

# ISPEAKER A20

## NEXT GENERATION PROFESSIONAL SPEAKERPHONE

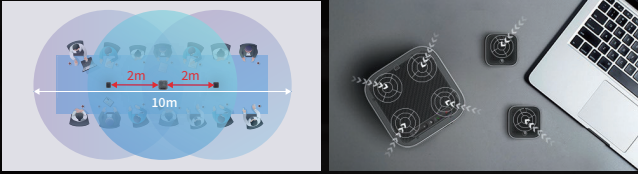


## iSpeaker A20

A20 is a high fidelity speakerphone consists of one host speakerphone and two satellite Mics, with minimal configuration and setting, plug and play. The host speakerphone is equipped with four high SNR(Signal to Noise Ratio) microphone array, with the built-in AI beam forming algorithm, it can easily and precisely locate the source of the sound. Two satellite microphones can enhance the the voice pickup range for larger room use. A20 adopts the advanced AI audio algorithm, can effectively eliminate the background noise(cough, typing, clicking and etc.), otherwise, it supports full duplex call, echo cancellation, ensure a clear communication and bring extraordinary experience for conferencing users. Other than a microphone, A20 is also remarkable being a speaker, with the well-designed speaker bar, it can deliver a high fidelity sound.

## 4+2 Digital microphone array

A20 host speakerphone is equipped with four high SNR(Signal to Noise Ratio) microphone array, with the built-in AI beam forming algorithm, can precisely locate the source of the sound. Two satellite microphones can enhance the the voice pickup range for larger room use, the max voice pickup range could be 100m<sup>2</sup>.



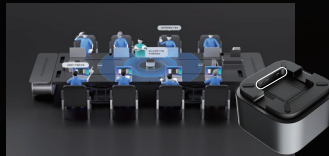
## New generation AI noise reduction

In the video conferencing scenario, there are various background noise when we are speaking, like the mouse clicking, knocking, fan, typing and etc.). A20 adopts the advanced AI audio algorithm, can effectively eliminate the background noise and ensure a clear communication.



## Plug to play, tidy cable management

With the minimal configuration,plug and play, allow user to quick deploy the conferencing system. Tidy cable management, away from the messy desk.



## Exquisite design

Aluminum body with silvery painting,delicate and fit the conferencing scenario.



## New generation AI Echo cancellation

The A20 is equipped with an echo cancellation system that combines traditional signal processing as well as the latest deep learning network (CrossNet). In order to improve the generalization ability of the system and ensure the subjective hearing and speech recognition, the R&D team uses a large amount of voice data to take into account the subjective hearing and speech recognition accuracy to ensure A20 audio performance.Now the near end single talk sound quality, far end single talk echo cancellation, double talk sound quality and Echo cancellation, speech recognition accuracy and other indicators have reached the industry-leading level.



## Professional acoustic design

A20 is equipped with a professional high-fidelity acoustic design sound box, with well-tuned tweeter and woofer units, can deliver clear, natural sound.



## PRODUCT SPEC

### Microphone spec

Microphone	High S/R digital MEMS Mic
Mic array	Built-in 6 (4+2) MEMS Mic
Pickup angle	360° omidirectional
Pickup range	Recommend: 3m, Max: 10m
Sample rate	32 KHz high fidelity Audio
Frequency	50Hz ~ 16kHz
S/N	94 dB SPL @ 1 kHz , 68 dB(A)
Sensitivity	94 dB SPL @ 1 kHz , -35 dBFS

### Speaker spec

Speaker	High-Fi speaker
Consumption	15W
Frequency	50Hz ~ 20kHz
Volume	89 dBA @ 1m
THD	< 3%

### Sound effect

Echo suppress	AI Echo suppress, max background echo suppress: 90dB
Full duplex	Support Full-duplex voice communication
Echo cancel	AI Echo cancellation
Auto gain	Smart Auto-gain ensure clear 10m voice pickup
Reverb damping	AI reverb damping

### I/O

Power	Voltage: AC 100V ~ 240V , DC 12V , Frequency: 50Hz / 60Hz
System	Windows / Mac / Android / Linux
USB I/O	USB 2.0 Type-C / Type-A , UAC 1.0 (1 * PCport; 2 * Ext mic port;)
Indicato	Surrounded LED light pipe,with multiple color combination, real-time working status display
Button	Volumn+/- ,Mute,Hang up,Dial

### Generic spec

Product size	Host : 150mm (L) * 150mm (W) * 90mm (H) Extension Mic : 80mm (L) * 80mm (W) * 25mm (H)
Package size	297*248*125mm
Net weight	Host : 1.24 kg;Extension Mic : 0.13 kg * 2
Environment	Temperature:0°C ~ 40°C (Work), -40°C ~ 60°C (Idle) Humidity:45% ~ 90% (Work), 30% ~ 90% (Idle)



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