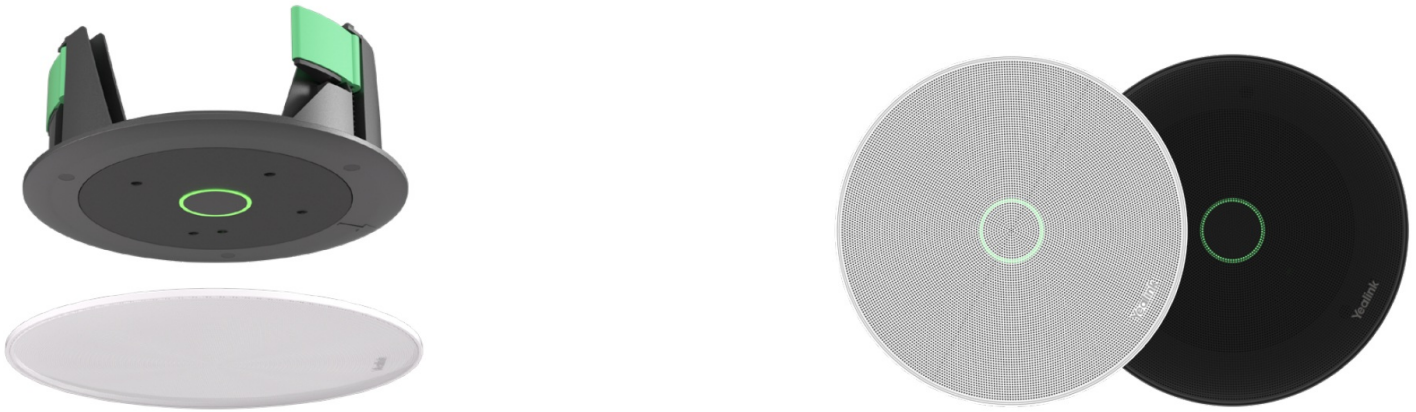# Ceiling Microphone CM20 Datasheet

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 ㎡ full-duplex audio capture (STIPA 0.78 at a pick-up radius 3.2 meters), and effective coverage of up to 60 ㎡ (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.
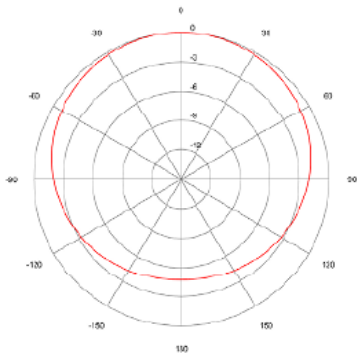
Specifications

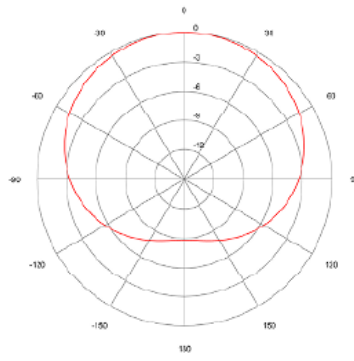| Package Content	
	• CM20 Microphone
	• White Mesh Cover (Black Optional)
	• Quick Start Guide
	• Assembly Fixing Bracket
	• Dust Cover
	• Length-Adjustable Pole (Optional)
	• Bracing Bridge × 1 pair
	• Suspend Pole Adapter (Optional)
	• Expansion Bolt × 6 (φ6 × 30 mm, white, Polyamide)
	• Self-tapping Screw × 6 (T4 × 30mm)
	• Machine Screw × 5 (3 × 6PMOZN3+)
	• Bracing Bridge Screw × 20 (M3 × 6PWMHOZN3)
Audio Specifications	
	• Frequency Response: 120Hz-16kHz
	• Maximum SPL: 122dBSPL
	• Signal Noise Ratio: 86dB @<1% THD
	• Sensitivity: 0 dBV/Pa 94dBSPL@1kHZ
	• Microphone: 16 omni-direction microphone
	• AEC Channel: 1 channel internal

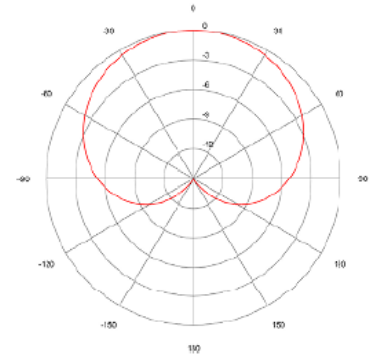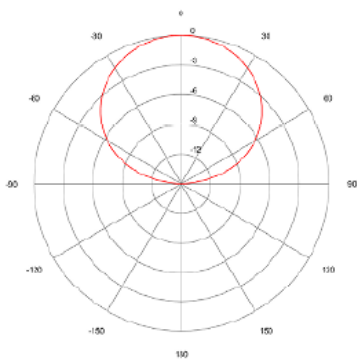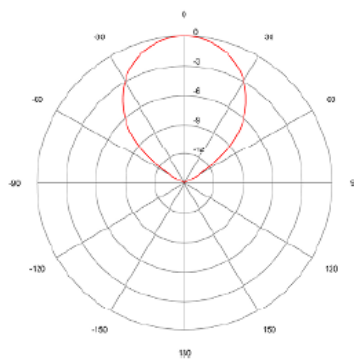| Physical Features	- Operating Temperature: 0-50°C - Storage Temperature: 0-70°C - Operating Humidity: 5%~90% - Typical Power: 5.7 W - Rated Power: 9 W - Interface: 1 × RJ-45 - Power Supply: PoE (IEEE 802.3af, class 3)
Product Specifications	- Size: - Φ223 × H83mm (with cover mesh) - Φ215 × H81mm (without cover mesh) - Weight: 615g - Product Color: Pearl Light Gray - Product Materials: ABS+PC&iron mesh - Plenum Rated UL 2043 (suitable for air handling spaces)
Logistic Information	- Box Size: 398 × 310 × 135mm - N.W/CTN: 2.462kg - G.W/CTN: 3.078kg

Polar Pattern

80Hz

125Hz

250Hz

1000Hz

2000Hz

8000Hz