All-in-One Video Bar

4K All-in-One USB Video Bar

UAI448WB5

Three in One | 4K UHD | Speaker | Microphone Array | AI Smart Tracking
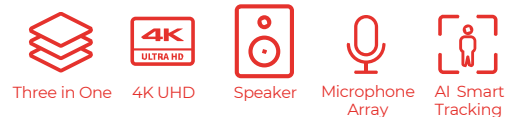
4K USB video bar, microphone, speaker and camera all-in-one design,equipped with high quality 4K CMOS sensor,impressive video and audio performance, plug and play, minimal configuration, provide high quality A/V experiences for conferencing.

Features

4K UHD
Use a high -quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

Integrated Design
The three-in-one design incorporating the 4K UHD camera, the beamforming microphone and the full-frequency speaker helps reduce wiring and makes available easy video communication.

Wide FOV
121° wide FOV (110° horizontal FOV), and 5x zoom; optical lenses tailored for video conferences; built-in electric tripod head horizontal and pitch ±15°); easier for participants to be videoed.

Beamforming Microphone
Built-in beamforming (BF) microphone, pickup distance is 6m; the low-distortion transverse beamforming algorithm guides the microphone to speaker for better sound effect and make communication more clear, full and true.

Full-frequency Speaker
The acoustically designed high-fidelity speaker minimizes interference and offers extraordinary sound effects.

Easy to Deploy
Flexible installation such as desktop, wall-mount, and TV/display mount are available for quick install and deploy in a crowded conference room.

PnP
Connection to PCs or commercial large screens is realized through PnP USB ports; the out-of-the-box mechanism helps reduce wiring and offers easy-to-handle video communication, thereby lowering the user thresholds.

Audio 3A Algorithm
The built-in audio 3A algorithm (AEC/AGC/ANS) and full-duplex mode meet the communication requirements of various rooms; people who sit at the conference table, sit or stand next to you can talk comfortably and clearly.

Speaker Phone
Mobile phones and other devices can connect to this device via Bluetooth and use it as Bluetooth microphone and loudspeaker, and to connect phone calls to audio and video conferences.

Intelligent Analysis
Built-in intelligent analysis algorithm, voice recognition, participants automatic frame selection, speaker automatic tracking and switching speaker screen to ensure that the speaker is always clear in the screen.

Bluetooth 5.0
Using Bluetooth 5.0 technology, compared with the previous generation technology, the transmission speed is increased by 2 times, and the transmission distance is increased by 4 times. Better transmit the high-quality audio between mobile phone and tablet devices to achieve the wireless Bluetooth streaming.

Rich Interfaces
HDMI 1.4b and USB3.0 supported; simultaneous output of UHD audios and videos is available.

Product Specification

▼ Camera Spec

Signal System	4KP30，1080P30，720P30 etc.
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Optical Lens	121° (DFOV), 110° (HFOV), 75° (VFOV), 5x zoom Horizontal/pitch ±15°
PTZ	Mechanical PTZ (MPT) + e-PTZ (EPTZ)
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Backlight Compensation	Support
SNR	≥55dB

▼ Audio Features

Full-frequency Speaker	96 dB SPL at 0.5 m
Microphone Array	Beamforming microphone with 6m pickup distance
Expansion MIC	Support (Optional)

▼ I/O

HD Output	1 x HDMI, Version 1.4b
Network Interface	1 × RJ45:10M/100M adaptive Ethernet
USB Interface	(Optional) 1 × USB3.0, Type-C ; 1 × USB2.0,Type-A
Bluetooth	5.0

▼ USB Spec

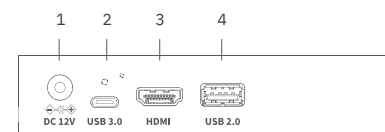|	
Type of Connection	USB 3.0, downward compatible with USB 2.0
Color System / Compression	YUY2 / MJPEG
USB Audio	32K sampling rate, UAC 1.0 support
USB Video Communication Protocol	UVC 1.1
UAC	Support
UVC PTZ Control	Support（ePTZ）

▼ Others

Installation Method	Support desktop placement, wallmounting and TV- mounting etc.
Supplied Cables	USB Cable
Safety Protection	Anti-theft lock

▼ Generic Spec

Power Supply	DC 12V，2A(Max.)
Operating Temperature	0℃～40℃
Storage Temperature	-40℃～60℃
Dimension	601mm (W) × 141mm (D) × 115mm(H) (with bracket)
Net Weight	2.5kg

Interface Diagram

1	2	3	4
DC 12V	USB 3.0	HDMI	USB 2.0

1 —— DC 12V
2 —— USB3.0
3 —— HDMI
4 —— USB2.0