iSbote C07 Expansion Video & Audio Conferencing System

4K UHD lens| Full-duplex OMNI-Directional microphones| Powerful Dual Speaker

iSbote C07 Video and audio conferencing system with expansion microphones design for small spaces or huddle rooms. 4K UHD lens delivering vivid images makes everyone clearly visible and hearable in the meeting, by C07's built-in Microphones and flexible 3 expansion mics(speakers& Mics). The C07's compact all-in-one design enhances the exceptional experience of audio/video collaboration.

With powerful functions like face recognition, voice localization, voice tracking, and intelligent noise reduction, C07 delivers tangible values for users worldwide. C07 could automatically adjust the image size according to the number of participants to present the optimal frame. It can also detect the speaker position in real time and lock the target while having a close-up. With the advanced 3A audio algorithm, the directional pickup is clearer and brings a 5-10meter full-duplex high-quality call experience.

Key Features

- Integrated Design: Built-in 4K HD camera, microphone, high fidelity speaker
- Distortion-less Wide Angle Lens: 105° wide angle with multiple no-distortion lens
- built-in Microphones and flexible expansion Microphone (speakers& Microphone)
- 2 Built-in 5W Speakers: Built in high quality studio speaker, ensuring high audio quality
- Auto Framing: Built in face detection algorithm, and provide optimal framing.
- Advanced 2D/3D noise reduction technology reduces the noise while assuring image clarity
- Powerful Compatibility: Compatible with Windows7, windows10, Mac OS 10.10, etc.
- Applicable to mainstream cloud-based or on-premise video conference platforms
- Compatible with Most popular Web Conferencing software: Plug and Play

Key Benefits:

- adopts high quality CMOS image sensor, able to capture HD image and clarity
- Built in 6 array microphone enable speaker to be tracked in real time
- Expansion Microphones bring a 5-10meter full-duplex high-quality call experience.
- C07 break the distance limitation to provide virtual meeting as if you are there
- Audio processing algorithm adopts high-fidelity lossless audio transmission technology
- Supports AEC, AGC, ANS processing, bringing high-quality calls of 6 meters full duplex
- Low Noise and High SNR: Low noise CMOS ensure the ultra SNR of image
- This All-in-one device make your everyday conferencing effortless and enjoyable
- AI Function: Auto-Framing, automatically adjust the screen size, cameras, focus

Core Specification

Audio video All-in-one conference camera		
Video		
Image sensor	**Sensor**	1/2.8" SONY CMOS
	Effective Pixel	8 Megapixel
	Minimum Illumination	0.5Lux at F2.0
	White Balance	Auto
	Gain control	Auto
	SNR	>50db
Lens	**Focus**	f=2.26 mm F1.8
	Iris	Fixed
	Zoom	Fixed Lens（Support EPTZ,3x digital zoom）
	Horizontal view angle	105°
AI Function		Support, Auto-Framing,
Video output Interface		USB 2.0
60fps		Support 60fps when 1080P and below resolution in H264/MJPEG output format
Video output Format		MJPEG/H.264：3840x2160, YUYU:1600x896 320x240,352x288,640x480,720x576,2650x1440,1600x896,1280x720,1024x768,1024x576,960x540,848x480,800x600,800x448,640x360,480x272,1920x1080
Built-in Audio		
Built-in Digital silicon Microphone	**Type**	Digital silicon Microphone
	Sensitivity	Built-in Microphone: -22dBFS
	SNR	60dB
	Frequency response	100Hz - 16kHz
Echo Cancellation		world-class Echo cancellation technology, echo cancellation time up

	to 256ms
Noise Cancellation	>12dB
Sampling frequency	Record：16kHz / Playback：48kHz
Voice pick up range	5M
Transmission Model	Wired, USB2.0（Between all-in-one device and PC） Wireless,2.4G（Between all-in-one device and Microphone）
Speaker power	Double Channels5W*2
All-in-one Device Power	9W MAX
Control Mode	Touch button control /remote control
Button function	ON/OFF(Battery Check)、Volume+、volume-、speaker Mute、 Microphone Mute、Scene switch
Remote function	Audio：Volume+、Volume-、microphone mute、speaker Mute,ON/OFF Video：ZOOM+、ZOOM-、up/down/left/right movement、OSD Menu
status Display	Two-color LED indicator
Power adapter	DC12V±0.2V,1A
working temperature	-10℃ ~ 40℃
environment humidity	0-95% RH
length*width*height	*(L) 400 mm x (W) 75mm x (H) 62 mm*
Weight	950g

Expansion Microphone(1- 3 expansion Microphone(s))

Stand-by up to 150 days

Talk time up to 8-10 hours

Provided 1Ah fast recharging

800mA Battery Capacity

	Type	Digital silicon Microphone
	Sensitivity	-26dBFS @1kHz 1Pa
	SN	59dB
	Frequency response	100Hz - 16kHz
Sampling frequency		Record：48kHz
Voice pick up range		5M
Wireless Transmission Model		2.4G ISM
Wireless transmit power		2.4G: +5dBm
Microphone power		0.2W MAX
Charge Jack		USB type-c /Charging board contact charging
Control Mode		Touch button control
Button function		ON/OFF, Microphone Mute
status Display		Two-color LED indicator

Power adapter	Charging boardDC5V±0.2V,2A
Battery	800MAH
Standby time	6 month
work time	>8hours
working temperature	-10 - 40℃
environment humidity	0-95% RH
length*width*height	φ70x49mm
Weight	300g

Name	Charging Board
Input voltage/current	5V/2A
Maximum number of Microphone get charged	2 pcs
Single output current	600mA
Dimension	200x100x16（mm）
weight	170g
Interface	USB-TYPE-C

All Items in the package

① UHD video conference camera * 1   ⑥ USB 2.0 cable (5M) * 1
② User's manual * 1   ⑦ Power supply of the camera * 1
③ Expansion mics * 1-3   ⑧ Power supply of the charging tray * 1
④ Charging tray * 1   ⑨ USB - type C cable * 1
⑤ Bracket and screws * 1   ⑩ Remote control (no battery) * 1

Conference examples(expansion microphone placement)