

D5831AI

Professional AI Condenser Conference Microphone



Description

The D5831AI Professional AI Condenser Conference Microphone is a high-performance condenser microphone designed for modern conference environments. Powered by advanced digital audio processing and AI-driven noise reduction technology, it delivers crystal-clear, natural sound even in complex acoustic conditions. With ultra-long-range pickup, real-time feedback suppression, and intelligent noise filtering, it ensures stable and high-quality voice capture across various scenarios. Its plug-and-play design and integrated structure make it ideal for high-standard, professional conference systems.

Features

- Ultra-long pickup distance with high sound gain.
- Intelligent noise reduction technology effectively filters various noises, restoring clear and natural human voice. Equipped with real-time feedback suppression to eliminate howling.
- Integrated rectangular column microphone rod (240mm length, non-detachable). Utilizes an electret cardioid condenser microphone and a red speaking indicator light. Comes with a dedicated 2-meter 8-core DIN high-density cable with an aviation male connector.
- Each microphone includes a AI audio interface box with a 12V input voltage.
- The audio interface box is equipped with two RCA sockets for unbalanced input, capable of receiving

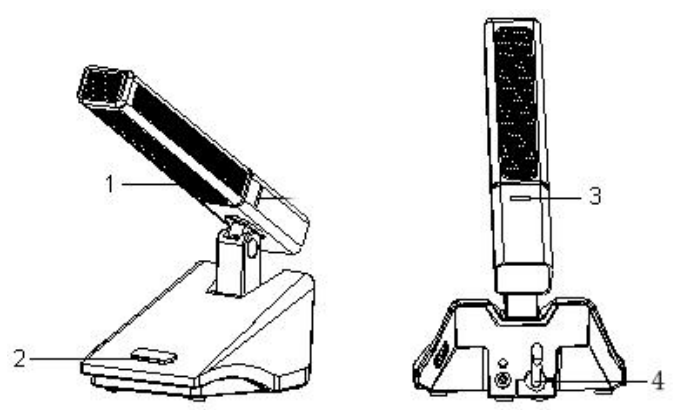
amplifier audio output or mixer line output.

- The audio interface box features one 3-pin XLR connector for balanced output, suitable for connection to professional amplifiers, mixers, or audio consoles.

Specifications

| Model | | D5831AI |
|--|-----------------------|--|
| Structure Type | | Desktop |
| Effective Frequency Range of Gain Limit ($\pm 3\text{dB}$) | Unit to Host LINE OUT | 80Hz-12kHz |
| Static Power Consumption | | <1.5W |
| Maximum Power Consumption | | 3W |
| SNR | | >80dB |
| Crosstalk Attenuation | | >80dB |
| Harmonic Distortion | | <0.3% |
| Working Power | | Power by the Host with DC12V |
| Unit Interface | | 8-pin DIN dedicated interface |
| MIC | Microphone Type | Electret Cardioid Condenser |
| | Sensitivity | -45dBV/pa |
| | Input Impedance | 2k Ω |
| | Equivalent Noise | 20dB(SPL) |
| | Max. SPL | 125dB(THD<3%) |
| Product Dimension | | (without MIC Rod) (L×W×H) 142×130×62mm |

Front / Rear Panel



1. Microphone Rod

2. Microphone Switch Button & Indicator Ring

- Press the button to turn on the microphone and the indicator will light up, allowing you to speak; press it again to stop speaking.

3. Microphone Indicator

4. 8-pin DIN Dedicated Interface

- Comes with a dedicated 2-meter 8-core DIN high-density cable with an aviation male connector.