

Fanvil Broadcast and Intercom System

Excellent Sound Quality, Out-of-the-box, Functional Integration,
Easy to Operate, Flexible Expansion



Fanvil

Contents

01 About Fanvil

02 System Overview

06 Industrial Solution

08 Educational Solution

10 Retail Solution

12 Parking lot Solution

14 Warehousing and Logistics Solution

16 Economy Hotel Solution

18 Enterprise Solution

20 Residential Solution

About Fanvil

Fanvil Technology Co., Ltd. (Fanvil) is a leading global provider of A&V-IoT (Audio&Video-IoT) devices with three R&D centers in Beijing, Shenzhen and Suzhou, China, and three manufacturing bases in Huizhou and Shangrao, China, and Vietnam. Fanvil has focused on SIP unified communication technology innovation for more than 20 years and provides SIP phones and SIP security industrial products in the global market. As the pioneer in applying standardized network communication technology and Audio & Video technologies to build A&V-IoT, we are boosting the digital transformation for multiple industries.

Fanvil SIP products and communication solutions provide the bridge between people and our global network. With its advanced technology and design, Fanvil has powered different businesses in our community, transportation, education, healthcare, enterprises, etc.

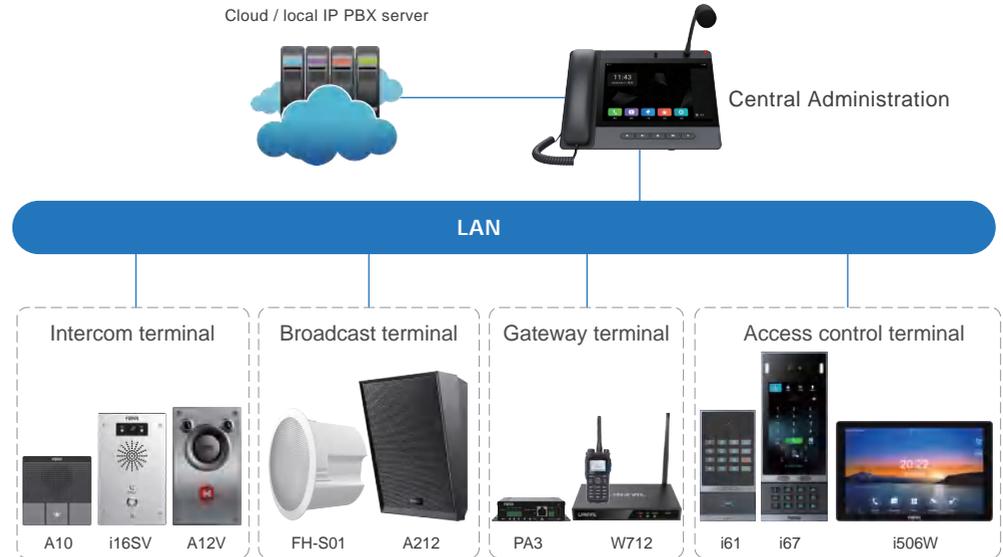
Adhering to the core values of Efficient, Team Work, Integrity, Positive and Enterprising, Fanvil is committed to providing high-quality A&V-IoT devices, and building an intelligent world of infinite communication.



System Overview

Fanvil broadcast and intercom system, based on IP communication and SIP, integrates video intercom, internal call, public broadcasting, Multi-party call, real-time recording, video surveillance and other functions to form an integrated solution.

The system is seamlessly connected with the IP PBX system to improve the efficiency of cross-system communication. The system needs no server deployment, just out of the box Use, reduce the deployment and maintenance costs, optimize the internal management process, to bring efficient and convenient communication experience for users.



System Character

Excellent Sound Quality

Accurate pick up sound
Background noise reduction
Non-destructive sound quality broadcast

Seamless Integration

Adopt open standards
Connect right out of the box
Achieve seamless integration

Flexible Expansion

Support 50 device access
Flexible expansion of customers

Easy to Deploy

Out of the box
Save configuration and maintenance time

Easy to Operate

Graphic interface
Easy to operate

Functional Fusion

public address, intercom, telephone Monitoring, meeting, and alarm And other multi-functional fusion

System Function

 Audio Intercom, Video Intercom, Wireless Intercom

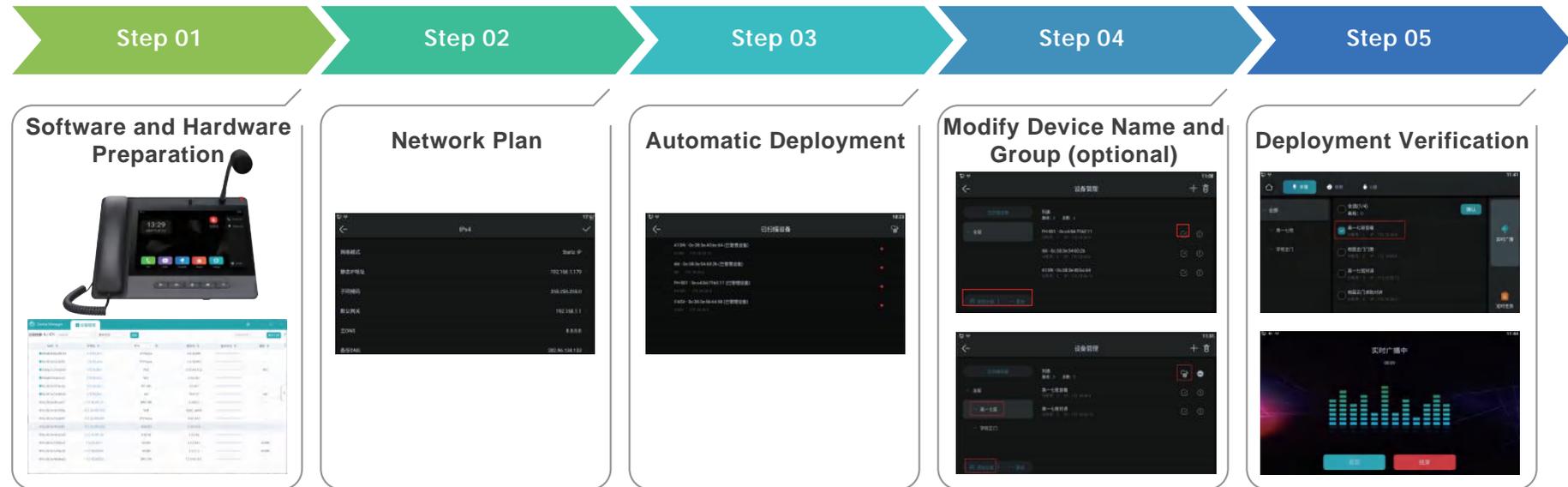
 Paging, Zone Broadcast, Scheduled Broadcast, Emergency Broadcast

 Internal Call, Conference call, Call Transfer

 Real-time Preview, Video Capture, Quad-view Video Monitoring

 Ten-party audio conference, Three-party video conference

System Configuration



Functional Integration, Save Costs, Efficient Coordination

Simplify the Complex - Simplifying Operations for Businesses



=



Communication System Server

+



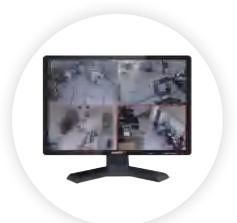
Paging Console Station

+



Broadcast Server

+



Surveillance Display Screen



Phone

+



Access Control Intercom Station

+



Parking Lot Intercom Station

+



Elevator Intercom Station

Fanvil audio and video terminals supported by the system

SIP Broadcast Terminal



SIP Gateway



SIP Audio and Video Access Control



SIP Indoor Station



SIP Audio and Video Intercom



SIP Phone



Industrial Solution

The industrial solution integrates multiple functions, including telephony, video access control, emergency intercom, public broadcasting, wireless intercom, multi-party conferencing, and video surveillance. This helps companies save on equipment investment, streamline daily operations, and improve internal collaboration efficiency. Even in high-noise environments, the system ensures accurate communication, optimizing production processes and increasing productivity. The solution also enhances the management of personnel and vehicle access, improving safety and ensuring a secure working environment while fully protecting the safety of both employees and company assets

Solution Value

Functional Integration, Efficient Collaboration

The solution integrates access control, public broadcasting, emergency intercom, telephone, wireless intercom, conference calling, and video surveillance into one platform, meeting the needs of production safety management and communication.

Clear Voice Transmission, Smooth Communication

The solution offers exceptional voice quality, ensuring clear sound transmission in high-noise environments, enabling smooth communication among employees.

Stable, Reliable, and Durable

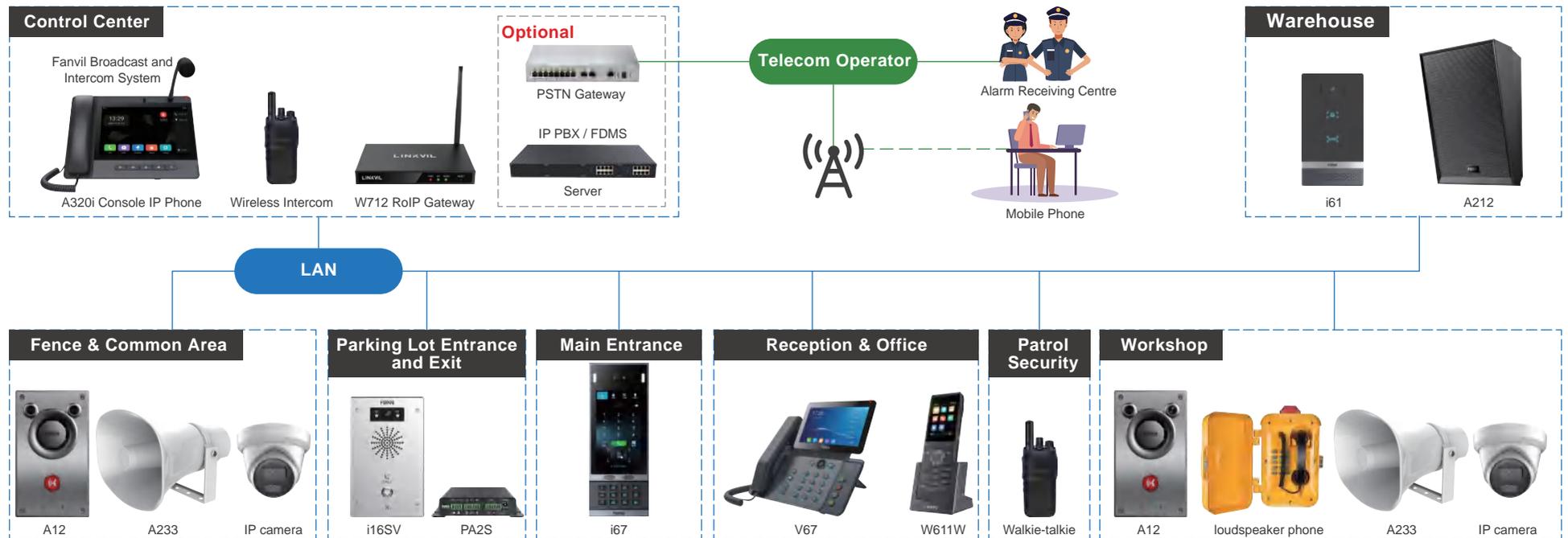
The audio and video terminals from Fanvil are designed to withstand harsh environments, including extreme temperatures, dirt, noise, and even damage, making them suitable for long-term use in environments such as coal mines, pipelines, highways, and factories.

Timely information delivery to improve productivity

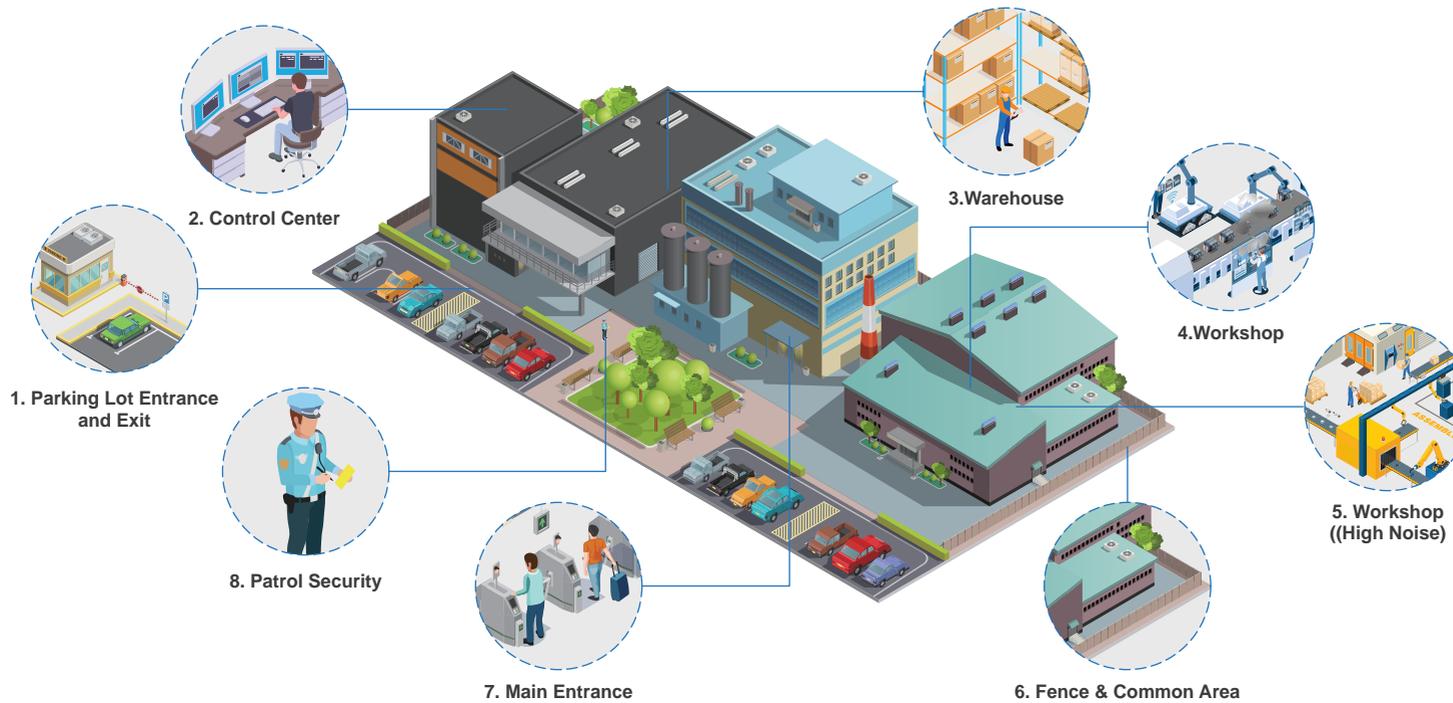
Using IP speakers, intercom terminals, and wireless walkie-talkies, information is promptly delivered to production line workers, streamlining daily operations and boosting productivity.



Solution Topology Diagram



Application Scenario



Related Products



1. Parking Lot Entrance and Exit

By installing a video intercom terminal, you can see and hear the person initiating the call for help



2. Control Center

The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.



3. Warehouse

The IP speaker can deliver daily work information or emergency notifications to employees.



4. Workshop

The intercom terminal combines both broadcasting and intercom functions, providing employees with daily work information or emergency assistance.



5. Workshop(High Noise)

In noisy workshops, install loudspeaking phones that alert incoming calls with a horn ringtone, while also providing employees with daily work information or internal communications.



6. Fence & Common Area

The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.



7. Main Entrance

Installing a video door entry system allows you to clearly see the person at the door, significantly enhancing security management at your facility.



8. Patrol Security

Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.

Educational Solution

The education solution integrates various functions such as telephony, video access control, emergency intercom, public broadcasting, wireless intercom, multi-party conferencing, and video surveillance. It helps schools save on equipment investment, simplify daily operations, and improve collaboration efficiency. The intercom and broadcasting terminals support environmental monitoring and are integrated with the video surveillance VMS system, enhancing the control center's situational awareness and improving the response time for emergencies. Additionally, the solution strengthens the management of personnel and vehicle access, creating a safer campus environment for both students and staff.

Solution Value

Create A Safe Learning Environment

The intercom terminals and IP speakers are equipped with features like sound detection, scream alarms, and keyword recognition, effectively enhancing the safety and protection of students and faculty

Enhance Situational Awareness Capabilities

The intercom and broadcast terminals support SIP and Onvif protocols, allowing integration with surveillance and communication systems. This enables the campus control center to achieve comprehensive awareness of students and staff.

Expand Staff Capabilities

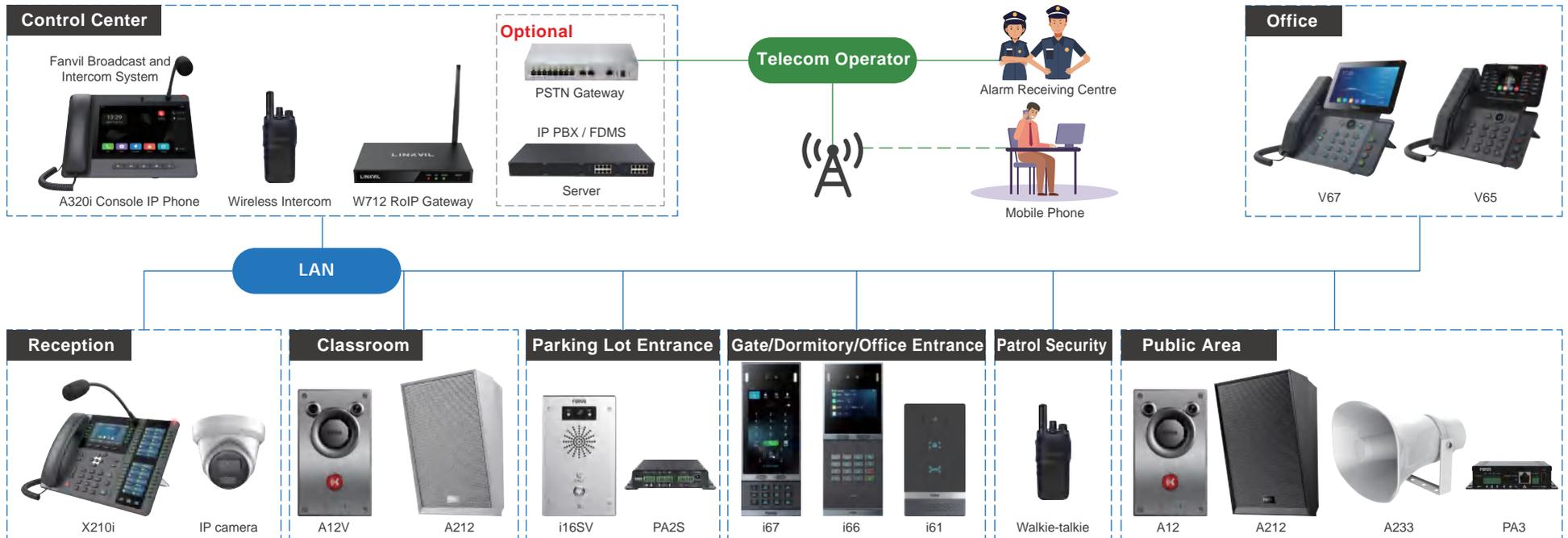
The intercom and environmental monitoring functions of the broadcast terminal enhance staff's awareness of their surroundings, enabling quick responses to on-site situations through voice communication.

Save Investment, Enhance Collaboration

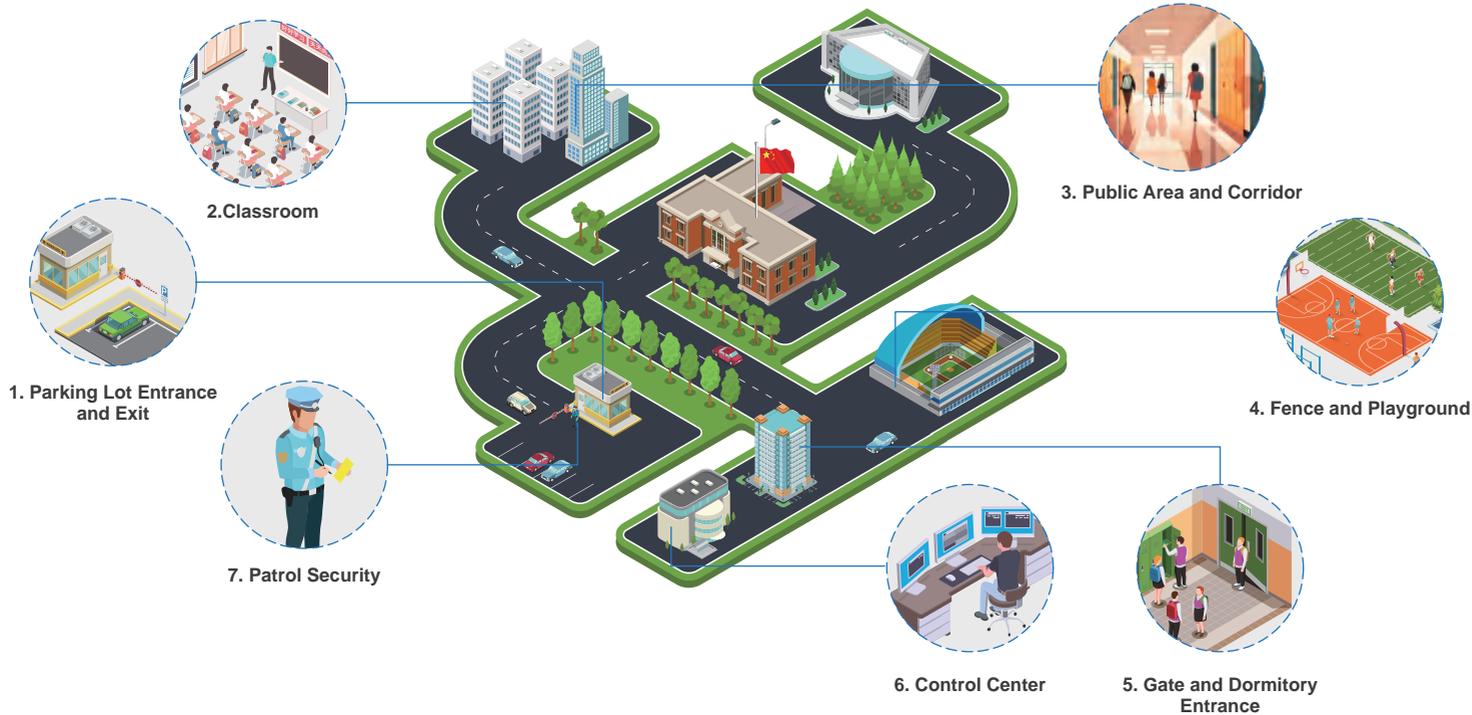
This solution integrates intercom, broadcasting, phone, and surveillance alarm systems into one, saving investment and improving efficiency. In emergencies, it enables efficient collaboration, providing enhanced protection for students and staff



Solution Topology Diagram



Application Scenario



Related Products



1. Parking Lot Entrance and Exit

By installing a video intercom terminal, you can see and hear the person initiating the call for help.



1. Parking Lot Entrance and Exit

The intercom gateway is installed within the parking equipment, allowing clear audio and video of the person requesting assistance when the intercom is activated.



2. Classroom

The IP speaker can deliver daily work information or emergency notifications to teachers and students.



3. Public Area and Corridor

The intercom terminal combines both broadcasting and intercom functions, providing daily work information or emergency assistance for teachers and students.



4. Fence and Playground

The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.



5. Gate and Dormitory Entrance

Installing a video door phone allows you to clearly see the caller at the door, enhancing the security management of the campus and dormitories.



6. Control Center

The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.



7. Patrol Security

Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.

Retail Solution

The retail solution integrates multiple functions such as telephone, video access control, emergency intercom, public broadcasting, wireless intercom, multi-party conferencing, and video surveillance. This helps businesses save on equipment investment, streamline daily operations, and enhance collaboration efficiency. Instant communication capabilities enable staff to quickly respond to customer needs, improving service quality while creating a safe shopping environment for both employees and customers, thereby enhancing the overall user experience. The intercom and broadcasting terminals support environmental monitoring and are integrated with the video surveillance VMS system, which enhances managers' situational awareness, reduces labor costs, and improves the efficiency of handling emergencies. This solution comprehensively boosts operational effectiveness and security management for retail businesses.

Solution Value

One-touch Call, Quick Response

With the intercom terminal, staff can quickly respond to customer needs, improving the quality of self-service and enhancing the overall customer experience.

Enhance Situational Awareness, Reduce Labor Costs

The intercom and broadcast terminals support the Onvif protocol, enabling integration with the monitoring VMS system. This allows the IT room to have full awareness of store staff, reducing reliance on manual labor and lowering labor costs.

Instant Information Delivery, Improving Efficiency

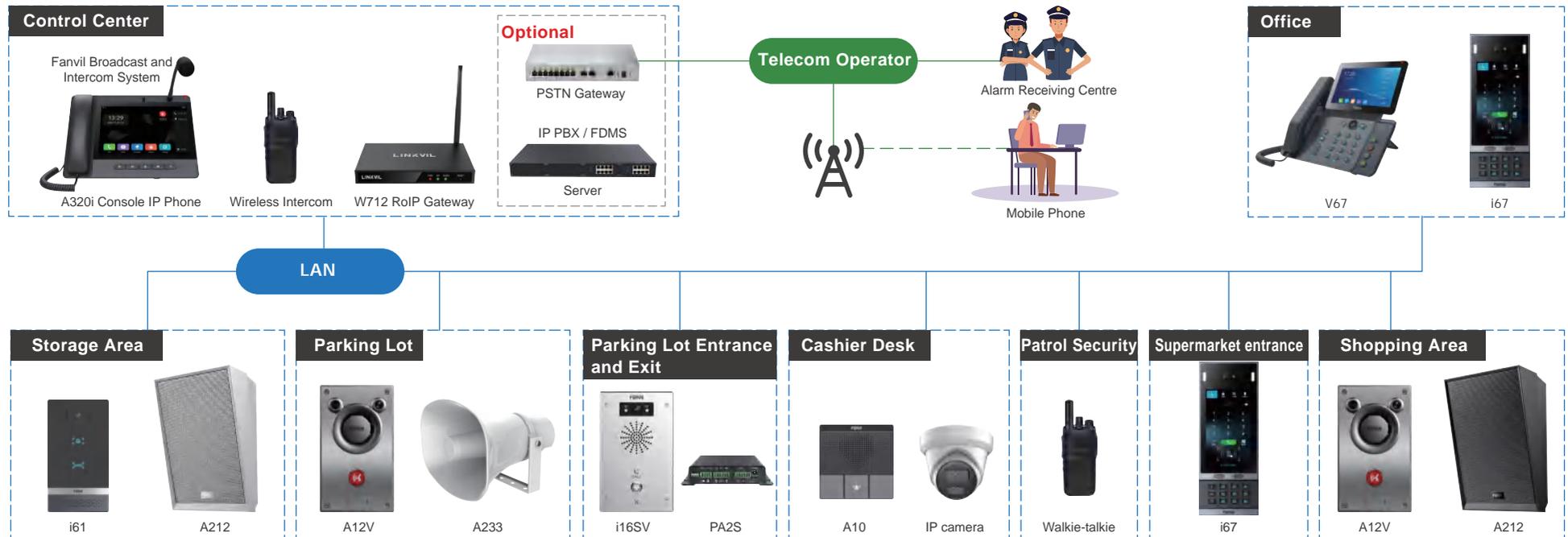
Using IP speakers, intercom terminals, and wireless intercoms, information is promptly delivered to customers and employees, streamlining daily operations and enhancing overall operational efficiency.

Functional Integration, Reduced Investment Costs

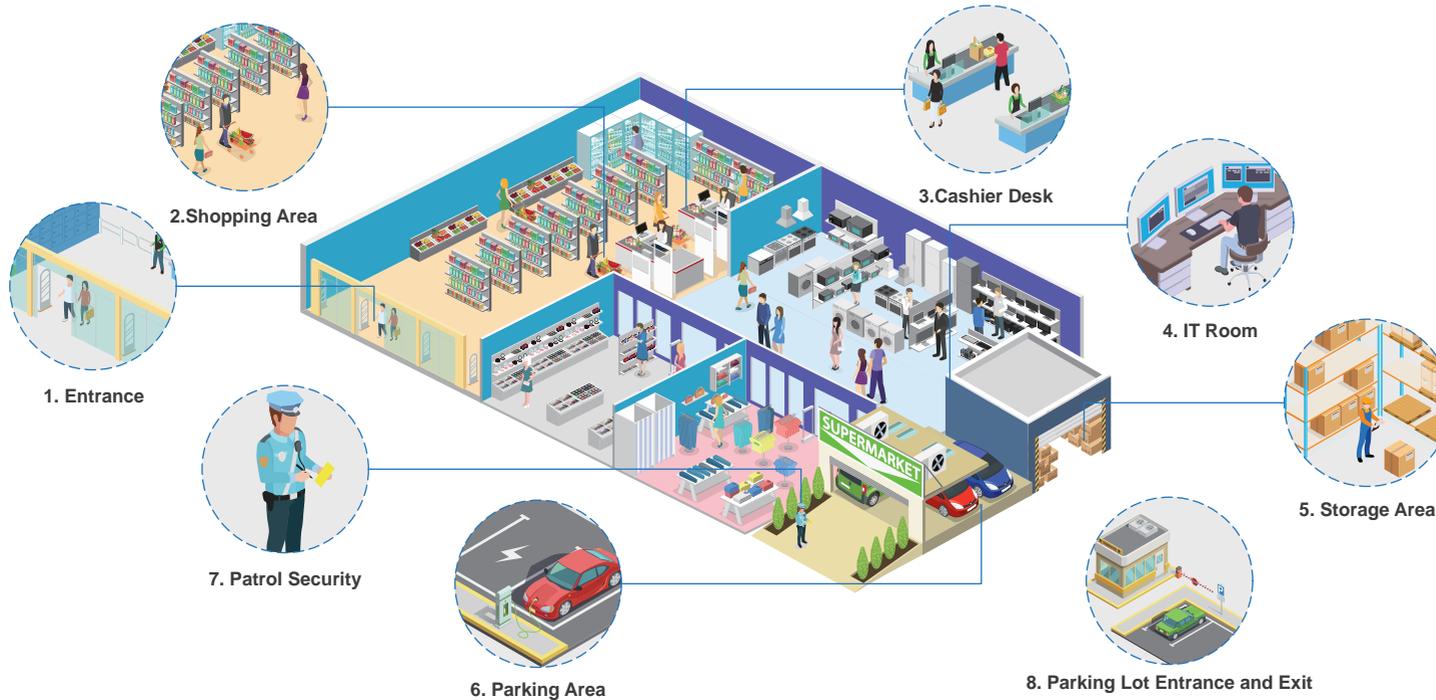
By integrating access control, intercom, broadcasting, surveillance, and wireless intercom systems into one solution, it saves on investment and enables efficient collaboration in emergencies, enhancing safety for both employees and customers.



Solution Topology Diagram



Application Scenario



Related Products



1. Entrance

During non-business hours, the facial recognition access control system effectively manages personnel entry and exit, ensuring the safety of both company assets and employees.



2. Shopping Area

The IP speaker can deliver promotional information or emergency notifications to employees or customers.



3. Cashier Desk

In an emergency, cashiers can use the intercom terminal to trigger a silent alarm and quickly receive help.



4. IT Room

The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.



5. Storage Area

Installing a video access control system can effectively manage personnel access to the warehouse, ensuring the security of critical areas



6. Parking Area

The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.



7. Patrol Security

Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.



8. Parking Lot Entrance and Exit

By installing a video intercom terminal, you can see and hear the person initiating the call for help.

Parking Lot Solution

The parking lot solution deploys intercom terminals and IP speakers to effectively address issues like barrier gate malfunctions and vehicle collisions, enhancing communication efficiency and improving service quality.

Solution Value

Functional Integration, Efficient Collaboration
 This solution integrates multiple functions, including access control, public broadcasting, emergency intercom, telephony, wireless intercom, conference calling, and video surveillance, fully meeting the security management and communication needs of the parking lot.

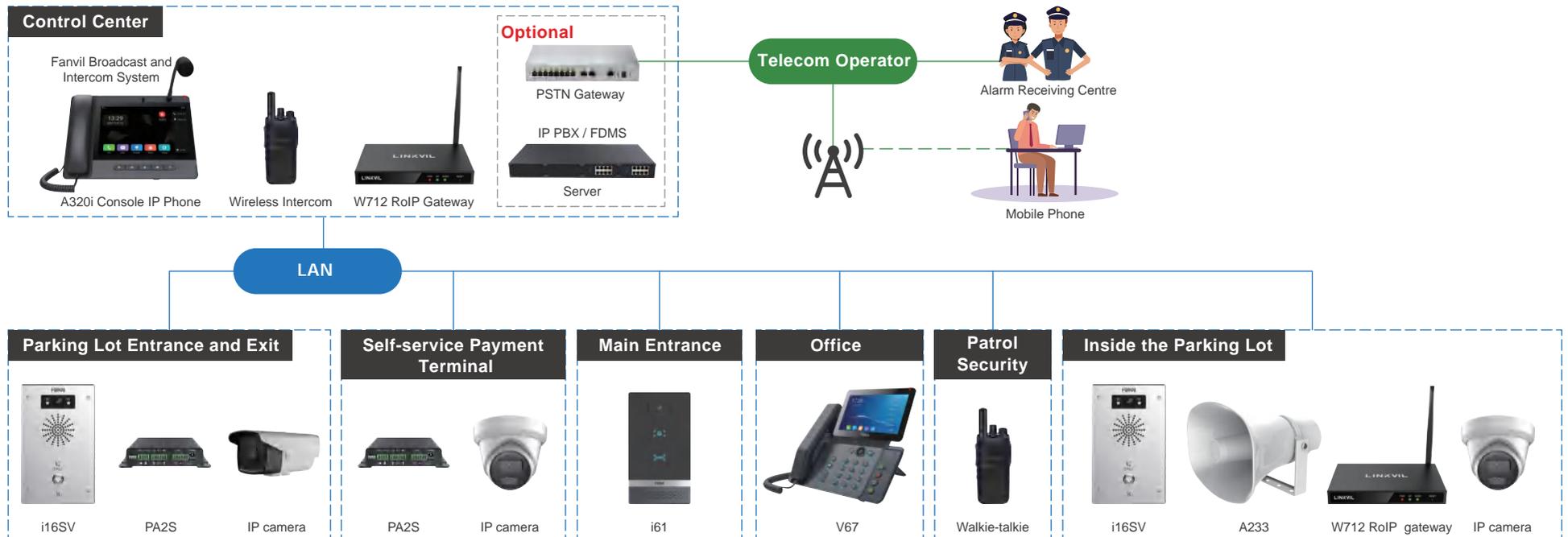
Stable, Reliable and Durable
 The terminal is designed to withstand extreme temperatures, dirt, noise, and damage, making it suitable for harsh environments and ensuring long-term, reliable performance.

Clear Voice Transmission, Smooth Communication
 The solution offers exceptional voice quality, ensuring clear sound transmission in high-noise environments, enabling smooth communication among employees.

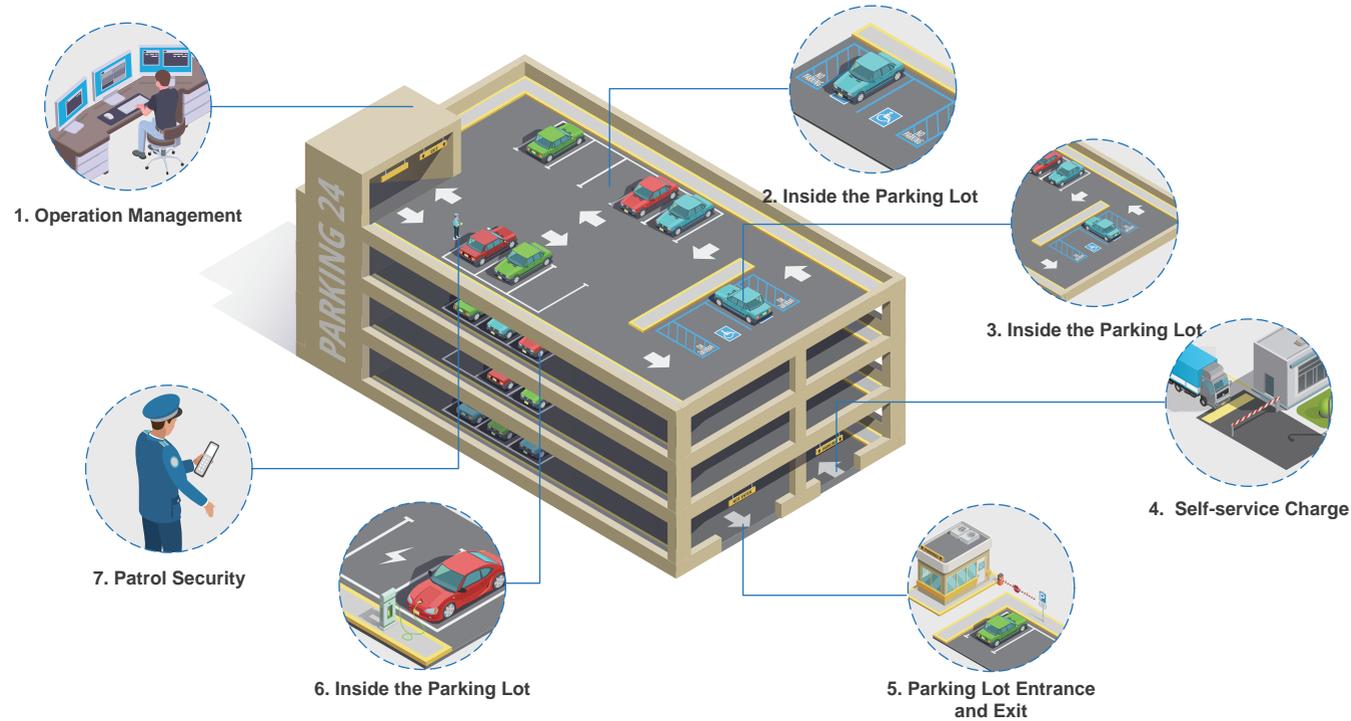
Instant Information Delivery, Enhancing Communication Efficiency
 By using IP speakers, intercom terminals, and wireless intercoms, information can be quickly delivered to employees or drivers, streamlining operations and improving overall communication efficiency.



Solution Topology Diagram



Application Scenario



Related Products



1. Operation Management
The A3201 video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.



2. Inside the Parking Lot
The intercom terminal features both broadcasting and intercom functions, offering drivers and employees daily work information or emergency assistance.



3. Inside the Parking Lot
The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.



4. Self-service Charge
Intercom gateway is embedded in the self-service toll-collection machine to achieve high definition intercom



5. Parking Lot Entrance and Exit
By installing a video intercom terminal, you can see and hear the person initiating the call for help.



5. Parking Lot Entrance and Exit
The intercom gateway is installed within the parking equipment, allowing clear audio and video of the person requesting assistance when the intercom is activated.



6. Inside the Parking Lot
Deploy a wireless intercom gateway within the parking lot to enable seamless integration between the wireless intercom and broadcast intercom systems.



7. Patrol Security
Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.

Warehousing and Logistics Solution

The warehouse logistics solution integrates multiple functions, including access control, intercom, telephony, broadcasting, and video surveillance, to strengthen internal communication and improve collaboration efficiency. This solution not only saves equipment investment but also enhances situational awareness and reduces labor costs. With real-time monitoring and efficient communication management, it ensures a safe working environment, safeguarding both personnel and assets.

Solution Value

One-touch Call, Quick Response
The control center can quickly respond to customer needs through intercom terminals, improve service quality and improve customer experience

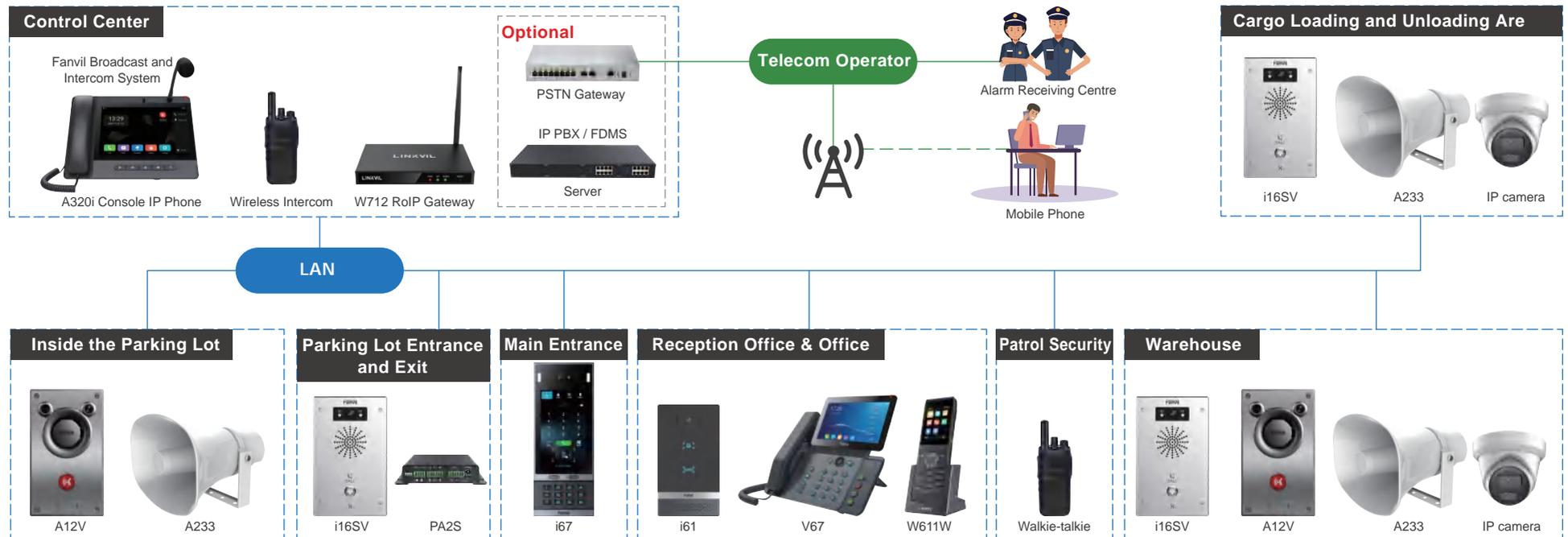
Enhance Situational Awareness, Reduce Labor Costs
The intercom and broadcast terminals support the ONVIF protocol, enabling easy integration with monitoring VMS. This allows the control center to achieve comprehensive situational awareness in warehouse management, reducing labor costs.

Timely Information Transmission, Improve Operational Efficiency
By using IP speakers, intercom terminals, and wireless walkie-talkies, information is quickly communicated to customers and employees, streamlining daily management processes and enhancing overall operational efficiency.

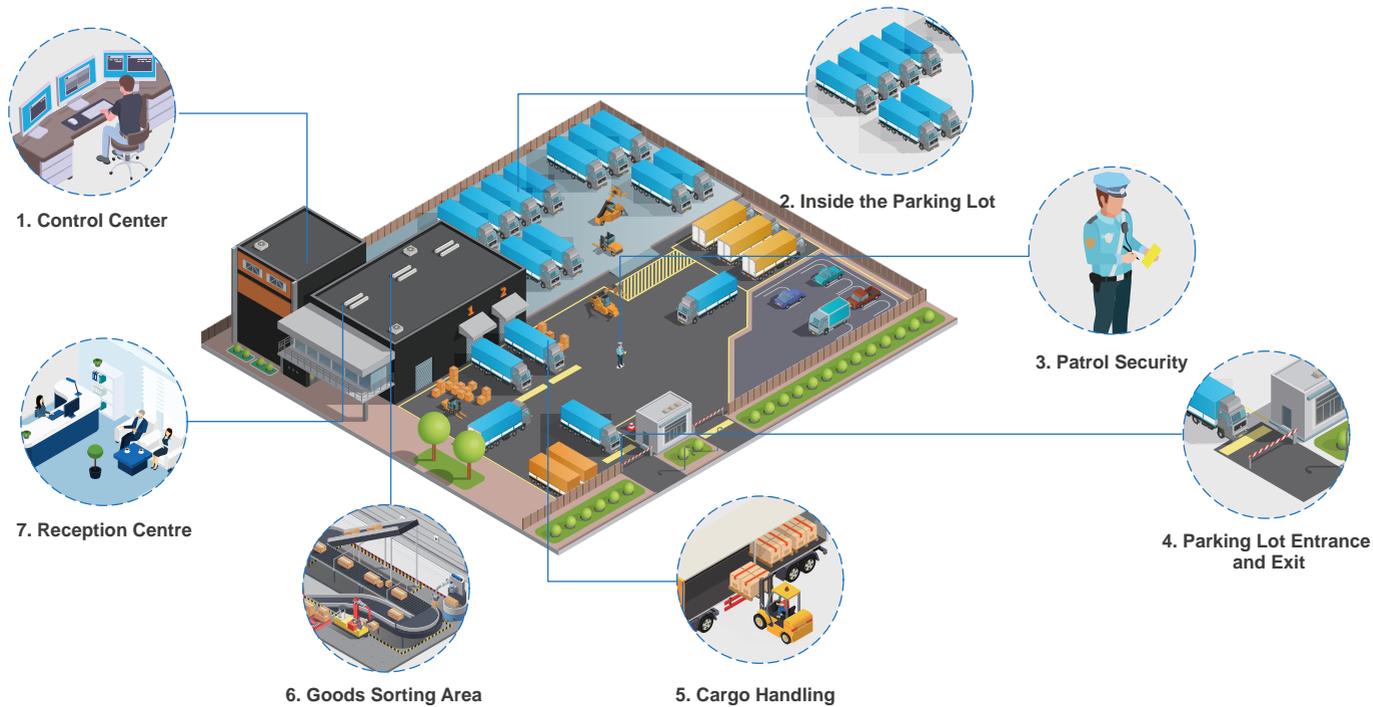
Functional integration, reduced investment costs
This solution integrates phone, intercom, public address, and video surveillance into a single system, saving investment while improving efficiency. In emergency situations, it enables efficient collaboration, providing stronger security for customers.



Solution Topology Diagram



Application Scenario



Related Products



1. Control Center
The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.



2. Inside the Parking Lot
The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.



3. Patrol Security
Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.



4. Parking Lot Entrance and Exit
By installing a video intercom terminal, you can see and hear the person initiating the call for help.



4. Parking Lot Entrance and Exit
The intercom gateway is installed within the parking equipment, allowing clear audio and video of the person requesting assistance when the intercom is activated.



5. Cargo Handling
The intercom terminal features both broadcasting and intercom functions, offering drivers and employees daily work information or emergency assistance..



6. Goods Sorting Area
The IP horn in the sorting area provides employees with daily work information or emergency notifications.



7. Reception Centre
Internal communication is enabled through IP phones.

Economy Hotel Solution

The hotel solution integrates a range of functions, including telephony, video door access, emergency intercom, public broadcasting, wireless intercom, conference calling, and video surveillance. This helps hotels reduce equipment investment, streamline daily operations, and enhance collaboration efficiency. The internal communication system enables hotel staff to quickly respond to guest requests, deliver high-quality service, and improve the guest experience. Additionally, the solution strengthens access control for both personnel and vehicles, enhancing overall security and effectively protecting hotel staff and property.

Solution Value

Internal Communication, Quick Response

Using guest room phones, bathroom phones, and intercom terminals, the control center can quickly respond to customer needs, enhancing service quality and improving customer experience.

Timely Information Delivery, Improved Operational Efficiency

By using IP speakers, intercom terminals, and wireless walkie-talkies, information is quickly communicated to customers and employees, streamlining daily management processes and enhancing overall operational efficiency.

Video Access Control, Enhanced Security management

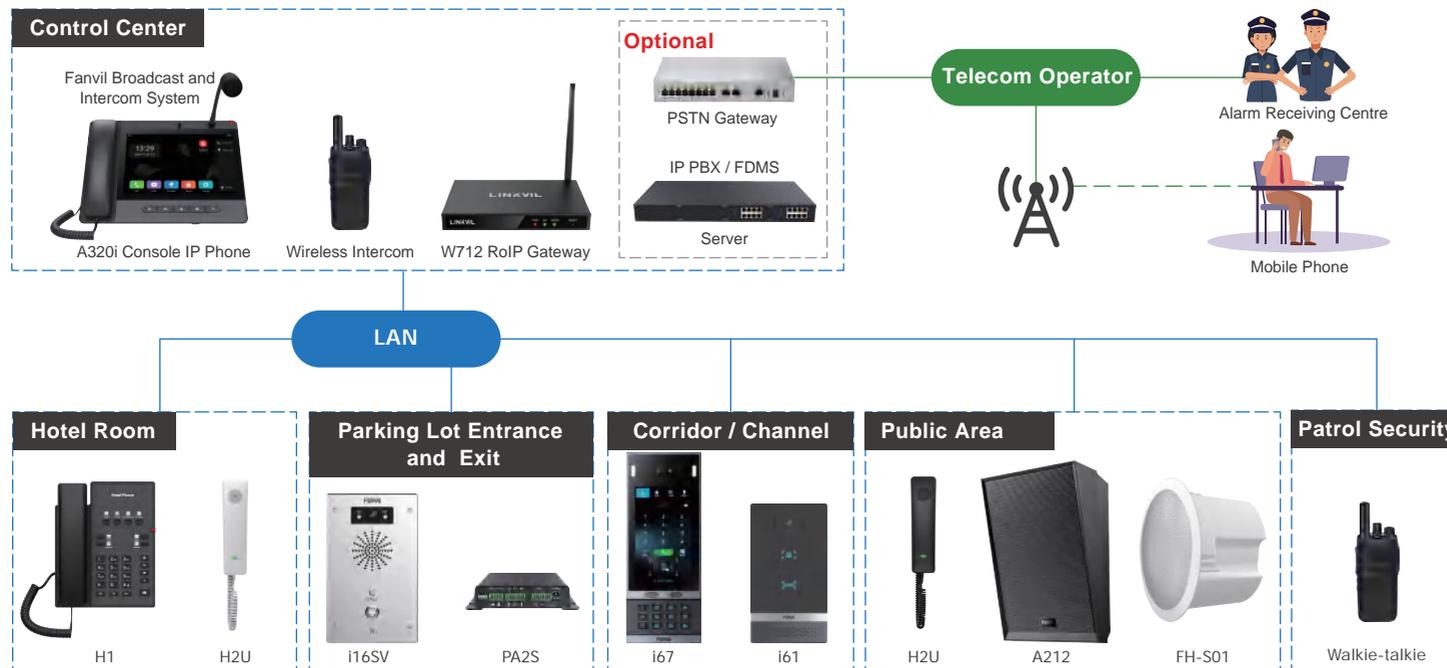
By installing video access control systems in key areas, property and personal safety are effectively protected, enabling a comprehensive upgrade in security management.

Functional Integration, Reduced Investment Costs

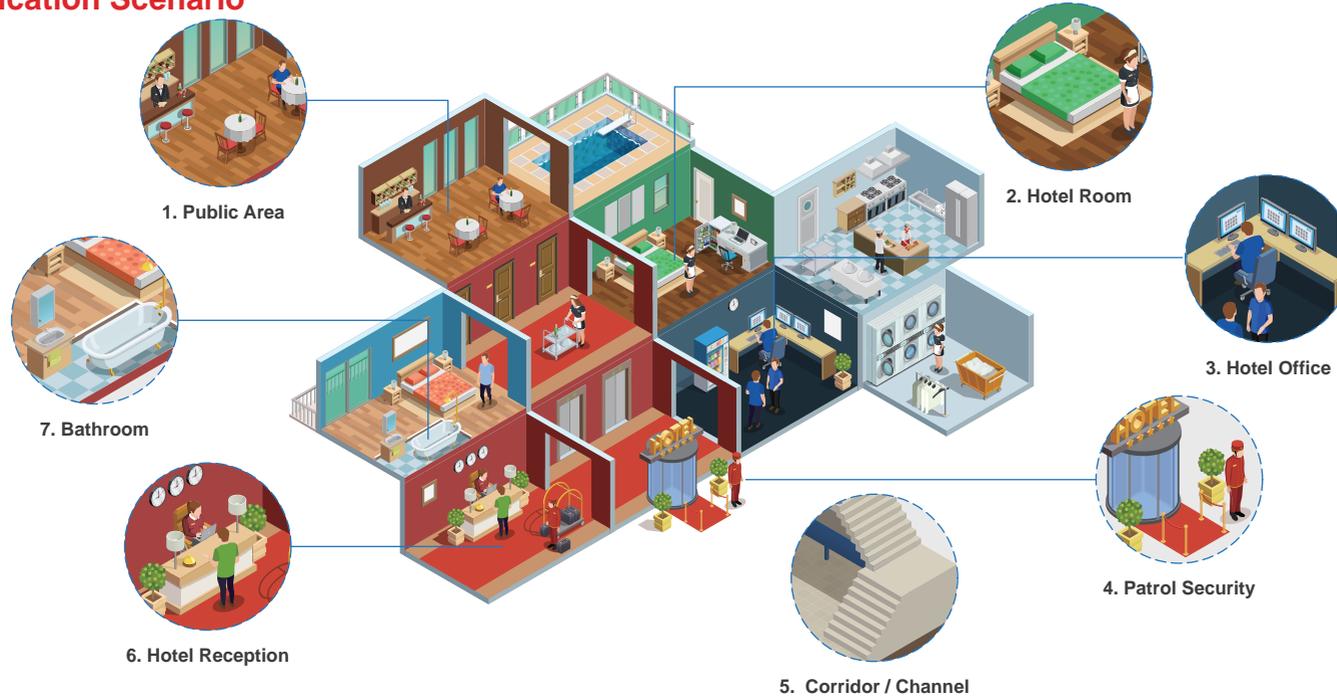
This solution integrates phone, intercom, public address, and video surveillance into a single system, saving investment while improving efficiency. In emergency situations, it enables efficient collaboration, providing stronger security for customers.



Solution Topology Diagram



Application Scenario



Related Products



1. Public Area

The IP ceiling speaker can provide residents or employees with emergency information.



2. Hotel room

The hotel phone system allows internal extensions to call each other and provides one-touch dialing to the front desk.



3. Hotel office

Internal communication at the hotel can be streamlined through IP video phones, enabling functions such as communication, video conferencing, video surveillance viewing, and remote door control



4. Patrol Security

Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.



5. Corridor / Channel

Installing a video intercom system in the corridors and emergency exits helps strengthen the hotel's security management.



6. Hotel Reception

The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.



7. Bathroom

Using the bathroom phone, guests can make internal calls between rooms and contact the front desk with a single button.



8. Parking Lot Entrance and Exit

By installing a video intercom terminal, you can see and hear the person initiating the call for help.

Enterprise Solution

The enterprise solution creates an efficient internal communication platform, significantly improving communication and team collaboration. It integrates various functions, including telephone communication, access control, broadcast notifications, emergency intercom, and video surveillance, optimizing internal resource allocation and effectively reducing investment costs. The application of the video access control system further strengthens security management in key areas, providing enhanced protection for company assets and employees.

Solution Value

Functional integration, Cost Savings
This solution integrates phone, intercom, broadcasting, and video surveillance into one system, saving investment while improving efficiency. It effectively meets the security management and communication needs of businesses.

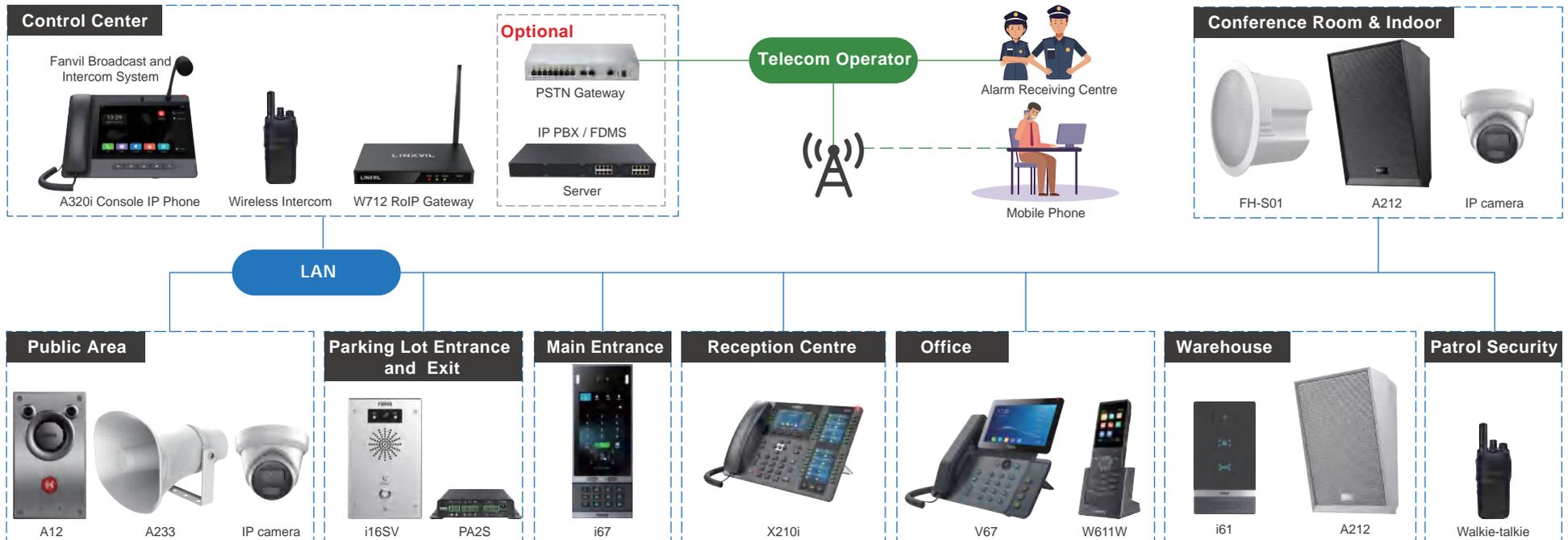
Video Access Control, Enhanced Security Management
By installing video access control systems in key areas, property and personal safety are effectively protected, enabling a comprehensive upgrade in security management

Enhance Situational Awareness, Reduce Labor Costs
The intercom and broadcast terminals support the ONVIF protocol, enabling easy integration with monitoring VMS. This allows the control center to achieve comprehensive situational awareness in warehouse management, reducing labor costs.

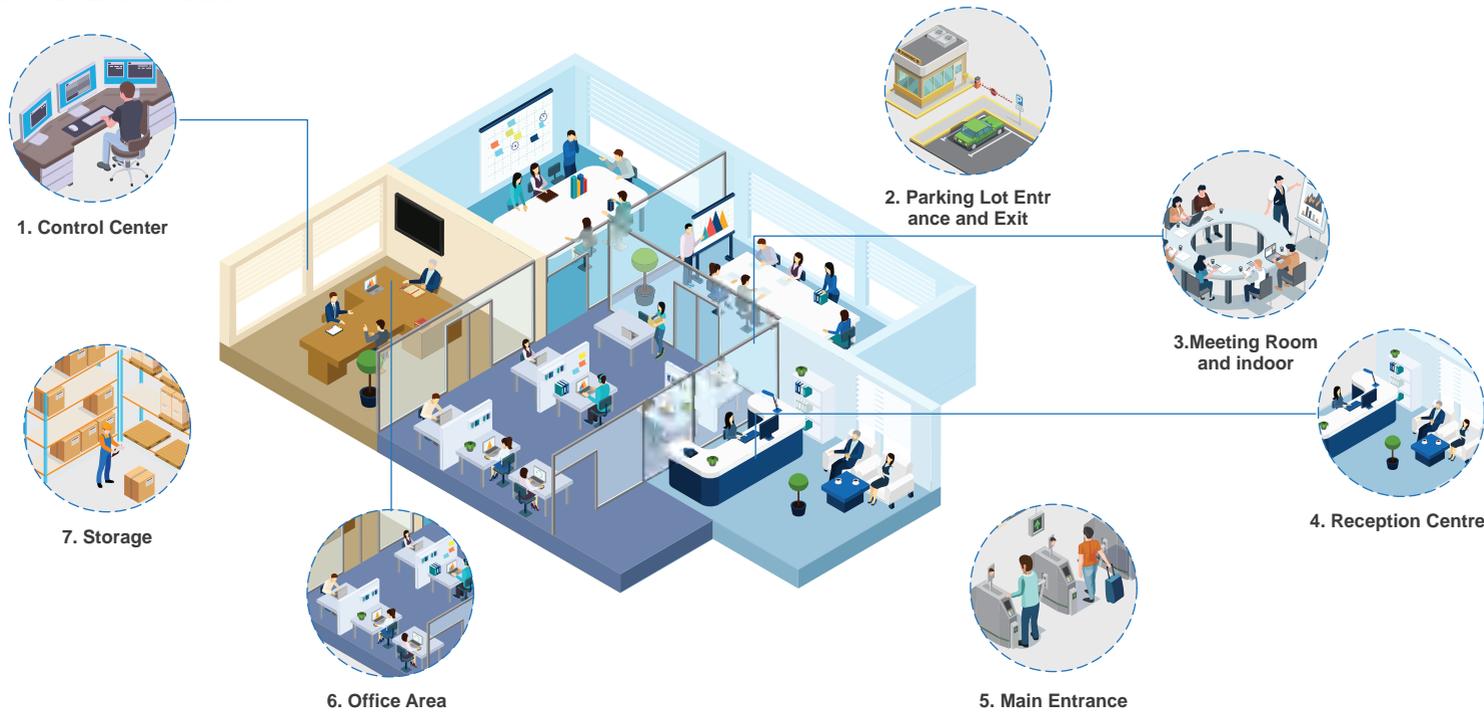
Timely Information Delivery, Enhances Work Efficiency
Using IP speakers, IP phones, and wireless intercoms to promptly relay information to employees simplifies daily operations and enhances work efficiency.



Solution Topology Diagram



Application Scenario



Related Products



1. Control Center
The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.



2. Parking Lot Entrance and Exit
By installing a video intercom terminal, you can see and hear the person initiating the call for help.



2. Parking Lot Entrance and Exit
The intercom gateway is installed within the parking equipment, allowing clear audio and video of the person requesting assistance when the intercom is activated..



3.Meeting Room and Indoor
The IP ceiling speaker is easy to install and suitable for indoor office environments.



4. Reception centre
The X210 phone expansion board features a screen and physical buttons, making it easy to quickly transfer calls or contact internal staff.



5. Main Entrance
Installing a video door access system at the main entrance allows you to clearly see visitors, effectively enhancing the security management of your business



6. Office Area
Deploying IP phones in the office area improves internal communication efficiency and enhances collaboration among employees



7. Storage
The IP speaker can deliver daily work information or emergency notifications to employees.

Residential Solution

The residential solution creates an efficient internal communication platform that significantly enhances communication and teamwork. The solution integrates various functions, including telecommunication, access control, broadcast notifications, emergency intercom, and video surveillance, effectively consolidating resources within the residential area and reducing investment costs. Particularly, the application of the video access control system further strengthens security monitoring in key areas, providing a stronger safety guarantee for both property and residents.

Solution Value

Internal Communication, Efficient Collaboration

By utilizing office phones, video door access systems, mobile communication terminals, and intercom devices, an efficient internal communication system is established. This improves communication efficiency between visitors, residents, and property management, fostering collaboration among all parties.

Timely Information Delivery, Improved Work Efficiency

By using IP speakers, IP phones, and wireless intercoms, information is quickly delivered to employees. The integration of audio and video solutions simplifies daily operations in the community, enhancing overall efficiency.

Functional integration, Save Investment

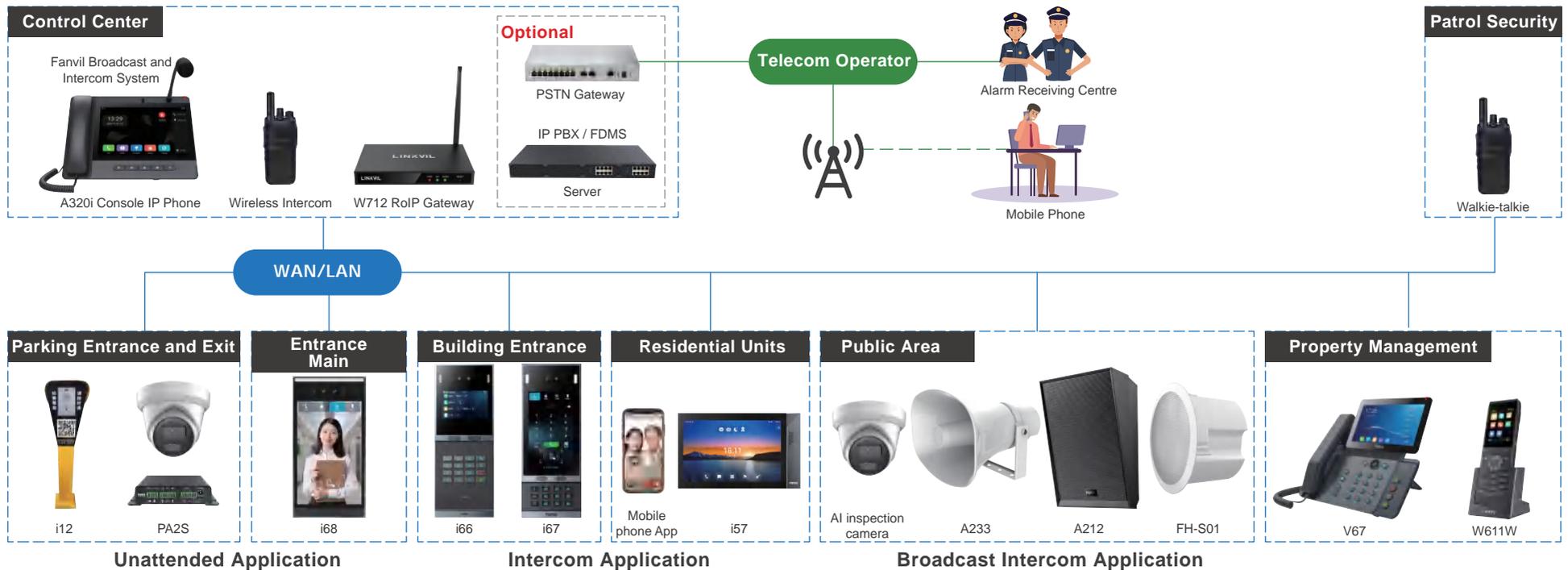
The solution integrates phone systems, access control, public broadcasting, emergency intercom, wireless intercom, conference calling, and video surveillance into one unified platform, meeting the security management and communication needs of residential properties while saving on initial investment costs.

Facial Recognition Access Control, Upgraded Security Management.

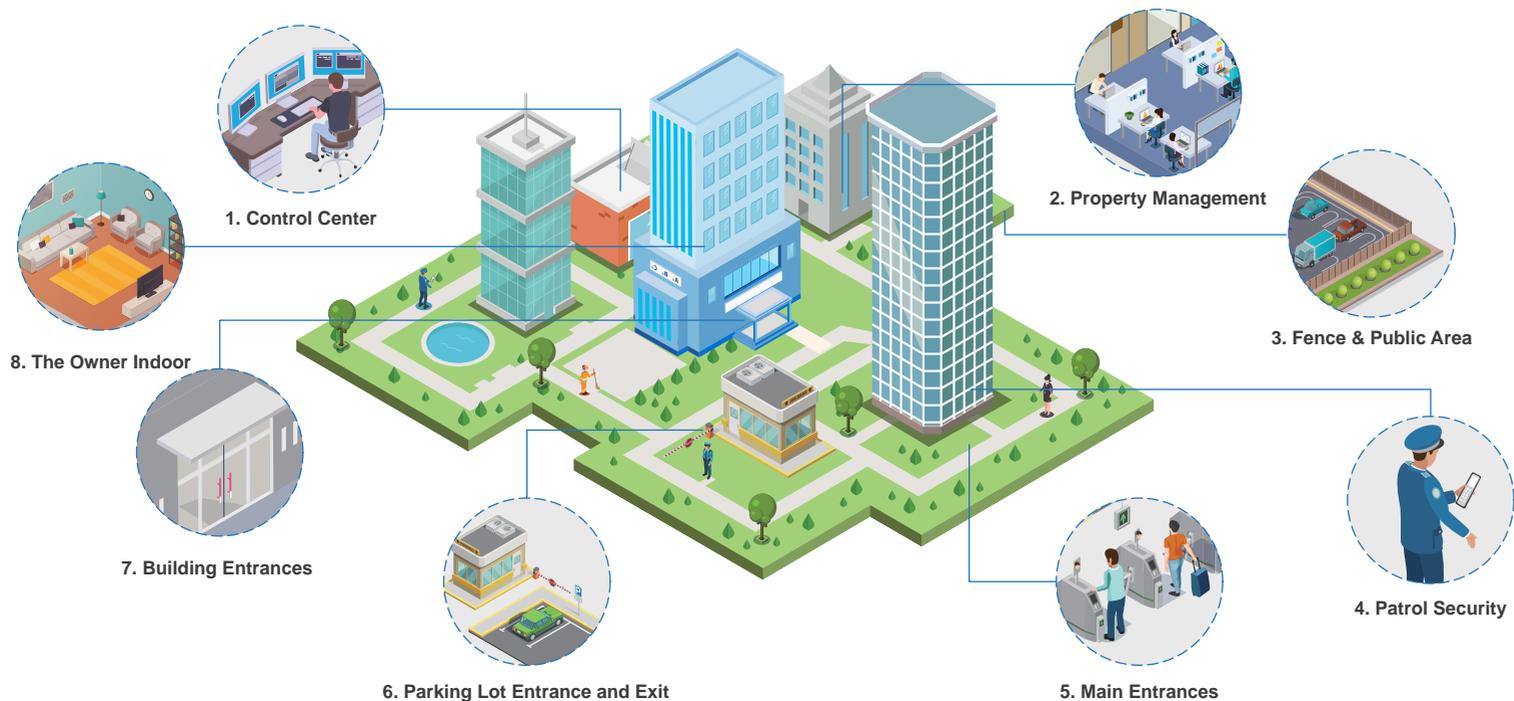
Install facial recognition video access control at key security areas, such as main entrances, to enable quick access for residents, ensuring the safety of property and personnel while achieving an upgrade in security management.



Solution Topology Diagram



Application Scenario



Related Products



1. Control Center
The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.



2. Property Management
Property management uses IP phones to improve internal communication efficiency and effectively reduce communication costs



3. Fence & Public Area
The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.



4. Patrol Security
Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.



5. Main Entrance
The pedestrian access gate is equipped with facial recognition access control, allowing for fast passage and enabling one-click calling to the control center for remote authorization.



6. Parking Lot Entrance and Exit
By installing a video intercom terminal, you can see and hear the person initiating the call for help.



7. Building Entrance
The facial recognition video door entry system supports multiple access methods, including facial recognition, passwords, and IC cards. It also allows video calls with indoor units and features a one-touch call to the control center



8. The Owner Indoor
With the indoor unit, you can have video calls with visitors and remotely authorize door access. It also supports features like access control video monitoring, smart home control, and security alarms



Fanvil Technology Co., Ltd

Add: 10/F Block A, Dualshine Global Science Innovation Center, Honglang North 2nd Road, Bao'an District, Shenzhen, China

Tel: +86-755-2640-2199 Fax: +86-755-2640-2618

Email: sales@fanvil.com support@fanvil.com

Web: www.fanvil.com.cn

2024-12-EN-V1.0