

TREND

4K All-in-one Business USB Video Bar

Take Your Conference Calls Anywhere

Convenient for small and medium-sized enterprises to flexibly carry out daily business meetings and remote team collaboration, creating relaxed, efficient, and smooth communication for quick decision-making and improved efficiency. All-in-one with a 4K 20-megapixel camera, a 6 m beamforming microphone, a 3A audio algorithm, built-in intelligent analysis algorithms, voice recognition, automatic participant framing, automatic speaker tracking, and speaker screen switching to ensure more efficient meetings in conference rooms.



Key Features



Audio 3A
Algorithm



AI-Assisted
Functions



Application



4K UHD
CMOS Sensor



Beam-forming
Microphone¹



Wide FOV



20MP UHD



BYOD & BYOM
Supported



Micro PTZ



Compatible with your
favorite software :



Microsoft Teams



Google Voice



Skype



webex



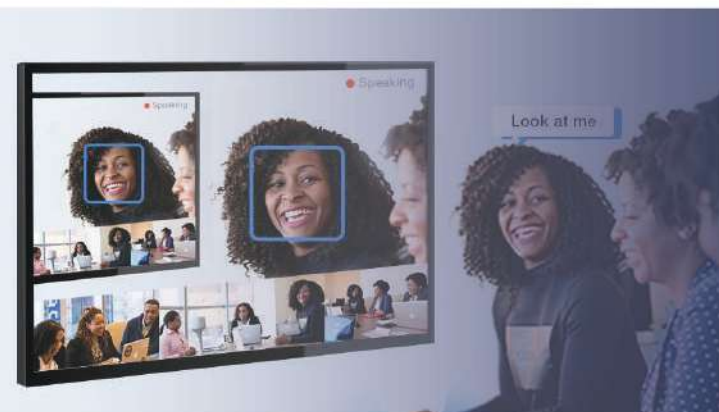
4K UHD

Featuring a 1/1.8-inch 4K UHD CMOS sensor with 20 million effective pixels, it delivers stunning 4K (3840x2160) ultra-high-definition images while maintaining compatibility with lower resolutions like 1080p and 720p.



120° Field of View

The lens offers a 120° wide field of view with 5x digital zoom, capturing every corner of the meeting room in sharp detail. With $\pm 15^\circ$ PTZ functionality, it ensures all participants remain visible, no matter where they're seated.



AI-Assisted Functions

The video bar integrates multiple recognition algorithms, including head, facial, human figure, and sound localization. It can identify the number of participants and their position changes, automatically adjusting the camera to capture the optimal frame, significantly enhancing meeting efficiency.



Smart Gallery

AI technology automatically adjusts the screen layout, ensures all participants are clearly visible, and highlights active speakers with a flashing border enhancing visibility and communication in meetings.



Technical Specifications

Camera

Video Resolution

4K@30fps, 1080P@30fps, 720P@30fps, etc.

Sensor

1/1.8 inches, CMOS, effective pixels: 20 million

Optical Lens

114° (DFOV), 105° (HFOV), 5x digital zoom, horizontal/tilt ±15

PTZ

Mechanical pan/tilt (MPTZ) + EPTZ

Digital Noise Reduction

2D & 3D digital noise reduction

Signal-to-Noise Ratio

≥ 55dB

Backlight Compensation

Support

Input & Output Interface

USB 3.0

1 × USB3.0, Type-C, female connector, supports audio and video transmission, supports firmware upgrade

HDMI

1 × HDMI, supports local video display

USB 2.0

1 × USB2.0, Type-A, female, connect to USB wired expansion microphone

Power Interface

1 power interface

Network Port

1 × RJ45, 10 / 100M adaptive Ethernet port, supports network transmission of audio & video

Bluetooth

Bluetooth 5.3, supports bluetooth connection to mobile phones, laptops and other devices, and transmits audio

Wifi

Wifi 6, supports BYOM wireless transmission and BYOD wireless screen projection (extra screen projection device is required)

Remote Control

Support remote control

Audio

Full Range Speakers

96 dB SPL at 0.5 m

Microphone Array

Beam-forming microphone, pickup distance 6meters

Extended MIC

Support (Optional)

USB Features

Connection Type

USB 3.0, backward compatible with USB2.0

Color Space / Compression

MJPEG / YUY2

USB Audio

32K sampling rate, support UAC1.0

USB Video Communication Protocol

UVC 1.1

UVC PTZ Control

Support (ePTZ)

Other

Installation

Supports multiple installation options such as desktop, wall, TV, etc.

Standard Cables

USB cable

Security

Anti-theft lock jack

General Specifications

Power Supply

DC 12V, 2A (MAX)

Operating Temperature

0°C ~ 40°C

Stored Temperature

-40°C ~ 60°C

Dimensions (L x H x D)

600mm * 135mm * 117mm

Net Weight

2.5 Kg

Model No.

OBS1000B Pro

