ZYCOO

Create a Calming and Healing Environment in Healthcare Settings with ZYCOO

- Zone Paging
- Emergency Alarm
- Access Control
- Contactless Intercom

ZYCOO IP AUDIO SOLUTION FOR HEALTHCARE

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OVERVIEW

Healthcare facilities require public address (PA) systems to support daily communication and emergency alerts. These systems help convey departmental notices and patient instructions, and in emergencies, they quickly issue alarms and evacuation instructions. By enhancing service quality and ensuring the safety of personnel, public address systems are essential for the efficient operation and security of hospitals.

ZYCOO's Unified IP Audio Solution for hospitals meets the demands for high-definition audio, video, and two-way communication, ensuring exceptional clarity. Focused on optimizing management and enhancing the patient experience, the ZYCOO solution seamlessly integrates with video management systems (VMS), providing comprehensive audio and video monitoring across the healthcare facility. This enhances safety and improves the quality of patient care.

With ZYCOO's Healthcare Communication Unified IP Audio Solution, you can efficiently, flexibly, and easily meet the following application needs:

Emergency communication for inpatients

Hands-free intercom communication in operating rooms

Broadcast instructions in the patient areas

Schedule timetable-triggered tasks to broadcast routine announcements

Remote access control to enhance the safety of entry and exit in critical areas

Play soothing music in the rehabilitation areas

Integrate with video management systems for remote patient monitoring

Hospital-wide **safety and evacuation announcements**

ZYCOO's Unified IP communication solution seamlessly integrates IP speakers, intercoms, and cameras, significantly enhancing communication efficiency in facility operations. The ZYCOO unified communication platform allows you to manage all your communication and emergency response devices from a single interface. This integration shortens response times for security teams, helping save every second for patients.

DEPLOYMENT IN HOSPITALS

RECOMMENDED TECHNOLOGY

SH10
1

SC15
5

VI-A05
4

Parking Lot

Emergency Room

SQ10
3

VI-A05
4

SW15
2

Operating Room

Emergency Entrance

Outpatient Lobby

Nurse's Station

SH10
1

VI-A05
4

Patient Room

VI-D05
4

SC15
5

M100
6

H4P
7

1 **SH10 Network Horn Speaker**

Long-range outdoor speaker supports high-volume alerts for outdoor and high-noise areas, including parking lots and building exteriors.

2 **SW15 Network Cabinet Speaker**

Cabinet speaker that delivers wide coverage, powerful audio output for public areas such as hospital lobbies, waiting zones, and cafeterias.

3 **SQ10-T Network square speaker**

SIP speaker enables real-time two-way communication and displays time, alerts, and announcements to support clear nurse-to-patient coordination.

4 **VI Series Network Intercoms**

IP intercoms with secure, instant voice and video communication for entrances, wards, and nurse stations for effective access control and emergency response.

5 **SC15 Network Ceiling speakers**

Ceiling-mounted speakers for clear paging and background music,typically installed in patient rooms, corridors, and waiting areas.

6 **M100 Network Microphone Console**

M100 serves as the centralized paging hub, enabling quick zone selection and one-touch announcements across the entire healthcare facility.

7 **CooFone H4P**

SIP Phone works seamlessly with the M100 microphone console for nurse-station coordination, enabling clear multi-line communication and quick response.
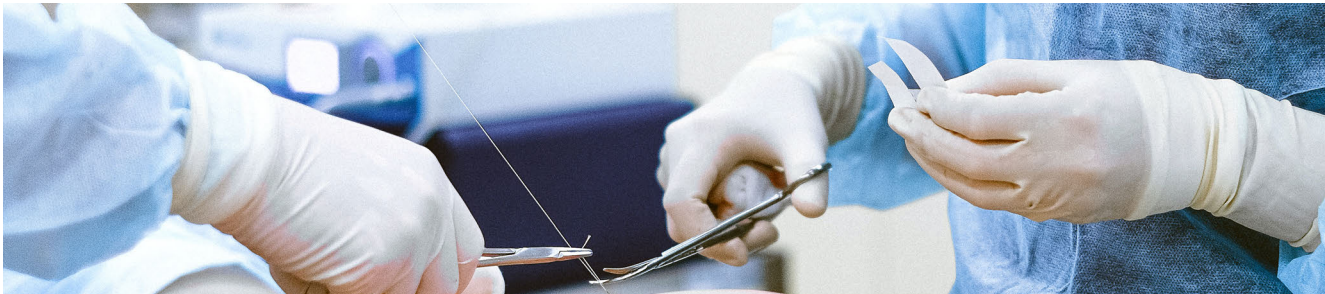
FOCUS AREAS

◆◆ Emergency Room

Emergency rooms often face critical situations, especially when patients arrive in distress or life-threatening conditions, requiring rapid response.

Installing ZYCOO ceiling speakers allows for immediate broadcast of alarms and emergency information, helping doctors quickly receive and address patient needs.

Additionally, deploying VI-V05 intercoms facilitates fast communication between doctors across different departments, enabling a swift response to various urgent cases and buying precious time to ensure patient safety.

◆◆ Operating Room

During surgeries, ZYCOO ceiling speakers deliver timely updates to the surgical team. In critical situations, ceiling speakers can quickly broadcast emergency information, enabling the medical team to respond promptly and ensuring the safety of both patients and staff.

Additionally, in the event of an emergency, the VI-A05 intercoms allow staff to trigger urgent calls simply by waving their hands, without the need to touch the device. This contactless activation ensures safe use in operating rooms.

SC15

◆ Broadcast notifications and announcements
◆ Voice paging
◆ Emergency evacuation
◆ Centralized management
◆ Intercom (with button accessory)

SC15

◆ Broadcast notifications and announcements
◆ Voice paging
◆ Emergency evacuation
◆ Centralized management
◆ Intercom (with button accessory)

VI-V05

◆ Press to intercom
◆ Press to request API
◆ Provide video screen during intercom
◆ Centralized management
◆ Certified in IP66 water & dust proof
◆ Certified in IK10 impact resistance

VI-A05

◆ Hand wave to intercom
◆ Provide two call destinations
◆ Centralized management
◆ Certified in IP66 water & dust proof
◆ Certified in IK10 impact resistance

◆ Patient Room

To ensure patients receive timely care, ZYCOO ceiling speakers broadcast important notifications and play soothing, high-definition music to create a calming environment and reduce anxiety.

For personalized assistance, the VI-D05 with two buttons intercom allows patients to press INFO to request routine help, such as meals or medication, or EMERGENCY to seek immediate support during critical situations, ensuring rapid nurse station.

◆ Outpatient Lobby

Patients and their families often feel anxious while waiting for care. By installing the ZYCOO wall-mounted speakers, hospitals can broadcast real-time updates on wait times, allowing patients and families to stay informed about the progress of their appointments.

Additionally, through peripheral devices integration, the speakers can connect to devices like smoke detectors. In the event of a fire, it will automatically broadcast emergency alert audio to provide timely warnings.

SC10

◆ Play soothing music
◆ Broadcast notifications and announcements
◆ Voice paging
◆ Emergency evacuation
◆ Centralized management
◆ Intercom (with button accessory)

SW15

◆ Play queue progress updates
◆ Play soothing music
◆ Broadcast notifications and announcements
◆ Voice paging
◆ Emergency evacuation
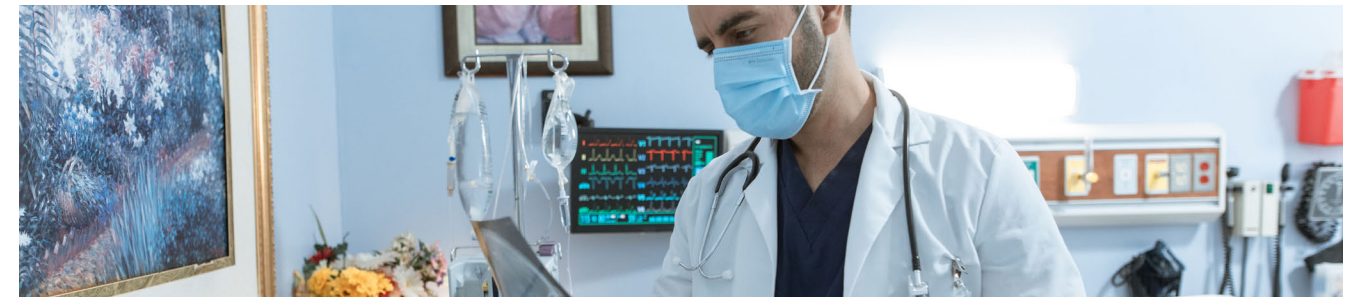◆ Centralized management
◆ Intercom (with button accessory)

VI-D05

◆ Press to intercom
◆ Press to request API
◆ Provide two call destinations
◆ Certified in IP66 water & dust proof
◆ Certified in IK10 impact resistance
◆ Centralized management

SQ10

◆ Time & date display
◆ Daily announcement
◆ Scheduling bells
◆ Voice paging
◆ Display preset text
◆ Intercom (with button accessory)
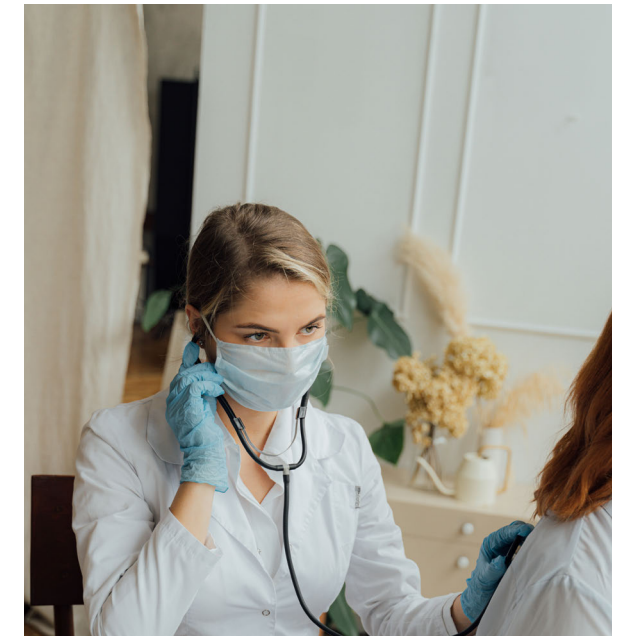◆ Centralized management

Emergency Entrance

The hospital's emergency entrance must remain clear at all times to ensure that critically ill patients receive timely treatment. To help keep this area unobstructed, pre-recorded announcements can be broadcast through the outdoor loudspeaker as reminders.

In case of crowding or vehicles blocking the entrance, security personnel can use live voice announcements to intervene on-site. Additionally, staff can use VI series emergency intercoms to call for further assistance from security when needed.

Nurse's Station

Nurses need to quickly respond to ward calls, monitor medical equipment status, receive emergency notifications, and maintain real-time communication with other departments.

Deploying the M100 Microphone Console enables nurses to promptly address patient calls and contact doctors in relevant departments as needed, ensuring patient safety. Through the IP Audio Dispatch Console software, nurses can perform rapid broadcasting to different wards, call patients' families, and handle unexpected emergencies efficiently.

SH10

◆ Daily announcement
◆ Voice paging
◆ High volume emergency alarm
◆ Intercom(With button accessory)
◆ Centralized management
◆ Certified in IP66 water & dust proof

M100

◆ Initiate live paging
◆ Intercom
◆ Send daily announcement
◆ Serverless paging
◆ Serverless music playlist
◆ Serverless alarm sound
◆ Event scheduler
◆ Remote door manage
◆ Remote relay control

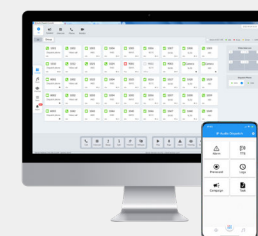### VI-A05

◆ Press to intercom
◆ Press to request API
◆ Centralized management
◆ Certified in IP66 water & dust proof
◆ Certified in IK10 impact resistance

IP Audio Dispatch Console & Dispatch App

◆ Initiate live paging
◆ Intercom
◆ Send daily announcement
◆ Operate music playback
◆ Tasks
◆ Real-time device status monitoring
◆ Meeting
◆ Operate PBX advanced features

BENEFITS

01. Comprehensive Server-based Solution Provided

Choose ZYCOO's all-in-one comprehensive IP communication solution. Utilizing a server-client architecture, the server (IP Audio Center) centralized manages endpoint devices, while desktop or mobile software facilitates operations on these endpoint devices, which brings high convenience. And all IP endpoints come with independent GUI interfaces for easy configuration.

This solution provides extensive functionality support, even for advanced telecommunication features like SIP trunk, inbound routing, IVR navigation, and more. It also supports server-less communication modes such as multicast and peer-to-peer (P2P).

02. Standalone Server-less Solution Provided

For those who do not want to use the server, ZYCOO also provides server-less independent microphone console solution based on the M100. Using the M100's multicast feature, it allows some basic features like individual or group announcements and music playback.

It also supports event scheduling, enabling timetabled tasks to be executed at specific times. With its built-in 32GB industrial-grade TF card, audio files in WAV or MP3 formats can be uploaded, making it an ideal fit for school environments.

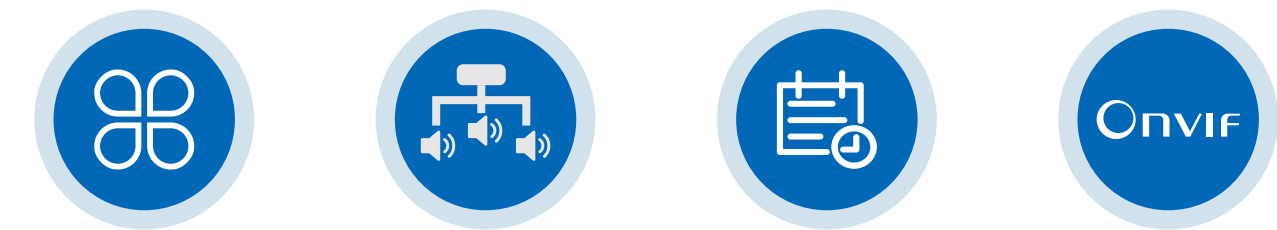## 03. Upgrade for Traditional Facilities

Choose ZYCOO devices to upgrade your traditional equipment. By integrating the X10 paging gateway, you can connect power amplifiers, enabling digital audio can be played to traditional analog speakers for announcements, paging, and music.

In this way, the traditional facilities in the schools can be retained and utilized through upgrades, avoiding the additional financial expenditure.

04. Seamless Technical Compatibility

Choose the ONVIF-based independent communication solution. Using an ONVIF supported VMS platform, ZYCOO speakers can be registered for individual paging through software, providing real-time announcements alongside surveillance to stop illegal activities.

Additionally, ZYCOO Dante power amplifier supports the Dante protocol, allowing real-time audio transmission to other Dante devices for enhanced synchronization and audio quality.