

MATRIX MIXERS
Digital Signal Processors
Full matrix 8X8 digital signal processor

DSP8X8

DSP8X8 – 8 input and 8 output digital signal processor for conference and background audio system signal processing and automation. It features analog outputs and inputs (selectable as Line level or Mic level), as well as 2-in/2-out USB audio interface. AFC, AEC, ANC, AGC features, auto mixer, matrix routing, per channel noise gate, crossover, parametric EQ, delay, compressor, limiter and FIR filters. 24 bit / 48 kHz AD/DA converters, 32-bit float 400MHz DSP processing.

DSP 8X8 also has video camera control function via GPIO. Device control software works with Windows OS, RS232, RS485, TCP/IP, GPIO control protocols.



Technical Specifications	DSP8X8
Power supply	~ 115-230 V, 50/60 Hz
Power consumption	14 W
Inputs	8 x balanced Phoenix
Input impedance	16 kΩ
Maximum input level	Line: 17 dBu Mic: -3 dBu
Outputs	8 x balanced Phoenix
Output impedance	150 Ω
Maximum output level	+10 dBu
Maximum gain	-40 dBu
Frequency Response	20 Hz - 20 kHz
Distortion	Line: -90 dB (@ 17 dBu, 1 kHz) Mic: -90 dB (@ -6 dBu, 1 kHz, 20 dB gain sensitivity)
S/N ratio	Line: 110 dB (@ 17 dBu, 1 kHz) Mic: 100 dB (@ -6 dBu, 1 kHz, 20 dB gain sensitivity)
AD / DA converter	24 bit / 48 kHz sampling rate
DSP process	32 bit float point DSP 400 MHz
System delay	< 3 ms
Control protocols	RS232, RS485, TCP/IP, GPIO
Control ports	USB Type B, RJ45, USB, phoenix
Indicator lights	Input signal, Phantom power, Link, Output signal
Supported OS	Windows
Dimensions	483 x 265 x 44.5 mm
Weight	3.3 kg