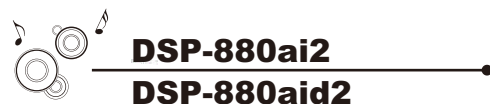


8 In 8 out DSP Audio Processor with AI Smart Function



FEATURES

- 48V phantom power for each input channel.
- Microphone preamplifier on each input channel, with adjustable gain from 0 to 40dB in 1dB steps.
- Stereo USB sound card functionality supporting playback and recording.
- USB interface for computer software control and sound card transmission.
- Rs232 interface for computer software control and central control functions.
- Rs485 interface for computer software control and central control functions.
- Network interface for computer software control and central control functions, allowing management of multiple devices via network connection.
- External 8-channel GPIO interface.
- LCD screen supporting configuration of device name, presets, IP, input/output volume, input mode, and device version viewing.
- Comprehensive DSP functions including AFC (Feedback Suppression), AEC (Acoustic Echo Cancellation), ANC (Active Noise Cancellation), AGC (Automatic Gain Control), AUTO MIX (Automatic Mixing), MATRIX MIX (Matrix Mixing), Noise Gate, PEQ (Parametric Equalizer), Delay, FIR Filter, High/Low Pass Crossover, Compressor, and Limiter.
- 15-band PEQ for input channels and 10-band PEQ for output channels.
- 512 Tap FIR available for each output channel.
- Voice activation function for each input channel, supporting camera tracking with PELCO-D, PELCO-P, and VISCA protocols.
- 60 preset memory locations.

TECHNIQUE INDEX

Model	DSP-880ai2/DSP-880aid2
Signal Processing	32bit float point dsp 400Mhz
Audio System Latency	< 3ms
Digital-to-Analog Conversion	24-bit
Sampling Rate	48KHz
Input Channels	8 Balanced Inputs, Mic/Line Level
Audio Interface	3.81 mm Phoenix Connector, 12-pin
Input Impedance	16kΩ Input Impedance
Maximum Input Level	17dBu (5.48Vrms) for Line / -3dBu (0.54Vrms) for Mic @ 20dB Gain Setting
Phantom Power	+48VDC Phantom Power, 5.5mA per Channel
Output Channels	8 Balanced Outputs, Line Level
Output Impedance	150Ω
Frequency Response	20Hz-20kHz (±0.5dB) / Line, Input 0dBu (0.775Vrms) 20Hz-20kHz (±1.5dB) / Mic, 20dB Gain Setting, Input -10dBu (0.245Vrms)
THD+N	THD+N: -90dB (@17dBu, 1kHz, A-weighted) / Line THD+N: -90dB (@-6dBu, 1kHz, A-weighted) / Mic, 20dB Gain
SNR	110dB(@17dBu,1kHz,A-wt)/Line 100dB(@-6dBu,1kHz,A-wt)/Mic, 20dB Gain
USB	Type-B 2.0, Driver-Free
RS232	Serial Port Communication
TCP/IP Port	RJ-45
Power Supply	90V-264V AC 50-60 Hz
Dimensions (WxDxH)	483x265x44.5mm
Net Weight	3.3Kg

DESCRIPTION

The DSP-880ai2 & DSP-880aid2 is an 8 in 8 out automatic mixing media matrix featuring 8 analog inputs and 8 analog outputs. It comes with built-in DSP functions such as feedback suppression, automatic mixing, matrix mixing, equalizer, crossover, compressor, AGC (Automatic Gain Control), AEC (Acoustic Echo Cancellation), and ANC (Active Noise Cancellation). The device is controlled via a driver-free USB connection to computer software, or remotely via RS232, RS485, or TCP/IP. Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

ORDERING CODE

DSP-880ai2: 8 In 8 out DSP audio processor AFC,AUTOMIX, RS 232 and camera control with AI smart function
 DSP-880aid2: 8 In 8 out DSP audio processor AFC,AUTOMIX, RS 232 and camera control, DANTE Ultimo 4 Channel with AI smart Function