Yealink MeetingBar A40 Datasheet

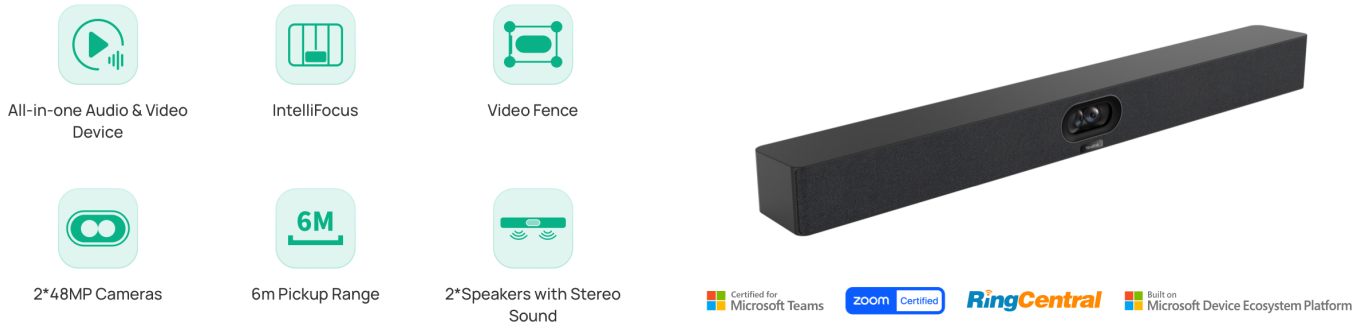
All-in-One Android Video Collaboration Bar for Small to Medium Rooms

Yealink MeetingBar A40 is an all-in-one video collaboration bar for premium small-to-medium rooms. It will combine the images from two 48MP lenses, present a higher pixel picture, and deliver clearer image quality. It also features built-in 2 stereo speakers, 8x MEMS microphone array, and supports 2 additional expansion microphones*. The intelligent noise reduction technology provides a good audio experience.

Yealink MeetingBar A40 allows for the upgrade to the latest Android operating system, Android 13, and will continue to receive future upgrades. It can ensure that users can enjoy the latest features and improvements as they become available. In addition, it is compatible with Microsoft's MDEP, which enhances security and deployment experiences. This integration provides users with a more secure environment and streamlined deployment processes, contributing to a smoother and safer user experience.

Moreover, Yealink MeetingBar A40 features a direct connection to CTP25, enabling a simplified login process. This streamlined login experience saves users time and enhances convenience.

*Support 2x expansion microphones: Optional



Key Features and Benefits

- Ultra HD picture quality*
- High-quality audio pickup experience*
- Compatible with Microsoft's MDEP
- Multi-Platform Flexibility

- Simple deployment
- Remote device management

Ultra HD picture quality

The dual lens fixed-focus stitching solution combines the images from two lenses to achieve a higher pixel density, resulting in clearer and sharper image quality. This is beneficial for detailed observation during meetings, document presentations, and the viewing experience of remote participants.

High-quality audio pickup experience

Yealink MeetingBar A40 has a 6-meter voice pickup range and built-in stereo speakers, 3-meter full-duplex technology, and 8x MEMS microphone array. The intelligent noise reduction technology provides a good audio experience. In addition, it can support 2 additional expansion microphones, which can cover a large conference room.

Compatible with Microsoft's MDEP

Yealink MeetingBar A40 is compatible with Microsoft's MDEP, which enhances security and deployment experiences. This integration provides users with a more secure environment and streamlined deployment processes, contributing to a smoother and safer user experience.

Multi-Platform Flexibility

Yealink MeetingBar A40 supports native Teams, Zoom, etc. Additionally, it supports wired General Mode. After entering BYOD mode, you can take MeetingBar A40 as the peripherals for meetings held by third-party apps.

Simple deployment

Yealink MeetingBar A40 features a direct connection to CTP25, enabling a simplified login process. Only need to log in once. This streamlined login experience saves users time and enhances convenience.

Remote Device Management

Yealink MeetingBar A40 is networked and reported to the device management platform, and then can be remotely managed, configured, and upgraded.

Specifications

Parameter	Description
Operating System	• Android 13 • Based on Microsoft Device Ecosystem Platform (MDEP)
Camera	• Number of cameras: 2 • Lens FOV

	○ 2x Tele Camera:120° DFOV, 110° HFOV, 54° VFOV • Maximum pixels: 2 * 48MP pixels • Number of preset positions: 9 • Depth of field: 1-5 meters • 6x digital zoom • Maximum resolution: 3840 * 2160 • Video output resolution: 4k (2160p) 30fps, 1080p60fps • Effective focal length: 4.2 mm • Aperture: F/2.2-F/2.4 • Supports wide dynamic range • Supports auto exposure • White balance: ATW/auto/manual • Shutter speed: 10ms-33ms • Minimum illumination: 0.5 lux (daytime), 0.1 lux (nighttime) • Signal-to-noise ratio: >63 dB • Privacy cover: Electric lens cap • Electronic gimbal • Lens calibration • Intelligence Features ○ IntelliFocus (up to 4 portraits) ○ Auto Framing ○ Speaker Tracking ○ People counting ○ Picture in Picture ○ Smart Gallery (Zoom only)
Speaker	• Built-in 2 x 10W speakers ○ Rated Power: 10W + 10W ○ Maximum Power: 12W + 12W • Maximum sound pressure level: 92 dBSPL @ 10 W @ 1 m • Frequency response: 100-16kHz • Sensitivity: 100±3dB 1 W/0.1 m • Sampling rate: 48kHz

	• Sound emission angle: Forward-facing • Total Harmonic Distortion (THD): at 10W, 1kHz, ＜5% • Rated impedance: 4 ohms
Microphone	• Built-in 8 MEMS microphone array • 6-meter pickup distance, 4-meter high-quality pickup distance • Signal-to-noise ratio: 72dB@1kHz • Maximum sound pressure level: 130dBSPL (whole device), 100dBSPL (individual microphone) • Dynamic range: 28-100dBSPL • Sensitivity: -38dBV/pa • Frequency response: 100-20kHz • Sampling rate: 48k • Bit depth: 32-bit • Audio processing: Full duplex, AEC (Acoustic Echo Cancellation), AGC (Automatic Gain Control) • Noise suppression: AI-enhanced noise suppression • Expansion mics: Supports 2 expansion microphones
Resolution	• Lens resolution: up to 4k30fps • Bandwidth requirement: 10Mbps or more
Content sharing	• Teams: 1080p30fps in meeting, 4k30fps in local sharing • Zoom: up to 1080p30fps • General mode (BYOM): up to 4k30fps • RingCentral: 1080p30fps • H.323/SIP: 1080p30fps
Video Codec	H.264 High profile, H.264 SVC, H.264
Audio Codec	• ARES: 24kHZ bandwidth • G.722.1C: 16kHz bandwidth • G.722.1: 8kHz bandwidth • G.722: 8kHz bandwidth • G.711 (PCMA/PCMU): 4kHz bandwidth • G.729: 8kHz bandwidth

Security	• Full disk encryption: AES-128, AES-256 • Data encryption: symmetric keys, PKI • Device Identity: Protected by device attestation • Device Access: Authenticated using API • Key Protection: Arm TrustZone, RPMP
Communication standard protocol	• H.323/SIP in General Mode (BYOM) • Dual stream protocol: H.239 (H.323) / BFCP (SIP) • FECC: H.224/H.281 • H.323 protocol suit: H.245, H.225, H.235, H.241 • Gatekeeper account and SIP account

Network Protocol	• Wi-Fi 6
	  ○ 2.4G & 5G dual-band, 802.11a/b/g/n/ac/ax
	  ○ 2x2 MIMO
	• Bluetooth 5.0
	• TCP/IP (IPv4/IPv6), DHCP/static IP
	• HTTPS secure web access

Configuration Management	• Automatic configuration via web page/display/AutoP • Firmware upgrade, factory reset • Configuration import and export • System log export
Device Management	• Yealink HTTPS Web Portal • Yealink Device Management Platform • Yealink Management Cloud Service • Microsoft Device Management Platform(Microsoft Teams Admin Center/ Intune) • Zoom Device Management • RingCentral Admin Center
Installation	• Wall mount (Provided with the product) • Use TV-Clip Mount (Provided with the product) (Additional: purchase VCS_TVMount2 or VB-TVMount-01) • Place on the desktop (Additional: purchase VB-TabletopMount-01)

Ports	• 1x USB2.0 USB-A port
	• 2x USB2.0 USB-C port
	• 1x USB3.0 USB-C port
	  ○ Video input supports formats up to maximum 4k30fps, including 1080P60fps
	• 1x Ethernet port: 10/100/1000Mbps
	• 1x Yealink VCH port (RJ-45)
	• 2x HDMI-out
	  ○ Video output supports formats up to maximum 4k30fps, including 1080p60fps
	  ○ Supports HDMI CEC
	• 1x 3.5mm Line-in & Line-out port
	• 1x Power port
	• 1x Security lock slot
	• 1x Reset slot
	• HDMI input (through the VCH51 Sharing Kit)

Package	• MeetingBar A40
	• Power adapter, 3.5m/11.48ft
	• 2x HDMI cable, 1.8m/5.91ft
	• 1x Network cable, 3m/9.84ft
	• TV-Clip Mount
	• Wall Mount
	• Cable Cover
	• MeetingBar A40 Quick Start Guide
	• Optional Package
	  ○ A40-010: A40+VCR11
	  ○ A40-031: A40+CTP25 Package (CTP25, 2m/6.56ft 65W PD power adapter, 7.5m/24.6ft Network cable, 1.2m/3.94ft USB C to C cable, High stand, Cable management cover)

Environmental Factor	• Operating humidity: 10 - 95% • Operating temperature: 0 - 40°C • Storage temperature: -30°C~70°C

	• BTU/hr: 38 in idle, 58 in meeting
Dimensions and weight (W × D × H)	• MeetingBar A40: 650 × 80 × 62 mm • N.W/CTN: 5.540 kg • G.W/CTN: 6.086kg
Warranty	• Standard: 2-year limited hardware warranty included • Extended: Additional extended warranties are available at the time of hardware purchase. Contact your reseller.

MeetingBar Kit

Meeting Room Type	Model	Kit Contain	Related Topic
Small to Medium Meeting Room	A40-010	MeetingBar A40 VCR11	MeetingBar A40
Small to Medium Meeting Room	A40-031	MeetingBar A40 CTP25	MeetingBar A40