



Create an Efficient and Secure Production Environment with ZYCOO



- ♦ Paging
- ♦ Intercom
- ♦ Emergency Alarm
- ♦ Access Control



ZYCOO IP AUDIO SOLUTION
FOR **INDUSTRIAL**

OVERVIEW



In industrial environments, public address and emergency notification systems are essential for ensuring safety, improving communication, and boosting efficiency. These systems allow for quick dissemination of crucial information, such as emergency alerts and evacuation instructions, helping to protect workers during critical situations. They also enhance day-to-day operations by enabling real-time updates and coordination across large factories.

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



Emergency evacuation announcements within the factory



Intercom with the security room in emergencies



Remote access control for high-risk areas to ensure security



Zone paging for different areas



Integrated **alarm lights** provide **visual alerts** in case of fire



With **Adaptive Noise Reduction** and **Acoustic Echo Cancellation**, it delivers clear announcements even in noisy environments



Integration with 3rd party video management systems

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ZYCOO's Unified IP Audio Solution combines PA systems, emergency intercoms, and evacuation systems into one integrated platform. It also supports seamless integration with 3rd party video management systems. This solution helps industrial enterprises create an efficient, secure, and intelligent communication environment. Designed for key applications across factories, it ensures comprehensive safety broadcasting and timely communication for all areas of your operations.



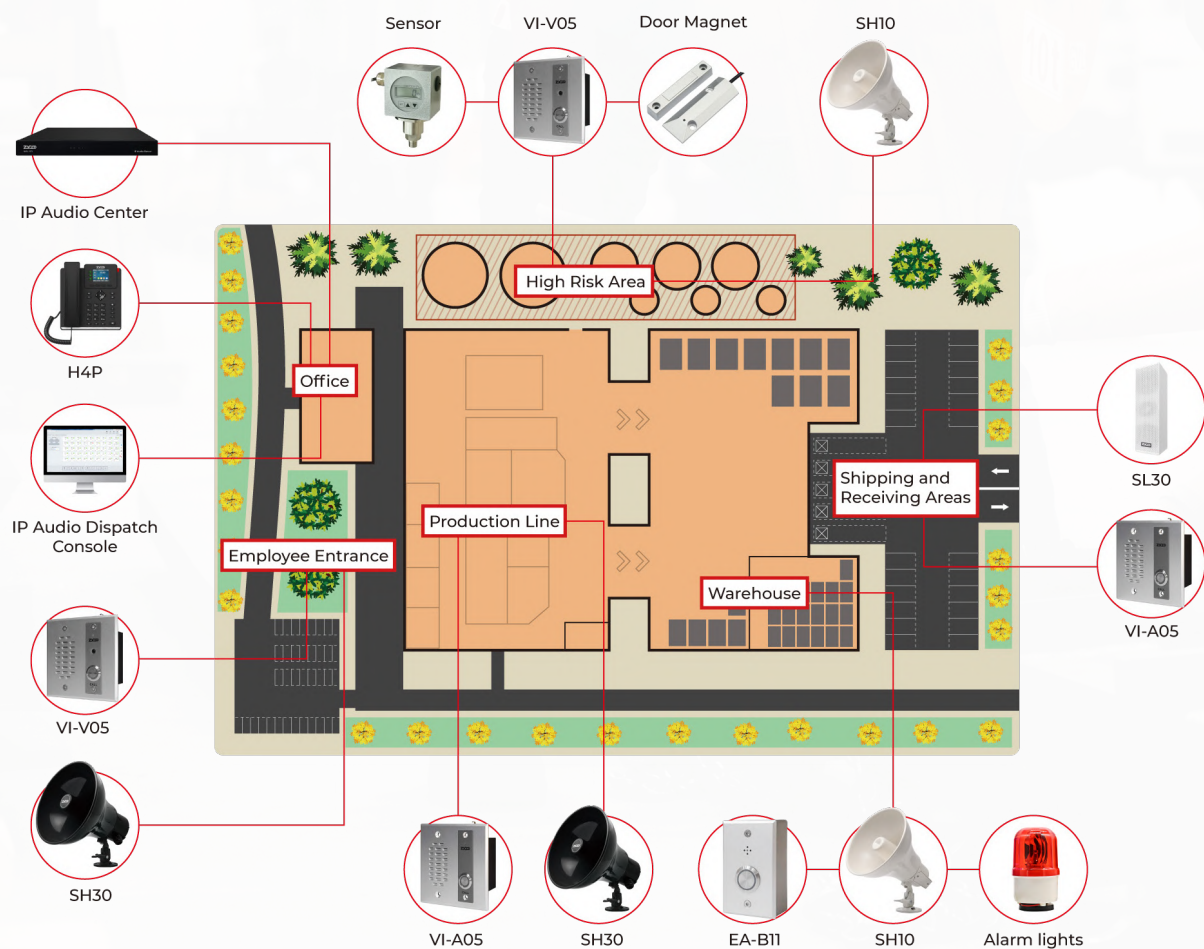
ZYCOO's Unified IP communication solution offers high compatibility and connectivity. Through advanced software platforms and end devices, we provide the industrial sector with an intelligent, scalable communication solution, helping businesses create a safer and more efficient work environment.



DEPLOYMENT IN FACTORIES

In industries, the primary focus is on enhancing operational efficiency, ensuring productivity, and safeguarding employee safety. ZYCOO offers a range of solutions for industrial spaces of all sizes, including voice paging, emergency alarms, wide-coverage announcements, and remote access control for high-risk areas.

These systems can also integrate with alarm lights, detectors, IP cameras, and more, maximizing their seamless, highly-integrated capabilities. Whether it's shift changes, safety alerts, or emergency broadcasts for chemical spills, ZYCOO helps maintain stable operations and ensures safety across a variety of industrial scenarios.



RECOMMENDED TECHNOLOGY



SH10



SH30



SC15



X10



VI-V05



VI-A05



IAS-L100



Dispatch Console

FOCUS AREAS



Employee Entrance

Factories, as critical industrial hubs, must enforce strict access control to safeguard both production materials and personnel. Installing ZYCOO's VI-V05 Video Intercom at factory entrances allows for quick identification of visitors through both audio and video verification, ensuring smooth entry for employees and guests without causing congestion.

Additionally, deploying the SH30 outdoor waterproof horn speaker at key entry points enables the playback of parking guidance and employee conduct instructions, helping create a safe and orderly production environment. With an IP66 rating for water and dust resistance, the VI-V05 is perfectly suited for the noisy, dusty, and harsh conditions commonly found in factories.



Production Line

The production line, with its high level of automation, is prone to potential issues like machine malfunctions or high-temperature fires. To ensure the smooth operation and safety of the production line, deploying ZYCOO's SH30 horn speaker can effectively broadcast important updates such as shift changes, equipment failures, and emergency safety alerts.

With its ultra-high decibel output, the SH30 is perfectly suited to the noisy environment of a production floor. Additionally, by installing the VI-A05 emergency intercom, patrolling employees can quickly report issues like machine breakdowns or fires to the security room, ensuring the continued smooth operation of the production line.



SH30



- ◆ Daily announcement
- ◆ Emergency evacuation
- ◆ Voice paging
- ◆ Play employee safety guidelines
- ◆ Certified in IP65 water & dust proof
- ◆ Centralized management

SH30

- ◆ Daily notification
- ◆ Emergency evacuation
- ◆ Voice paging
- ◆ Play shift changes
- ◆ Certified in IP65 water & dust proof
- ◆ Centralized management



VI-V05

- ◆ Press to intercom
- ◆ Press to request API
- ◆ Provide video screen during intercom
- ◆ Centralized management
- ◆ Vandal-proof plate
- ◆ Tamper alarm design



VI-A05

- ◆ Press to intercom
- ◆ Press to request API
- ◆ Centralized management
- ◆ Vandal-proof plate
- ◆ Tamper alarm design





◀ Shipping and Receiving Areas

In the factory's shipping and receiving areas, broadcasting and intercom terminals can significantly enhance communication efficiency, safety management, and workflow coordination.

By deploying ZYCOO's SL30 column speakers, you can effectively manage scheduling and task direction, ensuring timely notifications about incoming shipments, vehicle queuing, or unloading priorities. The system also provides safety alerts in areas with forklift traffic or where goods are being hoisted, helping to maintain safe operations in the unloading zone.

Additionally, the VI-A05 emergency intercom allows on-site operators to communicate in real time with the office or other departments, enabling quick adjustments to workflows or immediate responses to unexpected situations.



◀ High Risk Area

High-risk areas within factories, where chemicals and production materials are stored, require strict safety measures. To ensure the safety of these zones, temperature and gas leak detectors are often deployed. By integrating ZYCOO's horn speakers with these detectors, in the event of an emergency such as abnormal temperature or gas leakage, the system can automatically trigger the speakers to play urgent warnings and initiate the evacuation of personnel.

Additionally, the deployment of the VI-V05 video intercom allows for automatic activation of emergency calls, notifying the security room to immediately implement emergency protocols. Access to these high-risk areas is strictly limited, and ZYCOO's emergency intercoms can be linked with door sensors. Only authorized employees can verify their identity via the intercom, allowing the security room to remotely control access, thereby minimizing the risk of unauthorized personnel entering these critical zones.



SL30



- ◆ Daily announcement
- ◆ Emergency evacuation
- ◆ Voice paging
- ◆ Play incoming shipments, vehicle queuing
- ◆ Certified in IP65 water & dust proof
- ◆ Centralized management

SH10

- ◆ Daily announcement
- ◆ Emergency evacuation
- ◆ Voice paging
- ◆ Play employee safety guidelines

- ◆ Certified in IP66 water & dust proof
- ◆ Centralized management



VI-A05

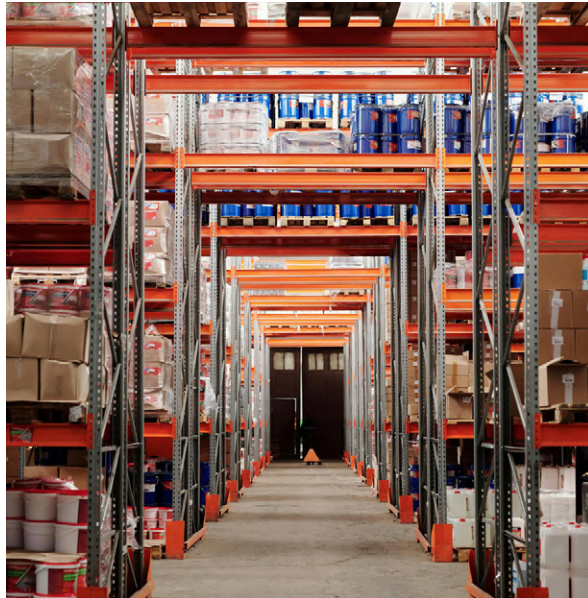
- ◆ Press to intercom
- ◆ Press to request API
- ◆ Centralized management
- ◆ Vandal-proof plate
- ◆ Tamper alarm design



VI-V05

- ◆ Press to intercom
- ◆ Press to request API
- ◆ Provide video screen during intercom
- ◆ Centralized management
- ◆ Vandal-proof plate
- ◆ Tamper alarm design





◀ Warehouse

Warehouses store critical production materials, and to protect these assets from fire damage and ensure the safety of the inventory, ZYCOO's SH10 horn speakers can be deployed. In the event of a fire or unauthorized entry, the SH10 can play alarm sounds and emergency notifications.

The SH10 can also be connected to alarm lights, providing a more visible alert in case of an emergency. Paired with the EA-B11 call button accessory, warehouse managers can easily contact the security room for immediate assistance.

Additionally, the SH10 features an integrated microphone, enabling two-way communication during emergencies to help ensure the safety and security of the warehouse.



◀ Office

Factory managers need a centralized solution to manage and operate broadcasting equipment across all areas, enabling them to quickly deliver real-time updates on safety protocols, area-specific notices, and other important announcements.

With the IP Audio Dispatch Console software, they can monitor the online status of all devices registered on the IP Audio Center in real time. Using the H4P IP Phone, managers can easily make live announcements to specific zones or individual devices, ensuring clear and targeted communication across the entire factory or specific sections.

Additionally, they can create scheduled tasks tailored to shift changes, triggering automated reminders during transitions. This streamlines operations and boosts overall production efficiency.



SH10



- ◆ Daily announcement
- ◆ Emergency evacuation
- ◆ Voice paging
- ◆ Play employee safety guidelines
- ◆ Certified in IP66 water & dust proof
- ◆ Centralized management

H4P

- ◆ Making calls
- ◆ Voice paging
- ◆ Customizable fast key
- ◆ Trigger dtmf signal

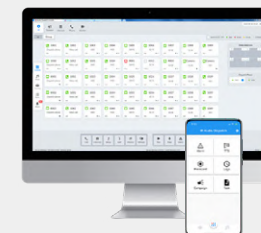


EA-B11 Call Button with Microphone

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



IP Audio Dispatch Console & Dispatch App



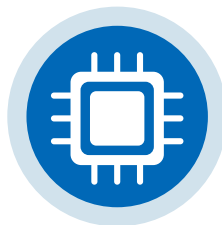
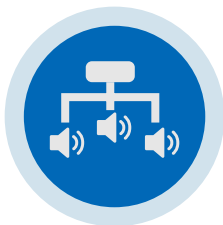
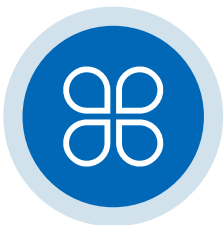
- | | |
|---------------------------|--------------------------------------|
| ◆ Initiate live paging | ◆ Real-time device status monitoring |
| ◆ Intercom | ◆ Meeting |
| ◆ Send daily announcement | ◆ Operate PBX advanced features |
| ◆ Operate music playback | |
| ◆ Tasks | |

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. 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.

04. High Integration Capability

The system's multiple peripheral interfaces allow for seamless connection with devices such as alarm lights, door sensors, and various types of detectors, broadening the range of scenarios in which the public address system can be applied.

By integrating with environmental monitoring equipment, the system can promptly issue alerts in case of abnormalities, ensuring the monitored areas remain secure and maintaining overall safety.

