB   |
| <b>Input CMRR</b>                          | 60Hz, 80dB  |
| <b>Maximum output level</b>                | +24dBu, balanced  |
| <b>Maximum input level</b>                 | +24dBu, balanced  |
| <b>Working temperature</b>                 | 0°C-40°C  |
| <b>Power supply</b>                        | AC110V-220V, 50Hz/60Hz  |
| <b>Power consumption</b>                   | <40W  |
| <b>Dimension</b>                           | 482×258×45mm (W×D×H)  |
| <b>Net weight</b>                          | 1.95kg  |
| <b>Gross weight</b>                        | 2.9kg   |