



**SC10**

## **Network Ceiling Speaker**

ZYCOO SC10 is a compact high-performance SIP enabled ceiling speaker which can be used for SIP paging, notification/tone broadcasting and streamed high definition music playback. The high efficient, Coaxial speaker driver units will provide you with a uniquely advanced listening experience.

## Application Scenarios



Schools



Health Care



Shopping Centers



Train/Bus  
Stations



Government  
Offices



Indoor  
Carparks



Residential  
Buildings



Retail Shops



Airports



Office  
Buildings



Warehouses



Hotels

## Feature Highlights

- Coaxial speaker driver design – low frequency bass driver unit and high-frequency tweeter driver unit. Provides premium sound quality, enhances the audience experience.
- ZYCOO IP Audio Center auto provisioning support, large-scale installations (local or remote) will be extremely easy and time-saving.
- Built-in SIP support, can be integrated with ZYCOO IP Audio Center or third-party SIP server, SIP paging using wideband G.722 codec which provides crystal clear HD voice.
- Music playback through ZYCOO IP Audio Center using streamed media. HD MP3 audio files supported for superior quality of background music.
- Standard PoE+ (IEEE 802.3at) support, simple and easy installation with a single network cable. External power supply can be used if required.
- Support Multicast and Peer-to-Peer (P2P) to share data between devices without a central server while the devices use under the same local network.
- Built-in amplifier with local or server controlled volume output level, SC10 guarantees full and consistent coverage and also the audio comfort and the flab.
- SC10 supports three lines SIP accounts, in which users may register the endpoint in more than one system for achieving different functionality purposes.

## Specifications

<b>Speaker</b>	
Speaker component	4" woofer unit + 1" tweeter unit
Sensitivity	90dB/1m/1W
Max sound pressure level	100dB
Amplifier	Built-in Class D Amplifier
Rated power	8Ω 10W
Frequency range	70Hz – 20KHz
Coverage pattern	90°H 90°V 30m <sup>2</sup>
Acoustics	Mono
<b>Audio</b>	
Audio codecs	G.722, G.711 A-law, G.711 U-law, Opus
Audio streaming	MP3 sampling rate 8 – 48KHz, bit rate 64 – 320kbps, mono or Stereo
<b>Network</b>	
Interface	RJ45 10BASE-T/100BASE-TX PoE
Protocols	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH
<b>Administration</b>	
Configuration	Web interface or auto provisioning server
Provisioning method	MQTT IoT Protocol
<b>Mechanical Properties</b>	
Memory	128MB RAM, 256MB Flash
Power input	PoE IEEE802.3at or DC 12V-2A
Casing	Black plastic cement rear cover
Grille	Surface-treated metal mesh plate
Color	White
Weight	1.4KG
Dimension	150mm(H)*205mm(W)*205mm(D)
Mounting method	high strength anti-corrosion clamps
Key	Press and hold for 1 second and release to broadcast the IP address. Press and hold for 10 seconds and release to restore the factory settings.
<b>Environmental</b>	
Installation environment	Indoor
Operating temperature	-20°C - 50°C (-4°F - 122°F)
Storage temperature	-40°C - 70°C (-40°F - 158°F)
Humidity	10% - 95% RH Non-condensing
<b>Approvals</b>	
Approvals	EN 55032:2015, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 62368-1:2014+A11:2017, FCC Part 15B



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