



UAI448WB5

4K All-in-One Business USB Video Bar

4K / Integration Design / Audio 3A Algorithm / Intelligent Analysis



Product Features

● Application

It's designed for small and medium-sized conference rooms, especially huddle rooms with 4-6 people, and to help enterprises re-tap the potential of internal small and medium-sized conference rooms to hold conferences more efficiently and cut lease cost.

● 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.

● 4K UHD

1/2.5-inch UHD CMOS sensor with 8.51 megapixels offers 4K (3840x2160)@30fps UHD images, downward compatible with various resolutions such as 1080P and 720P to meet users' needs for different video experiences.

● 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 $\pm 15^\circ$; easier for participants to be videoed.

● Beamforming Microphone¹

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.

● Rich Interfaces

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

● 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.

● Speakerphone

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.

● 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.

Remark:

1. The maximum pickup distance is obtained from the VHD laboratory test, and the actual distance varies depending on the user's environment.

Product Specifications

Main Features

| | |
|--|---|
| Uncompressed Professionally video output | HDMI: 4K30P, 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 $\pm 15^\circ$ |
| PTZ | Mechanical PTZ (MPT) + e-PTZ (EPTZ) |
| Digital Noise Reduction | 2D & 3D Digital Noise Reduction |
| SNR | ≥ 55 dB |
| Backlight Compensation | Support |



Audio Features

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



Interfaces

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|---------------|--|
| HD Output | 1 x HDMI, Version 1.4b |
| USB Interface | 1 x USB3.0, Type C; 1 x USB2.0, Type A |
| Wireless | Bluetooth data communication (Bluetooth 5.0) |

USB Features

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|----------------------------------|---|
| 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 |
| UVC PTZ Control | Support |

Others

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

General Specifications

| | |
|-----------------------|--------------------------------------|
| Power Supply | DC 12V, 2A (Max.) |
| Operating Temperature | 0° C ~ 40° C |
| Storage Temperature | -40° C ~ 60° C |
| Dimension | 600mm x 115mm x 135mm (with bracket) |
| Net weight | 2.5 Kg |