

OscarsPro

Audio Digital Signal Processor

"Advance technology DSP"



Audio Digital Signal Processor OS-DSP-1001

Digital-Analog Conversion	24-bit
Signal Processing	32-bit fixed/floating-point DSP 300MHz
Audio System Delay	< 1ms
Input Impedance	11.5K Ω
Sampling Rate	48KHz
Input Channel	16-channel balanced inputs, Mic/line level
Audio Interface	3.81 mm Phoenix plug, 12-pin
Maximum Input Level	12dBu/Line, -7dBu/Mic
Serial port communication	1x RS232 Port, 1x RS485
GPIO Port	10 pin GPIO port
Phantom Power	+48VDC, 6.5mA, configured in each channel
Total harmonic distortion (THD+N)	-90dB (@12dBu,1kHz, A-wt.)/Line, -86dB (@-7dBu,1kHz, A-wt.)/Mic, 20dB Gain
Signal to Noise Ratio	105dB (@12dBu,1kHz, A-wt.)/Line, 95dB (@-7dBu,1kHz, A-wt.)/Mic, 20dB Gain
USB Port	Micro-B type, drive-free
Output Channel	16-channel balanced outputs, line level
Output Impedance	150 Ω
Level Sensitivity Adjustment	Each microphone input have 9 levels of sensitivity adjustment
Phantom Power switching	Each input have 48V phantom power switch
Inbuilt Feedback suspensor	Inbuilt feedback suppressor with two levels adjustment with Each audio input
Frequency Response	20Hz-20kHz(+0.5dB)/Line, 20Hz-20kHz(+/-1.5dB)/Mic, 20dB Gain
TCP/IP Network Port	1x RJ-45 Port
Indicator Light	Power, Link, +48V, input and output audio signal
Power Supply	AC100V-240V 50/60 Hz
Input/output	16 channels audio input & 16 channels audio output support mic input & line input with switching function
Audio mixing	Automatic mixing and matrix mixing functions for Audio Signals
PEQ Adjustment	16 bands PEQ adjustment for input signal and 10 bands PEQ adjustment for output Signals
PTZ camera control	PTZ camera Control to functionate voice tracking functionality
Eco cancellation Mode	AEC echo cancellation and ANC noise cancellation function for Video conferencing requirement