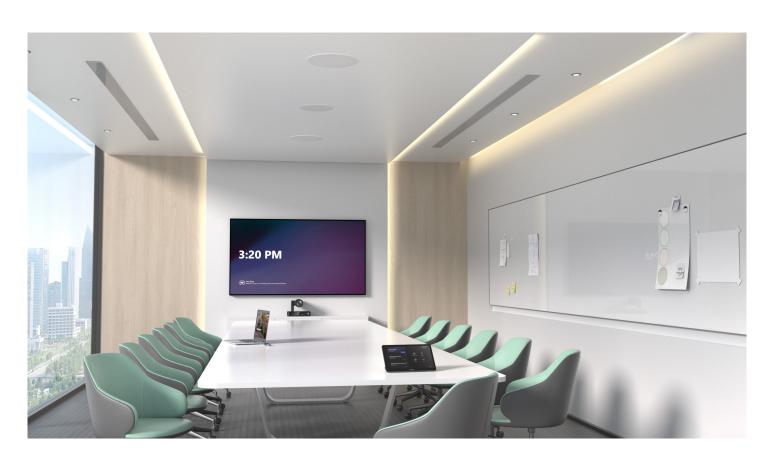
# SYSTEM DESIGN GUIDE Yealink



## Medium-Large Meeting Room with ProAudio Devices

In the realm of medium to large-scale meeting rooms, Yealink's MVC Room Solution serves as the bedrock platform, synergistically complemented by the MVC860, to deliver an impeccably efficient and intelligent audio-video conferencing experience. This comprehensive solution boasts an autonomous audio-video network infrastructure, meticulously engineered to guarantee the utmost security and reliability in the transmission of audio and video data.



## **Key Features**

### Full Scheme Teams and Unobtrusive Ceiling Integration

Yealink's comprehensive solution has obtained Microsoft Teams certification, ensuring seamless integration and interoperability. The entire deployment process is straightforward and efficient, catering to communication requirements in various scenarios. Removable magnetic suction mesh covers and completely embedded ceiling design enhance the aesthetic appeal of the ceiling integration.

### **Enhanced Beamforming Audio Capture**

The Yealink CM20 is equipped with 16 omnidirectional microphone units, offering unparalleled audio fidelity across 8 autonomous pickup zones. Each CM20 microphone provides extensive coverage of up to 60 m<sup>2</sup>, enabling high-fidelity full-duplex audio capture within 30 m<sup>2</sup>. This exceptional performance makes it an optimal choice for medium to large-scale environments, ensuring an elevated and immersive vocal playback experience.

### Crystal Vocal Playback Experience

Yealink employs meticulous professional audio tuning techniques to optimize the speakers for meeting room settings, ensuring exceptional vocal clarity and prominence. Through precise calibration, Yealink achieves an exemplary Crystal Clear Vocal Playback Experience, immersing participants in an elevated auditory encounter where voices are rendered with remarkable precision and distinction.

## Integrated DSP and Al-based Audio Processing

Equipped with an integrated DSP, CM20 offers plug-and-play functionality with Yealink MVC systems, removing the need for external audio processing. Yealink's exclusive intelligent noise cancellation and reverberation suppression algorithms leverage advanced signal processing techniques to dynamically optimize room acoustics, minimizing the degradation of human speech. This cutting-edge technology provides a superior acoustic experience, delivering exceptional sound quality with enhanced clarity and intelligibility.

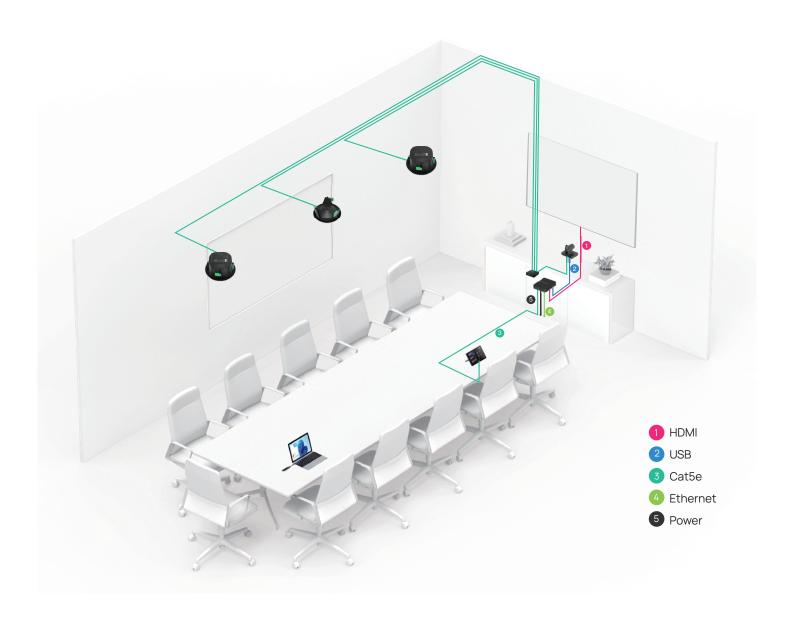
# Meeting Scenario

• Room Dimension: 5 × 8 m

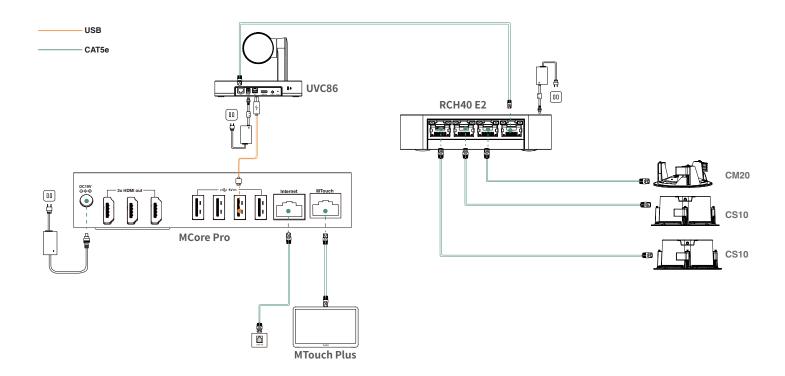
• Ceiling Height: 2.7-3.3 m

• RT60 Value: 500-800 ms

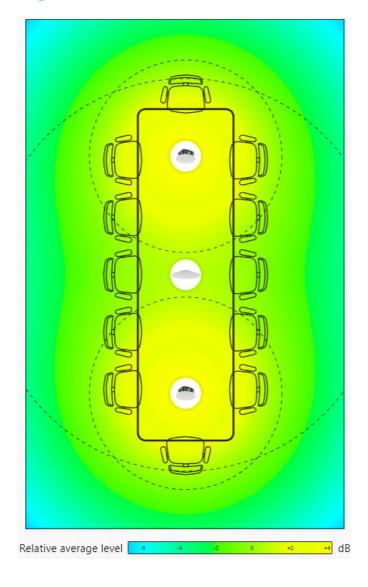
Noise Level: 42-48 dBA



## Connection



# Device Coverage Area



# Yealink Equipment List

Quantity	Product	Introduction
1	CM20	The Yealink CM20 is a premium ceiling microphone, expertly crafted to enhance audio performance in professional conference settings. Its 8 beams provide precise talker tracking.
2	CS10	The Yealink CS10, a low-profile 2-way coaxial network speaker, excels in video conferencing with its exceptional audio performance. CS10 blends high-quality audio with an elegant, minimalist design, making it a perfect match for contemporary meeting rooms.
1	RCH40 E2	RCH40 E2 is a compact and user-friendly meeting room switch introduced by Yealink. It features disabled EEE (Energy Efficient Ethernet) functionality and supports Dante and AES67 protocols for audio transmission.
1	MVC860	The Yealink MVC860 is purpose-built for medium to large-scale conference venues, providing comprehensive Al-powered video conferencing capabilities that enable flexible and automated speaker tracking, resulting in an enhanced conferencing experience. The system boasts a streamlined and expedited deployment process, showcasing its exceptional adaptability to diverse settings.



#### About Yealink

Yealink (Stock Code: 300628) is a global-leading provider of Unified Communication & Collaboration Solutions specialized in video conferencing, voice communications, and collaboration, dedicated to helping every person and organization embrace the power of "Easy Collaboration, High Productivity".

With best-in-class quality, innovative technology, and user-friendly experiences, Yealink is one of the best providers in more than 140 countries and regions, ranks No.1 in the global market share of IP Phone, and is the Top 5 leader in the video conferencing market (Frost & Sullivan, 2023).

For more information about Yealink, click here.

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Visit Yealink WIKI (http://support.yealink.com/) for firmware downloads, product documents, FAQ, and more. For better service, we sincerely recommend you to use Yealink Ticketing system (https://ticket.yealink.com) to submit all your technical issues.



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