

DP8001

8-Channel Professional Audio Processor



Description

The DP8001 8-Channel Professional Audio Processor is a high-performance DSP-based solution designed for conferencing and sound reinforcement applications. Featuring 8 inputs and 8 outputs, it provides advanced digital signal processing functions for precise audio control and optimization.

With integrated features such as feedback suppression, automatic mixing, matrix routing, equalization, crossover, and dynamic processing, the DP8001 ensures stable and high-quality audio performance in complex multi-channel environments.

Features

- 8-channel analog audio inputs and 8-channel analog outputs with flexible MIC/LINE switching.
- Adjustable microphone sensitivity with 9 gain levels per input channel.
- Independent 48V phantom power control for each input.
- Built-in feedback suppression with dual-level adjustment.
- Automatic mixing (AutoMix) and matrix mixing for efficient signal management.
- 31-band parametric EQ for input channels and 10-band EQ for output channels.
- Integrated video tracking function supporting mainstream camera control protocols.
- USB connection for automatic software recognition and configuration.
- RS232 interface for external control system integration.
- Remote control via mobile app for convenient system operation.
- Supports touch screen control and wired control options.

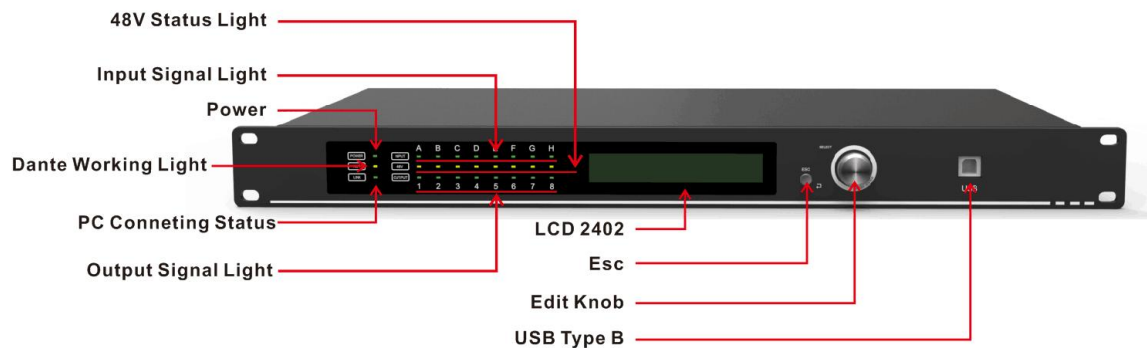
Specifications

Model	DP8001
Signal Processor	32-bit fixed/floating-point DSP 300MHz
Audio Latency	< 1ms
A/D and D/A Converters	24-bit
Sample Rate	48KHz
Input Channels	8 balanced. Mic/line level

Connectors	3.81 mm Phoenix Contact, 12-pin
Input Impedance	11.5K Ω
Maximum Input Level	12dBu/Line, -9dBu/Mic
Phantom Power	+48VDC, 10mA, selectable per input
Output Channels	8 balanced, line level
Output Impedance	150 Ω
Frequency	20Hz-20kHz(+/-0.5dB)/Line
THD+N	-90dB(@12dBu,1kHz,A-wt)/Line
SNR	105dB(@12dBu,1kHz,A-wt)/Line
USB	Micro-B type, free driver
TCP/IP	RJ-45
RS232	Phoenix seat
RS485	Phoenix seat
GPIO	Phoenix seat, Machine Archive (customizable)
LCD display & Button	LCD2402
LED Indicators	Power, Link, +48V, Input and Output Audio signal
Voltage Range	AC100V-240V 50/60 Hz
Demension	44mmx483mmx210mm
Net Weight	2.8kg
Working Temperature	-20 $^{\circ}$ C--80 $^{\circ}$ C

Front / Rear Panel

Front Panel



Rear Panel

