



SPON

Education
Audio System
Solution



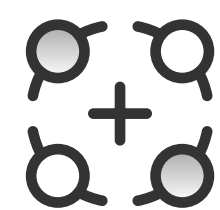
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Elevating Operational Efficiency



A Bastion Of Safety



Enriched Learning Paradigms



Maximizing School Safety And Efficiency With SPON

In today's age, educational institutions are tasked not only with fostering learning but also with ensuring the safety and well-being of every individual within their premises. As threats diversify and challenges amplify, the importance of comprehensive security solutions has never been clearer.

SPON's integrated security audio solutions are tailor-made to address these intricacies, providing a multi-faceted approach that transcends basic.



▲ KEY FEATURES

A BASTION OF SAFETY

- – **Proactive Vigilance:** SPON's Audio Suite, With Its Cutting-Edge Public Address, Intercom, And Audio Surveillance Capabilities, Coupled With Intelligent Analytics, Offers Schools A Proactive Stance, Enabling Early Threat Detection And Prompt Intervention.
- – **Rapid Response Mechanisms:** In Volatile Situations, Swift Action Can Make All The Difference. SPON's Systems Ensure That In Emergencies, Pertinent Information Is Relayed Instantly, Allowing For A Timely And Effective Response.

ELEVATING OPERATIONAL EFFICIENCY

- – **Full-Duplex Visual Intercom:** Enables Effective Two-Way Visual Communication.
- – **Noise Reduction Algorithm:** Enhances Audio Quality For Clearer Communication.
- – **Remote Monitoring Capabilities:** Ability To Check The Status Of The Terminals, Including Login And Intercom Status.

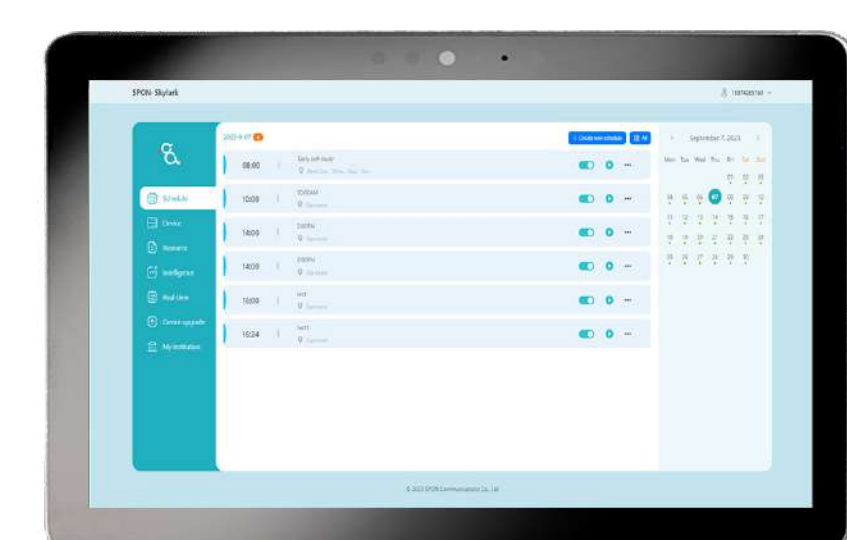
ENRICHED LEARNING PARADIGMS

- – **Flexible Broadcasting Options:** Supports Broadcasts To All Areas, Specific Zones, Or Individual Terminals.
- – **Multiple Broadcast Formats:** Including Audio Files, Pre-Recorded Messages, And TTS Options.
- – **Emergency Broadcast System:** One-Touch PA Across All Terminals.
- – **Customizable Ring Tones:** Personalize Ringtones For Calls And Broadcasts.

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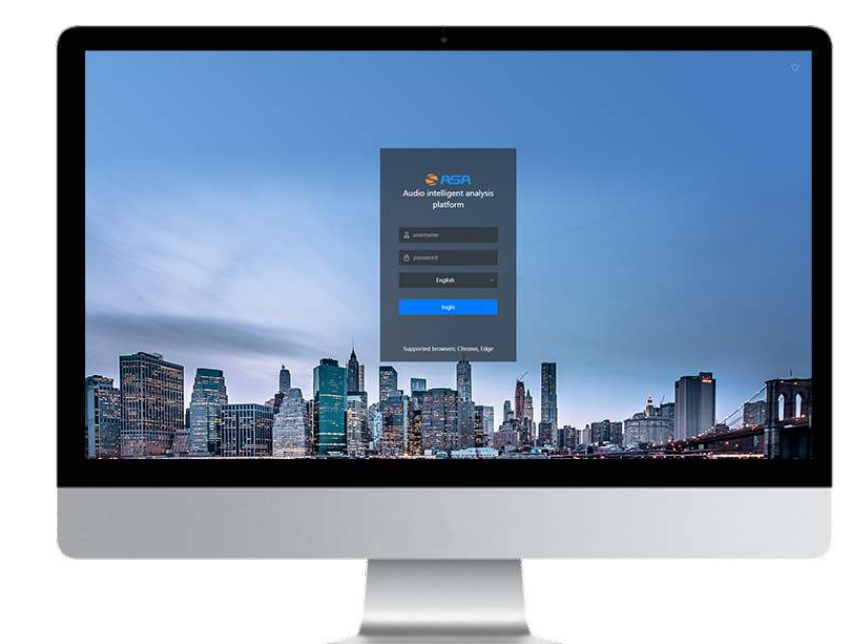
SYSTEM DEPLOYMENT OVERVIEW

Management Platforms



XC-9000

Audio Management
Software



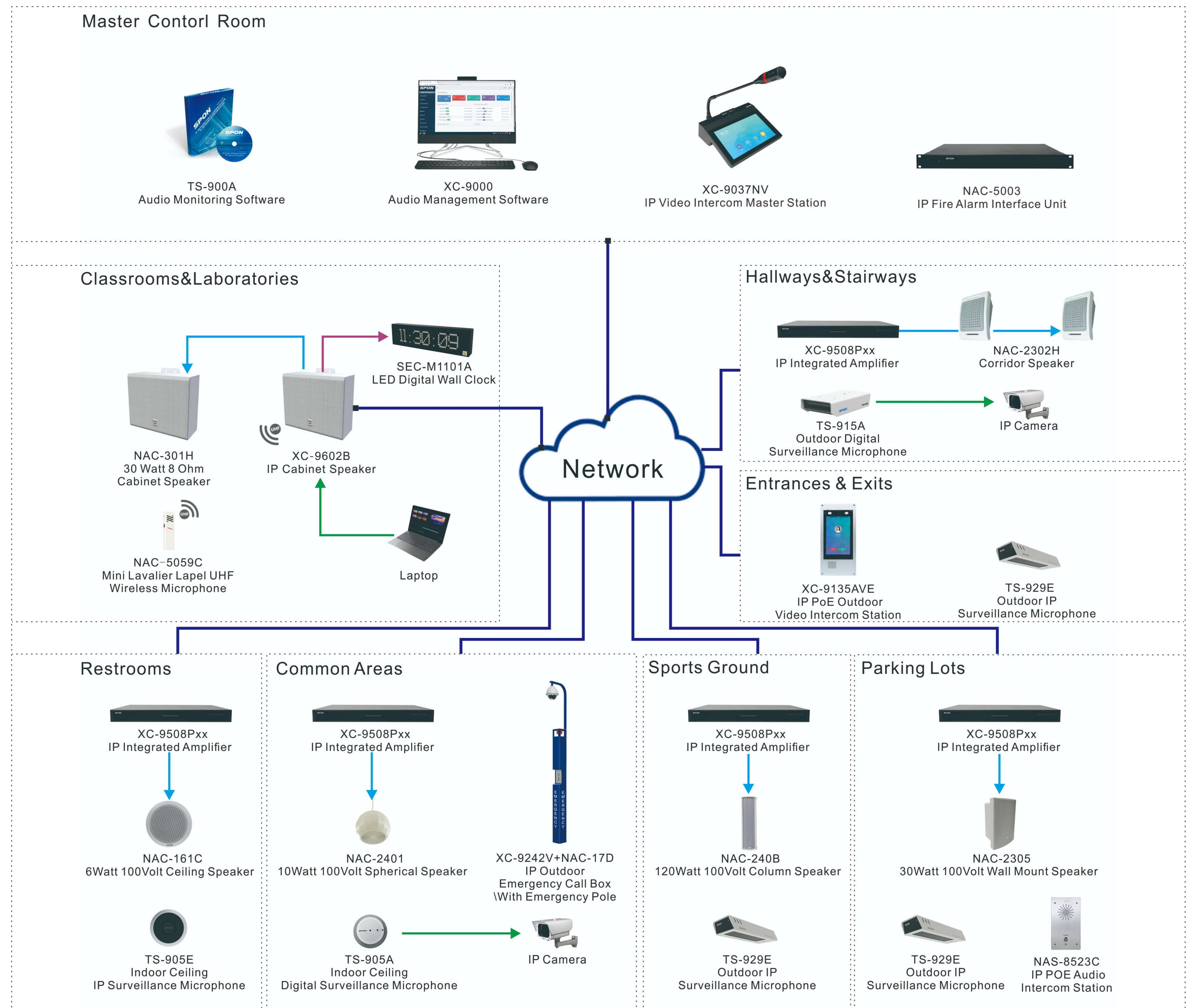
TS-900A

SPON Audio Monitoring
Software



NXT-2000

Cloud PA Platform



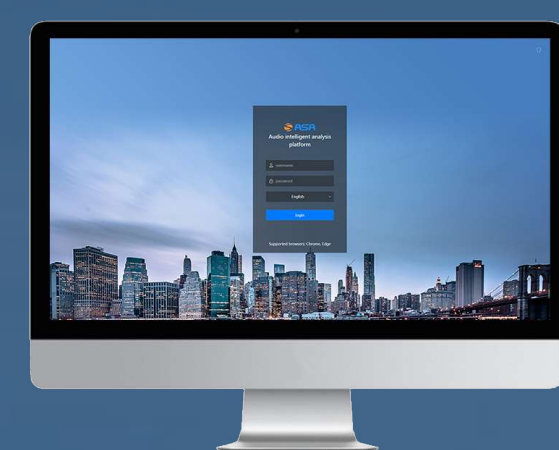
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CRITICAL AREAS DEMONSTRATION ENTRANCES & EXITS

Audio Surveillance Using Detection Analytic Alerts For Aggression, Gunshots, Or Glass Breaking At School Entrances/Exits. The IP-Based Public Address System Ensures Timely And Targeted Safety Announcements In These Vital Areas.

RELATED PRODUCTS



TS-900A

Audio Monitoring Software.



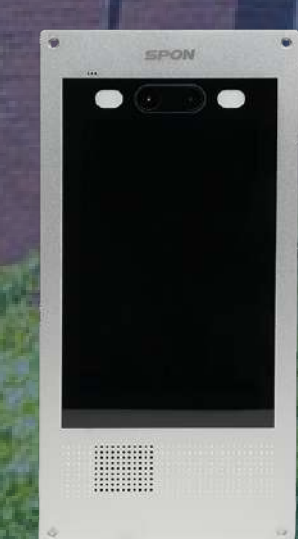
XC-9000

Audio Management Software



XC-9615

IP PoE Horn Speaker



XC-9135AVE

IP PoE Outdoor Video Intercom Station



TS-929E

Outdoor IP Surveillance Microphone.



XC-9038N

IP Paging Console



XC-9037NV

IP Video Intercom Master Station.

CRITICAL AREAS DEMONSTRATION ENTRANCES & EXITS

▲ Detection of Intrusion

Utilize SPON® IP Surveillance Microphones, equipped with intelligent sound analytic, at entrances and exits to:

1. Detect Abnormal Noises:

Such as screams, gunshots, or glass breakage.

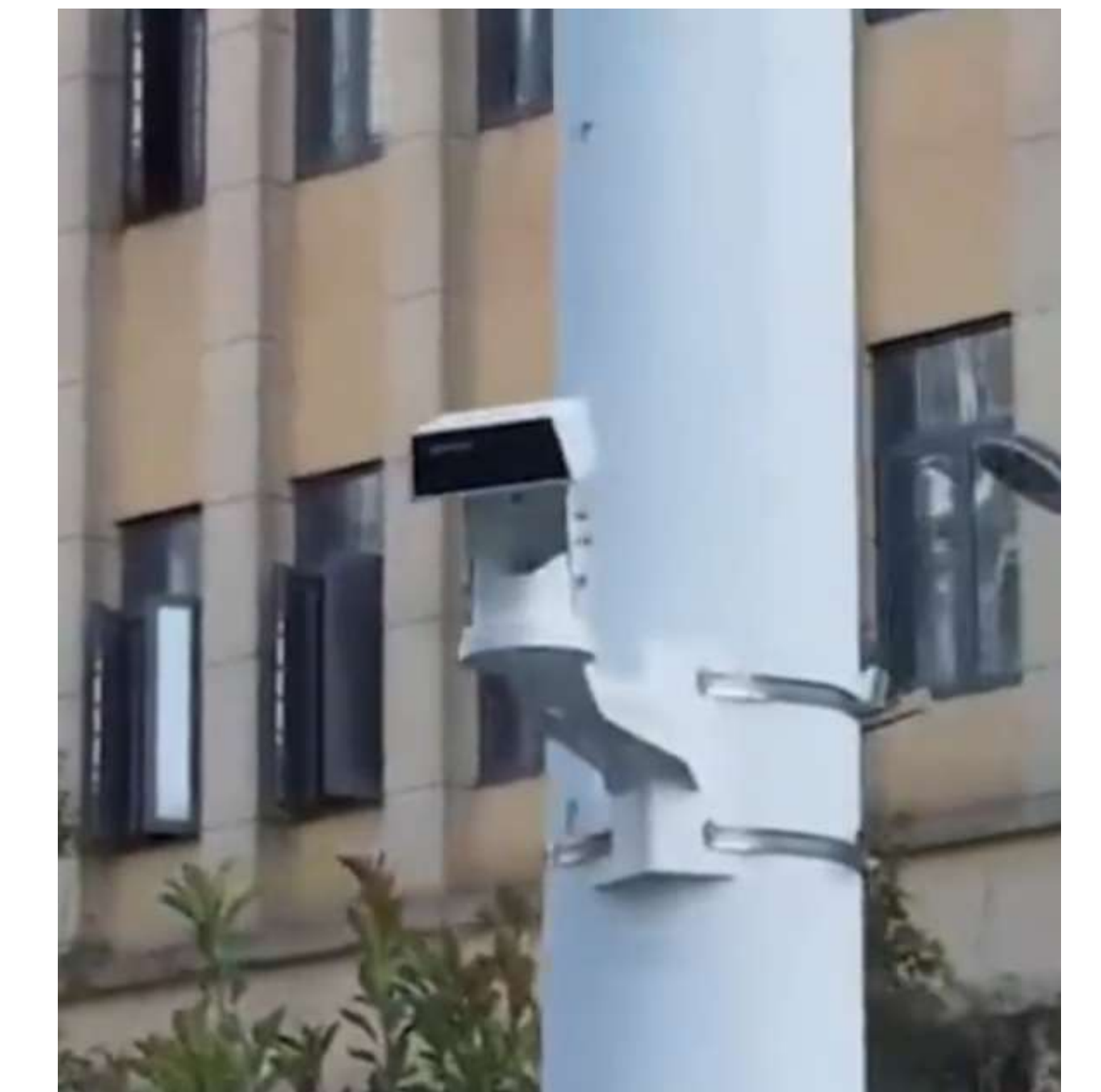
2. Prompt Alerts:

Immediate notifications to the control room and security or law enforcement on potential intrusions.

- RELATED PRODUCTS

▲ TS-900A: Audio Monitoring Software.

▲ TS-929E: Outdoor IP Surveillance Microphone.



▲ Rapid Response with IP Audio Solutions

Enhance video surveillance effectiveness with our IP audio solution:

1. Versatile Messaging:

Utilize live or pre-recorded voice messages to deter potential threats, inform staff and students of emergencies, or guide evacuations.

2. Targeted Alerts:

With audio zoning, send voice alerts to specific areas, ensuring the right people get informed without causing undue disturbances.

- RELATED PRODUCTS

▲ XC-9000: Audio Management Software.

▲ XC-9038N: IP Paging Console.

▲ XC-9615: IP PoE Horn Speaker.

▲ Enhanced Security with Remote Visitor Verification

With our IP network video intercom, staff can visually verify and converse with visitors before permitting entry

1. Safety & Efficiency:

Two-way audio ensures secure and efficient visitor management.

2. Video Integration:

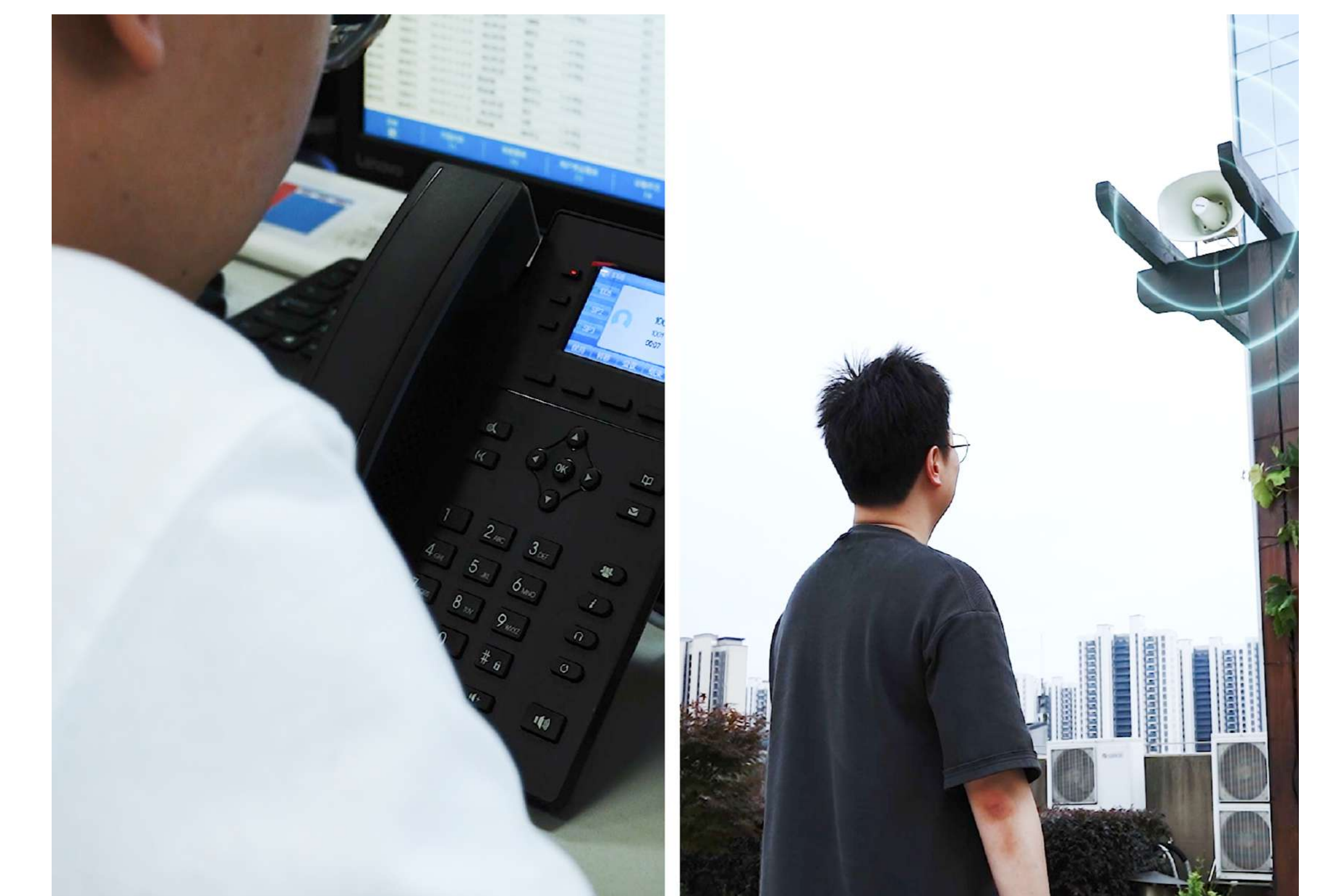
The video feed can be integrated with your VMS, allowing for retrospective reviews if necessary.

- RELATED PRODUCTS

▲ XC-9000: Audio Management Software.

▲ XC-9037NV: IP Video Intercom Master Station.

▲ XC-9135AVE: IP PoE Outdoor Video Intercom Station.



CRITICAL AREAS DEMONSTRATION MASTER CONTROL ROOM

As The Center Of School Operations, The Master Control Room Requires Special Considerations. Here, Network Audio Solutions Can Improve The Flow Of Information And Support Safer Interactions Between Staff And Students Or Parents.

RELATED PRODUCTS



TS-900A

Audio Monitoring Software.



TS-929E

Outdoor IP Surveillance Microphone.



XC-9000

Audio Management Software



XC-9038N

IP Paging Console



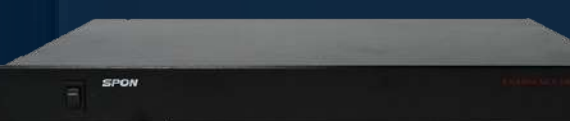
XC-9615

IP PoE Horn Speaker



XC-9037NV

IP Video Intercom Master Station.



NAC-5003

IP Fire Alarm Interface Unit.



XC-9607

Wall-Mounted IP PoE Speaker



XC-9610

Ceiling IP PoE Speaker



XC-9135AVE

IP PoE Outdoor Video Intercom Station

CRITICAL AREAS DEMONSTRATION MASTER CONTROL ROOM

▲ Fortify School Security with IP Video Intercom

Leverage our advanced IP video intercom for enhanced school safety. With two-way audio capabilities, security personnel can:

1. Verify & Approve:

Identify and grant access to specific visitors, whether they're technicians or parents arriving for early pickups, all from the master control room.

- RELATED PRODUCTS

▲ XC-9000: Audio Management Software.

▲ XC-9037NV: IP Video Intercom

Master Station.

▲ XC-9135AVE: IP PoE Outdoor Video Intercom Station.



▲ Streamlined Communication with Network Audio

The master control room stands central to your public address system, facilitating:

1. Diverse Messaging Modes:

Make voice announcements via paging microphones, SIP telephones, smartphones, or handheld radios through a ROIP gateway addition.

2. Precise Targeting:

Reconfigurable audio zones empower staff to direct messages universally, to specific sections, or even to a single speaker.

- RELATED PRODUCTS

▲ XC-9000: Audio Management Software

▲ XC-9607: Wall-mounted IP PoE

Speaker

▲ XC-9038N: IP Paging Console

▲ XC-9610: Ceiling IP PoE Speaker

▲ XC-9615: IP PoE Horn Speaker

▲ Proactive Monitoring for Enhanced Safety

Our state-of-the-art audio surveillance system harnesses sound detection analytic to:

1. Immediate Alerts:

Recognize signs of aggression or the shattering of glass, instantly alerting security staff or law enforcement to possible threats.

2. After-Hours Monitoring:

Security cameras with object recognition can notify you of unauthorized presence.

3. Integrated Response:

Configure alerts to trigger connected systems for immediate action, like broadcasting warning messages through network speakers upon detecting potential intruders.

- RELATED PRODUCTS

▲ TS-900A: Audio Monitoring Software.

▲ TS-929E: Outdoor IP Surveillance Microphone.

▲ NAC-5003: IP Fire Alarm Interface Unit.

▲ XC-9607: Wall-mounted IP PoE Speaker.



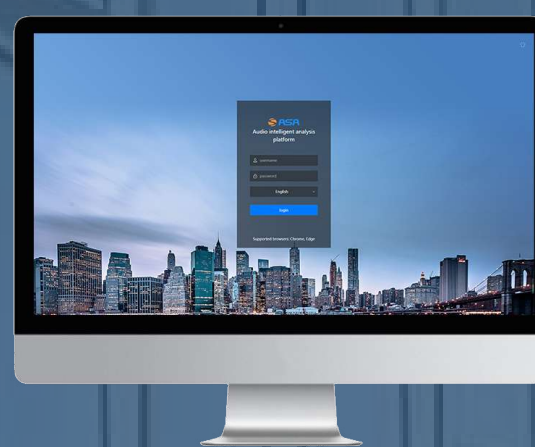
CRITICAL AREAS DEMONSTRATION HALLWAYS & STAIRWAYS

Always Crowded And Often Chaotic, The Daily Management And Monitoring Of The Hallways & Stairways In The School Can Be A Big Challenge For The Administrative Staffs.

RELATED PRODUCTS



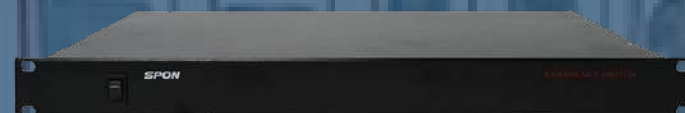
TS-929E
Outdoor IP Surveillance Microphone.



TS-900A
Audio Monitoring Software.



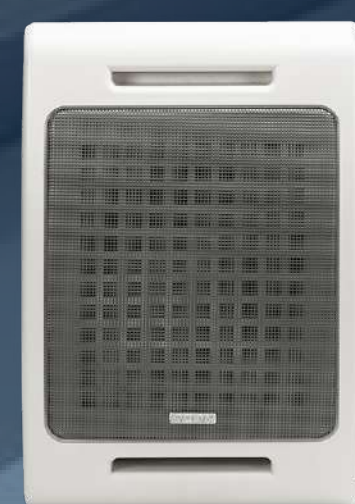
TS-915E
Outdoor Directional Surveillance Microphone



NAC-5003
IP Fire Alarm Interface Unit.



XC-9508
100 Volt IP Amplifier



NAC-2302H
6 Watt 100 Volt Corridor Speakers Designed For Clarity.



NAC-2304
6 Watt 100 Volt Corridor Speakers Designed For Clarity.

CRITICAL AREAS DEMONSTRATION HALLWAYS & STAIRWAYS

▲ 24/7 Constant Audio Monitoring

1.Enhanced Security: SPON® IP surveillance mic system provides round-the-clock audio surveillance, complementing your existing video security cameras.

2.Synchronized Data: Audio and video data from hallways and stairways are synchronized and stored, useful for identifying issues, monitoring evacuations, investigating incidents, or tracking movements.

3.Versatile Use: This integrated system is essential for comprehensive monitoring, offering valuable insights for safety, analysis, and improvement of school security measures.

- RELATED PRODUCTS

▲ TS-915E: Outdoor Directional surveillance microphone



▲ Detection of Suspicious Behaviors

1. Intelligent Sound Detection: SPON® surveillance mics in hallways and stairways distinguish abnormal noises such as yelling, gunshots, or breaking glass, quickly alerting the control room.

2. Prompt Alert System: These alerts inform security or law enforcement of potential issues like fights, bullying, or more severe threats, enabling a faster response.

3. Security and Communication: The system also broadcasts crucial safety messages through speakers, aiding in preventing injuries and protecting school property.

- RELATED PRODUCTS

▲ TS-900A: Audio Monitoring Software ▲ TS-929E: Outdoor IP Surveillance Microphone

▲ Emergency Alert System for Swift Evacuations

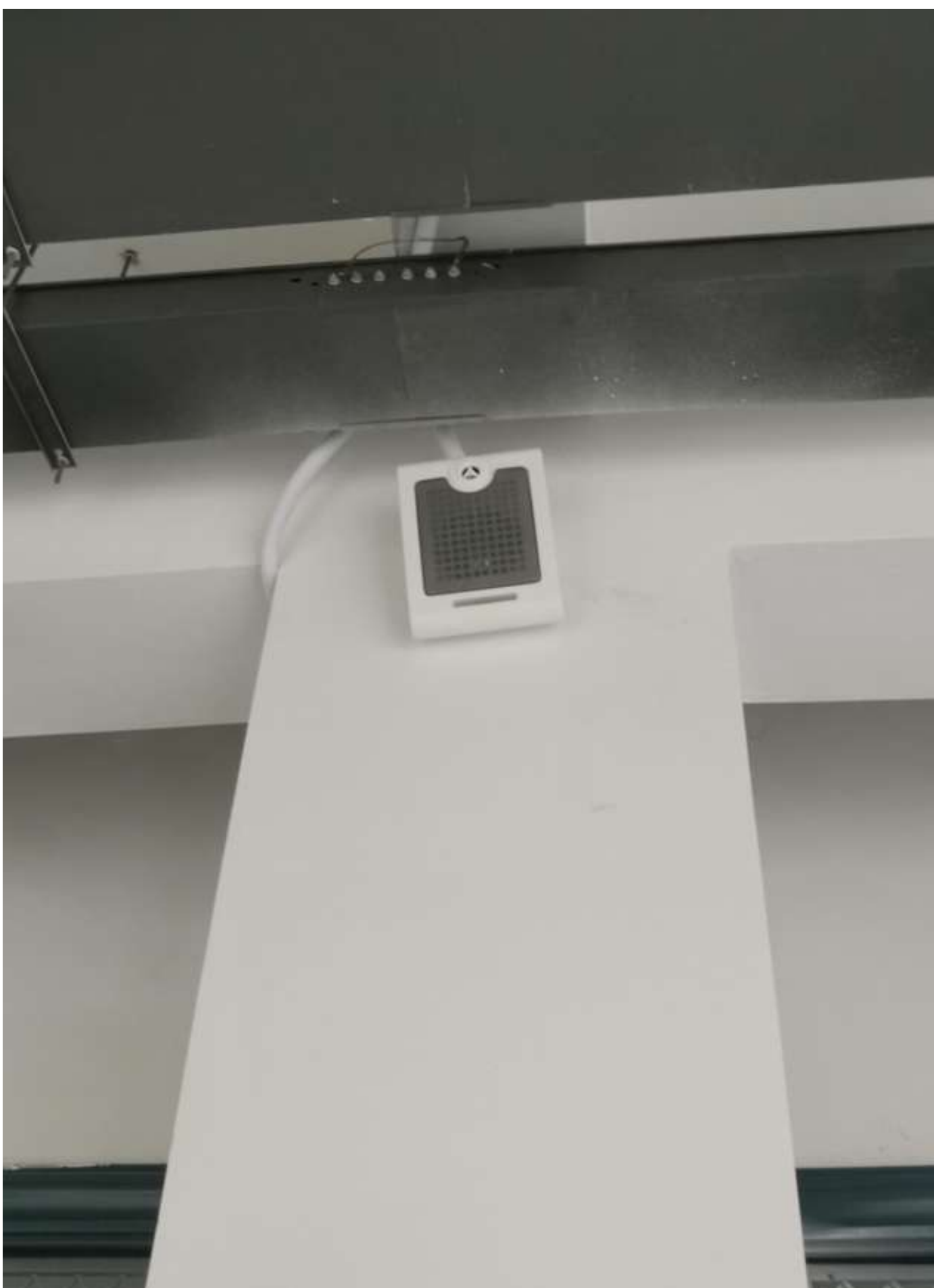
During emergencies, hallways and stairways often serve as primary evacuation routes. Clear guidance is essential for the safe evacuation of students and staff in schools.

1.Prompt Alerts: Upon detecting emergencies, the system instantly relays either pre-recorded evacuation messages or live announcements.

2.Crystal Clear Audio: With SPON® corridor speakers, clarity is paramount. Their impeccable voice intelligibility ensures every evacuation instruction is heard and understood, making them vital for life-saving scenarios.

- RELATED PRODUCTS

▲ TS-900A: Audio Monitoring Software. ▲ XC-9508: 100 Volt IP Amplifier
▲ NAC-5003: IP Fire Alarm Interface Unit.
▲ NAC-2302H & NAC-2304: 6 Watt 100 Volt Corridor Speakers designed for clarity.



CRITICAL AREAS DEMONSTRATION CLASSROOMS & LABORATORIES

Where Permitted By Law, Network Audio Devices Installed Inside Of The Classrooms & Laboratories Could Give Both Students And Teachers Maximum Security Protection, And In The Meantime, They Could Also Offer Many Operational And Educational Benefits.

RELATED PRODUCTS



XC-9000
Audio Management
Software



XC-9602A
IP Cabinet Speaker



XC-9038N
IP Paging Console



XC-9602B
IP Cabinet Speaker



NAC-301H
30 Watt 8 Ohm Cabinet
Speaker



NAC-301X
30 Watt 8 Ohm Cabinet
Speaker

CRITICAL AREAS DEMONSTRATION CLASSROOMS & LABORATORIES

▲ Efficient Information Dissemination

Effective communication is vital in a school setting. SPON® solutions ensure swift and accurate dissemination of information, be it administrative updates, exam notices, or special announcements.

1. Customizable Broadcasting:

Reach everyone in the school, a specific class, or an individual teacher with precision.

2. High Coverage:

SPON® IP cabinet speakers in classrooms and labs guarantee broad and effective coverage.

3. User-friendly Interface:

The SPON® IP paging console in the administrative office facilitates live announcements, targeting all zones or specific ones. Integrated chimes make certain that essential announcements stand out.



- RELATED PRODUCTS

▲ XC-9000: Audio Management Software. ▲ XC-9038N: IP Paging Console.
▲ XC-9602A: IP Cabinet Speaker ▲ NAC-301X: 30 Watt 8 Ohm Cabinet Speaker

▲ Smart Bell Scheduling with SPON®

Modern schools need an efficient and versatile bell system. SPON®'s audio management software streamlines bell scheduling, ensuring:

1. Easy Setup:

Intuitive interface for seamless scheduling.

2. Tailored Bells:

Set bells for specific areas or times.

3. Accuracy:

Precise timing keeps activities on track.

4. Clear Sound:

High-quality bell rings via SPON® IP speakers in classrooms.

- RELATED PRODUCTS

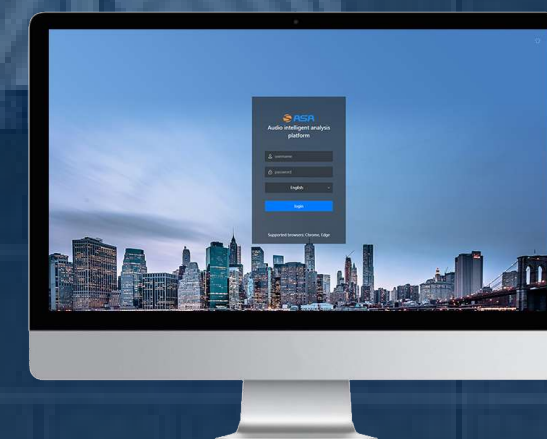
▲ XC-9000: Audio Management Software. ▲ XC-9038N: IP Paging Console.
▲ XC-9602B: IP Cabinet Speaker ▲ NAC-301H: 30 Watt 8 Ohm Cabinet Speaker



CRITICAL AREAS DEMONSTRATION RESTROOMS

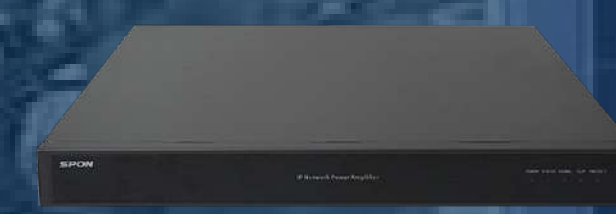
Restrooms Must Always Be Camera-Free Spaces, But Audio Security Technology Near The Entrances Of The Restrooms Can Alert School Officials To Potential Risks And Unwanted Behaviors Without Compromising Personal Privacy. Besides, Speakers Installed In The Restrooms Help Ensure That Important Emergency Notification, Public Announcement And Bell Ringing Will Always Be Heard By The Students In The Restrooms.

RELATED PRODUCTS



TS-900A

Audio Monitoring Software.



XC-9508

100 Volt IP Amplifier



TS-905E

Precise Indoor Omnidirectional Ceiling IP Surveillance Microphone.



NAC-161C

6 Watt 100 Volt Ceiling Speaker

CRITICAL AREAS DEMONSTRATION RESTROOMS

▲ Restroom Safety with SPON® Surveillance

In schools, restrooms can sometimes become hotspots for illicit activities, such as bullying, discrimination, and drug dealings. SPON® Solutions for Comprehensive Monitoring:

1. Advanced Sound Detection:

SPON® IP Surveillance Microphones equipped with intelligent analytics are installed near restroom entrances. They identify and alert security personnel to disruptive or aggressive noises, even when these events occur beyond the camera's sight.

2. Immediate Response:

SPON®'s IP PA system allows for pre-set alert voice messages to be activated during such events, ensuring immediate communication with the relevant personnel for swift action.

- RELATED PRODUCTS

▲ TS-900A: Optimal Audio Monitoring Software. ▲ TS-905E: Precise Indoor Omnidirectional Ceiling IP Surveillance Microphone.

▲ XC-9508: 130/260/360/500 Watt 100 Volt IP Paging Amplifier

▲ NAC-161C: 6 Watt 100 Volt Ceiling Speaker



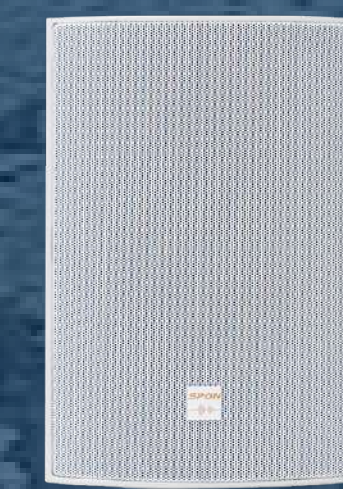
CRITICAL AREAS DEMONSTRATION DORMITORY

Dormitories Are More Than Sleeping Quarters; They Are Hubs Of Friendship And Learning. However, These Micro-Communities Also Present Potential Hazards, From Large-Scale Emergencies To Personal Conflicts.

RELATED PRODUCTS



XC-9610
Ceiling IP PoE Speaker



XC-9607
Wall-Mounted IP PoE Speaker



TS-906A
IP Omnidirectional Surveillance Microphone



XC-9242V
IP Emergency Call Box

CRITICAL AREAS DEMONSTRATION DORMITORY

▲ Preparedness for Major Emergencies

How SPON's PA system aids in quick evacuation during large-scale crises.

1. Prompt Evacuations:

In the face of fires or earthquakes, the SPON PA system delivers pre-set evacuation instructions, ensuring cyclic playback for guiding students safely out.

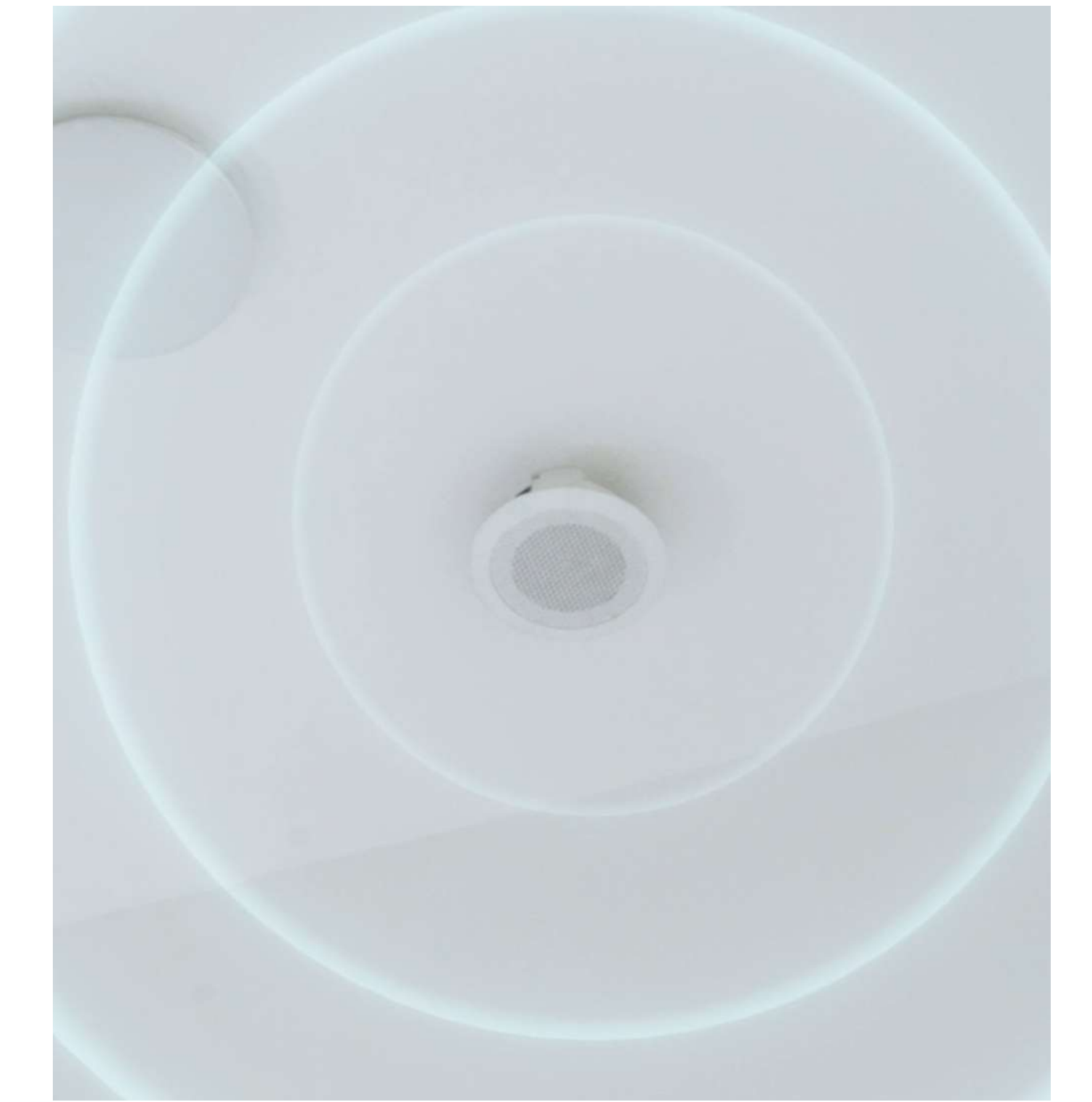
2. Ensuring Safety:

Dense populations in dorms necessitate an efficient emergency response to prevent serious harm.

- RELATED PRODUCTS

▲ XC-9610: IP Ceiling Speaker.

▲ XC-9607: IP wall-mounted Speaker.



▲ Addressing Personal Conflicts and Privacy Concerns

Utilizing selective audio detection for personal conflicts and ensuring student privacy.

1. Monitoring for Bullying:

The SPON surveillance microphone offers selective audio recording, activated upon detecting unusual sounds or certain keywords.

2. Rapid Intervention:

If a potential threat is identified, the system not only records but also alerts the security room. Security can then use the SPON paging microphone for immediate communication or announcements.

- RELATED PRODUCTS

▲ TS-906A: IP Omnidirectional Surveillance Microphone

▲ Immediate Assistance for Students

Highlighting SPON's emergency call box and its role in strengthening dorm security.

1. Emergency Call Box:

Positioned on each dorm floor, SPON's system features a one-touch emergency button and a 13MP camera.

2. Reinforced Security:

Its video intercom capabilities allow security to instantly assess situations, ensuring students always feel safeguarded.

- RELATED PRODUCTS

▲ XC-9242V: IP Emergency Call Box



CRITICAL AREAS DEMONSTRATION COMMON AREAS

Cafeterias, Libraries, Media Centers And Other Common Spaces Accommodate High Volumes Of Students And Staffs During And After School Hours. Here, Integrated Network Audio Technology Has Multiple Benefits.

RELATED PRODUCTS



TS-900A
Audio Monitoring Software.



TS-905E
Precise Indoor Omnidirectional Ceiling IP Surveillance Microphone.



XC-9000
Audio Management Software



XC-9037NV
IP Video Intercom Master Station.



XC-9242V
IP Emergency Call Box

CRITICAL AREAS DEMONSTRATION COMMON AREAS



▲ Immediate Assistance
SPON's Emergency Help Points aren't just communication tools but vital beacons for public safety. Features include:

- 1. Emergency Call Box:** For direct, reliable communication.
- 2. Notification Speakers:** Ensuring broad alerts when necessary.
- 3. Strobe Light:** Ensuring visibility during emergencies.

- RELATED PRODUCTS
▲ XC-9000: Audio Management Software ▲ XC-9242V: IP Outdoor Emergency Call Box
▲ NAC-17D: Emergency Help Point ▲ XC-9037NV: IP Video Intercom Master Station

▲ 24/7 Monitoring with SPON®
Utilizing selective audio detection for personal conflicts and ensuring student privacy.

- 1. Audio Surveillance:**
SPON® IP provides continuous audio monitoring, seamlessly synchronized with existing video systems.
- 2. Data Storage:**
Audio-video data is securely stored on the server, ready for retrieval.
- 3. Versatile Utility**
This combined data can be used for identifying intervention areas, monitoring evacuations, incident investigations, or tracking intruders, providing comprehensive security for the premises.

- RELATED PRODUCTS
▲ TS-905A: Indoor Ceiling Digital Surveillance Microphone

▲ Intelligent Audio Surveillance with SPON®
By integrating SPON® IP Surveillance Microphones into high-traffic zones like cafeterias and libraries, schools benefit from:

- 1. Advanced Sound Detection:**
These microphones can pinpoint aggressive behaviors, gunshots, or even the shattering of glass.
- 2. Complementary Surveillance:**
When paired with existing security cameras, they offer a comprehensive view of both visual and audio incidents.
- 3. Prompt Alert System:**
Any abnormal sounds trigger instant notifications, allowing security guards to respond quickly to potential threats.

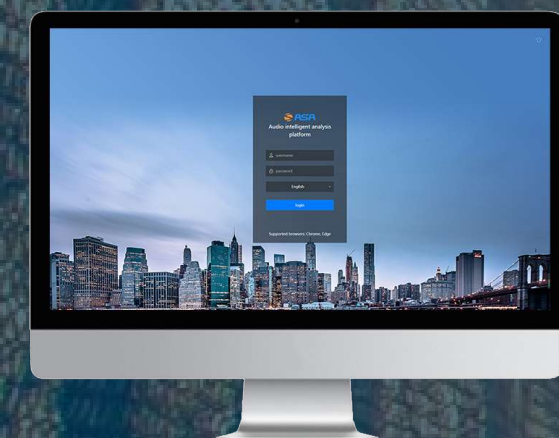
- RELATED PRODUCTS
▲ TS-900A: Audio Monitoring Software. ▲ TS-905E: Indoor Omnidirectional Ceiling IP Surveillance Microphone



CRITICAL AREAS DEMONSTRATION GYMNASIUMS & SPORTS GROUNDS

Integrated Network Audio Devices Can Make Events In Large, Active Spaces Like Gymnasiums And Sports Grounds Safer, More Secure And More Enjoyable For Students And Spectators.

RELATED PRODUCTS



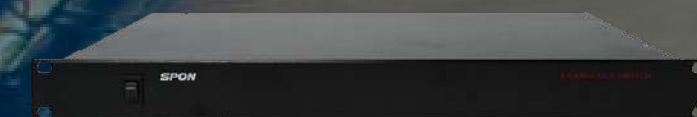
TS-900A

Audio Monitoring Software.



XC-9000

Audio Management Software



NAC-5003

IP Fire Alarm Interface Unit.



TS-929E

Outdoor IP Surveillance Microphone.



XC-9038N

IP Paging Console



XC-9508

100 Volt IP Amplifier

CRITICAL AREAS DEMONSTRATION GYMNASIUMS & SPORTS GROUNDS

▲ **Detection of Suspicious Behaviors**

By integrating SPON® IP Surveillance Microphones into high-traffic zones like cafeterias and libraries, schools benefit from:

1. Advanced Audio Detection:

Our audio surveillance system, with sound analytics, identifies and alerts security personnel to abnormal sounds or aggressive behaviors, such as yelling or gunshots.

2. Networked Communication:

Network speakers enable immediate communication to areas like gymnasiums or sports grounds.

3. Proactive Deterrence:

In synergy with intrusion protection, the audio system can broadcast event-triggered messages to deter unwanted actions or intruders.

- **RELATED PRODUCTS**

▲ TS-900A: Audio Monitoring Software

▲ XC-9038N: IP Paging Console

▲ TS-929E: Outdoor IP Surveillance Microphone

▲ XC-9000: Audio Management Software

▲ NAC-5003: IP Fire Alarm Interface Unit

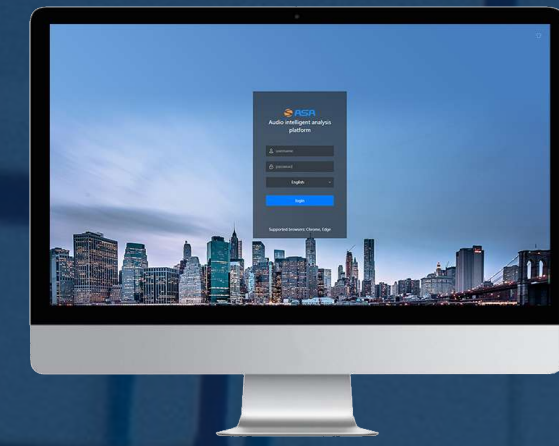
▲ XC-9508: 130/260/360/500 Watt 100 Volt IP Paging Amplifier.

▲ NAC-240B: 120 Watt 100 Volt Outdoor Column Loudspeaker.

CRITICAL AREAS DEMONSTRATION PARKING LOTS

Parking Lots, Typically Located On The Perimeter Or Underneath The Administrative Building Of The School, Are Often Significant And Vulnerable Investments.

RELATED PRODUCTS



TS-900A

Audio Monitoring Software.



TS-929E

Outdoor IP Surveillance Microphone.



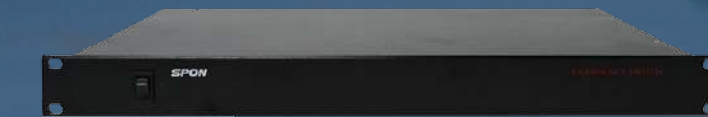
XC-9000

Audio Management Software



NAS-8523C

IP PoE Audio Intercom Station



NAC-5003

IP Fire Alarm Interface Unit.



XC-9508

100 Volt IP Amplifier



NAC-2305

30 Watt 100 Volt Wall Mount Speaker

CRITICAL AREAS DEMONSTRATION PARKING LOTS

▲ SPON® Outdoor Security Solutions.

For comprehensive school security, especially in expansive areas like parking lots, SPON® offers:

- 1. Weather-Resistant Surveillance Microphones:** Engineered for challenging conditions from dust storms to heavy rain.
- 2. Integrated Surveillance:** SPON® microphones and cameras work together, ensuring robust coverage.
- 3. Smart Detection:** In parking areas, microphones pinpoint threats like aggression, gunshots, or glass breaking, alerting security in real-time.
- 4. Proactive Alerts:** If a threat is detected, a relay signal from cameras to the SPON® IP fire alarm unit triggers warning messages, acting as a deterrent.



- RELATED PRODUCTS

- ▲ TS-900A: Audio Monitoring Software.
- ▲ TS-929E: Outdoor Directional Gun-Like IP Surveillance Microphone
- ▲ XC-9000: Audio Management Software
- ▲ NAC-5003: IP Fire Alarm Interface Unit
- ▲ XC-9508: 130/260/360/500 Watt 100 Volt IP Paging Amplifier

▲ Emergency Communication with SPON® Intercom

At parking lots, the potential for emergencies necessitates swift communication tools. SPON® has you covered:

- 1. Standardized Security:** Every parking lot's protection system includes our reliable security intercom.
- 2. Instant Reporting:** Spot a suspicious behavior? Simply press the call button on the wall-mounted SPON® IP intercom station.
- 3. Efficient Communication:** This initiates a real-time, two-way audio link with the master control room. Report incidents and coordinate actions immediately, ensuring rapid response to any threat.



- RELATED PRODUCTS

- ▲ XC-9000: Audio Management Software
- ▲ NAS-8523C: IP PoE Audio Intercom Station

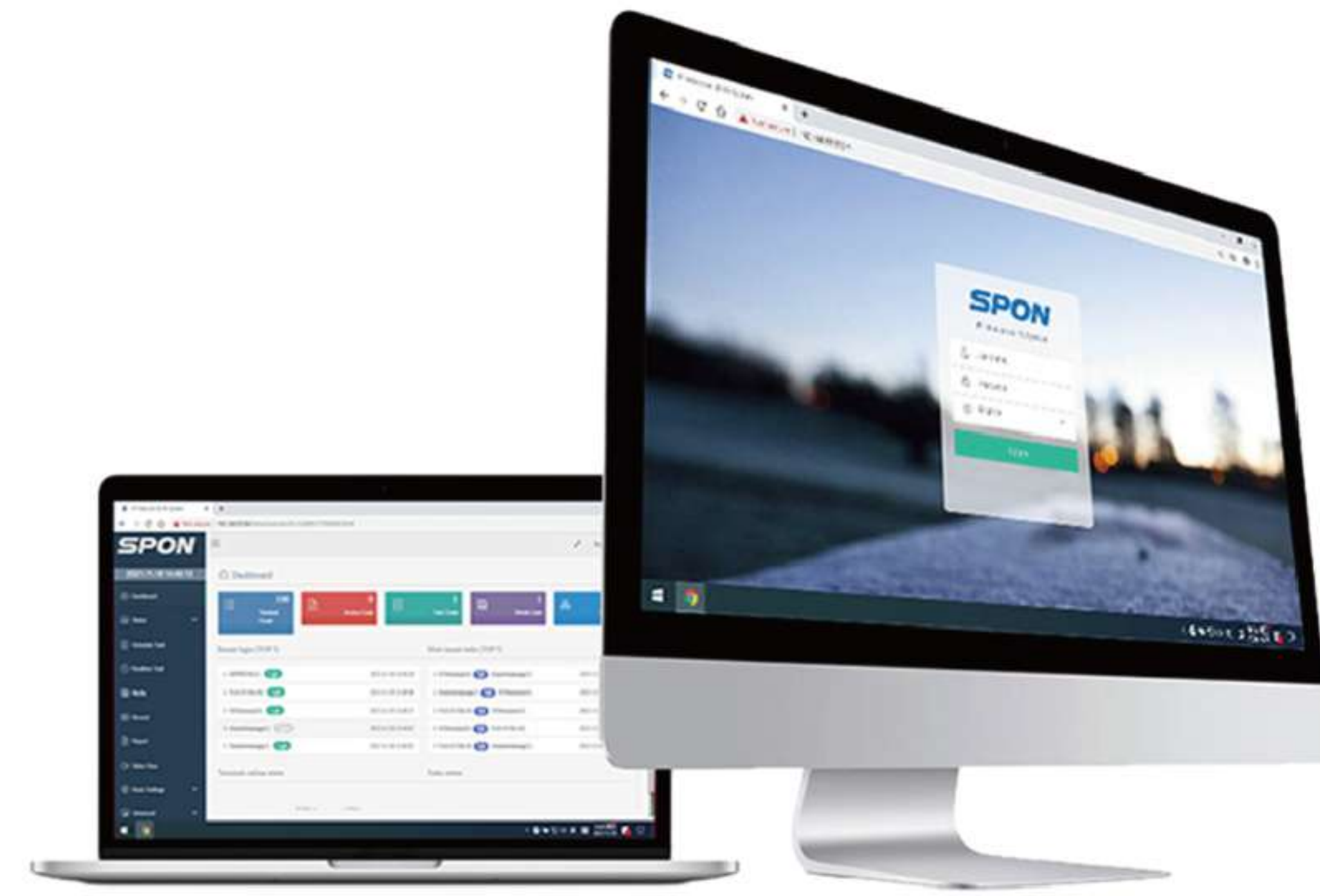
▲ Emergency Notification Alerting

- 1. Clear Evacuation Guidance:** During emergencies, it's vital to provide immediate and clear instructions to staff in parking areas.
- 2. Rapid Communication:** Upon detecting an emergency, SPON® wall mount speakers deliver either pre-recorded evacuation messages or live announcements, ensuring that guidance is heard without delay.
- 3. Importance of Voice Clarity:** The exceptional voice intelligibility of SPON® speakers is crucial in these scenarios, playing a key role in the safe and efficient evacuation of staff, thus aiding in life-saving efforts.

- RELATED PRODUCTS

- ▲ XC-9000: Audio Management Software
- ▲ NAC-5003: IP Fire Alarm Interface Unit
- ▲ NAC-2305: 30 Watt 100 Volt Wall Mount Speaker
- ▲ XC-9508: 130/260/360/500 Watt 100 Volt IP Paging Amplifier

AUDIO MANAGEMENT PLATFORM XC-9000



▲ KEY FEATURES

UNIFIED MANAGEMENT AND USER INTERFACE

- - **B/S software architecture:** centralized management of all IP intercom and PA devices.
- - **User-friendly web interface:** all critical system information displayed on the Dashboard.
- - **Versatile Events:** Creation and scheduling of timed events, alarm events, and customizable event combinations.
- - **Mobile app Management:** PA system management and user account management, including operation authority settings.

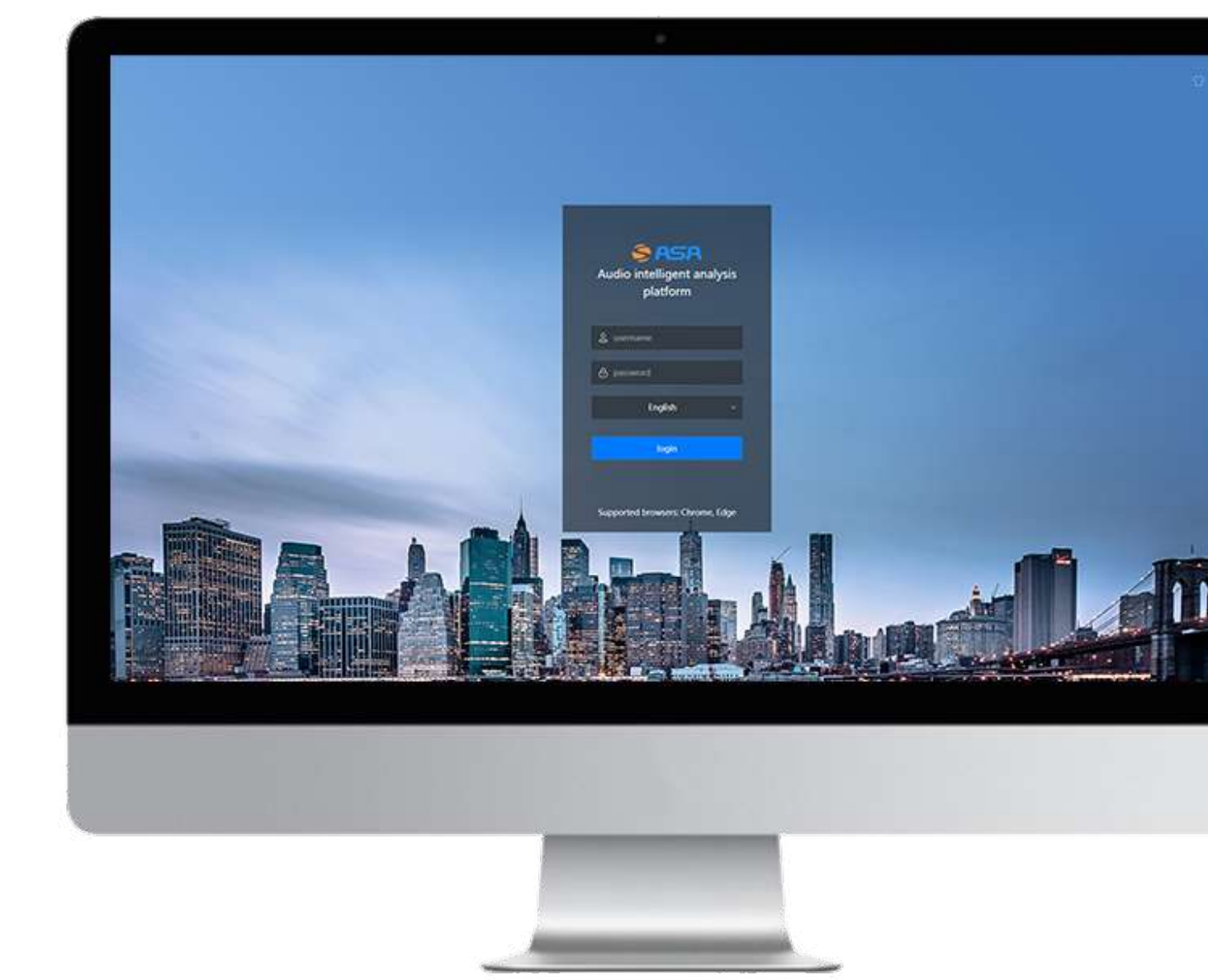
PA AND INTERCOM FLEXIBILITY

- - **Various Task Form:** Supports multiple real-time PA tasks using server sound card, files, terminals, and speech synthesis.
- - **Multiple Calling way:** User-defined call transfer, answer, and call priority settings.
- - **Online Database:** Upload functionality for audio files and pre-recorded messages to the media library.
- - **Seamless Compatibility:** Integration with third-party VOIP phones using SIP trunk for seamless VOIP system connection.

SYSTEM MONITORING AND INTEGRATION

- - **Operation Log:** Call-log and event-log recording and inquiry features for efficient monitoring.
- - **API Flexibility:** Standard HTTP API documentation to facilitate integration with other systems and third-party development.

SURVEILLANCE MIC PLATFORM TS-900A



▲ KEY FEATURES

DEVICE AND AUDIO MANAGEMENT

- - **Centralized Device Management:** Facilitates Adding, Modifying, And Organizing Microphones And Gateways.
- - **Live Audio Monitoring:** Real-Time Listening To Any Microphone Via An Intuitive Interface.
- - **Audio Playback:** Easy Access To Stored Audio From NVR With Time-Specific Playback Features.

VIDEO MONITORING AND PLAYBACK

- - **Real-Time Video Preview:** Live Streaming Of Audio And Video From Microphones.
- - **Video Playback:** Conveniently Replay Video And Audio Files Stored In The NVR, Using Timeline Navigation.

ALARM AND NOTIFICATION SYSTEM

- - **Comprehensive Smart Alarm Management:** In-Depth Analysis And Handling Of All Alarm Information, Supported By Data Charts And Filtering Options.

NETWORK VIDEO INTERCOM MASTER STATION XC-9037NV

▲ TECHNICAL PARAMETERS

Power Supply:	DC 12V/1.5A
Camera:	2MP
Video Codec:	VGA/720/1080
S/N (Signal-to-Noise) Ratio:	≥82dB
Audio Sampling & Bit Rate:	8kHz-44.1kHz, 16bit, 8kbps-320kbps
Frequency Response:	40Hz-18kHz
Network Protocol:	SIP (RFC 3261), HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Configuration Method:	Local Settings/Web Page
Mounting Method:	Desktop
Interface:	1×RJ45 Ethernet Port, 1×USB 2.0, 1×Line Input, 1×Line Output, 1×Relay Input, 1×Relay Output



▲ KEY FEATURES

INTERACTIVE DISPLAY AND CAMERA FEATURES

- - **7-Inch Touchscreen:** User-Friendly Interface For Easy Interaction.
- - **200W HD Camera:** Equipped With Physical Privacy Protection.

COMMUNICATION TECHNOLOGIES

- - **Full-Duplex Visual Intercom:** Enables Effective Two-Way Visual Communication.
- - **Noise Reduction Algorithm:** Enhances Audio Quality For Clearer Communication.
- - **Remote Monitoring Capabilities:** Ability To Check The Status Of The Terminals, Including Login And Intercom Status.

BROADCASTING AND CUSTOMIZATION

- - **Flexible Broadcasting Options:** Supports Broadcasts To All Areas, Specific Zones, Or Individual Terminals.
- - **Multiple Broadcast Formats:** Including Audio Files, Pre-Recorded Messages, And TTS Options.
- - **Emergency Broadcast System:** One-Touch PA Across All Terminals.
- - **Customizable Ring Tones:** Personalize Ringtones For Calls And Broadcasts.

NETWORK PAGING CONSOLE XC-9038N

▲ TECHNICAL PARAMETERS

Power Supply:	DC 12V/1.5A
S/N (Signal-to-Noise) Ratio:	≥80dB
Audio Sampling & Bit Rate:	8kHz-44.1kHz, 16bit, 8kbps-320kbps
Frequency Response	100Hz~16kHz
Network Protocol:	SIP (RFC 3261), HTTP, TCP/IP, UDP, ARP, ICMP, IGMP, FTP
Configuration Method:	Local Settings/Web Page
Mounting Method:	Desktop
Interface:	1×RJ45 Ethernet Port, 1×USB 2.0, 2×Line Input, 1×Line Output, 1×Relay Input, 1× Mic input, 1×Power supply port



▲ KEY FEATURES

DESIGN AND DISPLAY

- - **High-Quality Build:** Crafted From High-Grade Aluminum Alloy For Durability.
- - **HD Touch Screen:** 4-Inch Digital True Color Capacitive Screen With 480×480 Resolution.

PAGING AND COMMUNICATION CAPABILITIES

- - **Versatile Paging:** Supports Live Announcements To All Zones, Specific Zones, Or Designated IP Endpoints.
- - **Effective Audio Hardware:** Features A 3W Loudspeaker And Unidirectional Condenser Microphone For Announcements And Two-Way Intercom.
- - **Advanced Audio Processing:** Built-In Digital Processor For Enhanced Noise Reduction And Audio Clarity.

MIXING AND WEB MANAGEMENT

- - **Integrated Mixing Console:** Manages 5 Audio Channels, Including MIC, AUX1, AUX2, Bluetooth, And USB.
- - **Web Server Functionality:** Manages Up To 30 IP Endpoint Devices.

APP CONTROL AND FIRMWARE UPGRADES

- - **Mobile App Configuration And Update:** “Easy Mic” App For Setting Paging Zones And Scheduling Tasks And Firmware Upgrade Capabilities .
- - **Web-Based Setup:** User-Friendly Interface For Easy Configuration And Online Firmware Updates.

COMPATIBILITY AND CONNECTIVITY

- - **SIP Support:** Compatible With Mainstream VoIP Phone Systems Like Cisco, Asterisk, And Yealink.
- - **Emergency Input Connectivity:** Relay Input For Linking To External Detection Devices, Triggering Event-Based Notifications.
- - **RJ45 Ethernet Port:** Ensures System Accessibility Across Network Segments And Routers.

IP POE VIDEO INTERCOM STATION

XC-9133AV



▲ TECHNICAL PARAMETERS

Power Supply	DC24V/1A or PoE (IEEE802.3af)
Network Protocol	SIP 2.0 (RFC 3261), HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Audio Sampling Rate	8kHz-44.1kHz, 16bit
Signal-to-Noise (S/N) Ratio	≥84dB
Total Harmonic Distortion	<1%
Interface	1×RJ45 Ethernet Port, 2×Relay Input, 2×Relay Output, 1×Power Input

▲ KEY FEATURES

HIGH-QUALITY DISPLAY AND CAMERA

- - **High-Resolution Touchscreen:** 7-inch high-definition capacitive touch-screen with 800×1280 resolution.
- - **Advanced Camera Technology:** Built-in 2 MP low illuminance, wide dynamic dual camera.

ADVANCED COMMUNICATION AND CONNECTIVITY

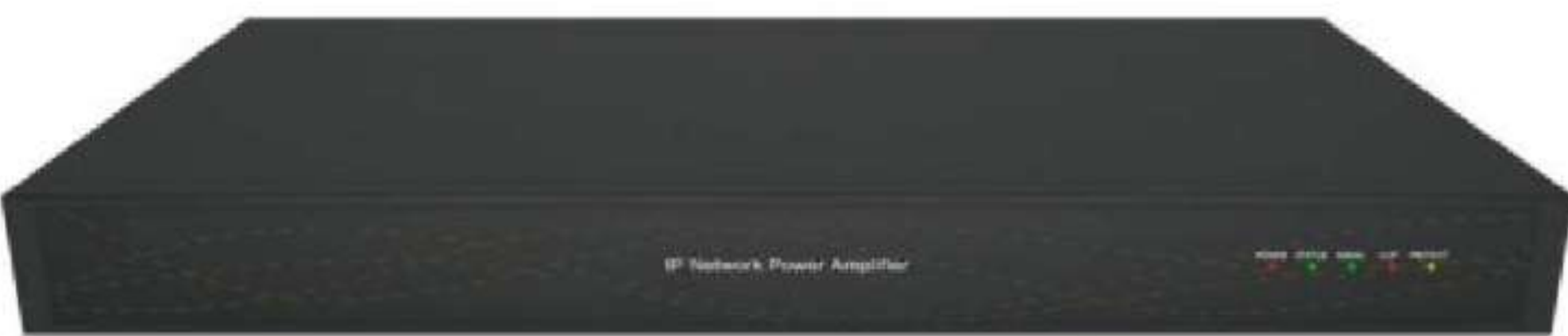
- - **Full Duplex Audio Processing:** Digital audio processor for full duplex communication with echo cancellation.
- - **Versatile Calling Options:** Multiple call modes including double virtual buttons, virtual numerical dialpad, and call list.
- - **Independent Operation:** Offline calling capabilities without server dependency.
- - **SIP Protocol Integration:** Standard SIP protocol support for easy integration with mainstream SIP PBX systems (Yeastar, Asterisk, Cisco, etc.).

SYSTEM INTEGRATION AND OUTDOOR SUITABILITY

- - **Flexible Connectivity:** Relay I/O port for connecting to third-party external equipment.
- - **Remote System Management:** Remote management and online upgrading features.
- - **Outdoor-Ready Design:** Designed for outdoor use with a protection level of IPX5.

NETWORK INTEGRATED AMPLIFIER

XC-9508



▲ TECHNICAL PARAMETERS

Power Supply	AC 100V-240V 50/60Hz
Network Protocol	SIP 2.0 (RFC 3261), FTP, HTTP, DHCP, TCP/IP, UDP, ARP, ICMP, IGMP
Audio Encoding	MP3/PCM/ADPCM/G711.a/G711.u/G729
Temperature & Humidity	-10℃ ~ +50℃, ≤90%RH (No Frost)
Frequency Response	60Hz ~ 18KHz
THD (Total Harmonic Distortion)	≤0.5% at 1kHz, 1/2 rated output
Speaker Output	70V/100V (Constant-Voltage)

▲ KEY FEATURES

DESIGN & AMPLIFICATION FEATURES

- - **Efficient 1U Rack Design:** Compact and robust, fitting seamlessly into various setups.
- - **Powerful Class-D Amplifier:** 130W digital amplifier, optimized for 100V loudspeakers.
- - **Maintenance Indicators:** Front panel equipped with multiple status lights for ease of maintenance.

SAFETY & STORAGE CAPABILITIES

- - **Advanced Protection Circuit:** Shields against overload, overheating, and lightning.
- - **Enhanced Storage:** Large capacity for storing and updating tasks and alarm files remotely.

CONNECTIVITY & SYSTEM INTEGRATION

- - **VoIP System Compatibility:** Supports SIP protocol for seamless integration with systems like Yeastar, Asterisk, and Cisco.
- - **Independent Offline Broadcasting:** Capable of functioning without a server.
- - **Voice Announcement Reception:** Compatible with live announcements from third-party VoIP and SPON management software.
- - **Fire Alarm System Connection:** Includes Relay I/O port for integration with external fire alarm systems.

NETWORK CEILING SPEAKER XC-9610



▲ TECHNICAL PARAMETERS

Power Supply	DC 24V/1A or PoE (IEEE802.3af)
Network Protocol	SIP 2.0 (RFC 3261), FTP, HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Audio Encoding	MP3/PCM/ADPCM/G711.a/G711.u/G729
Power Consumption	≤25W
Maximum SPL	97dB±3dB
Interface	1×RJ45 Ethernet Port, 1×Power Input

▲ KEY FEATURES

PERFORMANCE AND ENCODING

- **- High-Speed Processing:** Employs a high-speed, industrial-grade dual-core (ARM+DSP) chip for superior processing power.
- **- Clear Voice Encoding:** Features versatile voice encoding with both narrowband (G.711a/u) and broadband (G.722) options for crystal-clear voice paging.

CONNECTIVITY & SYSTEM INTEGRATION

- **- SIP Phone Paging Support:** Supports receiving paging from SIP phones through 10 dedicated multicast addresses.
- **- Efficient Multicast Scalability:** Incorporates a multicast scalable function, efficiently saving SIP account resources.
- **- SIP Protocol Integration:** Fully compatible with standard SIP protocols for seamless integration with leading SIP PBX systems like Yeastar, Asterisk, and Cisco.

AUDIO MANAGEMENT & NETWORK FUNCTIONALITY

- **- Versatile Audio Functions:** Facilitates background music, emergency paging, and alarm signals from the SPON management system.
- **- Adaptive Volume Control:** Features dynamic volume control that automatically adjusts based on ambient noise.
- **- Flexible Network Power Options:** Offers flexible deployment with PoE or PoE+ interface support.

NETWORK WALL-MOUNTED SPEAKER XC-9607



▲ TECHNICAL PARAMETERS

Power Supply	DC 24V/1A or PoE (IEEE802.3af)
Rated Power Output	20W (at DC 24V/1A powered) 15W (at PoE powered)
Network Protocol	TCP/IP, UDP, ARP, ICMP, IGMP
Maximum SPL	97dB±3dB
Frequency Response	100Hz-18kHz
Operating Temperature, Humidity	-20°C to 50°C, 10% to 90% RH (non-condensing)

▲ KEY FEATURES

PERFORMANCE AND ENCODING

- **- High-Speed Processing:** Employs a high-speed, industrial-grade dual-core (ARM+DSP) chip for superior processing power.
- **- Clear Voice Encoding:** Features versatile voice encoding with both narrowband (G.711a/u) and broadband (G.722) options for crystal-clear voice paging.

CONNECTIVITY & SYSTEM INTEGRATION

- **- SIP Phone Paging Support:** Supports receiving paging from SIP phones through 10 dedicated multicast addresses.
- **- Efficient Multicast Scalability:** Incorporates a multicast scalable function, efficiently saving SIP account resources.
- **- SIP Protocol Integration:** Fully compatible with standard SIP protocols for seamless integration with leading SIP PBX systems like Yeastar, Asterisk, and Cisco.

AUDIO MANAGEMENT & NETWORK FUNCTIONALITY

- **- Versatile Audio Functions:** Facilitates background music, emergency paging, and alarm signals from the SPON management system.
- **- Flexible Network Power Options:** Offers flexible deployment with PoE or PoE+ interface support.
- **- Remote Management:** Equipped with remote management and online upgrading capabilities for ongoing system optimization.

ANALOG CEILING SPEAKER

NAC-131

▲ TECHNICAL PARAMETERS

Speaker Unit	1×6" Paper Cone Full Range Speaker
Rated Power Output	3W/6W
Input Voltage	100V
Sensitivity	93±3dB
Frequency Response	100-15KHZ
Ceiling Cut-out	Φ170mm
Dimensions	Φ188×76mm



▲ KEY FEATURES

QUALITY SOUND AND EASY INSTALLATION

- - **Material:** Features composite speaker cones for clear, pleasing sound quality.
- - **Design:** Strong and convenient active clip design for easy installation.
- - **Durability:** Enhanced with a composite suspension edge and damping treatment to extend the speaker's lifespan.
- - **Application:** Specifically designed for ceiling mounting.

EFFICIENT POWER CONNECTION

- - **Direct Amplifier Link:** Connects directly to a power amplifier's 100V line output.
- - **Versatile Power Options:** The 100V transformer on the speaker allows for easy power selection via primary winding connection terminals.

DIRECTIONAL SURVEILLANCE MICROPHONE

TS-929E

▲ TECHNICAL PARAMETERS

Power Supply:	DC:11V-30V, AC:24V; POE IEEE802.3AT/AF
Directionality:	Allows for switch between Unidirectional and Omnidirectional
Frequency Response:	20HZ-20KHZ
SNR:	90dB
Operating Temperature:	-20°C ~ +60°C



▲ KEY FEATURES

ROBUST BUILD AND ENVIRONMENTAL ADAPTABILITY

- - **Sturdy Construction:** Made Of Metal With An Aluminum Alloy Shell, Offering Corrosion Resistance.
- - **Outdoor Suitability:** Designed To Be Waterproof And Dustproof, Ideal For External Deployment.

ENHANCED AUDIO CAPABILITIES

- - **Noise Reduction Technology:** Features Adaptive Dynamic Noise Reduction Driven By A High-Speed DSP.
- - **Directional Microphone Quality:** High Sensitivity, Full Directional Capacitive Microphone Ensures Clear, Low-Noise, And High-Fidelity Audio.
- - **AGC:** Balances Sound Across Various Distances For Consistent Output.
- - **Extended Capture Range:** Offers A Far-Reaching Sound Capture With Minimal Interference.

COMPREHENSIVE CONNECTIVITY AND ALERTS

- - **Alert System:** Capable Of Detecting Specific Keywords Or Unusual Sounds For Alarm Triggering.
- - **Flexible Powering Options:** Supports Both A Power Adapter And Power Over Ethernet (POE).
- - **Remote System Management:** Allows For Online Upgrades And Enhanced Remote Operational Control.

IP INDUSTRIAL VIDEO PHONE BOX XC-9201V

▲ TECHNICAL PARAMETERS

Power Supply	DC 24V/2.7A or PoE (IEEE802.3af)
Network Protocol	SIP 2.0 (RFC 3261), HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Audio Sampling Rate	8kHz-44.1kHz, 16bit
Power Consumption	≤65W
Video Transmission Bit Rate	16Kbps-2Mbps
Video Coding	GVA/720/1080P
Transmission Bit Rate	8kbps-320kbps
S/N (Signal-to-Noise) Ratio	≥90DB
IP Rating	IP66
Interface	1×RJ45 Ethernet Port, 1×Relay Output, 2×Speaker Output (8Ω), 1×Power Input



▲ KEY FEATURES

ENHANCED DESIGN AND FUNCTIONAL FEATURES

- - **Aluminum Alloy Construction:** Wall-mounted, paint-coated casing with resistance to dust, noise, explosions, and corrosion.
- - **Efficient Dialing System:** Numeric keypad for full-duplex intercom with any terminal.
- - **Emergency Calling:** Quick-access button for one-touch calls to preset destinations.
- - **Offline Intercom Support:** Functions without a server for offline communication.

ADVANCED CONNECTIVITY AND CONTROLS

- - **Versatile Output Ports:** Alarm and amplifier outputs for connecting alarms and speakers.
- - **Broad Network Compatibility:** Easily connects via Ethernet, supporting cross-segment and router functionality.
- - **POE Enabled:** Power Over Ethernet support for streamlined power supply.

NETWORK HORN SPEAKER XC-9615

▲ TECHNICAL PARAMETERS

Power Supply	DC 24V/2.7A or PoE (IEEE802.3af)
Power Consumption	≤65W
Rated Power Output	30W(at DC 24V/2.7A powered) 22W (at PoE+ powered) 15W (at PoE powered)
Network Protocol	SIP 2.0 (RFC 3261), FTP, HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Maximum SPL	97dB±3dB
S/N (Signal-to-Noise) Ratio	≥80dB
Audio Encoding	MP3/PCM/ADPCM/G711.a/G711.u/G729
Frequency Response	100Hz-18kHz
Interface	1×RJ45 Ethernet Port, 1×Power Input
IP Rating	IP65



▲ KEY FEATURES

CONNECTIVITY & SYSTEM INTEGRATION

- - **Multicast Addresses:** 10 Multicast Addresses For Paging From SIP Phones.
- - **Server Efficiency:** Multicast Scalability Saves SIP Account Resources.
- - **SIP Compatibility:** Standard SIP Protocol For Easy Integration With Yeastar, Asterisk, Cisco.
- - **Onvif Compatibility:** Onvif Protocol Compatible For Third-Party Monitoring System Integration.

AUDIO MANAGEMENT & NETWORK FUNCTIONALITY

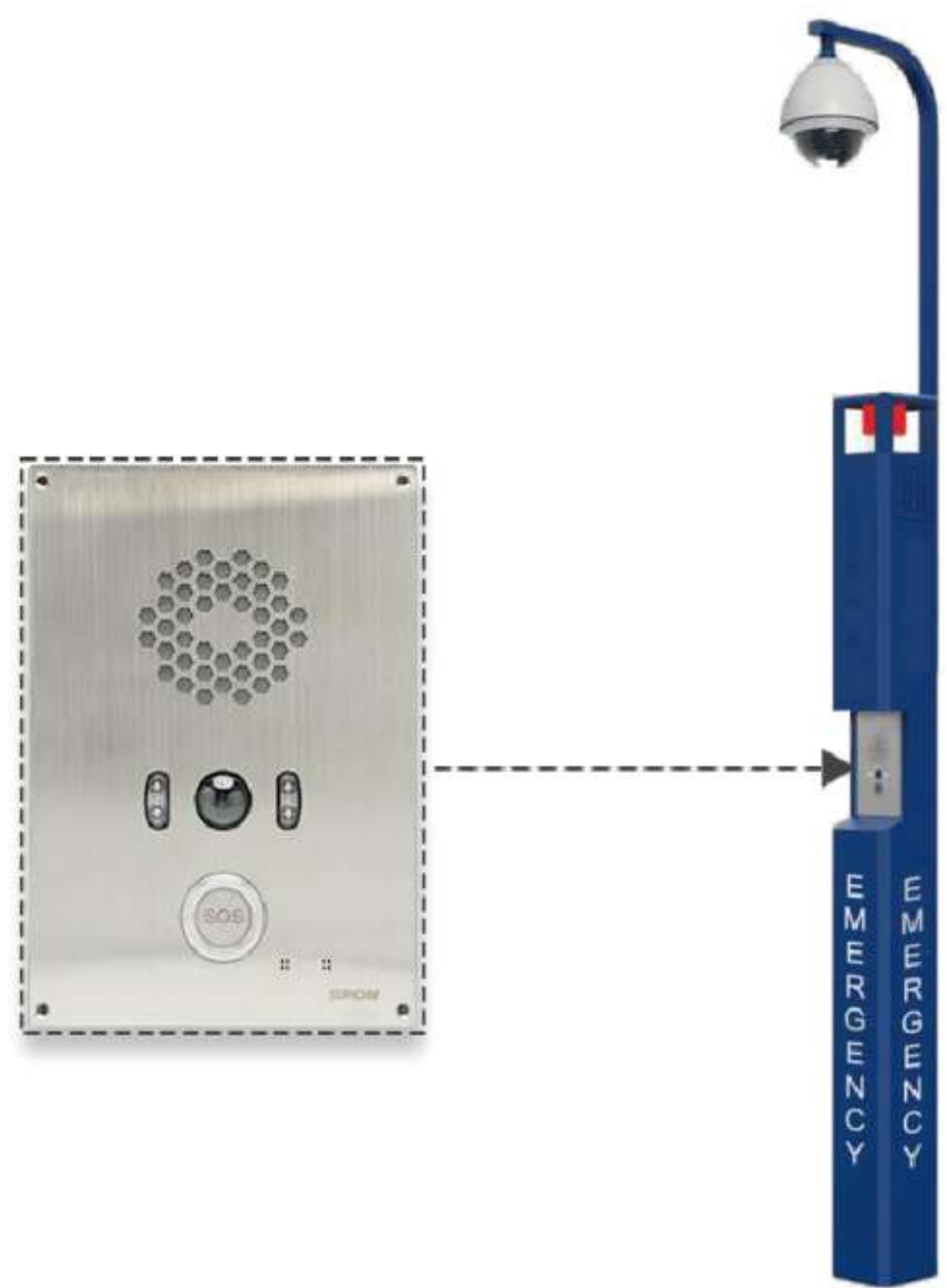
- - **Content Management:** Manages Background Music, Emergency Pages, And Alarms From SPON.
- - **Adaptive Volume:** Dynamic Volume Control Adapts To Ambient Noise.
- - **Power Option:** PoE/PoE+ Support For Versatile Installation.
- - **Remote Management:** Remote Management And Online Upgrades.
- - **Two-Way Intercom:** Two-Way Communication With SIP Telephones/Intercoms.

IP EMERGENCY CALL BOX

XC-9242V

▲ TECHNICAL PARAMETERS

Power Supply	DC 24V/2.7A
Network Protocol	SIP 2.0 (RFC 3261), HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Audio Sampling Rate	8kHz-44.1kHz, 16bit
Transmission Bit Rate	8kbps-320kbps
Video Coding	VGA/720/1080P
IP Rating	IPX5
Weight	5kg



▲ KEY FEATURES

DURABLE DESIGN AND SAFETY MECHANISMS

- - **All-Weather Metal Casing:** IPX5-rated for outdoor durability.
- - **Safety Features:** Includes surge and lightning protection with automatic recovery.

COMMUNICATION AND ALERT SYSTEM

- - **Easy Call Function:** Single-button calling to server-set targets for efficient communication.
- - **Integrated Warning System:** Compatible with the NAC-17D alarm column with a warning light for intercom alerts and monitoring center control.

AUDIO-VISUAL FEATURES AND AMPLIFICATION

- - **Audio Equipment:** 10W speaker and microphone for hands-free communication and broadcast reception.
- - **Amplifier and Camera:** 40W digital amplifier module for external speakers; 1080P wide-angle camera with H.264 encoding for visual intercom.
- - **Network Integration:** ONVIF protocol for NVR connection; standard SIP protocol support for VoIP systems like Asterisk.

CONNECTIVITY AND ADDITIONAL FEATURES

- - **Server-Independent Operation:** Capable of offline intercom functionality.
- - **Security Alerts:** Noise level monitoring and anti-tampering alarms.
- - **Multiple Inputs and Outputs:** Includes alarm inputs, controlled power output for driving warning lights, and switch alarm output for device linkage.