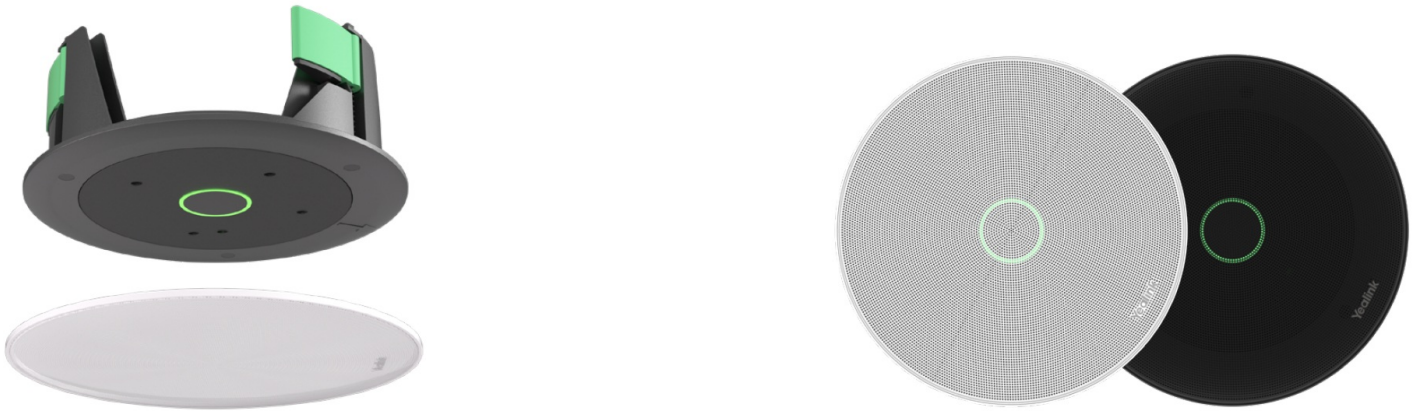


# Ceiling Microphone CM20 Datasheet

## 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.

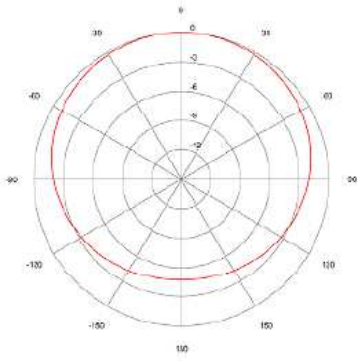
**Specifications**

<p>Package Content</p>	<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 (φ6 × 30 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>
<p>Audio Specifications</p>	<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>

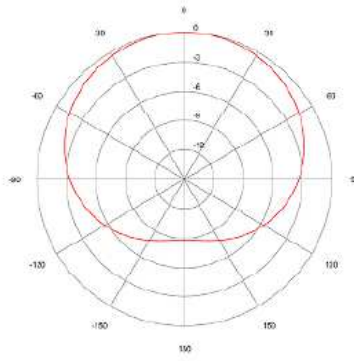
Physical Features	<ul style="list-style-type: none"> <li>• Operating Temperature: 0-50°C</li> <li>• Storage Temperature: 0-70°C</li> <li>• Operating Humidity: 5%~90%</li> <li>• Typical Power: 5.7 W</li> <li>• Rated Power: 9 W</li> <li>• Interface: 1 × RJ-45</li> <li>• Power Supply: PoE (IEEE 802.3af, 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: 398 × 310 × 135mm</li> <li>• N.W/CTN: 2.462kg</li> <li>• G.W/CTN: 3.078kg</li> </ul>

## Polar Pattern

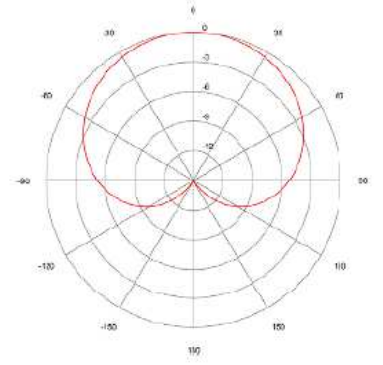
80Hz



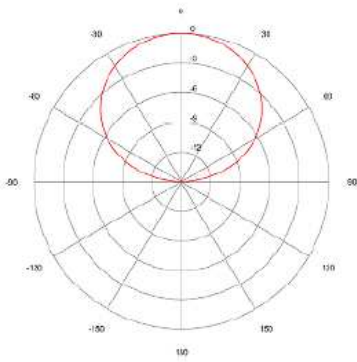
125Hz



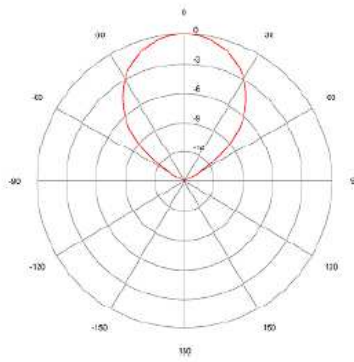
250Hz



1000Hz



2000Hz



8000Hz

