Yealink UVC85-BYOD Datasheet

Yealink UVC85-BYOD Meeting Kits for Medium and Large Rooms

UVC85-BYOD is a premium audio and video conferencing kit designed specifically for medium to large meeting rooms. It includes the Yealink 4K Ultra HD intelligent Camera UVC85, the Yealink CP50 Professional-Grade Video Conference Speakerphone. Simply connect your computer with a single TYPE-C cable to access these professional devices. It's plug-and-play, providing a high-quality, professional meeting experience with ultra-clear video and lossless audio.

Key Features and Benefits

- Supports 4K video
- 12x optical zoom, 3x digital zoom
- Mechanical PTZ
- Auto-Framing
- Smooth PTZ control via remote control or Yealink camera control plugin software
- Audio integration, perfect pairing with Yealink audio devices
- Unified device management

UVC85 (Video Conferencing Camera)

Ultra HD 4K Camera

UVC85 supports 4K ultra-high-definition video. With excellent clarity and smoothness, and accurate color reproduction, it can precisely capture the best images of meeting participants, providing a clear and high-quality video experience.

36x HD Zoom, 90° Wide-Angle Lens

With 12x optical zoom, 3x digital zoom, and a 90° wide-angle lens, it easily covers medium to large conference rooms, ensuring everyone is in the frame and capturing details clearly, allowing remote participants to see everyone in the meeting room.

Audio and Video Integration

UVC85 can be used with audio devices such as the CP50/CPE40, offering extensive product expansion capabilities and providing an excellent audio experience.

Auto-Framing, Efficient Meetings

Auto-framing feature detects participants in real-time and adjusts to present the best frame according to their positions, eliminating adjusting the camera manually and allowing participants to focus on the meeting.

Flexible Installation, Easy Deployment

Complete installation kits allow you to place the UVC85 on a conference table, or mount it on top of a TV, on a wall, ceiling, TV stand, or tripod. The BYOD combination requires no complex wiring deployment; the PC only needs one USB cable to connect and activate audio and video capabilities.

Device Management

Supports unified management and reporting of the main device and its connected accessories, and unified upgrades, simplifying IT operation and maintenance costs and improving management advantages.

CP50 (Video Conferencing Speakerphone)

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 MeetingEye 500 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.

Specification

UVC85 (Video Conferencing Camera)

Parameter	Description
Package includes	• **UVC85** - VCR20 Remote Control and 2 AAA Batteries - DC Power Adapter (48V/0.7A) - Wall Mount Bracket and Accessories - 2.5m USB Cable (USB-A to USB-B) - 7.5m Gigabit Ethernet Cable - Cable ties * 2 - Lens Cap - UVC85 Quick Start Guide •**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 - CP50 Quick Start Guide • 1.8m HDMI Cable
Camera	• 8MP Camera • 90° DFOV, 80° HFOV, 50° VFOV • 9 preset positions • Mechanical PTZ • Pan: ±100° • Tilt: +30°, -90° • 36x HD zoom, 12x optical zoom, 3x digital zoom

	• Maximum video output resolution: 4K • Autofocus • Effective focal length: f=3.4mm-40.4mm • Aperture: F/1.8-F/3.6 • Exposure: Auto/Manual • White Balance: Auto Tracking/Manual/One-Push • Shutter Speed: 1/60~1/10000 sec
Device Management	• Yealink RoomConnect management tool • Yealink Management Cloud Service/Yealink Device Management Platform
AI Features	• Auto-Framing
Physical Interfaces	• 1x USB3.0 USB-B port (PC interface) • 1x USB2.0 USB-A port • 1x Internet port • 1x VCH port • 1x HDMI out port • 1x 3.5mm line in port • 1x 3.5mm line out port • 1x DC 48V power port • 1x security lock slot • 1x reset hole
Power Supply	• Average power consumption: 15.45W • Power adapter: AC 100~240V input, DC 48V/0.7A • Power input: - DC power adapter: DC 48V/0.7A - PoE power: Supports standard PoE power supply (802.3at) • Power output: USB power supply: Not supported
Product Features	• Sleep mode dimensions (W.D.H): 200mm x125mm x 172.6mm • Working mode dimensions (W.D.H): 200mm x125mm x 151mm • Working height: 151.6mm-173.8mm
Other Physical Features	• Operating humidity: 10~95% • Operating temperature: 0~40°C • Storage temperature: -30°C~70°C

CP50 (Video Conferencing Speakerphone)

Parameter	Description
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-wighted • 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 • Frequency Response: 100-20kHz • Sensitivity: 100dB SPL ± 3dB @0.1m, 1W • Maximum Power: 6W • Rated Power: 4W • Sampling Rate: 48kHz • Sound Emission Angle (-6dB Attenuation): 120° @2kHz • Total Harmonic Distortion (THD): THD at 1W, 1kHz < 1% • Rated Impedance: 4ohms
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

For more information, refer to Yealink official website.