

16 In 16 Out DSP Audio Processor

DSP-1616N2



DSP-1616N2/DSP-1616ND2 DSP-1616ND3

Ordering Code

DSP-1616N2: 16 In 16 out DSP audio processor AFC, AEC, ANC, AUTOMIX, RS 232 and camera control
DSP-1616ND2: 16 In 16 out DSP audio processor AFC, AEC, ANC, AUTOMIX, RS 232 and camera control Dante Ultimo 4 Channel
DSP-1616ND3: 16 In 16 out DSP audio processor AFC, AEC, ANC, AUTOMIX, RS 232 and camera control Dante 16 Channel

Description

The DSP-1616N2/DSP-1616ND2/DSP-1616ND3 audio processor combines Auto Mixer, Matrix Mixer, and Feedback suppressor in one purpose-built DSP processor. At the same time, it has independent FIR/AFC/ AEC/ ANS/ AGC gain sharing automatic mixing, threshold automatic mixing and other processing modules. The /DSP-1616ND2/DSP-1616ND3 includes 16 mic/line analog inputs, 16 analog outputs to meet the needs of a wide range of audio processing applications such as boardroom, medium/large conference rooms, courtrooms, auditoriums and multi-purpose halls.

Features

- 16-channel analog input and 16-channel analog output, Microphone or Line in switch
- +48V Phantom power per input channel
- AFC in each input
- AUTO-MIX and MATRIX-MIX
- 15 PEQS per input and 10 PEQS per output
- USB free driver connect, RS232/485 connector for center control

DSP-1616ND2/DSP-1616ND3

SPECIFICATIONS	DSP-1616N2/DSP-1616ND2/DSP-1616ND3
Input Channels	16 balanced, Mic/line level
Connectors	3.81 mm Euro block
Input Impedance	11.5KΩ
Maximum Input Level	14dBu/Line, -7dBu/Mic
Phantom Power	+48VDC, 10mA, selectable per input
Output Channels	16 balanced, line level
Output Impedance	150Ω
Frequency Response	20Hz-20kHz(+/-0.5dB)/Line 20Hz-20kHz(+/-1.5dB)/Mic
THD+N	LINE: 0.003% MIC: 0.005%
SNR	105dB(@12dBu, 1kHz, A-wt)/Line 95dB(@-7dBu, 1kHz, A-wt)/Mic
USB	Micro-B type, free driver
RS232	Serial port communication
TCP/IP	RJ-45, Optional
LED Status Indicators	Power, Link, +48V, Input and Output Audio signal
Mains Voltage	AC100V---240V 50/60 Hz
Dimensions	44mmx483mmx210mm
Net Weight	2.8kg
Operating Temperature	-20°C-60°C
Cooling System	Active, Fan inside
Signal Processor	32-bit fixed/floating-point DSP 300MHz
Audio Latency	< 1ms
A/D and D/A Converters	24-bit
Sample Rate	48KHz