Yealink

CP50

Video Conferencing Speakerphone

Yealink CP50 is a professional-grade conference room speaker that integrates noise reduction, echo cancellation, and reverberation removal. It features Yealink' s audio solutions and is equipped with an upgraded 8-unit omnidirectional microphone array for 360 ° pickup. It effectively eliminates conference room noises, including reverberation, echo, air conditioning vibration, and keyboard typing. Paired with high-quality full-frequency speakers, it delivers clearer and more natural human voice. It supports daisy-chaining for expanded conference spaces and flexible deployment, ensuring stable calls and clear video conferences, providing an immersive audio communication experience.



Key Feature

High-quality sound, smooth calls

Equipped with Yealink audio algorithms and an 8-unit omnidirectional microphone array, CP50 provides 360° sound pickup and effectively eliminates environmental noise. The high-quality full-frequency speakers make the sound clearer and more natural.

Full-duplex

Full-duplex allows for clear bidirectional communication, ensuring smooth and clear conversations during meetings.

Multi-unit cascading for distributed scenarios

Up to 8 devices can be cascaded via POE cable, meeting the pickup and amplification needs of different sizes of conference rooms, effectively avoiding sudden changes in sound volume and ensuring smooth communication (When cascading 4 or more CP50 devices with CPE40, it is necessary to choose the optional DC 48V/2A power adapter).

Integrated meeting control

Features integrated mute, volume +, volume -, and Bluetooth physical buttons, synchronizing with meeting software status for easy control of the meeting.

Multiple connectivity options

USB port for connecting to PC; internet port for connecting to video conferencing endpoint hosts; Bluetooth for connecting to mobile devices.

Wired content sharing/BYOD

When used with M500 and other devices, it can directly connect to a PC via Type-C for instant content sharing. When used UVC85 and other devices, it can directly connect to a PC via Type-C for utilizing conference room audio-visual peripherals during computer-based meetings.

Specifications

Power Supply

- Average power consumption: 7.2W
- Power input:
  - DC power adapter: DC48V/0.7A or DC48V/2A
  - PoE power: Not supported
- Power output:
  - USB external power: Not supported

Microphone

- Built-in 8-microphone array
- Pickup distance: 6m
- Signal-to-noise ratio: 71.8dB SPL @1kHz, A-weighted
- Maximum sound pressure level: 122dB SPL @ 1KHz, THD<1%
- Sensitivity: -38dB±1dB @ 1KHz (0dB = 1V/Pa)
- Frequency response: 100Hz~12KHz
- Sampling rate: 48KHz
- Bit depth: 16bit

Speaker

- Built-in 1 x 4W speaker
- Maximum output power: 6W
- Effective power (RMS): 4W
- Sensitivity: 100dB SPL +/-3dB SPL @0.1m, 1W
- Frequency response: 100Hz~20KHz

Audio Cascading

- When equipped with a standard 48V0.7A power supply, the CP50 can cascade up to 3 CPE40 units.
- With an optional 48V2A power supply, the CP50 can cascade up to 7 CPE40 units.

Audio Technology

- 360° omnidirectional pickup
- Full-duplex technology
- Automatic gain control
- Second-generation AI intelligent audio technology:
  - Intelligent noise cancellation
  - Intelligent echo cancellation
  - Intelligent reverberation cancellation

Hardware Interfaces

- Interface
  - 1×DC48V power interface
  - 1×Codec port: Connects to UVC cameras (e.g., UVC85) or VC main units (e.g., MeetingEye 500)
  - 1×Audio port: Connects to CPE40
  - 1×Type-C port: Connects to a computer
- Wireless
  - Wireless Bluetooth 5.0, stable transmission distance of 10m (unobstructed environment)

Environmental

- Operating humidity: 10~95%, non-condensing
- Operating temperature: 0~40°C
- Storage temperature: -30°C~70°C

Package Features

- Package includes:
  - CP50
  - DC power adapter(standard 48V/0.7A, optional 48V/2A)
  - 7.5m Ethernet cable
  - 1.2m dual-head USB-C cable
  - Cable ties*2
  - Cable cover*1; Screw*2
  - Quick Start Guide
- Quantity:4
- N.W/CTN: 6.1 kg
- G.W/CTN: 6.7 kg
- Dimensions: 665 *221 * 252 mm
- Giftbox Size: 241 * 216 * 162 mm
- Carton Size: 665 * 221 * 252 mm

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, 2021).

For more information about Yealink, click here.

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Technical Support

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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Yealink

CPE40

Video Conferencing Speakerphone

Yealink CPE40 is a professional-grade conference room speaker that integrates noise reduction, echo cancellation, and reverberation removal. It features Yealink's audio solutions and is equipped with an upgraded 8-unit omnidirectional microphone array for 360° pickup. It effectively eliminates conference room noises, including reverberation, echo, air conditioning vibration, and keyboard typing. Paired with high-quality full-frequency speakers, it delivers clearer and more natural human voice. It supports daisy-chaining for expanded conference spaces and flexible deployment, ensuring stable calls and clear video conferences, providing an immersive audio communication experience.



Key Feature

High-quality sound, smooth calls

Equipped with Yealink audio algorithms and an 8-unit omnidirectional microphone array, CPE40 provides 360° sound pickup and effectively eliminates environmental noise. The high-quality full-frequency speakers make the sound clearer and more natural.

Full-duplex

Full-duplex allows for clear bidirectional communication, ensuring smooth and clear conversations during meetings.

Multi-unit cascading for distributed scenarios

Up to 8 devices can be cascaded via POE cable, meeting the pickup and amplification needs of different sizes of conference rooms, effectively avoiding sudden changes in sound volume and ensuring smooth communication.

Integrated meeting control

Features integrated mute, volume +, volume - buttons, synchronizing with meeting software status for easy control of the meeting.

Specifications

Power Supply

- Average Power Consumption: 6W
- Power Input:
  -Powered by CP50 when connected
- Power Output:
  -USB Power Supply: Not supported

Microphone

- Built-in 8-microphone array
- Pickup distance: 6m
- Signal-to-noise ratio: 71.8dB SPL @1kHz, A-weighted
- Maximum sound pressure level: 122dB SPL @ 1KHz, THD<1%
- Sensitivity: -38dB±1dB @ 1KHz (0dB = 1V/Pa)
- Frequency response: 100Hz~12KHz
- Sampling rate: 48KHz
- Bit depth: 16bit

Speaker

- Maximum output power: 6W
- Effective power (RMS): 4W
- Sensitivity: 100dB SPL +/-3dB SPL @0.1m, 1W
- Built-in 1 x 4W speaker
- Frequency Response: 100-20kHz

Audio Cascading

- When equipped with a standard 48V0.7A power supply, the CP50 can cascade up to 3 CPE40 units.
- With an optional 48V2A power supply, the CP50 can cascade up to 7 CPE40 units.

Audio Technology

- 360° omnidirectional pickup
- Full-duplex technology
- Automatic gain control
- Second-generation AI intelligent audio technology:
  - Intelligent noise cancellation
  - Intelligent echo cancellation
  - Intelligent reverberation cancellation

Hardware Interfaces

- 1×Codec port: Connect to the previous omni-di-rectional microphone
- 1×Audio port: Connect to the next CPE40 omni-directional microphone
- 1×Type-C port: Connect to a PC (for internal debugging purposes, unavailable for external functionalities currently)

Environmental

- Operating humidity: 10~95%, non-condensing
- Operating temperature: 0~40°C
- Storage temperature: -30°C~70°C

Package Features

- Package includes:
  - CPE40
  - 3m Ethernet cable
  - Cable ties*1
  - Cable cover*1; Screw*1
  - Quick Start Guide
- Quantity: 4
- N.W/CTN: 4.1 kg
- G.W/CTN: 4.8 kg
- Dimensions: 151.8 *151.8 * 75.3mm
- Giftbox Size: 241 * 216 * 162 mm
- Carton Size: 665 * 221 * 252 mm

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Technical Support

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