



TBX2 All-In-One Videobar (+4 Optional Wireless Expansion Mics)

The TBX2 is an all-in-one Android collaboration bar, featuring an intelligent dual-camera system that includes a 4K wide-angle camera and a 4K PTZ camera. Powered by advanced AI algorithms, it supports new features like Auto-Framing, Speaker Following, and Gesture Tracking, ensuring distant participants remain exceptionally clear.

For audio, it integrates an 8-microphone array and stereo high-fidelity speakers, with support for four optional wireless expansion mics. This hardware, combined with AI-enhanced audio 3A algorithms, provides superior echo cancellation, noise reduction, and reverberation suppression for audio pickup so clear it feels like a face-to-face conversation.

A powerful octa-core processor drives 4K video encoding and decoding, guaranteeing a smooth and lag-free user interface. The device is well-equipped with ports and supports dual-mode flexibility: a plug-and-play USB Videobar mode and a Standalone Android mode. This makes the TBX2 the ideal choice for high-end conference rooms.



Product Highlights



Dual-Screen Extend/Duplicate Display

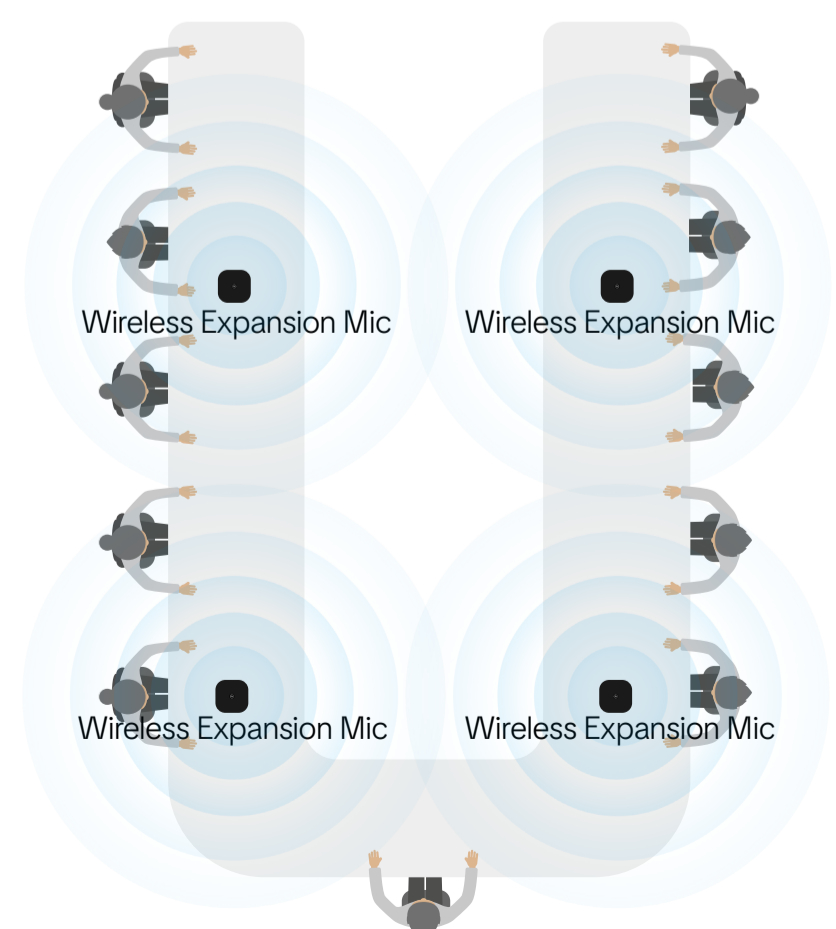
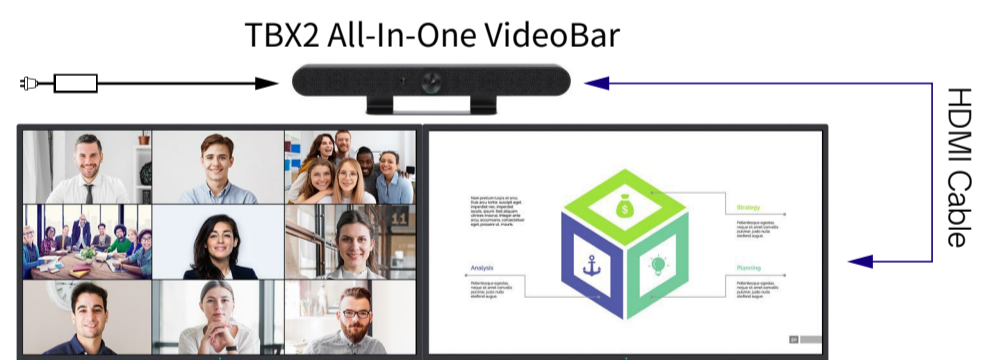
Supporting dual HDMI 4K UHD output, it enables dual-screen duplicate display or extend display. It delivers exceptional clarity and detail for both facial expressions and shared content, ensuring seamless and productive meeting collaboration.



2 Stereo High-Fidelity Speakers + 8 Mics AI Beamforming + 4 Wireless Mics (Optional)

This premium audio hardware, combined with AI algorithms, effectively eliminates echoes and reduces noise/reverberation, delivering a pure and natural call experience across all scenarios.

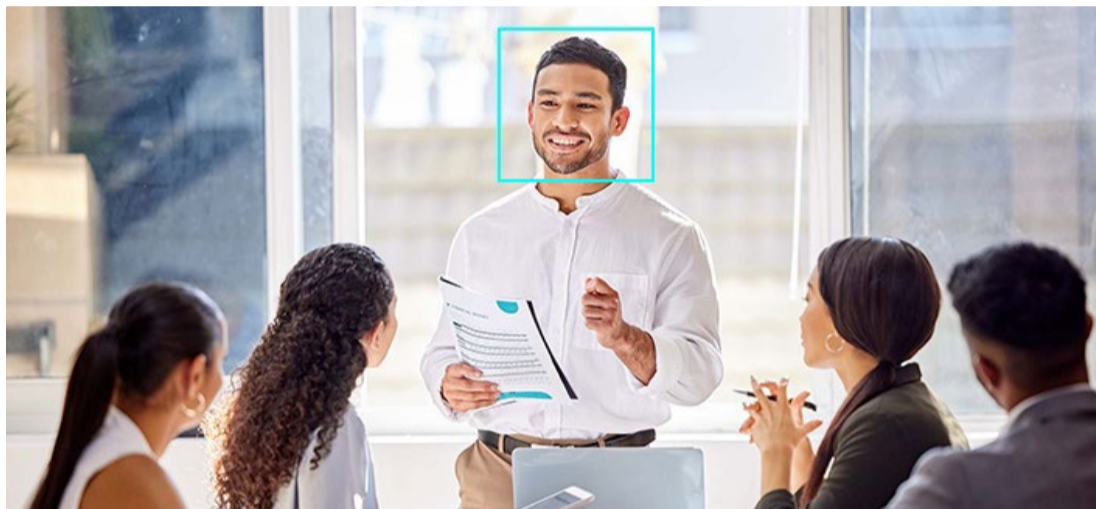
Connection Diagram





Dual-Camera 16MP Wide-Angle PTZ Camera

By combining a fixed wide-angle lens with a dynamic PTZ lens, this system delivers full frontal coverage with zero blind spots. It maintains exceptional clarity even for distant, zoomed-in subjects, capturing a complete and detailed view of the meeting.



Multiple Imaging Output Modes Powered By AI Algorithms

Driven by our in-house AI model, the system features multiple intelligent modes like auto framing, speaker following, and gallery view, etc. It automatically spotlights the active speaker, delivering a truly life-like, face-to-face meeting experience.



Host / USB Peripheral Mode for Flexible Deployment

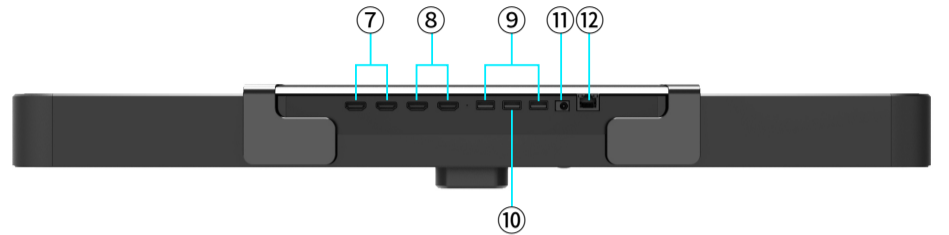
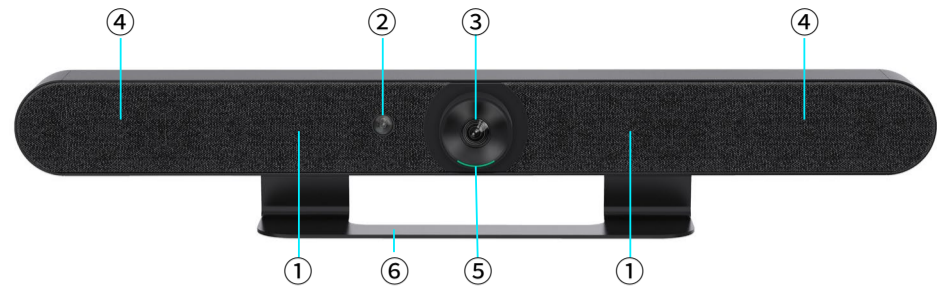
Enjoy complete deployment freedom. Use it in Standalone Mode to run meeting applications directly on the device, or switch to BYOM Mode (or USB Mode) for instant plug-and-play connectivity with any laptop. This versatility makes it easy to fit into any meeting room setup.

Wireless Expansion Microphones(Optional)



- Expandable Mics: 4 (voice pickup radius: 3 meters for each)
- Touch key to mute/unmute
- Magnetic contact charging dock

Product View



- | | | |
|-----------------------|-----------------|--------------------|
| ① Microphone array | ⑤ Indicator | ⑨ USB3.0 HOST port |
| ② 4K Panoramic camera | ⑥ Bracket | ⑩ USB3.0 OTG port |
| ③ 4K PTZ camera | ⑦ HDMI IN port | ⑪ Power port |
| ④ Hi-Fi Speaker | ⑧ HDMI OUT port | ⑫ Ethernet Port |

Product Specifications

Model: TBX2

Camera

- Zoom: 6~12X (3X Optical Zoom, 2~4X Digital Zoom)
- Telephoto lens horizontal viewing angle: 104° +L/R 20° electronic panning
- Telephoto lens vertical viewing angle: 67° + Up/Down 15° electric tilting
- Resolution: 4K, 1440P, 1080P, 720P30Fps, etc
- Support auto-focus, preset positions
- Support speaker following
- Dual 4K cameras:
 - Main camera: focused shooting(e.g., auto-framing)
 - Secondary camera: 120° wide-angle for panoramic detection, achieving wide coverage without blind spots
- Sensor: Sony 8MP(4K)
- Aperture: F/2.05
- Focus range: 2.38~7m
- Video formats: MJPG, H.264/265, VP8/9, etc.

Built-in Microphone Array

- Mic Elements: 8
- Voice pickup range: 10 m
- Frequency range: 100Hz~10kHz

Expansion Microphone (Optional)

- Max expandable Mics: 4
- Signal-to-noise ratio: 70 dB
- Free-field sensitivity: -34 ± 3 dB (1 kHz @ 1V/Pa)

Built-in Hi-Fi Speaker

- Number of speakers: 2
- Speaker frequency: 130Hz~20kHz
- DSP power amplifier output power: 15 W*2

Ports

- 1 x Ethernet 100/1000Mbps
- 2 x HDMI OUT
- 2 x HDMI IN
- 1 x Power supply: DC 12V
- 2 x USB 3.0 Host ports
- 1 x USB 3.0 OTG port

Package

- 1 x TBX2 All-in-One VideoBar
- 1 x Remote control
- 1 x Wall-mounted bracket and mounting accessories
- 1 x Quick Start Guide
- 1 x Power adaptor
- 1 x HDMI cable

Wireless Expansion Mics Kit (Optional)

- 4 x Wireless Microphone
- 1 x Charging dock
- 1 x Power Adaptor
- 1 x USB charging cable for expansion mic: 1.5 m(5 Feet)

Others

- Supported network protocols: IPv4, IPv6
- Support Dual-Screen Duplicate Display
- Support TV-Clip Mount /Wall Mount
- Support AirPlay/ Miracast
- Operating system: Android 12
- SoC: RK3588
- Support customized development (SDK available)

For order and product related inquiries, please contact the sales team at: (Email: sales@wedoinnov.com).

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(Note: The translation maintains the original meaning while adapting to standard legal and business English conventions.)