4K All-in-One Business USB Video Bar

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

Application

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

Value

Convenient for small and medium-sized enterprisse to flexibly carry out daily business talks and team collaboration remotely; creating relaxed, free and smooth communication for quick decision-making and efficiency improvement.

Wide FOV

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

Package size

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.

Integration 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.

Bluetooth

The transmission speed and distance of Bluetooth 5.0 are increased by 2 times and 4 times respectively, compared with the previous-generation technology; better audios are transmitted between mobile phones/ tablets wirelessly via Bluetooth.

Bluetooth Functionality

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

The built-in intelligent analysis algorithm, the sound-driven positioning, the automatic box selection of participants, the automatic tracking of speaker, and the switching of speaker's screen ensure the speaker is always clearly in the picture.

4K UHD

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.

Beamforming Microphone

The built-in beamforming (BF) microphone has a pickup distance of 6 m; the low-distortion transverse beamforming algorithm directs the microphone to the speaker for better sound effect and clearer and better communicatio.

Easy to Deploy

Installation options like desktop, wall -mounted, TV/display mounted are available, so it's easier to quickly install and d eploy in crowded conference rooms.

Abundant Interfaces

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

Full-Frequency Speaker

The acoustically designed high-fidelity speaker minimizes interference and offers extraordinary sound effects. 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 communica -tion, thereby lowering the user thresholds.

Product Specifications

Camera

Video Resolution	4K/30, 1080P/30, 720P/30 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°
Tripod Head	Mechanical PTZ (MPT) + e-PTZ (EPTZ)
Digital Noise Reduction	2D & 3D Digital Noise Reduction
S/N Ratio	≥ 55dB
Backlight Compensation	Support

Audio

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

I/O Interface

HD Output	1 x HDMI, Version 1.4b;
Type of Connection	USB 3.0, backward compatible with USB 2.0
Color System/ Compression	H.264/MJPEG/YUY2/NV12
USB Audio	32K sampling rate, UAC1.0 support
USB Video Communication Protocol	UVC 1.1~1.5.
UVC PTZ Control	Support
Installation Method	A variety of installation options supported, including desktop placement, wall mounting, installa- tion with wall-mounted TV, etc.
Supplied Cables	USB Cable
Safety Protection	Kensington Lock

General Specifications

Power Supply	DC 12V, 2A (MAX)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40°C ~ 60°C
Dimensions	601mm * 141mm * 115mm
Net weight	2.5 Kg
Model	NT-EC-VB-4K
Name	4K UHD Integrated USB Camera