

SPON

IP SURVEILLANCE MICROPHONE SYSTEM



SPON
Innovate For Security



SPON Communications

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Introduction

One of China's Largest Providers of IP PA system and Intercom Systems.

Established in 2004 in Changsha, China, SPON Communications has become a prominent name in digital network audio and intercom systems. Known for pioneering IP Audio solutions, it's gained wide recognition in sectors like finance, transportation, education, and industry. SPON is dedicated to providing trusted audio IoT solutions worldwide.

Core Product:

- IP PA System
- IP Conference System
- IP Intercom Sytem
- IP Surveillance Microphone

ENVIRONMENT

SPON offers a great work environment and culture for its employees.



Reception

Anechoic Chamber

Rest Area



Exhibition Hall

SMT Workshop

QUALIFICATION / CERTIFICATION



High-Tech Enterprise Certification



Software Enterprise Certification



China Security Industry Membership



Top Ten National Security Brand in China



ISO9000 Certification



ISO1400 Certification



Hunan AAA Credit Rating



CCC Certification



CE Certification



Military Security Certification



Ministry of Public Security Certification



Invention Patent Certificate



Utility Model Certification



Design Patent Certification



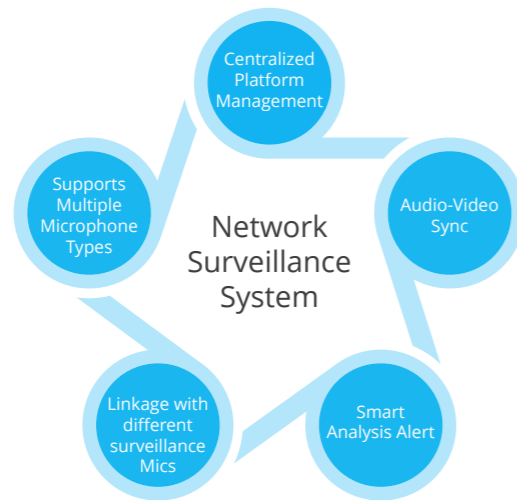
Computer Software Copyright

System Overview

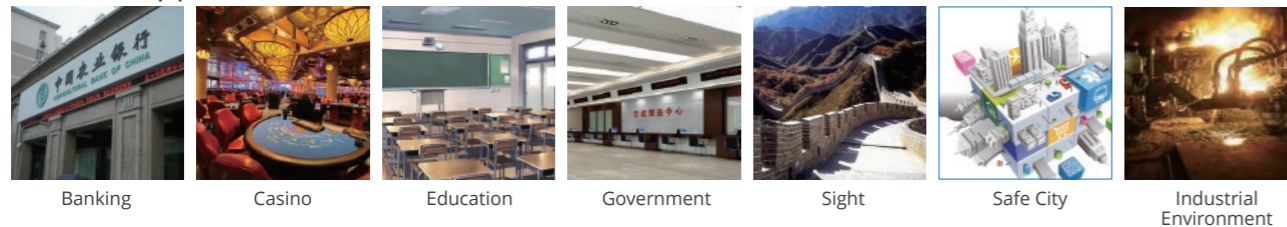
The SPON IP High-Definition Surveillance Microphone System leverages advanced XCoIP technology for enhanced IP audio surveillance. It focuses on high-definition audio in various environments, overcoming issues like noise interference and voice distortion. The system provides clear, accurate sound reproduction, integrating seamlessly with video surveillance for synchronized audio-visual monitoring. It's effective in diverse settings, from quiet rooms to noisy public spaces, offering reliable audio monitoring in complex acoustic environments.

System Key Features:

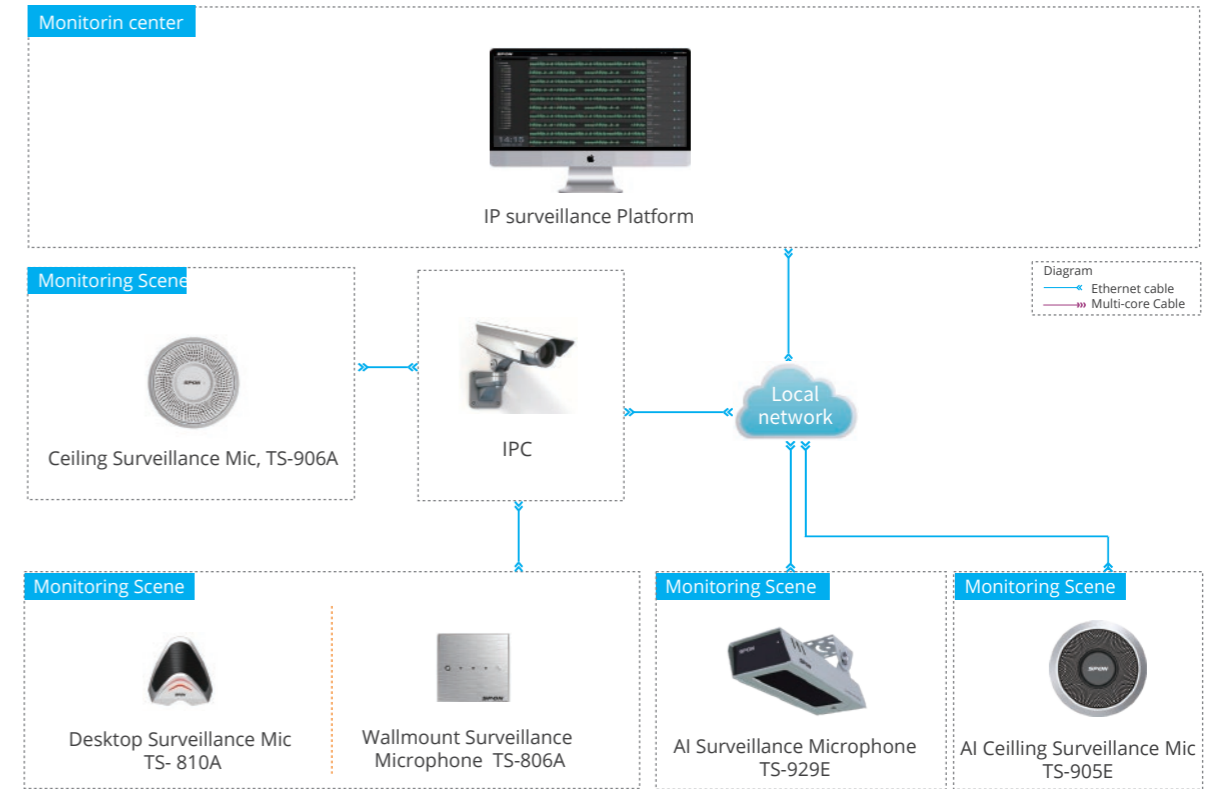
- **Acoustic Design:** Enhanced pickup performance.
- **Noise Cancellation:** Reduces environmental noise.
- **Echo Suppression:** Minimizes room echo effects.
- **Voice Clarity:** Automatic gain and speech enhancement.
- **Alert Recognition:** Identifies keywords and unusual sounds.
- **Noise Isolation:** Separates electrical and line noises.
- **Remote Management:** Control of pickup devices.



Product Application:



System Connection Diagram



System Function

Centralized Platform Management	Monitors, alarms, updates, and adjusts settings for connected microphones.
Audio-Video Sync	Microphones and cameras synchronize audio-video data on networks for easy installation and maintenance.
Optimized Audio-Video Setup	Freely bind audio and video at surveillance sites, enabling both one-to-many and many-to-one bindings for optimized sync monitoring.
Sound Wave Configuration	Front-end microphones can be set up and maintained via sound waves, eliminating the need for physical contact or disassembly.
Voice-Activated Alerting	The system intelligently analyzes audio data, supporting voice recognition, keyword and abnormal sound alerts.
Supports Multiple Microphone Types	Integrates IP, digital, analog, and third-party microphones via system gateway for networked, centralized management.

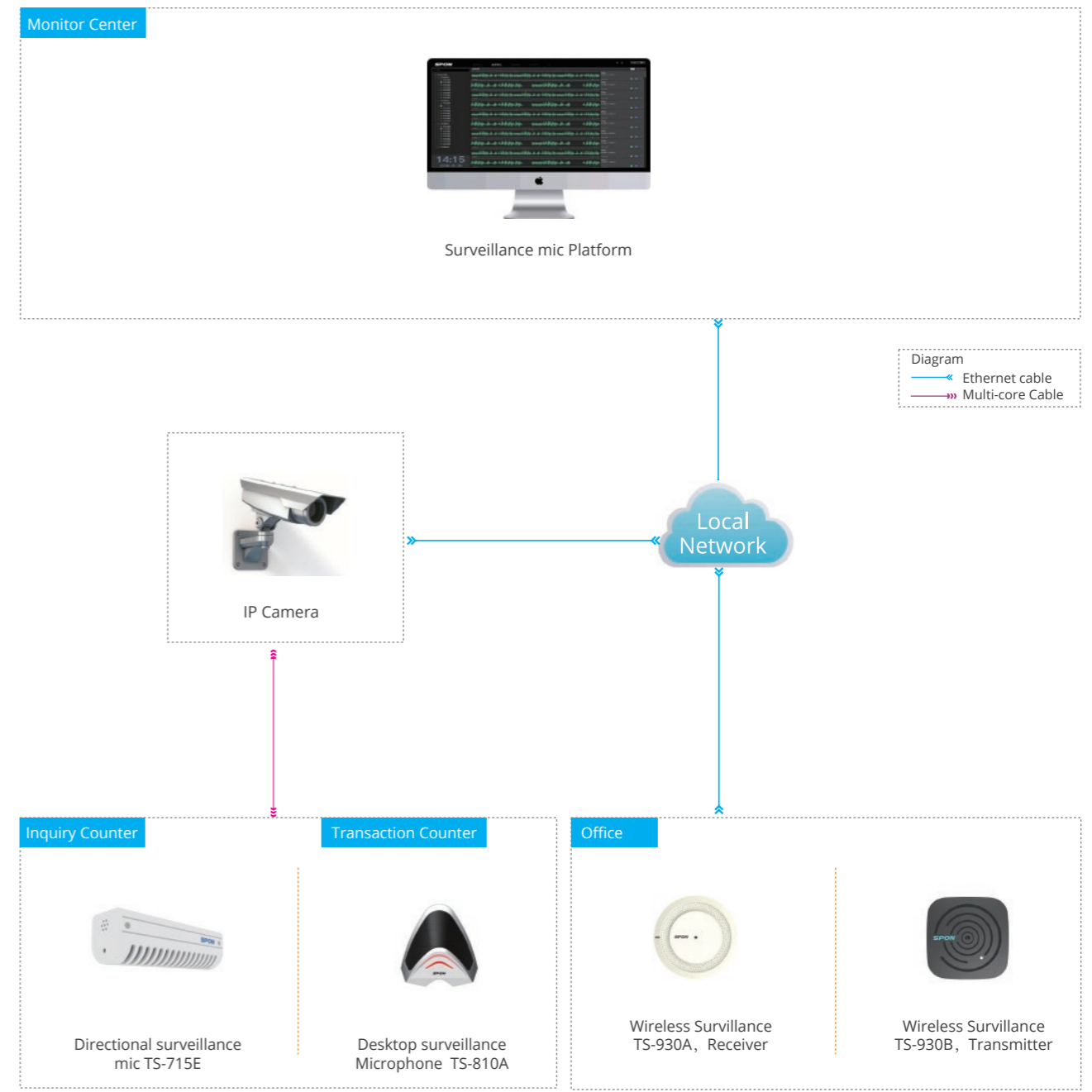
APPLICATION Counter Transaction



In high-traffic desk and counter areas, disputes often arise from various factors like staff oversight or customer behavior.

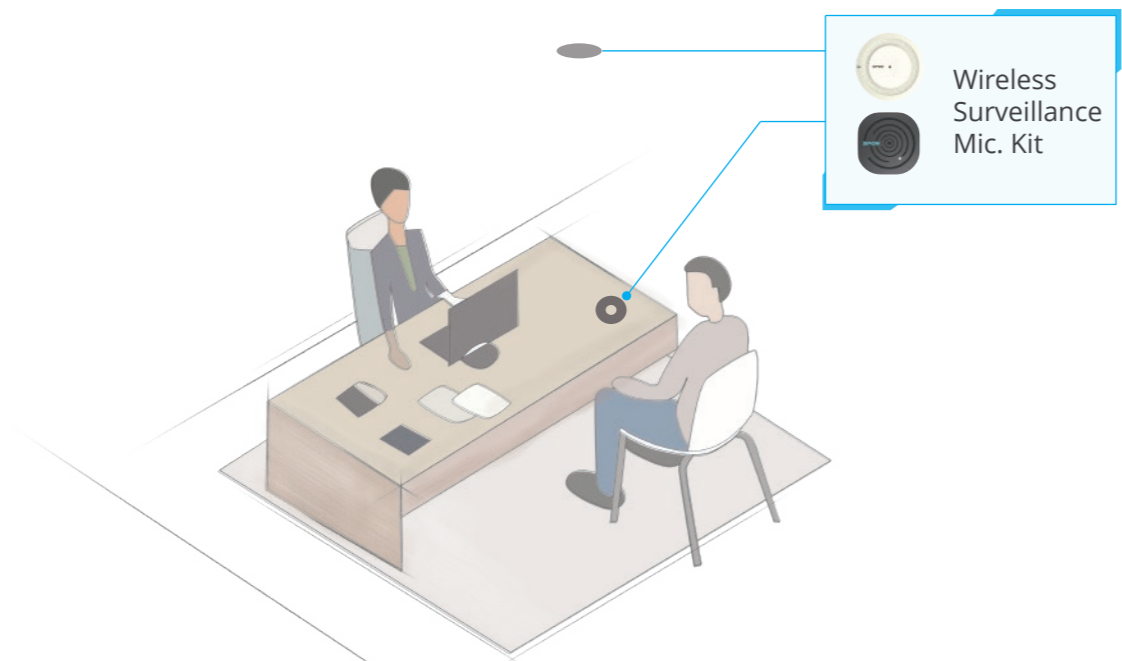
To ensure traceability and oversight in these interactions, SPON offers specialized close-range Surveillance Microphone. These are designed for desk and counter settings to clearly capture and analyze interaction audio, providing reliable audio evidence for any future investigations.

System Connection Diagram



Main Product and Application

Office



Wireless Transmission



Dynamic Noise Cancellation



Easy Installation

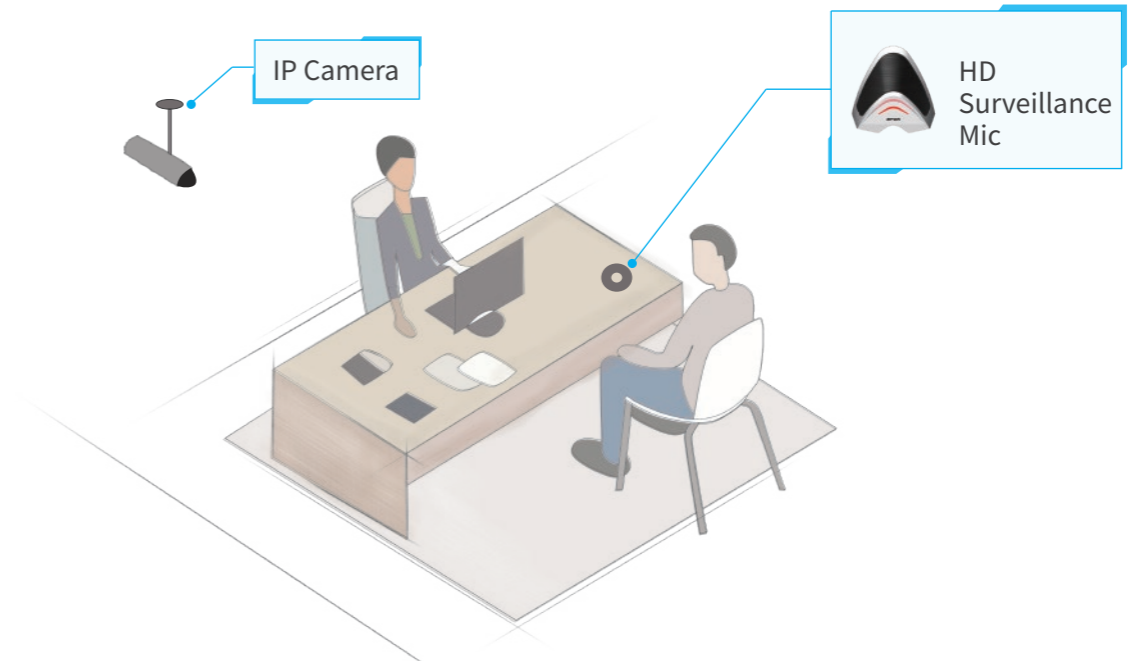


TS-930A/B

Wireless Surveillance Mic: Transmitter Captures nearby sounds at desk in office and wirelessly transmits clear audio to the receiver for convenient installation.

Main Product and Application

Service Counter



AEC



Technological Design



Anti-Reverberation

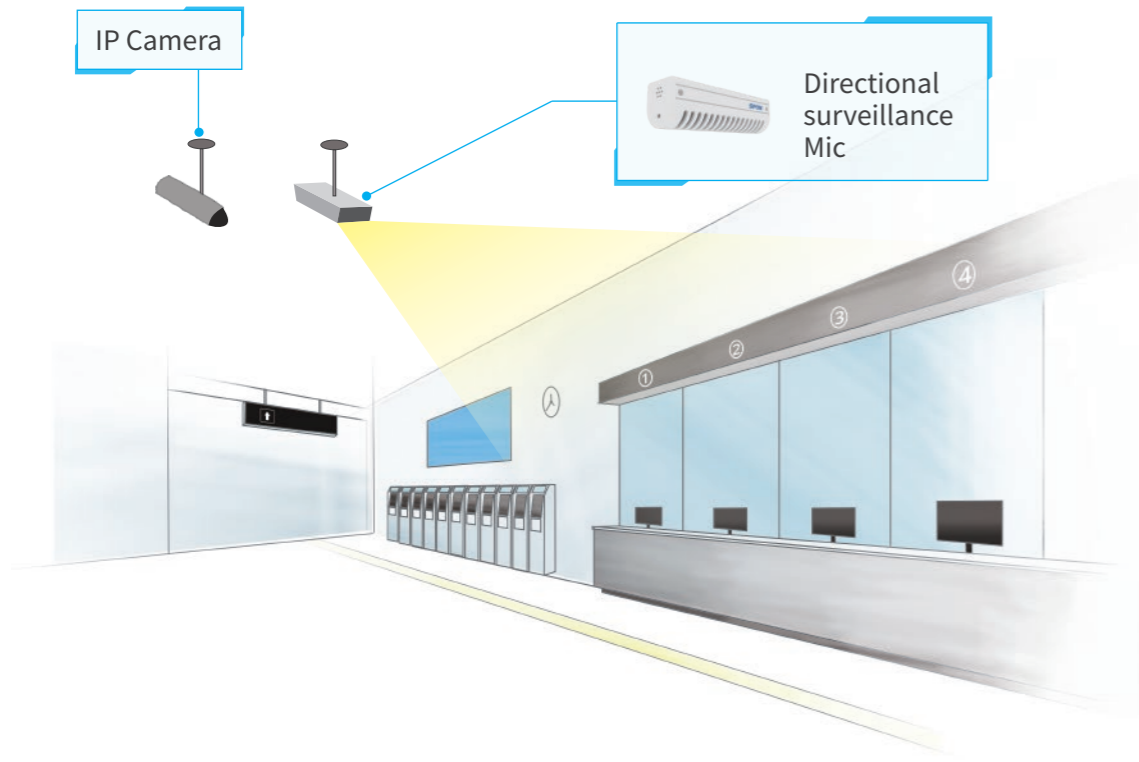


TS-810A

Desktop Microphone for service areas: clear sound capture with desk-mount design, echo reduction and anti-reverb.

Main Product and Application

Inquiry Counter



Directional



Long range
sound capture



Dynamic Noise
Cancel



TS-715E

Directional Microphone using directional capture, ideal for areas where wiring is challenging. Ceiling-mounted to capture sound from specific areas, easy to install.

APPLICATION Traffic Hubs



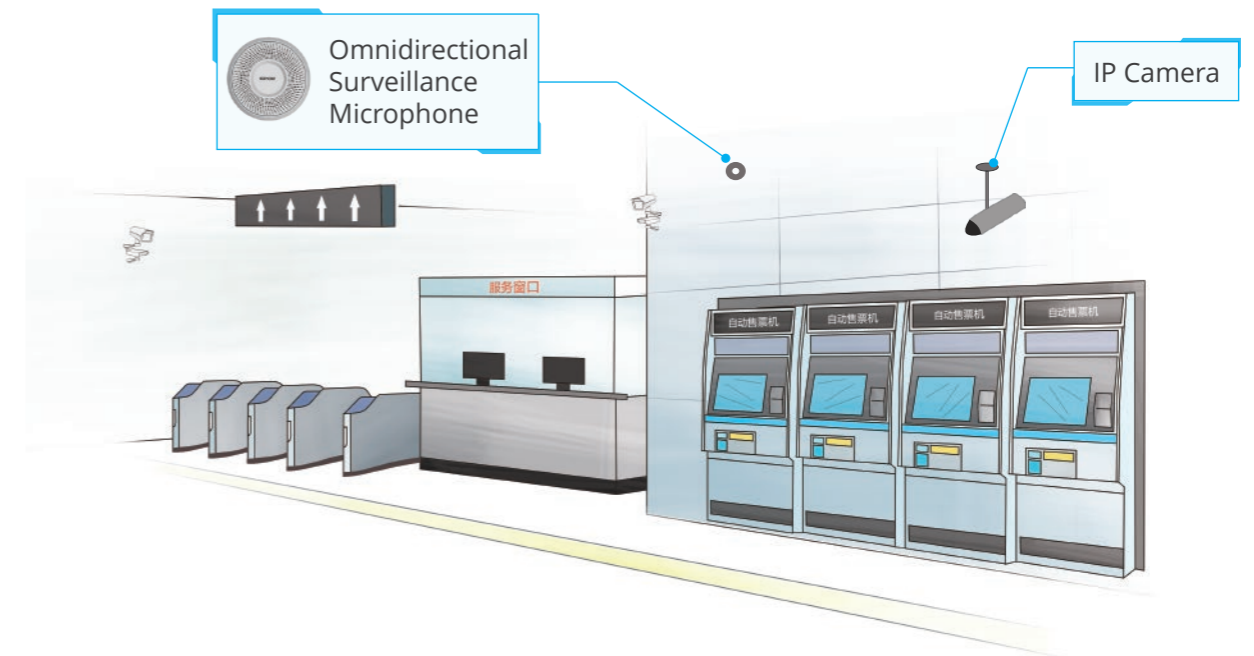
Transport hubs and rail transit, crucial for socio-economic growth, require digitization as high-traffic public areas. Focusing on public, personal, and property safety is essential in these dispute-prone zones, where IP Surveillance Microphone systems play a key role in ensuring industry safety.

System Connection Diagram



Main Product and Application

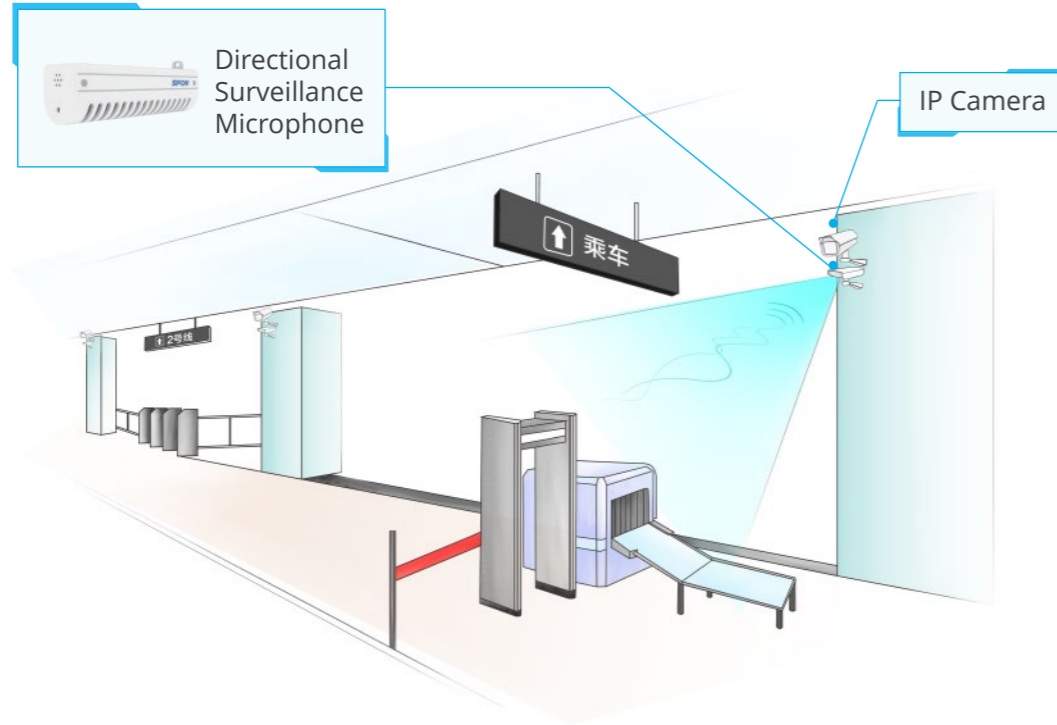
Ticket office/Check Point



In busy areas like self-service ticketing and checking point at subway, train, and bus stations, where noise and disputes are common, the TS-703E omnidirectional microphone, with its DSP digital processing and noise reduction algorithm, adapts to these challenging environments to effectively capture sound.

Main Product and Application

Security Path



Directional



Long-Range
sound Capture



Network
Transmission



Audio Backup

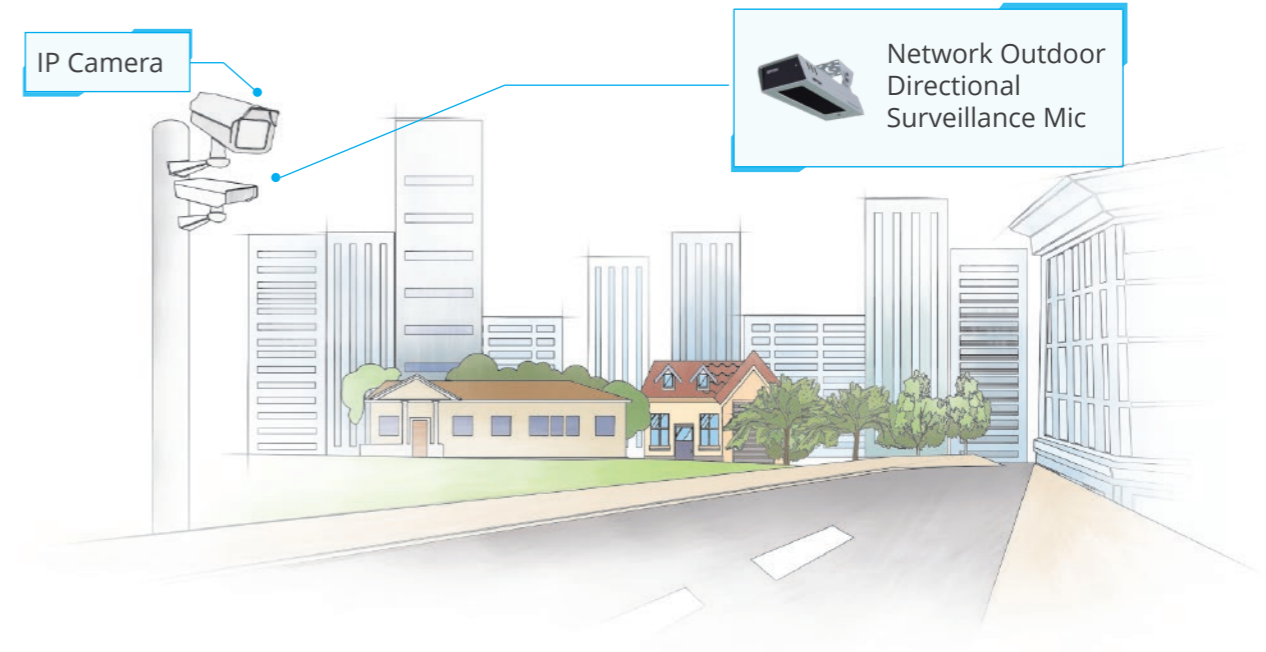


TS-715E

In narrow, confined spaces like entrances, security lanes, and platforms at transit stations, the TS-715E microphone excels in long-range sound collection (up to 30 meters). Often paired with bullet cameras, it offers flexible installation methods such as integrated camera mounting or pole and bracket support for effective monitoring.

Main Product and Application

Main Traffic road



Wind Noise
Proof



Waterproof



DSP Noise
Cancellation



Long-range
Sound Capture



TS-929E

SPON's outdoor directional microphones, suitable for outdoor settings like traffic paths and security lanes, offer waterproof, wind noise proof, and heat-resistant features with an IP54 rating. Equipped with DSP chips and noise reduction algorithms, they ensure clear sound up to 30 meters, ideal for harsh outdoor conditions.

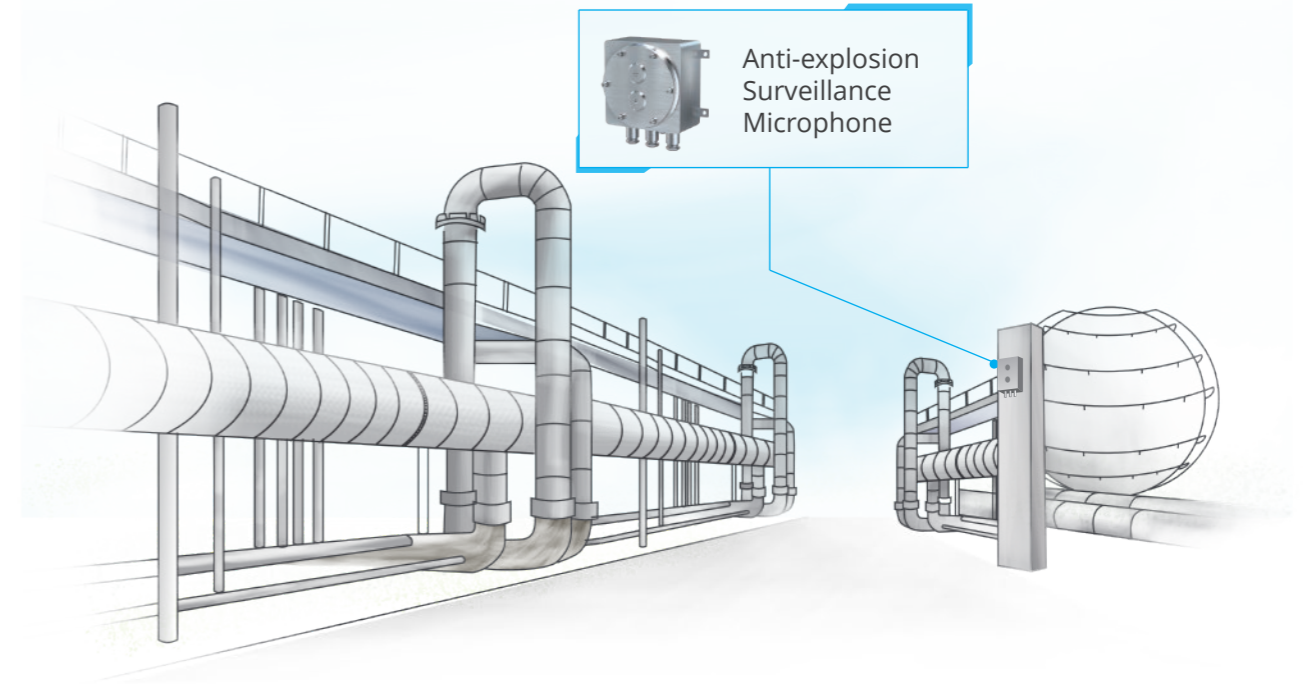
APPLICATION Special Scenarios



SPON's IP HD Surveillance Microphone System, tailored for unique industry needs with specialized technology and experience, is widely used in industrial, chemical, mining, and correctional facilities.

Main Product and Application

Chemical Industries



Industrial
Anti-explosion



IP66/67



Network
Management

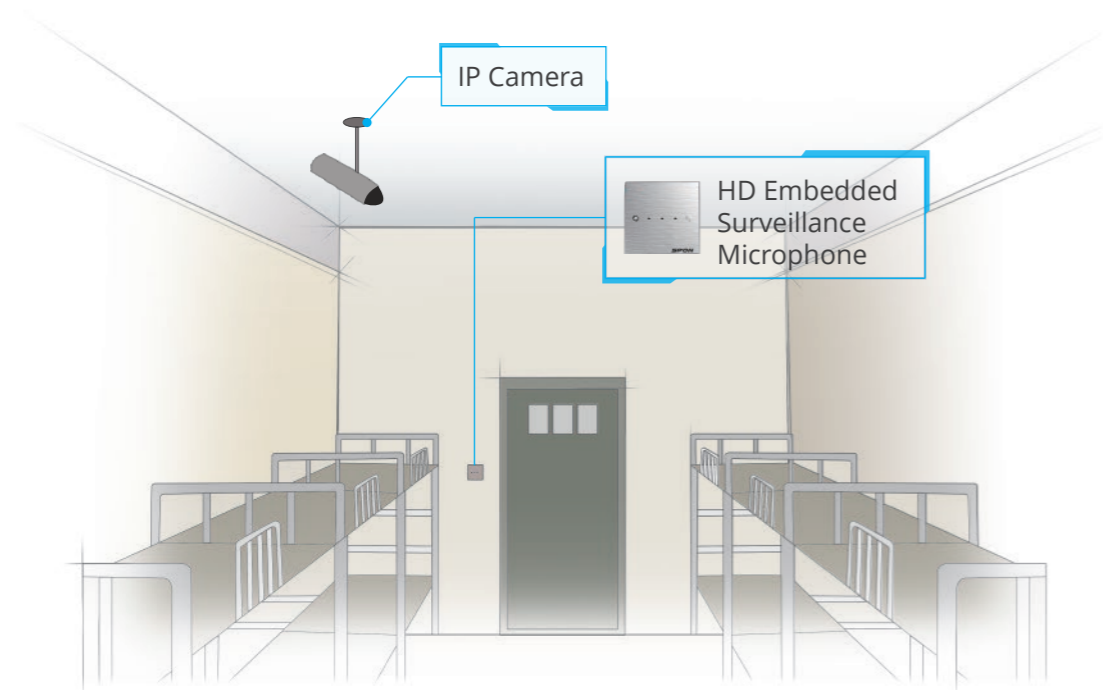


TS-107E

Mining and chemical industries, which have high demands for explosion-proof protection, use surveillance microphones with stainless steel casings and embedded high-definition microphones for clear collection of equipment operational status.

Main Product and Application

Prison



AEC



Anti-Riot



Concealment



TS-806A

Correctional facilities need durable, discreet, and echo-resistant products. This model features an aluminum alloy anti-riot build, covert embedded installation, and is designed to resist echoes.

PRODUCT INTRODUCTION

Product Design and Parameter

MANAGEMENT PLATFORM

Surveillance Mic Management Platform

Technical Specifications:



Architecture: Three-level tree management platform, adds hosts and auto-syncs host and channel parameters.

Channel Configuration: Modifies and syncs basic parameters, names, and channel settings to devices.

Real-Time Monitoring: Previews live sound from channels with waveform display for sound intensity.

Status Monitoring: Tracks the status of digital surveillance Microphones, with alarm alerts for anomalies.

Upgrades: Allows updates for gateways, hosts, and digital microphones.

Logging: Records important logs for maintenance and troubleshooting.

Intelligent Alerts: Supports smart audio-video linkage for alarms.

Operating System Compatibility: Windows 10, Server 2008, Server 2012.

SURVEILLANCE MICROPHONE (INDOOR)

Ceiling Surveillance Mic, TS-601A

Technical Specifications:



Sound Collection Area: Up to 100 square meters.

Connection: Three-wire output (red for power, white for audio, black for common ground).

Material: Aluminum Alloy.

Operating Temperature: -20°C to 65°C.

Dimensions: $\Phi 63.5 \times 15.5$ (mm).

Installation: Ceiling-mounted.

Product Design and Parameter

Ceiling Surveillance Mic, TS-602A



Technical Specifications:

Sound Collection Area: Up to 100 square meters.
Connection: Three-wire output (red for power, white for audio, black for common ground).
Material: Aluminum Alloy.
Operating Temperature: -35°C to 70°C.
Dimensions: $\Phi 70 \times 18.3$ (mm).
Installation: Ceiling-mounted.

Desktop Surveillance Mic, TS-610A(Desktop Type)



Technical Specifications:

Sound Collection Range: 1-3 meters.
Connection: Power socket, 3.5mm audio socket.
Material: Plastic.
Operating Temperature: -20°C to 65°C.
Dimensions: $64.4 \times 64.4 \times 10$ (mm).
Installation: Suitable for window and desktop mounting.

HD Surveillance Mic, TS-806A(Anti-Riot Type)



Technical Specifications:

Sound Collection Area: 5-100 Square meter(Adjustable).
Connection: Supports three-wire and four-wire audio isolation output.
Material: Aluminum Alloy.
Operating Temperature: -35°C to 70°C.
Dimensions: $86 \times 86 \times 17.3$ (mm).
Installation: Wall-mounted and Embedded.

Product Design and Parameter

HD Surveillance Mic, TS-808A(Embedded)



Technical Specifications:

Sound Collection Range: 1-3 meters.
Connection: Three-wire output (red for power, white for audio, black for common ground).
Material: Aluminum Alloy.
Operating Temperature: -35°C to 70°C.
Dimensions: $\Phi 30 \times 38$ (mm).
Installation: Embedded.

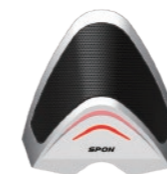
HD Surveillance Mic, TS-809A(Coceaied Type)



Technical Specifications:

Sound Collection Range: 1-3 meters(Adjustable).
Connection: Supports three-wire and four-wire audio isolation output.
Material: Aluminum Alloy.
Operating Temperature: -35°C to 70°C.
Dimensions: Panel: $75 \times 49.5 \times 14.5$ (mm)
Mic: $\Phi 25 \times 8$ (mm).
Installation: Device mbedded.

HD Surveillance Mic, TS-810A(Desktop Type)



Technical Specifications:

Sound Collection Range: 1-3 meters(Adjustable).
Connection: Supports three-wire and four-wire audio isolation output.
Material: Aluminum Alloy.
Operating Temperature: -35°C to 70°C.
Dimensions: $105 \times 100 \times 25$ (mm)
Installation: Desktop, Counter.

Product Design and Parameter

HD Surveillance Mic, TS-812A(Ultra-Thin Type)



Technical Specifications:

Sound Collection Range: 1-3 meters.
Connection: Three-wire output (red for power, white for audio, black for common ground).
Material: Aluminum Alloy.
Operating Temperature: -35°C to 70°C.
Dimensions: 40*30*3 (mm)
Installation: Desktop adhesive mounting, Counter.

HD Surveillance Mic, TS-819A(Coceaied Type)



Technical Specifications:

Sound Collection Range: 1-3 meters(Adjustable).
Connection: Supports three-wire and four-wire audio isolation output.
Material: Aluminum Alloy.
Operating Temperature: -35°C to 70°C.
Dimensions: Panel: 75*49.5*14.5 (mm)
Mic: Φ25*8 (mm).
Installation: Device mbedded.

HD Surveillance Mic, TS-906A(Noisy Environment)



Technical Specifications:

Sound Collection Area: Up to 5-150 square meters(Adjustable).
Connection: RJ45(Connect to Digital Gateway); Supports three-wire and four-wire audio isolation output. supports single, dual channel output.
Material: Aluminum Alloy.
Operating Temperature: -20°C to 60°C.
Dimensions: Φ80*22 (mm).
Installation: Ceiling-mounted.

Product Design and Parameter

AI Network Surveillance Mic, TS-905E(Smart Type)



Technical Specifications:

Sound Collection Area: Up to 5-180 square meters(Adjustable).
Intelligent Features: Supports keyword and specific abnormal sound recognition.
Connection: Starndar RJ45; Supports three-wire and four-wire audio isolation output.
Material: Aluminum Alloy and Metal Mesh
Operating Temperature: -20°C to 60°C.
Dimensions: Φ85*18 (mm).
Installation: Ceiling-mounted.

Directional Surveillance Mic, TS-715E(Network Type)



Technical Specifications:

Sound Collection Range: 1-30 meters (Adjustable).
Connection: Standard RJ45, 3.5mm Audio Jack Output, 2-core Power Input.
Material: Aluminum Alloy.
Operating Temperature: -20°C to 65°C.
Dimensions: 64.4*64.4*10 (mm).
Installation: Stand, Ceiling-Mounted.

Product Design and Parameter

SURVEILLANCE MICROPHONE (OUTDOOR)



Anti-Explosion TS-107E (Anti-Explosion/Outdoor)

Technical Specifications:

- Sound Collection Range: 1-20 meters (Adjustable).
- Connection: Standard RJ45, three-wire audio isolation output.
- Material: Stainless Steel.
- Explosion-Proof Certification: Ex db[ib] IIC T6 Gb; Ex tb[ib] III C T80 °C Db.
- Protection Rating: IP66/67.
- Operating Temperature: -20°C to 60°C.
- Dimensions: 160*107*202 (mm).
- Installation: Wall-Mounted.

Anti-Explosion Surveillance Microphone TS-106E (Anti-Explosion/Outdoor)



Technical Specifications:

- Sound Collection Range: 1-20 meters (Adjustable).
- Directionality: Directional
- Connection: Standard RJ45, three-wire audio isolation output.
- Material: Stainless Steel.
- Protection Rating: IP66/67.
- Operating Temperature: -20°C to 60°C.
- Dimensions: Φ140*196(mm).
- Installation: Wall-Mounted.

Product Design and Parameter

Outdoor Directional Surveillance Mic, TS-915A(Outdoor Type)

Technical Specifications:

- Sound Collection Range: 1-20 meters (Adjustable).
- Directionality: Directional
- Connection: Supports three-wire and four-wire audio isolation output.
- Material: Aluminum Alloy.
- Operating Temperature: -20°C to 60°C.
- Dimensions: 135*71*28 (mm).
- Installation: Stand, Ceiling-Mounted.



Network Outdoor Directional Surveillance Mic, TS-915E (Outdoor Type)

Technical Specifications:

- Sound Collection Range: 1-20 meters (Adjustable).
- Intelligent Features: Supports keyword and specific abnormal sound recognition.
- Directionality: Directional
- Connection: Standard RJ45, Supports three-wire and four-wire audio isolation output.
- Material: Aluminum Alloy.
- Protection Rating: IP67.
- Operating Temperature: -20°C to 60°C.
- Dimensions: 135*71*28 (mm).
- Installation: Stand, Ceiling-Mounted.



Network Outdoor Directional Surveillance Mic, TS-929E (Outdoor Type)

Technical Specifications:

- Sound Collection Range: 1-30 meters (Adjustable).
- Intelligent Features: Supports keyword and specific abnormal sound recognition.
- Directionality: Directional
- Connection: Standard RJ45, Supports three-wire and four-wire audio isolation output.
- Material: Aluminum Alloy.
- Protection Rating: IP54.
- Operating Temperature: -20°C to 60°C.
- Dimensions: 188*75*32 (mm).
- Installation: Stand, Ceiling-Mounted.

