



## IP Audio Center

ZYCOO IP Audio Center is the engine of ZYCOO IP Audio Solution, it is a software solution which can be installed on hardware or cloud-based servers. It has IP public address system, SIP voice/video intercom and IP PBX system modules integrated, it provides an all-in-one unified IP audio solution.

The IP Audio Center provides centralized IP audio endpoints auto provisioning and management, public address, background music, intercom, emergency broadcasting, audio conferencing, IP phone call and more features. It is suitable for public safety, smart city, secure community, industry, transportation, health and more application scenarios.

## Feature Highlights



### Unified Solution

SIP IP Audio Center supports integration of ZYCOO network speakers, SIP safety intercom devices, SIP paging gateways, IP phones and other devices. And it can be connected to ITSP or third-party SIP server using SIP trunking.



### Flexible Grouping

The network speakers can be grouped (zoned) according to its location or usage, so zone-based live paging, scheduled paging, emergency broadcasting and more zone-based features can be all achieved.



### Superior Quality Background Music

320Kbps superior quality MP3 music files and streamed media music supported, click to play music or schedule music playing can be achieved. And different music for different zones is also supported.



### SIP Voice/Video Intercom

Except SIP voice intercom, video intercom is supported with ZYCOO SIP safety video intercom IC03, or by using the IV03 integration with external IP camera.



### Live SIP Paging

By dialing a speaker or speaker group number from an IP phone or a SIP microphone to initiate a live SIP paging. And by using ZYCOO IP Audio Dispatch Console, click to paging is supported.



### Audio Conferencing

ZYCOO IP Audio Center supports audio conferencing, and the conference can be managed by using the IP Audio Dispatch Console. Invite, mute/unmute, kick out participants options are supported.



### G.722 Audio Codec Support

ZYCOO IP Audio Center, network speakers, SIP safety intercom devices, SIP paging gateways and IP phones all support G.722 HD wideband audio codec. HD audio quality of SIP paging, SIP intercom and SIP phone calls is guaranteed.



### Auto Provisioning and Centralized Management

By using MQTT IoT protocol the IP Audio Center can auto provision, manage and control local or remote ZYCOO IP audio endpoints.



### Recording System

SIP paging, SIP intercom, SIP phone calls can be automatically recorded by the IP Audio Center, the recordings can be reviewed online and downloaded for archiving if required.



### Multiple Dispatch User Login

Multiple IP Audio Dispatch Console users can be created on the IP Audio Center, and the users can be associated with different group/groups. So, each of the users can work separately, and multi-site IP Audio system can be achieved.



### Auto Receptionist (IVR)

Customized, multi-level auto receptionist menu can be set up on the IP Audio Center, improves inbound call processing efficiency and caller satisfaction.



### SIP/IMS Trunk and Inbound/Outbound Call Control

SIP and IMS trunks are supported by the IP Audio Center, for integration with the ITSP or third-party SIP server and as a result, inbound and outbound phone calls are supported.

## More Features

- Scheduled Broadcasting
- Recording System
- Audio Conferencing
- Auto Provisioning
- Volume Control
- Barge Spy
- SIP Trunking
- Video Call
- Multiple Dispatch User
- Customized Group Number
- Customized IVR Voice Prompts
- Broadcast Begin Indication Tone
- Do Not Disturb (DND)
- Wakeup Call
- Emergency Broadcasting
- Live SIP Paging
- Paging Group (Zone)
- Endpoints Status Monitoring
- Call Spy
- Call Split
- API Support
- Customized Device Label
- System Logs
- RTSP Address Association
- Call Logs
- Inbound/Outbound Call Control
- Call Forward
- Google TTS (Text-to-Speech)
- SIP Voice Intercom
- Intercom Recording
- Zone-based Paging
- Video Intercom
- Whisper Spy
- Caller ID
- Streamed Media Music
- Device Fault Report
- Customized Device Number
- Device Location Mark
- Call Recording
- Feature Codes
- Call Transfer
- Auto Receptionist (IVR)

## Specifications

Number of IP Audio Endpoints	4000 (Max)
Number of Paging Groups (Zones)	Unlimited
Number of MP3 Audio Files	Unlimited
Number of Playlists	200 (Max)
Number of Timetable Triggered Broadcast Tasks	Unlimited
Number of Number Triggered Broadcast Tasks	Unlimited
Number of SIP Concurrent Calls	500 (Max)
Number of Simultaneous Conference Attendees	500 (Max)
Number of SIP Paging Network Speakers	500 (Max)
Recording Time	Unlimited (Wav format, 1MB/min)