

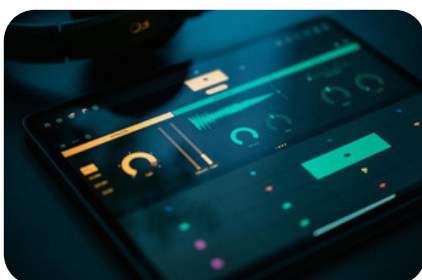


## DESCRIPTION

DS-88DAP is a digital audio processor with a 32-bit floating-point DSP and 24bit/48KHz A/D ~ D/A conversion for high-quality sound. Features a 21-stage preamplifier, built-in AFC, AEC, ANS, and Automatic Mixer, and a matrix mixing function. Supports scene presets, saving, and an intuitive control interface. Ideal for theaters, concert halls, video conferencing, stadiums, churches, conference centers, theme parks, and public sound systems.

## FEATURES

- **8 In / 8 Out Configuration:** 8 Inputs / 8 Outputs (analog/digital options depending on the model).
- **High-Quality DSP Processing:** Advanced digital signal processing for precise audio control, low latency, and enhanced audio clarity.
- **Sampling Rate:** Up to 192 kHz (standard options: 44.1 kHz, 48 kHz, 96 kHz, 192 kHz).
- **Bit Depth:** 24-bit or 32-bit floating-point for high-resolution audio fidelity.
- **Frequency Response:** ensuring accurate sound reproduction across the audible spectrum.
- **Total Harmonic Distortion (THD):** Less than 0.001% at 1 kHz, ensuring distortion-free audio.
- **Signal-to-Noise Ratio (SNR):** Greater than 110 dB, delivering a quiet and noise-free signal.
- **Preset Storage & Recall** – Save and load custom settings to adapt instantly to different environments and applications.
- **Rugged & Reliable Design** – Built for durability in both touring and fixed installations.



# SPECIFICATIONS

Input Interfaces	8
Output Interfaces	8
Control Interfaces	1 RJ45 interface, 1 RS232 interface, 1 RS485 interface, 8 GPIO control interface
Processor	TI 456MHz FLOPS dual-core 32-bit DSP processor; 24-bit A/D and D/A converter, 48kHz sampling rate
Phantom Power	DC 48V
Input Impedance	Balanced: 20K $\Omega$
Output Impedance	Balanced: 100 $\Omega$
Common Mode Rejection Ratio	>60dB@50Hz
Input Dynamic Range	108dB
Frequency Response	20Hz~20KHz, $\pm$ 0.2dB
Signal-to-Noise Ratio	$\leq$ 108dB
Harmonic Distortion + Noise	$\leq$ 0.003% @1kHz,+4dBu
Channel Isolation	>100dB@1kHz
Input Range	$\leq$ +18dBu (A-Weighted)
System Delay	$\leq$ 9ms
Maximum Output Level	18dBu
Maximum Input Level	18dBu
Analog/Digital Dynamic Range	114dB
Digital/Analog Dynamic Range	120dB
Equivalent Input Noise	$\leq$ -125dBu
Working Voltage	100V-240V AC,50Hz/60Hz
Product Dimension (L×W×H)	600mm×260mm×40mm

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