

12 In 8 Out DSP Audio Processor

Features:

- ▶ AI machining learning can intelligently eliminate environmental noises such as table knock, page turn, fan noise, etc., to realize the separation of non-human voice signals.
- ▶ Machining learning (100,000 hours): the number of network nodes can be dynamically adjusted, achieving online learning and featuring low latency.
- ▶ The processing module is configurable and can be freely replaced.
- ▶ Built-in one-in-one-out USB sound card, supports music playback, recording and video conferences (such as ZOOM, Tencent conference, etc.);
- ▶ Supports AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), Ducker, ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing.
- ▶ 12-band equalizer providing 5 filter options: Parametric, Lowshelf, Highshelf, Lowpass, Highpass.
- ▶ Provides customizable user interface, and support up to 30 devices to be managed under the same UI.
- ▶ Support camera control
- ▶ 8 GPIOs
- ▶ Supports RS232, RS485 and UDP central control.



MODEL	DSP-1280N2+AI
Input Channels(analog)	12
Output Channels(analog)	8
Processor	ADI SHARC 21489@450 MHz SIMD
DSP Handling Capacity	400 MIPS, 1.6 GFLOPS
Sampling Rate	48K/40bit
Frequency Response	(20~20kHz):±0.3dB
THD+N	<-94dB @17dBu
Input Dynamic Range	110dB
Output Dynamic Range	112dB
Input gain	0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu
Phantom Power	+48V/10mA max
Maximum level	+18dBu
Channel isolation @1kHz	108dB
Input Impedance (balanced connection)	5.4KΩ
Output Impedance (balanced connection)	600Ω
System Latency	<3ms
Power Supply	AC110~240V,50Hz/60Hz
Dimension	482 x 260 x 45mm
Weight	4KG