

DMC-4400N PROFESSIONAL DIGITAL AUDIO PROCESSOR



FEATURE

- ADI SHARC 21489 processor
- Analog input Channels : 4 | Analog output Channels : 4
- 4 balanced microphone or line level inputs on Terminal Block connectors
- 4 balanced line level outputs on Terminal Block connectors
- Audio interfaces on RJ-45 connectors.
- Built-in 2-in 2-out USB soundcard support Web video conference for recording and music playback.
- Supports Apple iOS and MS Windows operating systems
- Supports adaptive echo cancellation (AEC), adaptive feedback control (AFC), automatic gain control (AGC), automatic mixer control (AMC), automatic noise suppression (ANS)
- Up to 8 settings can be preset providing 5 options parametric, Low-shelf, High-shelf, Low-pass, High-pass.
- Definable GUI (Graphical User Interface) for managing and configuring multiple units
- Each input supports 8 band parametric equalizer (PEQ), signal generator, compressor, expander and 48 V phantom power
- Each output supports 8 band graphic equalizer (GEQ), audio crossover, delay, limiter

Specifications

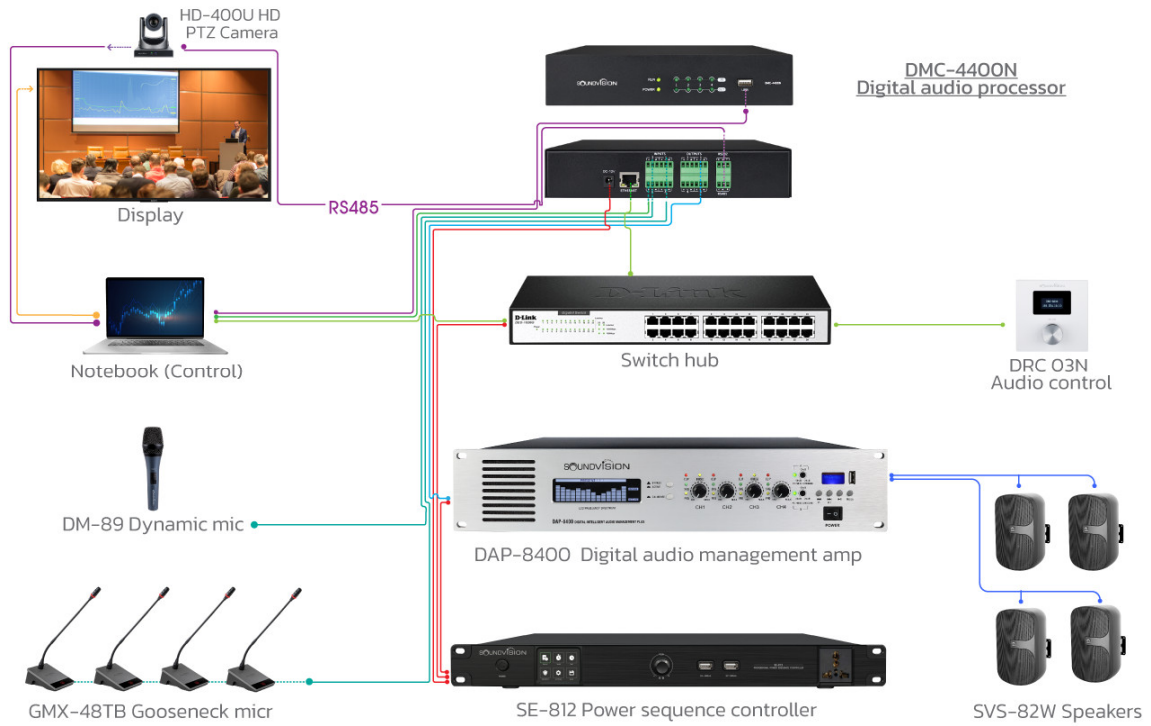
Audio	
ADSP	ADI SHARC 21489@450 MHz SIMD.
Audio Format	24 bits, 48 kHz sampling rates
System Latency	< 3 ms
Analog I/O Channels	4x4
Analog Input Gain	0, 6, 12, 18, 24, 30, 36, 42, 48 dB
Analog Input Level	+18 dBu
Analog Output Level	+18 dBu
Frequency Response	±0.5dB (20 Hz to 20 kHz)
THD+N	< -100dB @ 4dBu
Common Mode Rejection Ration	103 dB @ 60Hz
SNR	110 dB
Analog Dynamic Range	110 dB
Input Dynamic Range	110 dB
Output Dynamic Range	120 dB
Analog Background Noise	-89 dBu (A-weighted)
Channel Isolation	108 dB (@1 kHz)

Input Impedance	20k Ω (Balanced)
Output Impedance	100 Ω (Balanced)
Phantom Power	48V/10mA max
Interface	
Input Port	4 Analog Audio (Terminal Block)
Output Port	4 Analog Audio (Terminal Block)
Ethernet Port	1 LAN (RJ-45)
Serial Port	1 RS-232 (Terminal Block) 1 RS-485 (Terminal Block)
USB Port	1 USB Audio (Type-A)
General	
Power voltage	AC 220V ~ 240V : 50Hz/60Hz
Power Supply	DC 12V
Power consumption (IEC)	10 W
Operating Temperature	0 to +40 °C
Humidity	10% to 90% RH (non-condensing)
Dimensions (WxDxH)	215x162 x44 mm
Weight	1.5 kg

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EXAMPLE CONNECTION DIAGRAM

Training room / conference room



- AC Power supply
- Speaker cable
- Microphone line
- Audio output
- Audio input
- USB / Control line
- HDMI
- Network LAN