



## Description

This product is a high-fidelity pickup that uses a single diaphragm condenser microphone head and a high-fidelity/low-noise processing chip. Its voice is clear and clean with low noise. It has a built-in dedicated audio signal processor that effectively prevents voice signal distortion and attenuation while reducing noise. It has a built-in preamplifier circuit that can directly drive active speakers, hard disk recorders, recorders, etc. The pickup range can reach up to 50 square meters. It contains a dedicated potentiometer for reliable volume adjustment. It has built-in lightning protection, power polarity reverse protection, and electrostatic protection. It is suitable for ceiling or desktop installation and adopts dust and moisture protection technology. It is suitable for classroom recording, conference recording, banks, public security, procuratorial and judicial places.

## Features

- \*Adopt high-fidelity/low-noise processing chip, the voice is clear and clean with low noise;
- \*Built-in dedicated audio signal processor, which can effectively prevent voice signal distortion and attenuation while reducing noise;
- \*Equipped with a dedicated potentiometer for reliable volume adjustment;
- \*Built-in preamplifier circuit can directly drive active speakers, hard disk recorders, audio recorders, etc.
- \*Suitable for ceiling or desktop installation, and adopts dust and moisture-proof protection technology.
- \*Built-in lightning protection, power polarity reverse protection and electrostatic protection;
- \*It complies with RoHS standards and does not contain any hazardous substances banned by the EU in its structure.



### Specification

|                             |  |
|-----------------------------|--|
| Pickup range                | 5-50 sqm   |
| Audio transmission distance | 3000m  |
| Sensitivity                 | -35dB  |
| Frequency response          | 20Hz ~ 20KHz   |
| Directivity                 | Omnidirectional  |
| Signal-to-noise ratio       | 75dB (1m 40dB sound source SPL) 30dB (10m 40dB sound source SPL) 1KHz at 1Pa |
| Dynamic range               | 104dB(1KHz at Max dB SPL)  |
| Maximum sound pressure      | 120dB SPL (1KHz, THD 1%)   |
| Output impedance            | Maximum 600 ohms unbalanced  |
| Output signal amplitude     | 2.5Vpp/-25dB   |
| microphone                  | Diaphragm condenser microphone   |
| Number of Microphones       | Noise reduction circuit  |
| Signal processing circuit   | 8KV Air contact ESD, lightning protection, power polarity reverse protection |
| Protection circuit          | Built-in preamplifier circuit, can directly drive headphones                 |
| Drive capability            | 3 leads (power, audio, common ground)  |
| Connection                  | 3 core 0.5mm <sup>2</sup> RVVP shielded cable                                |
| Transmission cable          | DC 12V regulated power supply  |
| Supply voltage              | 40mA   |
| Supply current              | -30°C ~ 70°C   |
| Operating temperature       | White  |
| Color                       | ABS  |
| Shell material              | Φ78mm× 27mm  |
| Dimensions                  | 0.092kg  |