

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

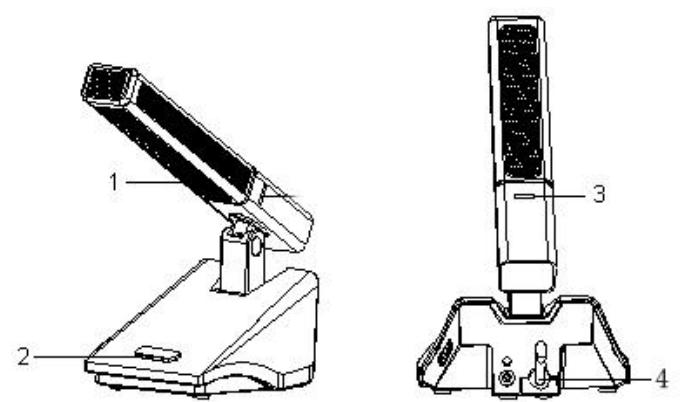
amplifier audio output or mixer line output.

- 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 (±3dB)	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	2kΩ
	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.