



Prestel 4K-A303UH

4K All-in-One USB Video Bar



[DATASHEET](#)

All-in-One Video Bar

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Designed for small to medium-sized meeting rooms, the video bar integrates a 4K UHD camera, microphone, and speaker, significantly reducing wiring and saving space. With built-in AI algorithms such as auto framing, speaker tracking, and smart gallery, it delivers a more intelligent and convenient experience.



Features

- ▼ **4K UHD**
Utilizes a 1/2.5-inch, 8.51-megapixel UHD CMOS sensor, delivering 4K@30fps UHD resolution images. It is also backward compatible with various resolutions, including 1080p and 720p.
- ▼ **121° Wide FoV**
Features a 121° wide-angle lens s for meeting scenarios and 5x optical zoom. Equipped with PTZ, it can achieve EPTZ horizontal and vertical rotation of ±15° , capturing more participants in a single frame.
- ▼ **AI-Assisted Shooting**
Incorporates AI algorithms that recognize the positions of meeting participants, automatically adjusting the FoV for optimal framing. It can automatically lock onto the speaker's voice position, providing precise close-ups.
- ▼ **Smart Gallery with AI Technology**
Equipped with algorithms detecting head, face, and figure, the technology adjusts the screen layout according to the number of participants, capturing everyone's facial details. The voice-activated function can switch from the overall view to a close-up of the speaker.
- ▼ **Audio Pickup of 6m**
Equipped with a microphone featuring beamforming algorithms to guide the microphone to detect the speaker, providing balanced audio and clear pickup of 6m.

- ▼ **POE Cascade Pickup (optional)**
Built-in POE power supply network port, support cascade 3 array microphone, can evenly cover a wider range of conference room scene, to provide equal and consistent pickup sound for each participant.
- ▼ **Full-Range Speaker**
The device features a full-range speaker that undergoes professional tuning, effectively reducing sound interference and delivering a clear and natural sound.
- ▼ **Multiple Interface**
Supports HDMI 1.4b and USB 3.0 interfaces. HDMI 1.4b transmits UHD video signals, while USB 3.0 handles audio and video signal transmission. Easily connect to displays, computers, and other peripherals.

- ▼ **Speakerphone**
The device can connect to a mobile phone or other devices via Bluetooth, such as a microphone and speaker. It allows the integration of mobile phone calls into video conferences.
- ▼ **Various Installation Options**
Supports multiple installation methods, including tabletop placement, wall mounting, and TV/display screen mounting. Allow the users to choose installation methods based on their needs.

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), 5× Digital 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 x RJ45/10M/100M adaptive Ethernet (Optional)
USB Interface	1 x USB3.0, Type-C ; 1 x 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)

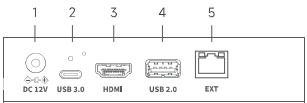
▼ Others

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° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension	601mm (W) × 141mm (D) × 115mm (H) (with bracket)
Net Weight	2.5kg

Interface Diagram



- 1 — DC 12V
- 2 — USB3.0
- 3 — HDMI
- 4 — USB2.0
- 5 — RJ45