MeetingBar A20 Datasheet

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

Yealink MeetingBar A20 is an all-in-one video collaboration bar for small to medium rooms. Featuring a 20MP camera and 120° wide-angle lens, A20 delivers outstanding video quality. Together with the electric lens cap, its AI technologies, including Auto Framing and Speaker Tracking, allow users to experience a smarter and safer video conference. With 8 MEMS microphone arrays and Yealink AI-based noise-proof technology, A20 brings an excellent audio experience in small rooms, even in full-duplex mode, and ensures that everyone can be heard as well as seen. Moreover, A20 combines a computing unit, camera, microphones, speaker, Wi-Fi, and Bluetooth, which provides a solution for simple deployment. A20 supports cloud video platforms like Microsoft Teams and Zoom, so no room PC is required. A20 is capable of content sharing and whiteboarding, which makes meetings more communicative and collaborative. Simple and flexible deployment with powerful features delivers excellent video collaboration performance.

Key Features and Benefits

- All-in-One Design
- 20MP Camera
- 120° Field of View
- Electric Privacy Shutter
- Dual Screen
- Auto Framing and Speaker Tracking
- Built-in Bluetooth 4.2
- Built-in Dual-band Wi-Fi
- Content Sharing
- Whiteboard
- Certified by Microsoft Teams, Zoom, BlueJeans & RingCentral

Smart Video Collaboration

Based on Android 10.0 OS, A20 can be operated with just one touch or by the remote control. Users can experience a more communicative and collaborative meeting with A20's content sharing and whiteboard features.

See Everyone Clearly

A20 has strong image processing, encoding, and decoding capabilities. With its 20MP camera, it provides a high-

quality video conference experience. With a wide 120° field of view, everyone in the conference can be seen without adjusting the camera. Moreover, the image brightness can be automatically optimized even in dim or backlit environments, ensuring participants' faces are clearly visible.

Smart Video Conferencing with AI Technology

The A20 camera supports 4K video output, providing an intelligent, smooth video experience by accurately reproducing every moment and detail. With AI technologies such as Auto Framing, Speaker Tracking, Picture-in-Picture, and Multi-Focus Framing, users don't need to adjust the camera manually and can focus more on the conference.

Precise Sound Localization, Full-Duplex Experience

The 8 MEMS microphone arrays give the A20 a strong capability for Yealink AI-based noise-proof technology and dereverberation. The Yealink beamforming algorithm, combined with acoustic echo cancellation and dereverberation technology, ensures high-quality, full-duplex calls and enables more precise voice pickup.

All-in-One Design for Fast Start

Integrating the computing units, camera, microphones, speaker, Bluetooth, Wi-Fi, and bracket, the A20 takes up less space and minimizes cable clutter. Simply connecting power and an HDMI cable prepares it for video conferencing. Additionally, the Yealink Device Management Platform ensures easy management.

Wireless Presentation with Low Latency

Paired with the Yealink wireless presentation pod WPP30, the A20 allows users to share content anywhere in the conference room. With Yealink's advanced algorithm, the WPP30 maintains a stable wireless connection even in complex network environments and delivers a super-clear, fast, and stable presenting experience with low latency.

Specifications

Parameter	Description
Camera	· 20 MP Camera · 120° field of view · 8x e-PTZ camera · Electric privacy shutter · 120° DFOV, 111° HFOV, 73° VFOV · Intelligence Features - Auto Framing - Speaker Tracking - Picture in Picture - Multi-focus Framing - Smart Gallery (Zoom only)

Audio	· Built-in 8 MEMS microphone array with a voice pickup range of 6 meters
	· Yealink Noise Proof Technology
	· Full-duplex
	· AGC (Automatic Gain Control)
	· Echo cancellation
	· Built-in microphone frequency response: 100Hz to 8kHz
	· Speaker:
	-Frequency response: 105-20kHz
	-Speaker volume: 89db SPL@1W, 95db SPL@4W both +/-2db at 0.5m
	-Sensitivity: 84db SPL @ 1W @ 0.5 meter
	-Sampling rate: 48 kHz
	-Sound emission angle: Forward-facing
	-Total Harmonic Distortion (THD): at 5W, 1KHZ, ＜5%
	-Rated impedance: 4 ohms
	-Maximum power: 8 W
	-Rated power: 5 W
Operating System	· Android 10.0
Meeting Features	· Calendar
	· One-click join
	· Meeting collaboration
	- Content sharing
	- Whiteboard
	· Meeting control:
	- Add participates
	- Hold/Resume
	- Camera On/Off
	- Mute/Unmute
	- Volume Up/Down
	- Hang up
Video Standard and Network Suitability	· Video codecs: H.264 High profile, H.264 SVC, H.264

Network and Security Features	· Built-in dual-band Wi-Fi (2.4 GHz/5 GHz) · Built-in Bluetooth 4.2 · IPv4 and IPv6, DHCP/static IP · HTTP/HTTPS web server · TLS 1.2/1.3, AES 256-bit encryption · QoS: 802.1p/q, Diff-serv · VLAN, LLDP · IEEE802.1X - EAP-MD5/EAP-TLS - PEAP-MSCHAPv2 - EAP-TTLS/EAP-MSCHAPv2 · Network diagnosis: Ping, Trace route · Time and date synchronization using SNTP · Built-in certificate
Ports	· 2 x HDMI output (CEC supported) · HDMI input (through the VCH51 Sharing Kit) · Motion sensor (Teams supported) · 1 x USB 2.0 · 1 x 10 M/100 M/1000 M Ethernet port · 1 x Yealink VCH port (RJ-45) · 1 x Power port · 1 x Security lock slot · 1 x Reset slot
Other Physical Features	· Power Adapter: AC 100-240 V Input and DC 48 V/0.7 A Output · USB Output: 5 V ⎓ 0.5 A · Power consumption (PSU): - Standby Power Consumption: 13.9 W - Average Power Consumption: 10.5 W - Peak Power Consumption: 14.2 W · Dimension (W.D.H): 600 mm x 68 mm x 82 mm · Operating humidity: 10 - 90% · Operating temperature: 0 - 40°C · Storage temperature: -30 to + 70°C
Weight	· A20-010: - N.W/CTN: 2.89 kg - G.W/CTN: 3.48 kg · A20-020: - N.W/CTN: 4.93 kg - G.W/CTN: 5.65 kg

MeetingBar A20 Package	· Package contents: - MeetingBar A20 endpoint - 3 m Ethernet cable - 2 x 1.8 m HDMI cable - Mounting Bracket and Accessories - TV-Clip Mount - Power adapter - Quick Start Guide - Controller (optional): CTP18 Touch Panel VCR20 Remote Control VCR11 Remote Control - Content sharing(optional): VCH51 Sharing Kit (HDMI/USB-C) Wireless Presentation Pod · Carton Meas: 674 mm x 136 mm x 195 mm
MeetingBar A20 + CTP18 Package	· Carton Meas: 685 mm x 290 mm x 397 mm

MeetingBar Kit

Meeting Room Type	Model	Kit Contain	Related Topic
Small to Medium Meeting Room	A20-010	MeetingBar A20 VCR11	MeetingBar A20 - Teams MeetingBar A20 - Zoom MeetingBar A20 - RingCentral
Small to Medium Meeting Room	A20-020	MeetingBar A20 CTP18	MeetingBar A20 - Teams MeetingBar A20 - Zoom MeetingBar A20 - RingCentral
Small to Medium Meeting Room	A20-010-Teams (stop selling)	MeetingBar A20 VCR20	MeetingBar A20 - Teams

For more information, please refer to MeetingBar A20 - Teams / MeetingBar A20 - Zoom / MeetingBar A20 - RingCentral / MeetingBar A20 - BlueJeans.