

Yealink MeetingBoard 86 Pro Display For Microsoft Teams (MB86Pro-A02)



Product Name: Yealink MeetingBoard 86 Pro Display For Microsoft Teams (MB86Pro-A02)

Manufacturer: Yealink

Model Number: MB86Pro-A02

Please Note: This product does not come with Floor Stand.

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All-in-one and Interactive Meeting Device

Yealink MeetingBoard Pro is the latest all-in-one meeting device with 3 sizes (65", 75", and 86") designed for small to large rooms. This intelligent meeting device integrates video conferencing, HD wireless content sharing, and an electronic whiteboard, supporting up to 4K video call quality. Its all-in-one design and flexible mounting options offer easy installation and are perfect for seamless video conferencing. This product delivers cutting-edge audio and video communication capabilities, powered by advanced AI technology, ensuring crystal-clear sound and ultra-HD visuals. With intelligent full-duplex, IntelliFocus, and video fence, it redefines the video conferencing experience, bringing unparalleled clarity and efficiency to every meeting. The MeetingBoard Pro also supports native Teams and Zoom and is certified by both platforms.

Yealink MeetingBoard 86 Pro Key Features

- Streamline Installation and Deployment

- Triple-eye Camera System (3*50MP)

- AI-Powered View: IntelliFocus, Video Fence

- Pro Sound: 12-meter full duplex (39 feet), noise cancellation, and noise reverberation

- Support native Teams, Zoom, and General Mode

- Dual-Solution (MTRA/MTRW)

- Support whiteboard collaboration

All-In-One Design, Streamline Installation and Deployment

Yealink MeetingBoard Pro, with its all-in-one design and versatile mounting options (wall-mounted or floor-stand), offers simplified installation and deployment, making it the perfect choice for seamless video conferencing. The uncluttered design and simple deployment take only 12 minutes to set. At the same time, as the MeetingBoard Pro integrates the functions of meeting, display, and whiteboard, users only need to manage a single device, significantly reducing management complexity.

Built-in Triple-eye Camera with 50MP, Providing "Face-to-Face" Meetings

The MeetingBoard Pro has a built-in triple-camera system, each with 50MP resolution—one for wide-angle (1/1.56 Sony Sensor) and two for telephoto (1/2 Sony Sensor), ensuring high-resolution imaging across different focal lengths. The professional-grade lens delivers low grain, natural colors, and HD image quality. The IWB features a built-in automatic physical privacy shutter that blocks the camera when not in use, ensuring privacy protection for users. It also supports the external PTZ camera (MB-12X Pro) with optical zoom for long-distance tracking and 4K lossless zoom for close-ups.

Powerful Camera AI Tracking, Immersive Meeting Experience

With a dedicated AI video processor, MeetingBoard Pro supports auto framing, speaker tracking, Picture-in-Picture (PIP)*, IntelliFocus, video fence, and audio fence. All camera AI features are seamless, with fast tracking, ensuring a smooth overall meeting experience. IntelliFocus displays close-ups of the last active speakers separately, and also provides a panoramic view of all participants at the bottom of the screen, allowing more participants to appear on the screen and engage fully with the other party, thereby making the meeting more realistic. The Video Fence feature enables users to create virtual meeting spaces in semi-open environments, preventing non-participants from being mistakenly tracked.

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Powerful AI Enhanced Audio, Enhanced Pro Sound

The built-in array of 16 microphones and stereo speakers with a dedicated AI audio processing chip ensures excellent sound pickup, noise cancellation, and reverberation. With powerful computational capabilities, it creates a groundbreaking experience. It supports 12-meter full-duplex calls covering every corner of the conference room. Intelligent noise cancellation (e.g., keyboard typing, door opening/closing, chair dragging), and noise reverberation (especially in rooms with glass walls), help reduce distractions and keep communication focused. MeetingBoard Pro also supports external microphones, including desktop microphones (wired and wireless) and ceiling microphones for extended pickup range, covering larger areas.

Intelligent Whiteboard, Ultra-Low Latency Writing, Sparking Team Creativity

It supports dual-person simultaneous writing and also supports one writing, and the other erases, without interfering with each other, significantly improving meeting efficiency. Palm rejection ensures clean, clear content. With the four-level stylus, users can experience fluid writing, pen tips for writing, and pen tails for erasing and simulating a paper-like experience. It also supports gesture controls for drawing and palm erasing. Intelligent charts, shapes, image insertions, and sticky notes make discussions more dynamic.

Open Ecosystem, Flexible Conferencing on Multiple Platforms

Supports certifications from leading domestic and international video conferencing platforms, such as Teams, Zoom, etc. (listed alphabetically). It also offers a USB peripheral mode (BYOD) that allows the device to function as an external display and audio device for your computer, enabling larger-screen conferencing experiences. It supports the OPS module by providing a Windows system and meeting professional application needs in some sectors such as education and manufacturing.

Supports Yealink Room Accessories for Various Meeting Room Sizes

Supports wireless (or wired) expansion microphones, external PTZ cameras (MB-12X Pro), touch panels, movable stands, and 4K wireless presentation pods, providing a complete meeting room solution for different meeting needs.

Yealink MeetingBoard 86 Pro Technical Specifications

System Overview

½ Operating System: Android 13.0

½ Storage: - Memory: 8GB - Flash: 64GB

½ CPU: 4 cores at 2.2GHz + 4 cores at 2.0GHz

½ AI Computing Power: 13.2T FLOPS

Display

½ Size: - MeetingBoard 86 Pro: 86 inch

½ Anti-glare panel

½ Resolution: 3840 x 2160

½ Color Gamut: 72% NTSC/99% sRGB

½ Color Depth: 1.07G (10bit)

½ Contrast Ratio: 1200:1

½ Brightness: 400 cd/m²

½ Refresh Rate: 60 Hz

½ Viewing Angle: 178°(H)/178°(V)

½ System wake-up: Motion sensor

Touch

½ Touch Technology: Infrared

½ Touch Height: 1.5 mm

½ Touch Accuracy: ±1 mm

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- Touch Points: 20 points
- Touch latency: 21 ms; Measured under yealink whiteboard
- Four-level stylus

Camera

- Max Resolution: Built-in triple 50MP camera
- Image Sensor: Sony Sensor X3
- Viewing angle: Wide-angle HFOV 98.2°
- PTZ type: Electronic pan-tilt
- Zoom/Digital zoom: 4x digital zoom
- Max resolution: 3840 x 2160
- Max frame rate: 60Hz
- Video output resolution: 3840 x 2160
- Autofocus: Supported
- Wide dynamic range: Supported
- High dynamic range imaging: Supported
- Exposure: Auto
- White balance: Auto/Manual/ATW
- Number of presets: 9
- Privacy shutter: Electric privacy shutter
- Swappable optical zoom camera module: - MB-12X Pro:

- 8MP, Sony image sensor
- 12x optical zoom
- Lens angle: DFOV 90°, HFOV 80°, VFOV 49°
- Horizontal rotation: ±100°
- Vertical rotation: 0°/-90°

- AI Smart Framing: - Auto framing - Speaker tracking - Picture-in-picture (PIP) - IntelliFocus
- Video fence

Speakers

- Speakers: - Stereo Speakers
- Frequency response: 90~20KHz
- Sensitivity: 87±3 dB SPL@0.5m, 1W
- Sampling rate: 48KHz
- Expansion output: Supports RCA output
- THD (Total Harmonic Distortion): at 20W, 1KHz, <5%
- Rated impedance: tweeter-4ohm; full-range speaker-8ohm
- Rated power: 30W
- Max power: 36W

Microphones

- Built-in 16 MEMS microphone array
- Pickup distance: 12 meters full-duplex
- Signal-to-noise ratio: 70dB@1KHz
- Max sound pressure level: 130dB SPL
- Equivalent noise level: 24dB SPL
- Dynamic range: 24-130dB SPL

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• Sensitivity: -38dBV/Pa
• Frequency response: 20Hz~20KHz
• Sampling rate: 48KHz
• Bit depth: 24-bit
• Expansion input: supports RCA input

Video Resolution

• Lens resolution: supports up to 4K30fps
• Content sharing: supports up to 4K60fps (HDMI In) locally, and up to 4K15fps in meetings

Content Sharing

• Wired screen sharing: - HDMI In - VCH51
• Wireless screen sharing: - AirPlay - Miracast - Wireless Presentation Pod (unavailable in the United States)

Audio Codec and Technology

• Yealink AI Audio 2.1: - Multi-channel echo cancellation processing - Noise suppression technology - Multi-channel reverberation cancellation technology - Multi-channel acoustic echo cancellation - Lip sync detection - Automatic gain control - Far-field full-duplex pickup technology - Beamforming directional pickup technology - CNG/PLC/AJB/De-Reverb

Video Codec and Technology

• Video codecs: H.264 SVC, H.264 High Profile, H.264,

Network Protocols

• Wi-Fi 6: - 2.4G & 5G dual-band, 802.11a/b/g/n/ac/ax - 2x2 MIMO
• Bluetooth 5.1
• TCP/IP (IPv4/IPv6), DHCP/Static IP
• HTTPS secure web access

Security

• Encryption protocols: supports H.235/TLS/signaling encryption
• Encryption algorithms: supports SRTP media stream encryption and AES-256 encryption
• Security mechanisms: supports VLAN, 802.1P/Q, Diffserv, and other QoS services
• Security protocols: supports 802.1X, LLDP-MED, and other network security protocols
• Web security: supports HTTPS web security management
• Secure connection: supports OpenVPN
• Other security mechanisms: - Built-in security encryption certificate - Supports protection against network and protocol attacks - Supports meeting password to ensure meeting security - Supports meeting whitelist and blacklist

Configuration Management

• Configuration methods: Web/Device/Touch screen
• Debugging interface: RJ45/USB 2.0
• Upgrade methods: Web/TAC/ZDM/USB
• Device management: Yealink Management Cloud Service (YMCS), Microsoft Teams Admin

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Center (TAC), MTR Portal Management Platform (PMP), Zoom Device Platform (ZDM)
• Batch deployment tool: supported
• SNMP protocol: supported

Hardware Description

• Power switch (with power status indicator light)
• Reset button
• 1 LED MUTE light
• Human motion sensor (for automatic device wake-up)

Installation Methods

• Wall-mounted installation
• Wall-stand installation
• Floor-stand installation

Hardware Interfaces

• Display output interface: 1 x HDMI output interface (supports CEC)
• Content input interface: 1 x HDMI input interface
• Line input interface: 1 pair of RCA line inputs
• Line output interface: 1 pair of RCA line outputs
• 3 x USB-A 2.0 interfaces
• 2 x 10/100/1000Mbps adaptive network ports
• 2 x RJ45 VCH custom interfaces, for wired expansion microphones/wired sharing box, etc.
• 1 x Windows OPS slot
• 1 x AC power interface
• 1 x USB-B touch output interface
• 1 x Pluggable camera module interface (on the top)

Packaging

• 1 x MeetingBoard Pro
• 1 x Cable pack: - 1 x 3m AC power cable - 1 x 3m CAT5E network cable - 4 x Stylus pens - 3 x Cable ties - 1 x Quick Start Guide

Note: MB-WallMount is sold separately and not standard.

Environmental Factors

• Operating humidity: 5~95%
• Operating temperature: 0~40°C
• Storage temperature: -20~60°C

Power Supply

• Power Consumption: - MeetingBoard 86 Pro - Max: 357W - Typical: 199W
• Power adapter: 100-240V~50/60Hz
• USB output: 5V~0.5A

Device Dimensions and Weight

• Packaging dimensions (W × D × H): 2095 x 225 x 1310 mm

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• Bare device dimensions(W × D × H): 1951 x 105 x 1218 mm

• With stand dimensions(W × D × H): 1951 x 858 x 2058 mm

• VESA hole specs: 800 x 600 mm

• Gross weight: 83.2 kg (183.02 lbs)

• Net weight: 65.6 kg (144.7 lbs)

• Quantity: 1 unit/box

Please Enquire
