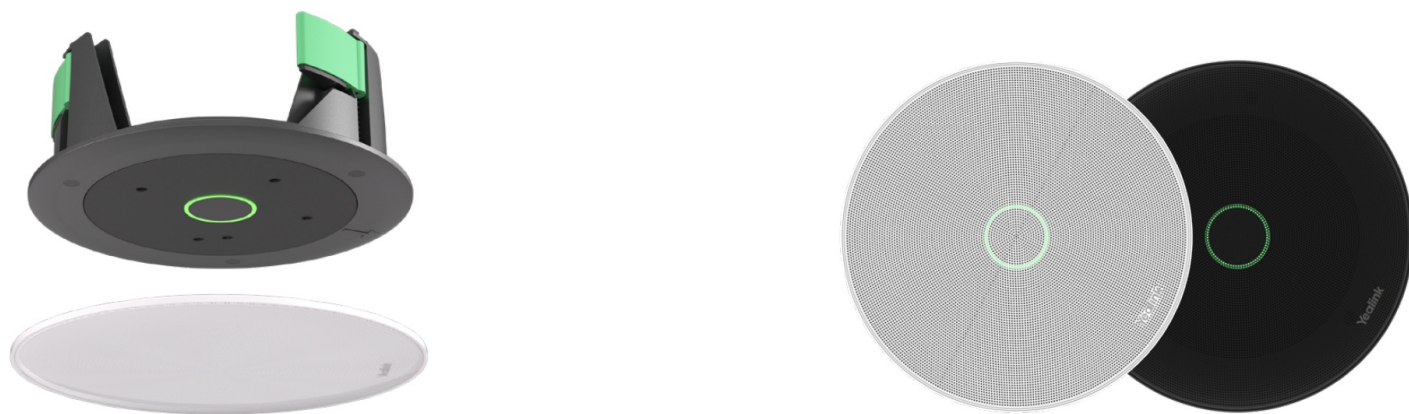


# Ceiling Microphone CM20 Datasheet

## Beamforming Ceiling Array Microphone for Unmatched Audio Clarity



The Yealink CM20 is a premium ceiling microphone, expertly crafted to enhance audio performance in professional conference settings. Boasting an advanced array of 16 omnidirectional microphones, the CM20 captures sound in 360°, ensuring clarity and inclusivity in every discussion. With an integrated DSP, CM20 offers plug-and-play functionality with Yealink MVC systems, removing the need for external audio processing. Designed for medium to large conference rooms, the CM20 combines advanced technology with a sleek, elegant design, making it a perfect blend of functionality and style.

### Key Features and Benefits

#### Advanced Microphone Array:

CM20 is equipped with 16 omnidirectional units, providing unparalleled audio clarity across 8 independent pickup zones.

#### Superior Coverage

Yealink CM20 has a premium quality 30 m<sup>2</sup> full-duplex audio capture (STIPA 0.78 at a pick-up radius 3.2 meters), and effective coverage of up to 60 m<sup>2</sup> (STIPA 0.72 at a pick-up radius of 4.5 meters), in the environment of RT60=408ms @1kHz, Noise Level=40dBA, 2.8-meter height, ideal for medium to large spaces.

#### Intelligent Sound Processing:

Integrates Yealink's advanced noise reduction, echo & reverberation cancellation technologies for crystal-clear audio in every meeting.

#### Intelligent Tracking: \*

Features 8 beam outputs for precise speaker tracking and integrates with room cameras for enhanced camera tracking, enriching meeting engagement.

#### In-built DSP for Simplicity:

Equipped with an integrated DSP, CM20 offers plug-and-play functionality with Yealink MVC systems, removing the need for external audio processing.

#### Network and Deployment Efficiency: \*

Supports AES67 for easy integration into audio networks. PoE enabled, requiring just one Ethernet cable for power and audio.

#### Versatile Ceiling Integration:

Offers various installation options, including in-ceiling, pendant, and on-ceiling, for effortless setup and integration.

#### Elegant and Unobtrusive Design:

Includes a removable magnetic suction mesh cover, adding a touch of sophistication while being discreet and easy to maintain.

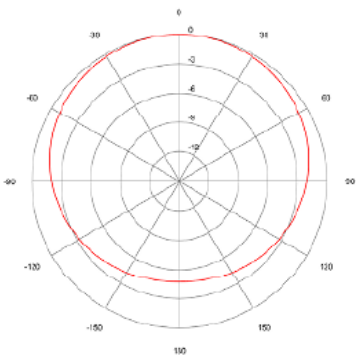
## Specifications

Package Content	<ul style="list-style-type: none"><li>• CM20 Microphone</li><li>• White Mesh Cover (Black Optional)</li><li>• Quick Start Guide</li><li>• Assembly Fixing Bracket</li><li>• Dust Cover</li><li>• Length-Adjustable Pole (Optional)</li><li>• Bracing Bridge × 1 pair</li><li>• Suspend Pole Adapter (Optional)</li><li>• Expansion Bolt × 6 (<math>\phi 6 \times 30</math> mm, white, Polyamide)</li><li>• Self-tapping Screw × 6 (T4 × 30mm)</li><li>• Machine Screw × 5 (3 × 6PMOZN3+)</li><li>• Bracing Bridge Screw × 20 (M3 × 6PWMHOZN3)</li></ul>
Audio Specifications	<ul style="list-style-type: none"><li>• Frequency Response: 120Hz-16kHz</li><li>• Maximum SPL: 122dBSPL</li><li>• Signal Noise Ratio: 86dB @&lt;1% THD</li><li>• Sensitivity: 0 dBV/Pa 94dBSPL@1kHz</li><li>• Microphone: 16 omni-direction microphone</li><li>• AEC Channel: 1 channel internal</li></ul>

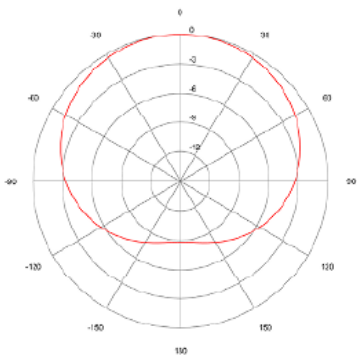
Physical Features	<ul style="list-style-type: none"><li>• Operating Temperature: 0-50°C</li><li>• Storage Temperature: 0-70°C</li><li>• Operating Humidity: 5%~90%</li><li>• Typical Power: 5.7 W</li><li>• Rated Power: 9 W</li><li>• Interface: 1 × RJ-45</li><li>• Power Supply: PoE (IEEE 802.3af, class 3)</li></ul>
Product Specifications	<ul style="list-style-type: none"><li>• Size:<ul style="list-style-type: none"><li>◦ <math>\Phi 223 \times H83</math>mm (with cover mesh)</li><li>◦ <math>\Phi 215 \times H81</math>mm (without cover mesh)</li></ul></li><li>• Weight: 615g</li><li>• Product Color: Pearl Light Gray</li><li>• Product Materials: ABS+PC&amp;iron mesh</li><li>• Plenum Rated UL 2043 (suitable for air handling spaces)</li></ul>
Logistic Information	<ul style="list-style-type: none"><li>• Box Size: <math>398 \times 310 \times 135</math>mm</li><li>• N.W/CTN: 2.8kg</li><li>• G.W/CTN: 3.3kg</li></ul>

## Polar Pattern

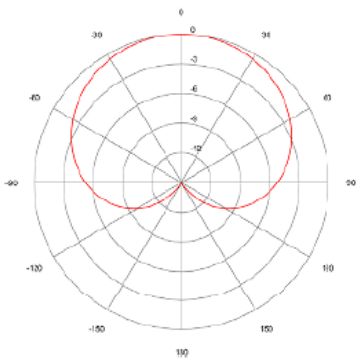
80Hz



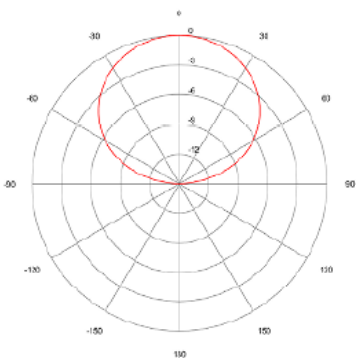
125Hz



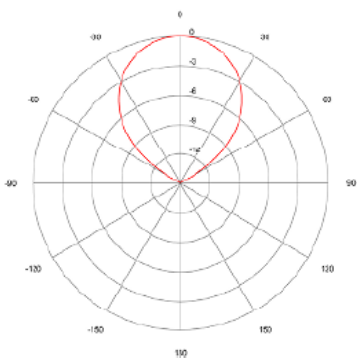
250Hz



1000Hz



2000Hz



8000Hz

