



Enhancing the Efficiency of Transportation and Emergency Response with ZYCOO



- ♦ Paging
- ♦ Notification
- ♦ Emergency Alarm
- ♦ Intercom



ZYCOO IP AUDIO SOLUTION FOR **TRANSPORTATION**

OVERVIEW



In today's increasingly complex transportation environment, achieving accurate information transmission, timely emergency response, and efficient voice dispatching has become the key to improving the operational efficiency of transportation systems and the public's travel experience.


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ZYCOO has custom-developed an IP audio solution specifically for the transportation industry, enabling clear regional paging, rapid release of emergency notifications, and two way communication — all centrally controllable via a unified platform.



With ZYCOO's SIP-based audio endpoints — including network speakers, network intercoms, and platform voice pillars — transportation operators can effectively manage passenger flow, ensure travel safety, and optimize daily voice dispatching. This system can not only be centrally managed via the ZYCOO IP Audio Center but also seamlessly integrate with other standard transportation management systems.

In ZYCOO's Unified IP Audio Solution, you can efficiently, flexibly, and effortlessly meet the following application requirements:

-  **Real-time voice announcements in waiting areas, carriages, and platforms**
-  **Person paging and zoned broadcasting**
-  **Instant two-way communication between platforms and control center**
-  **Emergency alerts and transportation info notifications**
-  **Emergency broadcasting and evacuation guidance for incidents**
-  **Two - way intercom for customer service/assistance**
-  **Multi-language announcements for international travelers**
-  **Timed music/broadcast playback Integration with VMS**
-  **Centralized management and zoned control from operation dispatch center**
-  **Background music playback in rest areas**
-  **Lost & found notifications and passenger information updates**

ZYCOO's unified IP audio solution allows traffic operators to integrate safety assurance, travel services and voice systems into one. It creates smarter and more interconnected transport hubs and networks. By improving information transmission, it enhances public travel experiences and makes a deep impression of being professional and reliable.



AIRPORT DEPLOYMENT



In airport scenarios, ZYCOO solutions prioritize hassle-free deployment and scenario-specific functionality. Our SIP-based audio devices—including speakers and intercoms—leverage PoE infrastructure for quick installation, minimizing disruption to daily operations.

Beyond key interior zones like terminals, security checkpoints and boarding gates, our ruggedized outdoor speakers extend coverage to parking lots, shuttle stations and cargo areas. This creates seamless audio connectivity across the entire airport campus, ensuring consistent communication and safety alerts wherever needed.

RECOMMENDED TECHNOLOGY



SC15



SW15



SH10



SH30



VI-A05



VI-D05



M100



IAS-L100

FOCUS AREAS



Terminal Public Area

In the airport terminal, the first stop for passengers with high foot traffic and fast - paced movement, ZYCOO’s SC15 and SW15 ceiling - mounted IP speakers are evenly distributed. They deliver high - quality background music, flight info previews, service directions, and paging for lost - and - found. Zoned paging lets staff give specific instructions and respond quickly in emergencies. This setup enhances passenger experience, streamlines terminal operations, and improves real - time service coordination.



Security Check Areas

When passengers are waiting for security checks, they need to clearly receive queuing guidance and security check requirements (such as “Please take out electronic devices in advance”). Install SH10 above the queuing lanes; its sound directionally covers the queue area, minimizing interference to adjacent zones and ensuring waiting passengers receive information accurately. Additionally, adding VI-A05 intercom devices – intended for emergency alerts – allows staff to quickly report issues or seek assistance in urgent situations.



SC15



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

SH10

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

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



SW15

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



VI-A05



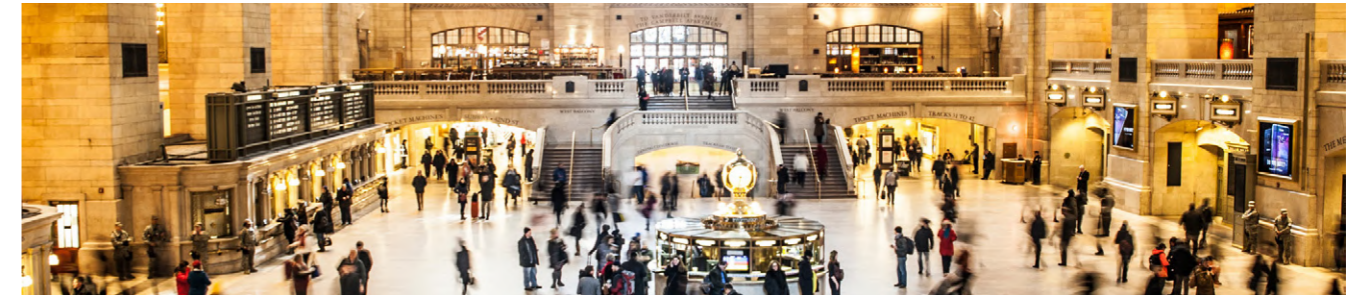
- ◆ Press to intercom
- ◆ Press to request API
- ◆ Centralized management
- ◆ Vandal-proof plate
- ◆ Tamper alarm design



◀ Waiting Areas

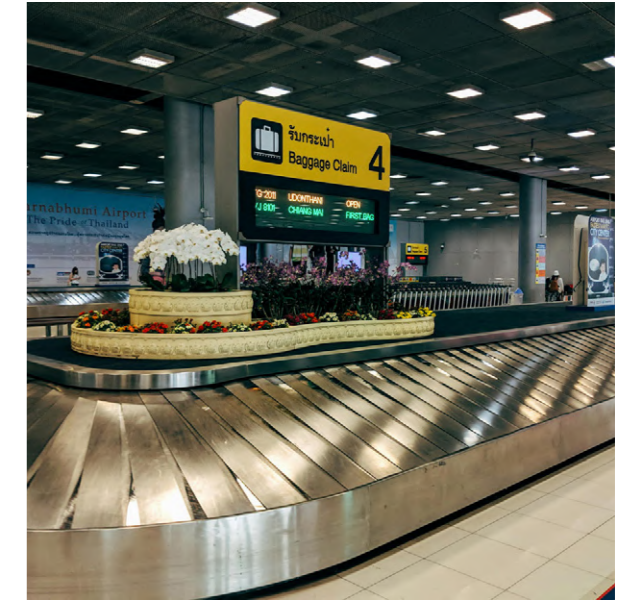
The waiting areas corresponding to each boarding gate are where passengers stay for extended periods, requiring precise broadcasts of flight boarding information, delay notices, and other updates specific to that gate. Mounting SH30 units on the walls of each boarding gate waiting area ensures passengers in these zones can clearly receive exclusive flight information. Moreover, the speakers at each gate can be independently controlled to prevent information confusion.

In public seating areas outside the boarding gate waiting zones, airport service information, background music, and similar content can be played. Installing SC15 units here helps create a comfortable waiting atmosphere.



◀ Baggage Claim Area

Passengers wait here for their luggage. SH10 installed above each conveyor belt, directed at the waiting area, ensures clear announcements about flight and conveyor info. In case of luggage issues or emergencies, passengers can use the VI - D05 intercom to report problems or request help.



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
- ◆ 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-D05

- ◆ Press to intercom
- ◆ Press to request API
- ◆ Provide two call destinations
- ◆ Centralized management
- ◆ Vandal-proof plate
- ◆ Tamper alarm design





STATION DEPLOYMENT



Office Areas

In airport office areas, efficient internal communication and reliable coordination tools are vital for smooth operations. ZYCOO's M100 microphone console enables managers to schedule announcements, page staff, or initiate alerts as needed. For business calls, the H4P IP phone offers high-definition voice communication, supporting daily tasks like contacting airlines, coordinating ground services, or handling passenger inquiries—all within a quiet, connected administrative workspace.



M100

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



In railway transit hubs, our solutions seamlessly integrate rapid deployment with mission-critical reliability by utilizing PoE technology, allowing SIP-based audio devices such as platform speakers, ticket hall intercoms, and emergency call points to be installed in just a few hours, ensuring smooth operations for high-frequency train services. This system covers indoor critical areas, such as ticket gates, waiting lounges, and commercial concourses, providing clear and transparent passenger announcements so that every traveler can easily access information; at the same time, weather-resistant speakers at platform edges deliver real-time train schedules and safety warnings, ensuring passenger safety during their journeys. Additionally, industrial-grade outdoor units extend connectivity to freight yards, maintenance depots, and bus transfer hubs, guaranteeing that during peak travel seasons, the public address system operates 24/7 without interruption, can swiftly issue emergency broadcasts for evacuation coordination, and enables seamless communication between control centers and frontline staff. Together, let us create a safe, reliable, and efficient railway travel experience that ensures each journey is both reassuring and satisfying!



H4P

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

RECOMMENDED TECHNOLOGY



SC15



SW15



SH10



SH30



PB-S11



VI-V05



M100



IAS-L100

FOCUS AREAS

◀ Station Public Areas

Waiting Hall: As a core area with a high concentration of passengers and frequent foot traffic, it needs to broadcast train information announcements, station service guidelines, lost and found notices, etc. It is recommended to install SC15, evenly distributed on the ceiling, to ensure full sound coverage and enable passengers to clearly receive information anywhere in the hall.

Ticket Sales Area and Surrounding Areas of Information Desks: Passengers handle ticket purchases and inquiries here, requiring the delivery of information such as ticket purchase guidelines and refund policies. SW15 can be installed above ticket windows and next to information desks, supplemented by ceiling speakers for enhanced coverage, to prevent sound attenuation in areas close to the ground.



SC15

- ◆ 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)





◀ Security Check Areas

To enhance the experience in the security check area, SH10 can be installed above the queuing lanes. It delivers targeted, clear broadcasts of queuing guidance and security check requirements to waiting passengers, minimizing noise interference to other areas. Additionally, adding VI-V05 intercom terminals for emergency alert purposes allows staff or passengers to press the button to initiate silent alarm calls to predefined destinations in the event of an emergency.



◀ Waiting And Ticket Checking Areas

Boarding Gate Waiting Area: Passengers stay here for a relatively long time, requiring precise broadcasts of train check-in information, delay notifications, etc., specific to the corresponding boarding gate. Install SH30 and VI-V05 on the wall of each boarding gate waiting area. These devices support independent control to avoid information confusion, ensuring passengers clearly receive exclusive train information.

Platform Area: When trains arrive or depart, it is necessary to broadcast boarding instructions (such as “The train is arriving soon, please stand behind the safety line”) and platform transfer information. Install SH30 and VI-V05 on the columns on both sides of the platform to adapt to the platform environment and ensure that passengers getting on or off the train can clearly receive the information. Through VI-V05, in case of an emergency, simply pressing the call button enables two-way communication with on-duty personnel. Meanwhile, VI-V05 provides a high-definition video feed, allowing on-duty personnel to gain a more intuitive understanding of the on-site situation.



SH10

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

SH30

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



VI-V05

- ◆ Press to intercom
- ◆ Press to request API
- ◆ Provide video screen during intercom
- ◆ 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





Office Areas

In the administrative area of a station, the key to ensuring efficient operational performance lies in effective internal collaboration and reliable communication tools. ZYCOO's H4P IP phones deliver high-definition voice communication, enabling accurate responses to daily tasks—whether contacting train dispatch departments, coordinating on-site service teams, or handling passenger inquiries—all within quiet, interconnected administrative spaces. Additionally, the M100 microphone console allows managers to flexibly initiate broadcasts, call staff, or issue emergency alerts, facilitating more timely transmission of internal directives and smoother coordination.



M100

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



H4P

- ◆ Making calls
- ◆ Voice paging
- ◆ Customizable fast key
- ◆ Trigger dtmfsignal



BENEFITS

01. Comprehensive Server-based Solution Provided

Choose ZYCOO's all-in-one IP communication solution tailored for retail operations. Using a server-client architecture, the IP Audio Center centrally manages all audio endpoints, while desktop and mobile applications allow store managers to operate paging, announcements, and task scheduling with ease. Each device also features an independent GUI for intuitive configuration.

This solution supports advanced communication features such as SIP trunking, inbound routing, IVR navigation, and more. It also supports server-less modes including multicast and peer-to-peer (P2P), offering deployment flexibility across chain stores or large-format retail locations.



02. Standalone Server-less Solution Provided

For retail stores that prefer lightweight deployment, ZYCOO offers a server-less solution based on the M100 microphone console. With multicast support, the M100 enables individual or group announcements, music playback, and real-time paging without requiring a central server.

It also supports scheduled tasks, such as daily messages. With a built-in 32GB industrial-grade TF card, managers can upload WAV or MP3 audio files, making it an ideal fit for supermarkets, boutiques, and convenience stores.





03. Upgrade for Traditional Facilities

ZYCOO devices can seamlessly upgrade existing analog audio systems in retail environments. By integrating the X10 paging gateway or SD series network power amplifiers, traditional analog speakers can receive digital audio signals for announcements, paging, or music playback.

This allows retail stores to preserve legacy infrastructure while enabling IP-based communication capabilities, reducing costs and avoiding complete equipment overhauls.

04. Seamless Technical Compatibility

ZYCOO solutions offer broad technical compatibility to meet diverse retail needs. Through ONVIF-compliant VMS platforms, ZYCOO speakers can be linked to surveillance systems, enabling synchronized paging and real-time announcements in response to suspicious activity.

Additionally, ZYCOO Dante-enabled power amplifiers allow high-fidelity audio to be distributed in real-time to other Dante-compatible devices—ideal for department stores or multi-zone shopping centers requiring precision audio control.

