iSpeaker M500

All-in-One USB Omnidirectional Speakerphone
Datasheet V2.0

1. Introduction

The iSpeaker M500 is a noise-cancellation speakerphone for conference calls, designed by INFOBIT. The M500 can intelligently suppress office background noises, pickup far-field voices with phenomenal clarity, and conduct full-duplex calls within 5 meters, thanks to the audio algorithm of advancement.

With features, including the daisy-chain function supporting ample conference space, hidden ports, USB plug & play, general compatibility with all leading online conference platforms.

The iSpeaker M500 is a wise choice for conference rooms of all different scales.

2. Features

Advanced proprietary algorithms
Effectively removes acoustic and room echo to provide meeting equity in even the most challenging environments.

High-end microphones
8-element Beamforming omnidirectional microphones

Long-distance
Single unit supports up to 5 meters voice pickup.

Full duplex communication
Allows for simultaneous speakers to be heard at both ends without missing a word.

Daisy-chain expansion
Connect up to 5 units in a combined array for larger or more complex meetings. And up to 4 units cascaded with the iCam VB60.

Plug-and-play
Both the USB and ethernet connections provides for easy flexible installation and is compatible with leading UC platforms.\

Customizable audio settings
According to the sound environment of different conference rooms, noise reduction, de-reverberation, and echo cancellation parameters can be adjusted to obtain the best sound effect.

3. Spec

Contents	Technical Specifications
Microphone Features	8 MEMS microphone array
	Effective pickup distance: 5m(16ft)
	Sensitivity: -26dBFS 94dB SPL@1kHz
	SNR: 65dBA@20kHz bandwidth, A-weighted
Speaker Characteristics	Rated output power: 4Ω/1.5W
	Speaker frequency response: 155Hz~16kHz
	Speaker volume: 80±3dB @1m
	THD<3%
Audio Characteristics	Beamforming
	Noise suppression
	Full duplex
	Echo cancellation
	Automatic Gain Control (AGC)
	Reverberation suppression
Daisy-chain	POE UTP RJ45 (CAT6)
	Maximum daisy-chain 5 units (or 4 unites connect to iCam VB60)

Physical Characteristics	Height: 64mm (2.5inches)
	Width: 120mm (4.7 inches)
	Depth: 120mm (4.7 inches)
	Net weight: 544g (19.19 oz)
	Color: Galaxy Gray
Power and Connectivity	External power supply: DC 48V/0.6A or USB 5V/0.5A
	Compatible operating systems: Windows/Mac/Linux
	USB port: USB 2.0 Type-C
Packing List	1× iSpeaker M500
	1× USB cable
	1× UTP ethernet Cable (Cat6)
	1×Adapter
	1×User manual

4. Dimension