



Creating Safe and Comfortable Learning Environments with ZYCOO



- ◆ Emergency Alarm
- ◆ Communication
- ◆ Access Control
- ◆ Intercom



ZYCOO IP AUDIO SOLUTION
FOR EDUCATION

OVERVIEW



Nowadays, school safety has become a focal point of societal concern. ZYCOO has specifically tailored an integrated communication system and emergency alarm solution for school scenarios, enhancing school security while improving information transmission efficiency and management levels.



ZYCOO provides comprehensive SIP endpoint devices to address various needs at schools. From speakers and intercoms to microphone consoles and paging gateways. These devices meet the requirements of most educational facilities and can seamlessly integrate into the ZYCOO IP Audio Center or other standard SIP servers.



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



Emergency alerts for incidents or natural disasters



Intercom communication with the security room in emergency



Paging individuals from the broadcast room



Making announcements and notifications in playgrounds or academic buildings



Scheduling bells for daily classes



Playing soothing music during activities



Group devices in different areas



Telephone communication and meeting for teachers' offices



Audio and video integration with IP cameras



Remote control for main doors or security doors

ZYCOO's Unified IP Audio Solution merges safety and communication, providing more possibilities for creating a healthy and vibrant school environment.



DEPLOYMENT IN SCHOOLS



RECOMMENDED TECHNOLOGY

- 

SQ10-T Network Square Speaker
Two-way IP speakers for classrooms, libraries, and hallways, supporting clear announcements, class bells, and campus-wide communication.
- 

SH30 Network Horn Speaker
Weatherproof outdoor IP speakers for paging, sports field announcements, and emergency alerts across school campuses.
- 

VI-D05 Network Intercom
Smart IP intercom with dual call buttons, allowing both regular inquiry and emergency call, offering access control and emergency call functions for school gates and secure areas.
- 

M100 Network Microphone Console
Central paging console for live announcements, background music, and emergency broadcasts across school zones.
- 

IP Audio Dispatch Console Software
Software for managing school intercoms, paging zones, and emergency broadcast schedules from a central interface.
- 

PB-S11 Network Panic Button
SIP-based silent alert button for classrooms, enabling staff and students to send instant emergency notifications.
- 

EA-B11 Call Button with Microphone
Compact call button with built-in mic for two-way communication when paired with ZYCOO network speakers, ideal for quick classroom or hallway calls to offices.
- 

SW15 Network Cabinet Speaker
High-performance SIP cabinet speaker for campus paging, notifications, music playback, and two-way intercom (connect with the EA-B11 call button).

FOCUS AREAS



Classroom

Deploying one or more ZYCOO indoor commercial speakers, such as SQ10, SC15, or SW15, will ensure effective voice paging and emergency alerts in classrooms. Classrooms can also receive daily announcements and notifications with these systems.

As a feature, teachers can play pre-recorded audio lessons to enhance instructional quality. When the above speakers are used with BM11 accessories, they can easily obtain the two-way communication capability.

Security Room/Admin Office

One can use an M100 as the master phone for security or in an admin office to easily manage overall operations. This includes a paging area, emergency response communication, and remote access control.

Additionally, with the IP Audio Dispatch Console, one can perform advanced features. Such tasks include real-time device status monitoring and security camera linkage.



SQ10-T

- ◆ Time & date display
- ◆ Daily announcement
- ◆ Scheduling bells
- ◆ Voice paging
- ◆ Display preset text
- ◆ Intercom (with button accessory)
- ◆ Play enhanced audio for instructional content
- ◆ Centralized management

M100

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



EA-B11 Call Button with Microphone

- ◆ Press to intercom
- ◆ Press to request API
- ◆ Press to play preset audio



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



Outdoor recreational area

By deploying ZYCOO outdoor waterproof speakers (such as SH30, SH10, or SL30), reliable daily announcements, voice paging, and emergency alarms are ensured. These speakers' excellent waterproof and dust-proof capabilities make them suitable for all weather conditions.

Additionally, with the VI intercom, students can request help at any time. This can enhance the student's ability to handle unforeseen accidents.

GYM

In open spaces like gymnasiums, it's crucial to ensure clear and accurate sound transmission. ZYCOO horn speakers (SH30, SH10) effectively deliver high-volume notifications and paging.

Installing an VI-D05 intercom at the gym entrance allows for dual-purpose use: one for emergency calls and the other for daily requests, such as door access.



SH30

- ◆ Daily announcement
- ◆ Scheduling bells
- ◆ Voice paging
- ◆ High volume emergency alarm
- ◆ Play soothing music
- ◆ Centralized management
- ◆ Certified in IP65 water & dust proof

SH10

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



VI-A05

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



VI-D05

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





◀ Cafeteria

In cafeterias, ZYCOO ceiling speakers (SC15, SC10) are used to play music and make announcements, creating a pleasant and efficient atmosphere.

With the VI-D05 intercom, kitchen staff can communicate effortlessly by simply waving their hands, ensuring hygiene without the need for physical contact.



◀ Hallway/Entrance

ZYCOO SW15 cabinet speakers can be used in hallways and entrances in schools by the ring of a bell to signal students that class is starting and to remind students to go to their next class.

When an VI-V05 is installed at an entrance, it allows direct communication to the security personnel. The security staff can confirm information through a video feed and assist with opening the main doors, ensuring secure access control.



SC15



- ◆ Play soothing music
- ◆ Daily announcement
- ◆ Voice paging
- ◆ Emergency alarm
- ◆ Intercom (with button accessory)
- ◆ Centralized management

SW15

- ◆ Daily announcement
- ◆ Scheduling bells
- ◆ Voice paging
- ◆ Emergency alarm
- ◆ Intercom (with button accessory)
- ◆ Centralized management



VI-D05

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



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



BENEFITS

01. Comprehensive Server-based Solution Provided

ZYCOO's all-in-one comprehensive IP communication solution utilizes a server-client architecture. The centralized server (IP Audio Center) manages all endpoint devices, while desktop or mobile software facilitates operations on these endpoint devices. This creates a convenience to the user. 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 a server-less, independent microphone console solution based on the M100. The M100's multicast feature allows basic features such as 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

ZYCOO devices can upgrade traditional equipment. This can be done by integrating the X10 paging gateway. The X10 can be connected to power amplifiers which can enable digital audio to be played on 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

The ONVIF-based independent communication solution is a great choice for security. When using the ONVIF-supported VMS platform, ZYCOO speakers can be registered for individual paging through the software. This provides real-time announcements along with surveillance which could stop illegal activities.

Additionally, the ZYCOO Dante power amplifier supports Dante audio input technology. This allows real-time audio transmission to other Dante-enabled devices for enhanced synchronization and audio quality.

