



8x8 Audio Processor with Dante

This digital audio processor is tailored for video conferencing, remote learning, and telemedicine applications. Equipped with 8-channel MIC/linear inputs and 8-channel linear outputs, it employs advanced algorithms including full-band Adaptive Echo Cancellation (AEC), Adaptive Noise Suppression (ANS), Automatic Gain Control (AGC), and Auto Mixer. The result is a crystal-clear, pristine sound with a high Signal-to-Noise ratio. With a streamlined yet intelligent design, this processor requires no additional software for debugging, ensuring ease of use after installation. It is an ideal choice for project implementation and testing. Versatile in its applications, this product finds utility in various scenarios, ranging from smart system integration in small to medium-sized conference rooms, instructional recording, and distance teaching in education, to court trial recording and virtual court trials in the judiciary. Additionally, it caters to surgery recording and video consultations in healthcare services, as well as the establishment of command centers in governmental projects.

Feature Highlights

- 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 levels 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, group management, 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

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

CONNECTIONS

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
Dimension	440mm (W)×250mm (D)×45mm (H)
Weight	3.3kg
Power Supply	AC 100 - 240V 50/60Hz
Power Consumption	9W (Max)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

Classic Application Example

