DSP-88

8x8 Audio Processor

FEATURE:

- Provide 8-ch balanced MIC/linear inputs and 8-ch balanced linear outputs
- Support adaptive feedback suppression function
- Support the full-band adaptive acoustic echo cancellation technology
- Dynamic adaptive noise reduction technology is provided to reduce noise with signal level up to 18dB
- Auto Mixer function is provided to set the order of priority when multiple microphones are input at one time
- Inclusive of Digital signal processing modules such as Expander, Equalizer, Compressor, Auto Gain Control, Limiter, High Pass Filter, Low Pass Filter and Delay
- Capable to switch matrix routings
- Support volume control, meter, scene control, etc.
- 48V phantom power supply for 8-ch MIC inputs
- 48KHz sampling rate, 24-bit for A/D or D/A conversion
- Support 8-ch programmable GPIO function
- Compatible to run on Win 7 and Win 10, with standard RJ45 interface control
- Support RS-232 serial commands control

DSP-88

This digital audio processor is primarily utilized for video conferencing, remote learning. It comes equipped with 8 channels of microphone and linear inputs, as well as 8 channels of linear outputs. The device processes audio signals using advanced algorithms, including full-band Adaptive Echo Cancellation (AEC), Adaptive Noise Suppression (ANS), Automatic Gain Control (AGC), and Auto Mixer, ensuring a clear, crisp sound with a high Signal-to-Noise ratio. Designed to be both compact and intelligent, the processor is suitable for use in environments where additional software support for debugging is not required.

After installation, it is ready for immediate operation, making it ideal for project implementation and testing. This product can be effectively used in various installations and applications across different industries, such as smart system integration in small to medium-sized conference rooms, instructional recording and distance learning in education, court trial recording and virtual court proceedings in the judiciary, surgical recording and video consultations in healthcare, as well as in establishing command centers for government projects.

Audio

8x8 Audio Processor

DSP-88-DAN 8x8 Audio Processor

SPECIFICATIONS:

Technical

Amplitude-frequency (20Hz~20KHZ@+4dBu)	± 0.2dB
THD+N (1KHZ@+4dBu)	≤ 0.01%
SNR (linear input)	≥ 90dB
Dynamic Range	≥ 100dB
Channel Level Difference	± 0.5dB
Channel Isolation	≥ 80dB
Max Input Level	20dBu
Max MIC Gain	40dB
Input Impedance	20KΩ
Output Impedance	300Ω
Sampling Frequency	48KHZ
A/D and D/A Conversion	24Bit
Phantom Power	+ 48 VDC

Connection

Input	8 × Balanced MIC/LINE [3-pin phoenix connector] or
	4 × Stereo Audio [3-pin phoenix connector]
Output	8 × Balanced LINE [3-pin phoenix connector] or
	4 × Stereo audio [3-pin phoenix connector]
Control	1 × LAN [RJ45]
	1 × RS-232 [3-pin phoenix connector]
	8 × GIPO [10-pin phoenix connector]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	440mm (W)×250mm (D)×45mm (H)
Weight	3.3kg
Power Supply	AC 100 - 240V 50/60Hz
Power Consumption	9W (Max)
Operation Temperature	32°F ~ 104°F / 0°C ~ 40°C
Storage temperature	-4°F ~ 140°F / -20°C ~ 60°C

Audio