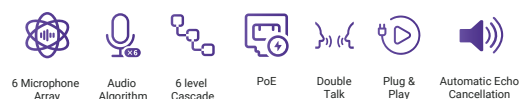


# CASCADING OMNIDIRECTIONAL DIGITAL ARRAY MICROPHONE



## BEAMFORMING BOUNDARY ARRAY MICROPHONE

### ProMic-T.Cas6

- Cascade digital array microphone up to 3 meters voice pickup.
- Minimal configuration plug and play.
- Support max 6 microphones cascading over PoE.
- Can cover the demand of large conference room.

## FEATURES

### Digital Array Microphone

Featuring a high SNR ring microphone array design, this system ensures clear audio pickup from long distances, allowing speakers to move freely around the room without constraints.

### Beamforming : Automatic Alignment to Speaker

Utilizing blind beamforming technology, the microphone offers precise positioning and adaptive sound field adjustments, enhancing voice clarity while improving anti-interference

### Smart Audio Algorithms : Clear Natural Sound

Equipped with a powerful audio processing unit, the system boasts ultra-low signal processing delay. Advanced features include adaptive fast convergence algorithms, intelligent voice tracking, noise reduction, echo cancellation, automatic gain control, and de-reverberation, enabling seamless dual talk in noisy environments.

### PoE Cascading : Even Coverage of Conference Room Pickup

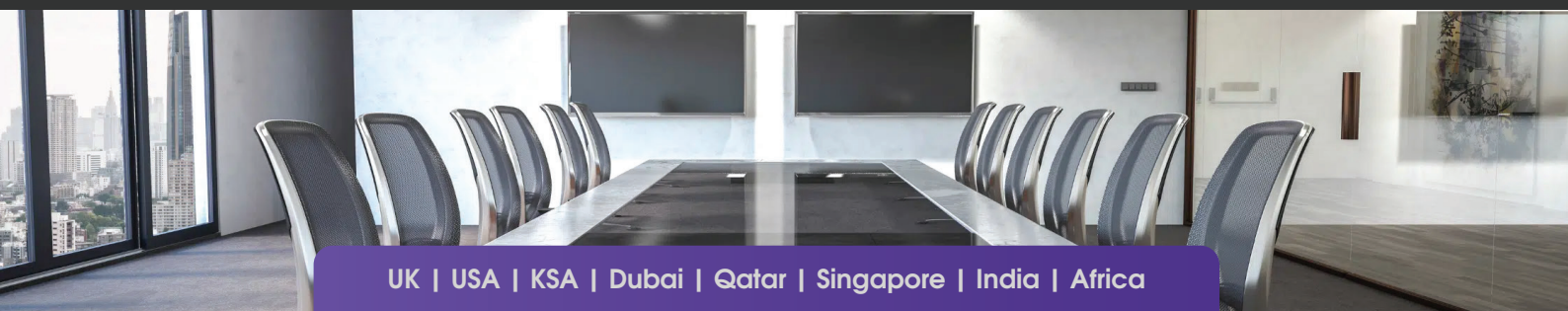
By cascading multiple PoE cables, this solution provides distributed sound pickup, ensuring even coverage and effective interaction across large and medium-sized conference rooms.

### Standard Interface : Plug and Play

Adopting the hot adhesive fabric wrapping process, the product can flexibly change the appearance color and pattern, adapt to various classroom decoration styles, integrate with the environment, and have a soft and natural visual effect, easily achieving seamless application in the classroom.

### Flexible Installation for Lifting/ Ceiling/ Wall Mounting

Support multiple installation methods such as desktop and lifting, flexible and fast deployment, and reduce operation



## AUDIO PARAMETERS

|                                   |   |
|-----------------------------------|---|
| Microphone Type                   | Digital Array Microphone  |
| Microphone Array                  | 6 omnidirectional microphones form a circular array for 360 degree omnidirectional pickup |
| Pickup Distance                   | 3m  |
| Sensitivity                       | -38 dBFS  |
| Signal Noise Ratio                | 65 dB(A)  |
| Frequency Response                | 50Hz - 16kHz  |
| Sampling Rate                     | 32K sampling, high-definition broadband audio   |
| Automatic Echo Cancellation (AEC) | Support   |
| Automatic Noise Suppression (ANS) | Support   |
| Automatic Gain Control (AGC)      | Support   |

## GENERIC SPEC

|                     |  |
|---------------------|--|
| Power Input         | PoE cascade 48V power supply, support IEEE 802.3 at standard             |
| System              | USB 5V 500mA (single)  |
| Installation Method | Desktop, lifting, wall mounted, ceiling mounted<br>Windows / Mac / Linux |
| Dimension           | Φ 170 mm × H 40 mm   |
| Net Weight          | 370 g  |

## HARDWARE I/O

|                   |   |
|-------------------|---|
| Network Interface | RJ45 up and down cascade network interface  |
| USB Interface     | USB audio interface (Type-C), support UAC1.0 protocol, audio data communication, software upgrade and parameter configuration |
| Analog Audio      | AUX1 , AUX2 line audio input and output   |

## CASCADE FUNCTION

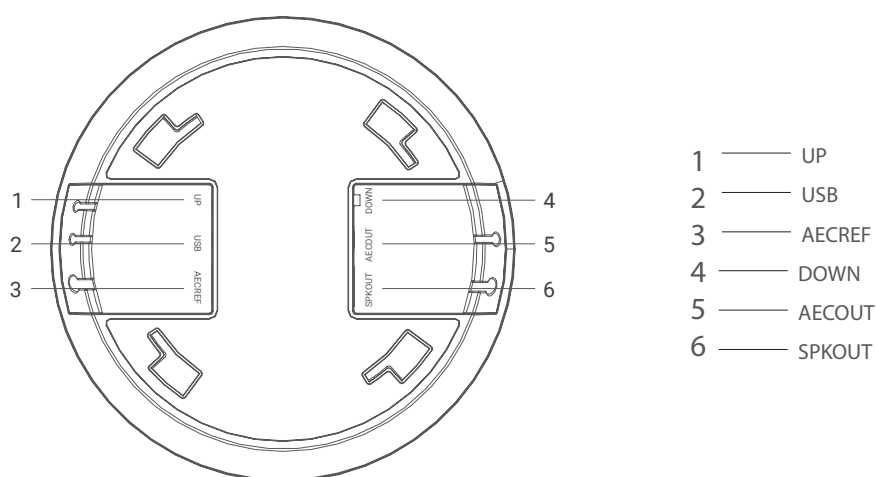
|              |                   |
|--------------|-------------------|
| Cascade Mode | PoE network cable |
|--------------|-------------------|

### Working Power

5VDC -  
USB Host Power

### Power Adaptor

5VDC -  
USB Host Power



Authorised Partner

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