

DSP-1616D



DESCRIPTION:

Heinrich's DSP-1616D is a versatile audio processor designed to enhance sound quality in various applications. It features a powerful 16-input, 16-output configuration and incorporates advanced DSP technology for exceptional audio processing. Built-in functions like feedback suppression, echo cancellation, and noise elimination ensure clear and distortion-free sound. The DSP-1616D also supports Dante network transmission, enabling seamless integration with other audio devices. Ideal for medium to large venues, this processor is well-suited for public sound reinforcement systems such as remote video conferences, stadiums, conference centers, auditoriums, and command centers.

FEATURES:

- Each input channel: 16 balanced microphone/line inputs, bare wiring interface terminal, balanced connection.
- Each output channel: 16 balanced line outputs, bare wiring interface terminal, balanced connection.
- Support DANTE network transmission protocol, low latency DANTE network audio transmission, 16 sending channels, 16 receiving channels, can achieve network audio extension.
- Provide 24bit/48KHz high quality sound.
- Full-featured matrix mixing, flexible and simple signal routing operations, routing path and level size can be completed with one button.
- 2.19-inch LCD display on the panel, supporting the display of device network information, real-time level, channel mute status, matrix mixing status.
- Panel with USB interface.
- The bidirectional RS-232 interface can be used to control external devices.
- The RS-485 interface can achieve automatic camera tracking.
- 8-channel programmable GPIO control interface (customized input and output).
- Support power-off automatic memory protection function.
- Support channel copy, paste, and gang control functions.
- Ethernet multi-purpose data transmission and control port, can support real-time management of single and multiple devices.
- Support access to the device through the browser, download the built-in management and control software, intuitive and graphical interface; support XP/Windows7, 8, 10 and other systems.
- Support iPad or iPhone or Android phone APP software for operational control.
- Support scene preset function, maximum support 100 groups of scenes.

Audio Processor

SPECIFICATIONS:

Model	DSP-1616D
Input channel	Preamplifier, signal generator, extender, compressor, 5-band parametric equalizer, AM auto-mixing function, AFC adaptive feedback cancellation, AEC echo cancellation, ANC noise cancellation
Output channel	31-band parametric equalizer, delayer, frequency divider, High-lower pass filter, limiter
Dante interface	2
Sampling rate	48K
Phantom power	DC 48V
Frequency response	20Hz-20KHz
THD + noise	≤0.003%,4dBu
D/A dynamic range (A-weighted)	114dB
A/D dynamic range (A-weighted)	120dB
Input impedance (balanced)	20KΩ
Maximum output impedance (balanced)	100Ω
Channel separation	1kHz, 104dB
Input KCMR	70dB @80 Hz
Maximum output level	+18dBu, balanced
Maximum input level	+18dBu, balanced
Working temperature	0 °C~40 °C
Power supply	AC 110V-220V, 50Hz / 60Hz
Power consumption	<40W
Size	482×258×45mm(W×D×H)
Net weight	1.95kg
Weight	3kg

Disclaimer: As per our company policy one of the constant product improvements the right is there for reserved to modify the product specification without prior notice and the picture shown in the datasheet is a design base, the actual picture may vary.