# DS-QAPMCU128
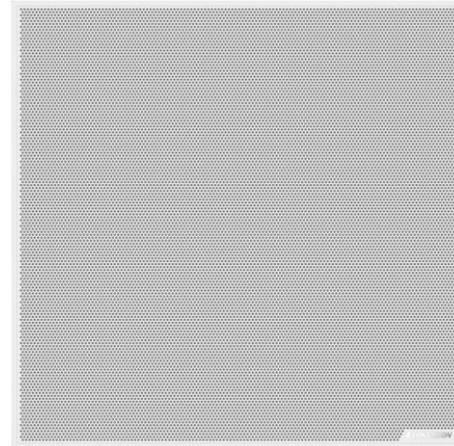## 128 MIC Network Ceiling Array Microphone

- Sound reinforcement pickup radius is 3 m, video conference pickup radius is 5 m
- 8 audio collection areas, allowing you to adjust the areas and set area priorities to ensure sound collection
- Support 48 kHz/24-bit high sampling rate, providing more authentic sound
- Support intelligent noise reduction algorithms, effectively solving various transient noise interference in the environment
- Support audio processing algorithms such as AEC, AFC, AGC, and EQ adjustment, and can support local amplification, remote conference, etc.
- Support AES67 international standard transmission protocol (subsequent versions will support AES67 third-party compatibility), effectively ensuring low-latency and high-synchronization transmission for the network audio system
- Support device activation, network setting, routing setting, parameter setting, and other related operations via audio assistant tool
- Support 1-channel LINE IN/2-channel LINE OUT analog interfaces, which can be used with analog audio systems.
- Support power supply and audio transmission via POE network cables, making installation and wiring more convenient
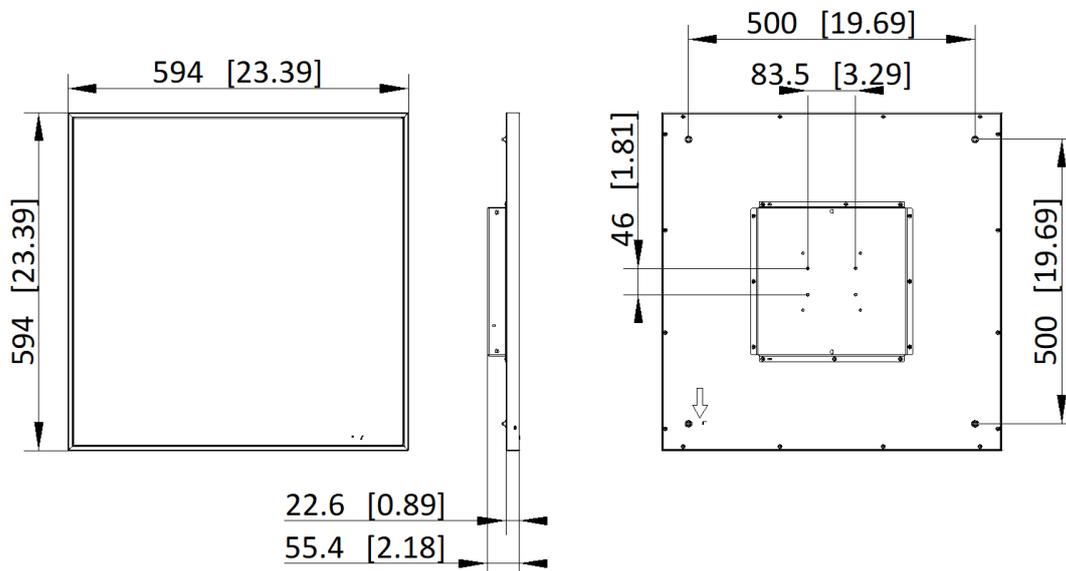
## ▪ Specification

| Microphone | |
|---|---|
| Type | MEMS |
| Amount | 128 |
| Frequency Response | 20 Hz to 20 kHz |
| Sensitivity | -38 dBv |
| SNR | 68 dB |
| Sampling Rate | 48 kHz |
| Dynamic Range | 104 |
| Acoustic Overload Point (AOP) | 130 dBSPL |
| Total Harmonic Distortion (THD) | < 1% |
| Quantization Bits | 24 bit |
| **Function** | |
| Audio Algorithm | COMP, Delay, Mixing, ALC, PEQ, Noise Gate, Beam Control |
| Audio Bit Rate | RTP 768000 bps, AES67 1152000 bps |
| Protection Function | Power Reverse Protection, Overcurrent Protection, Overvoltage Protection |
| **Network** | |
| Network Protocol | AES67, TCP/IP, ICMP, HTTP, HTTPS, DNS, RTP, RTSP, RTCP, NTP, QoS, UDP, SSL/TLS, IEEE1588 |
| Interface Protocol (API) | OTAP |
| Network Security | Password protection, complicated password, HTTPS encryption, basic and digest authentication for HTTP/HTTPS, security audit log, TLS 1.2/1.3 |
| **Interface** | |
| Network Interface | RJ45 1000 M Ethernet port × 1 |
| Local Storage | Built-in 32 GB EMMC × 1, 2 GB DDR4 × 1 |
| Audio In | LINE IN × 1, green phoenix terminal |
| Audio Out | LINE OUT × 2, green phoenix terminal, network output |
| LED Indicator | Light off: The device is not powered on. The program is not started. Breathing White: The device is powering on and initializing. Solid White: The device is running normally. Flashing White (10 times): Device recognition is in progress (when there are multiple devices in the system, click Identify Device on the client. Flashing Red: Device fault. Solid red: Device mute. |
| Reset | Support |
| **Compatibility** | |
| System Requirement | Recommended system configuration for Audio Assistant Tool: Operating System: Windows(R) 10 (recommended), Compatible with Windows(R) 7 / Windows(R) 8.1 / Windows(R) 11 CPU: Intel(R) i3-9100@4.2 GHz or above RAM: 4 GB and above Video Card: GT1030 D5 HDD: 20 GB Display: 1920×1080 and above |

### General

| General | |
|---|---|
| Power | DC 12 V, 2 A, max. 24 W; PoE：at |
| Material | Metal |
| Dimension | 594.0 mm × 594.0 mm × 55.4 mm (23.39" ×23.39" × 2.18") |
| Weight | Approx. 6 kg (13.2 lb.) |
| Operating Condition | -10 ℃ to 50 ℃ (14 °F to 122 °F). Humidity 90% or less (non-condensing) |
| Package Dimension | 710 mm × 137 mm × 745 mm (27.95" ×5.39" × 29.33") |
| With Package Weight | Approx. 9.2 kg (20.3 lb.) |
| Color | White |
| Installation | Ceiling-mounting (600 mm × 600 mm suspended ceiling), Pendant mounting (wall thickness ≥ 60 mm) |
| System Language | English |
| Mounting Bracket | Included: Crossbar Bracket, Safety Rope, Lifting Rope |

## ▪ Available Model

DS-QAPMCU128

## ▪ Dimension



Unit: mm [inch]

| SCALE | 1:2.5 |

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