

DP8005 8 channels Conference Audio Processor with ANC & AEC



Description

DP8005 is an automatic mixing media matrix with 8 analog inputs and 8 analog outputs, built-in feedback suppression, automatic mixing, matrix mixing, equalizer, distributor, compressor and other DSP functions. It can support Dante network audio expansion, and realize computer software control through USB drive-free connection, and central control remote control via RS232, RS485, TCP/IP connection, suitable for various public address projects.

Features

- 8 channels analog audio input & 8 channels analog audio output, support microphone input and line input switch freely
- With AEC echo cancellation and ANC noise cancellation function, suitable for remote video teleconference
- Each microphone input has 9 levels of sensitivity adjustment
- Each input with 48V phantom power switch
- Each input with feedback suppressor, two levels adjustment
- with AUTOMIX automatic mixing and matrix mixing functions
- The 16 bands PEQ adjustment for input and 10 bands PEQ adjustment for output
- with video tracking function, support most camera control protocols
- USB drive automatic connect with software, and support RS232 control
- Support remote control of mobile APP software
- Touch screen and wire control is supported

Specification

Model	DP8005
DSP Chip	
Signal Processing	32-bit fixed/floating-point DSP 300MHz
Audio System Delay	< 1ms
Digital-Analog Conversion	24-bit
Sampling Rate	48KHz
Analog Audio Input and Output	
Input Channel	8-channel balanced inputs, Mic/line level
Audio Interface	3.81 mm Phoenix plug, 12-pin
Input Impedance	11.5K Ω
Maximum Input Level	12dBu/Line, -7dBu/Mic
Phantom Power	+48VDC, 6.5mA, configured in each channel
Output Channel	8-channel balanced outputs, line level
Output Impedance	150 Ω
Audio Performance Specification	
Frequency Response	20Hz-20kHz(+/-0.5dB)/Line 20Hz-20kHz(+/-1.5dB)/Mic, 20dB Gain
THD+N	-90dB(@12dBu,1kHz,A-wt)/Line -86dB(@-7dBu,1kHz,A-wt)/Mic, 20dB Gain
SNR	105dB(@12dBu,1kHz,A-wt)/Line 95dB(@-7dBu,1kHz,A-wt)/Mic, 20dB Gain
Connection Port and Indicator	
USB	Micro-B type, drive-free
RS232	Serial port communication
TCP/IP Network Port	RJ-45
Indicator Light	Power, Link, +48V, input and output audio signal
Electrical and Physical Parameters	
Power Supply	AC100V---240V 50/60 Hz
Dimension (L*W*H)	483mm*265mm*44.5mm
Net Weight	3.3kg
Working Temperature	-20 $^{\circ}$ C--80 $^{\circ}$ C