

# Fanvil Broadcast and Intercom System

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



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## 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.

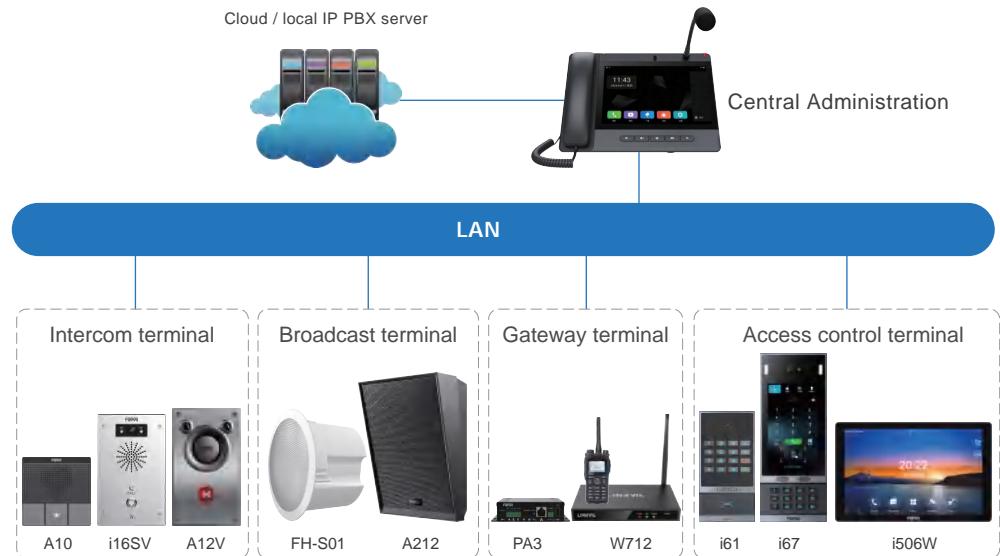
Adhering to the core values of Efficient, Team Work, Integrity, Positive and Enterprising, Fanvil is committed to providing high-quality A&V-IoT devices, and building an intelligent world of infinite communication.



## 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	Seamless Integration	Flexible Expansion	Easy to Deploy	Easy to Operate	Functional Fusion
Accurate pick up sound Background noise reduction Non-destructive sound quality broadcast	Adopt open standards Connect right out of the box Achieve seamless integration	Support 50 device access Flexible expansion of customers	Out of the box Save configuration and maintenance time	Graphic interface Easy to operate	public address, intercom, telephone Monitoring, meeting, and alarm And other multi-functional fusion

## System Function

 Audio Intercom, Video Intercom, Wireless Intercom

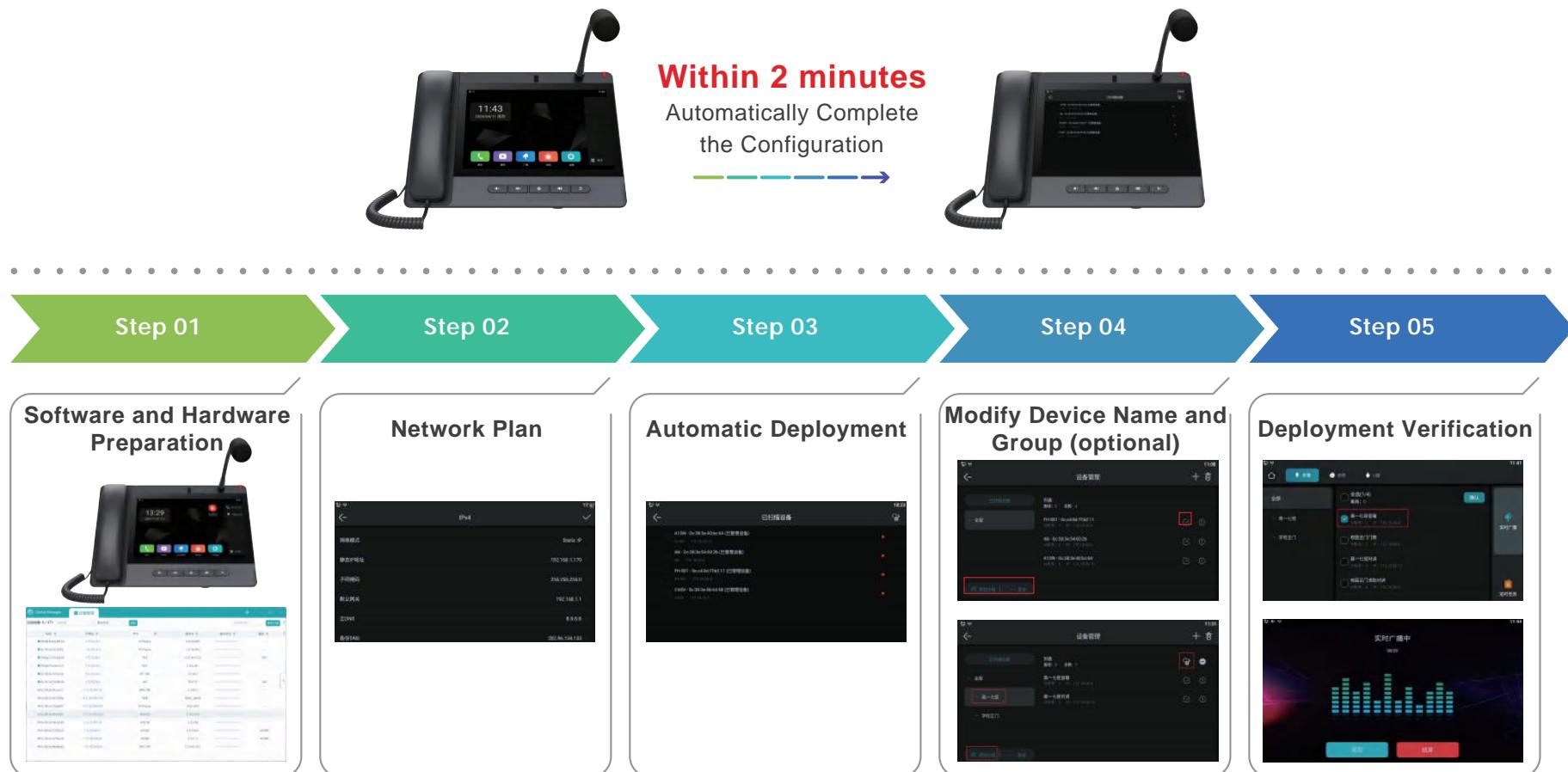
 Paging, Zone Broadcast, Scheduled Broadcast, Emergency Broadcast

 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**



**A320i Console IP Phone**  
(Built-in broadcast and intercom system)



## 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

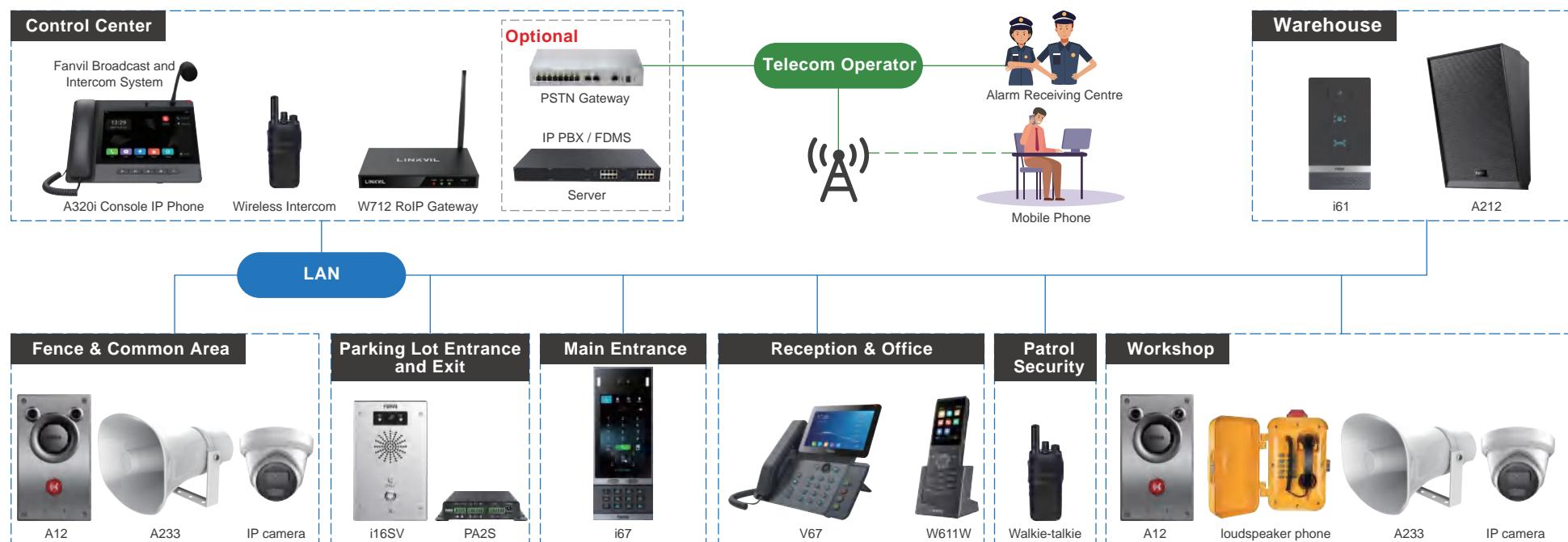
The audio and video terminals from Fanvil are designed to withstand harsh environments, including extreme temperatures, dirt, noise, and even damage, making them suitable for longterm use in environments such as coal mines, pipelines, highways, and factories.

#### Timely information delivery to improve productivity

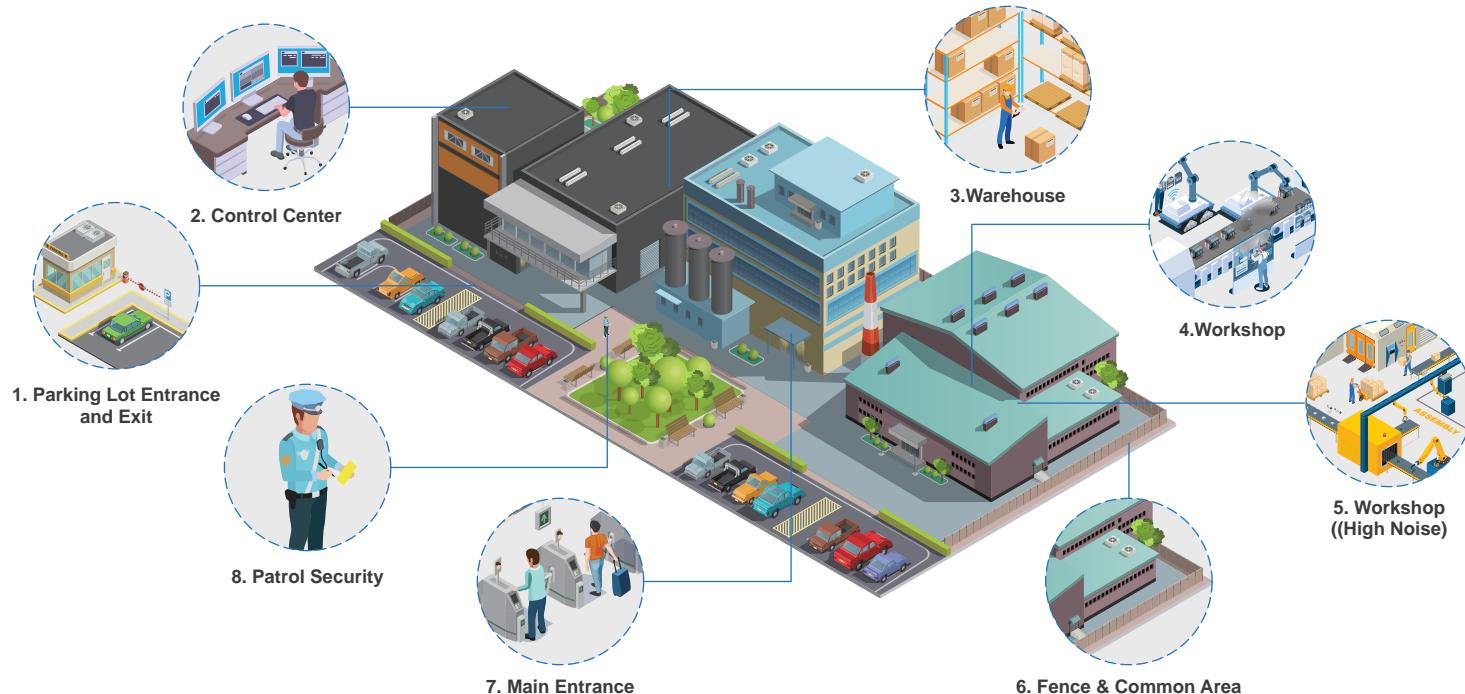
Using IP speakers, intercom terminals, and wireless walkie-talkies, information is promptly delivered to production line workers, streamlining daily operations and boosting productivity.



### Solution Topology Diagram



### Application Scenario



### Related Products

<p><b>1. Parking Lot Entrance and Exit</b> By installing a video intercom terminal, you can see and hear the person initiating the call for help</p>	<p><b>2. Control Center</b> The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.</p>	<p><b>3. Warehouse</b> The IP speaker can deliver daily work information or emergency notifications to employees.</p>	<p><b>4. Workshop</b> The intercom terminal combines both broadcasting and intercom functions, providing employees with daily work information or emergency assistance.</p>
<p><b>5. Workshop(High Noise)</b> 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.</p>	<p><b>6. Fence &amp; Common Area</b> The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.</p>	<p><b>7. Main Entrance</b> Installing a video door entry system allows you to clearly see the person at the door, significantly enhancing security management at your facility.</p>	<p><b>8. Patrol Security</b> Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.</p>

### 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

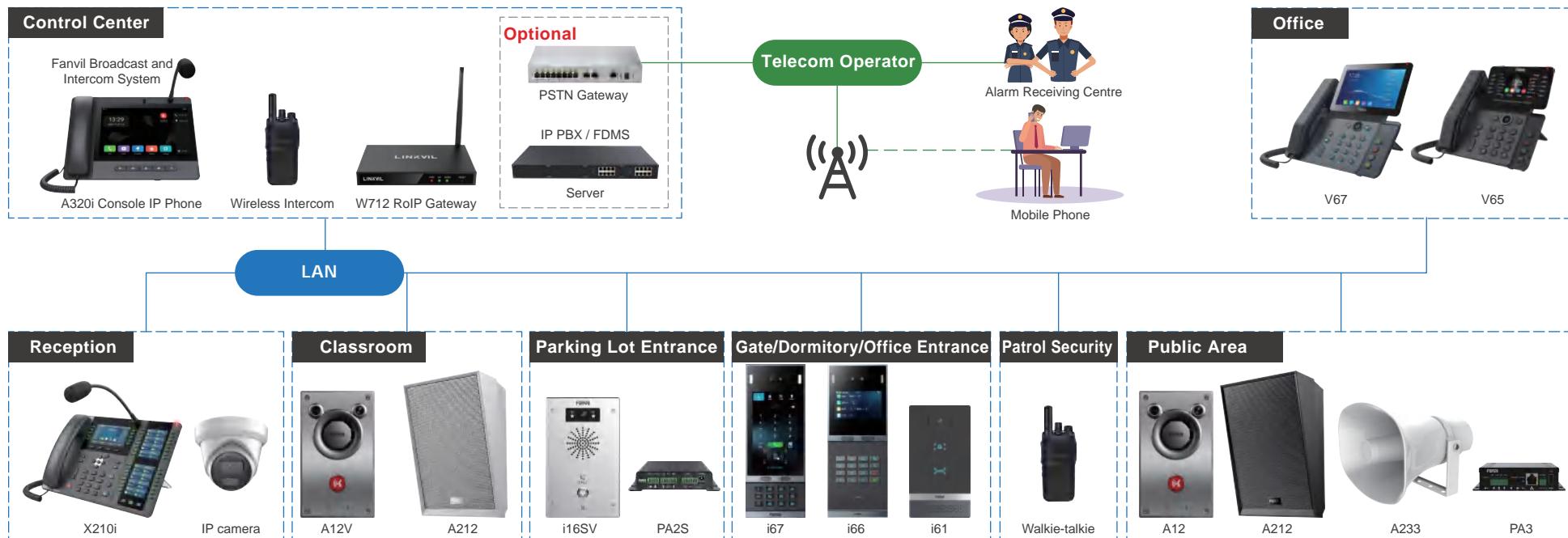
The intercom and environmental monitoring functions of the broadcast terminal enhance staff's awareness of their surroundings, enabling quick responses to on-site situations through voice communication.

#### Save Investment, Enhance Collaboration

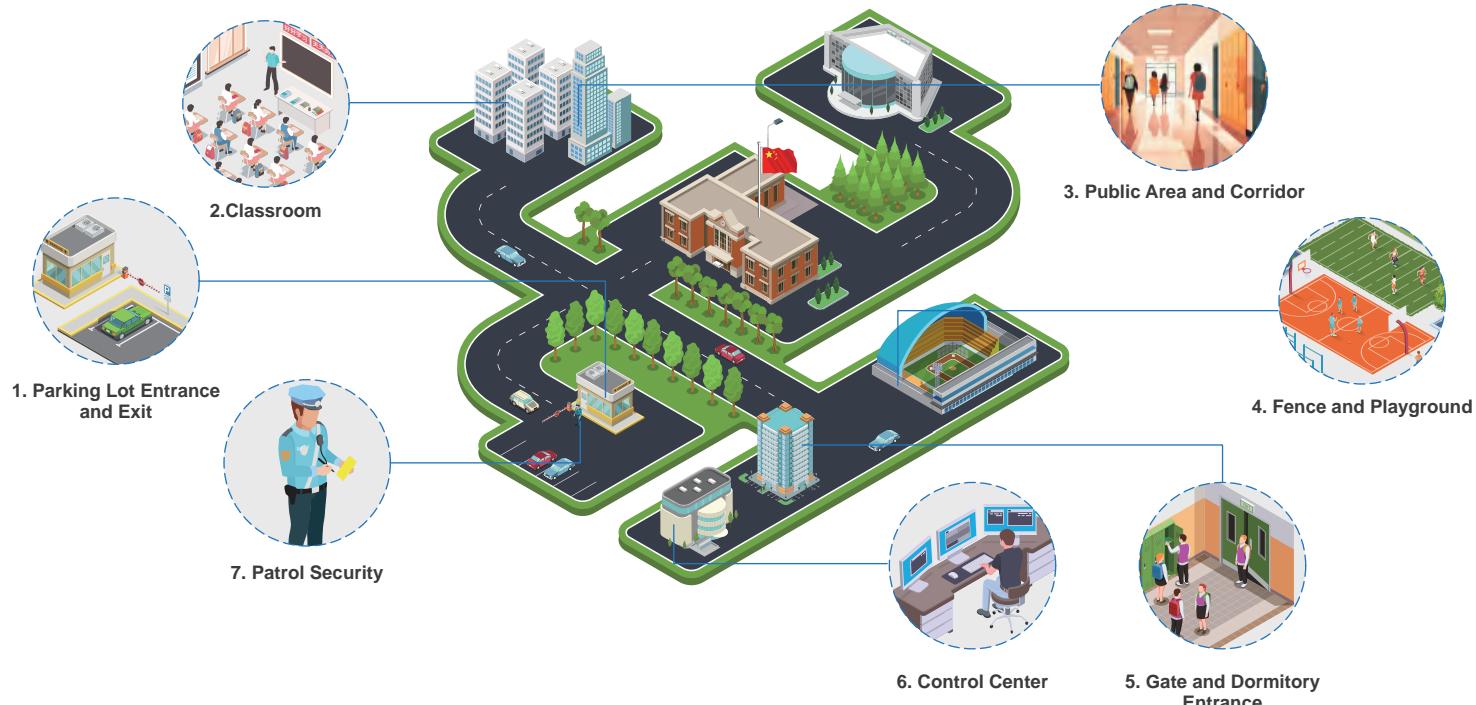
This solution integrates intercom, broadcasting, phone, and surveillance alarm systems into one, saving investment and improving efficiency. In emergencies, it enables efficient collaboration, providing enhanced protection for students and staff.



### Solution Topology Diagram



### Application Scenario



### Related Products

 <p><b>1. Parking Lot Entrance and Exit</b> By installing a video intercom terminal, you can see and hear the person initiating the call for help.</p>	 <p><b>2. Classroom</b> The IP speaker can deliver daily work information or emergency notifications to teachers and students.</p>	 <p><b>3. Public Area and Corridor</b> The intercom terminal combines both broadcasting and intercom functions, providing daily work information or emergency assistance for teachers and students.</p>
 <p><b>4. Fence and Playground</b> The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.</p>	 <p><b>5. Gate and Dormitory Entrance</b> Installing a video door phone allows you to clearly see the caller at the door, enhancing the security management of the campus and dormitories.</p>	 <p><b>6. Control Center</b> The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.</p>
 <p><b>7. Patrol Security</b> Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.</p>		

### 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

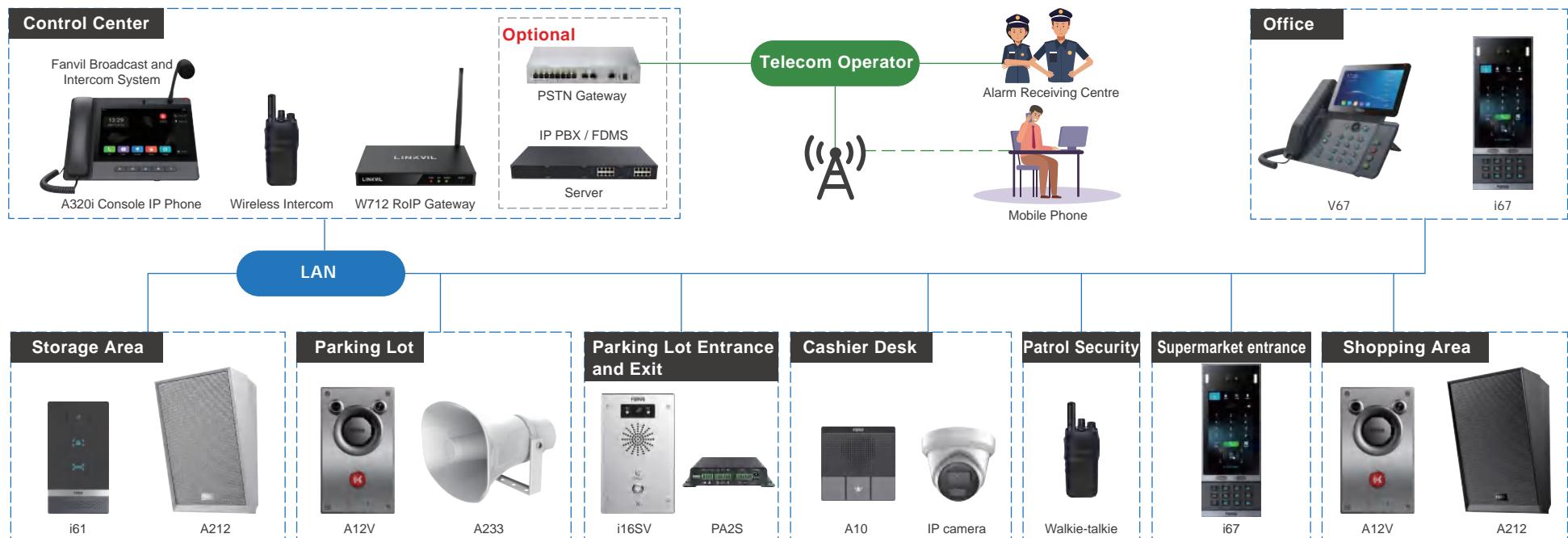
Using IP speakers, intercom terminals, and wireless intercoms, information is promptly delivered to customers and employees, streamlining daily operations and enhancing overall operational efficiency.

##### Functional Integration, Reduced Investment Costs

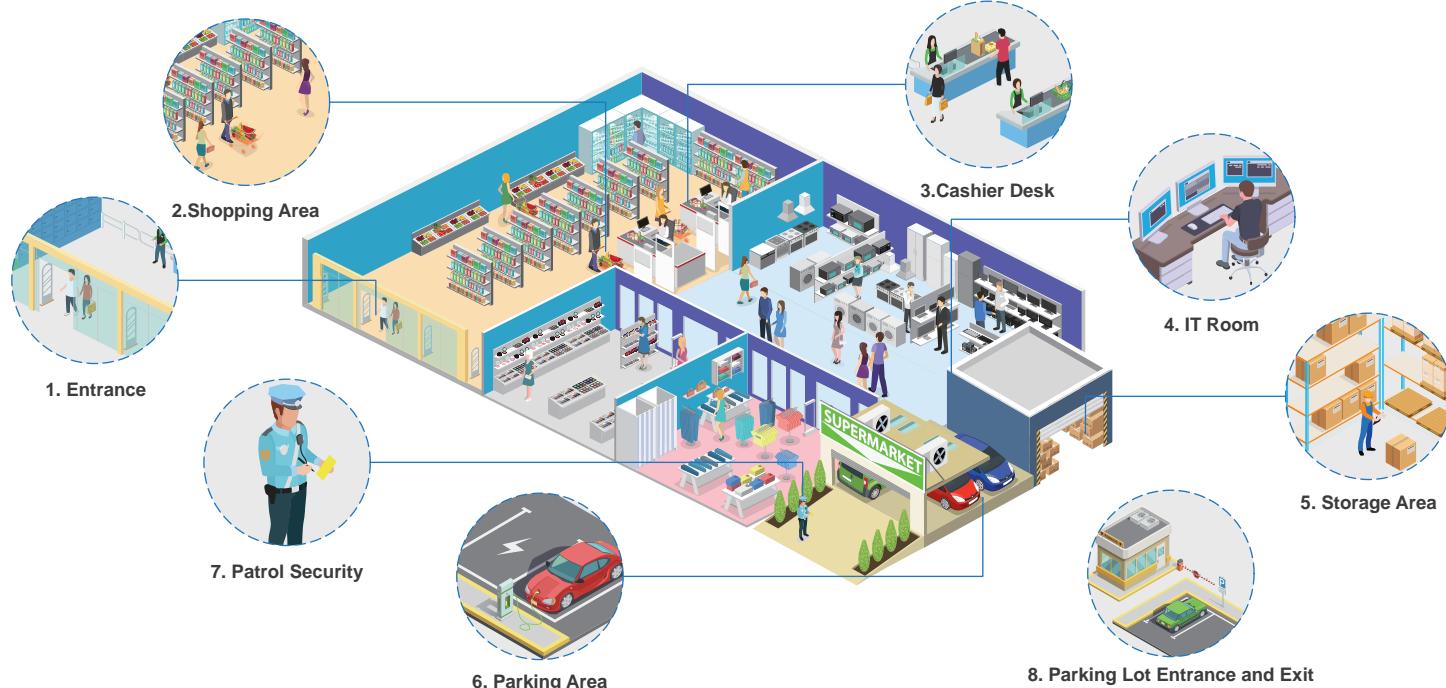
By integrating access control, intercom, broadcasting, surveillance, and wireless intercom systems into one solution, it saves on investment and enables efficient collaboration in emergencies, enhancing safety for both employees and customers.



### 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.

##### 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

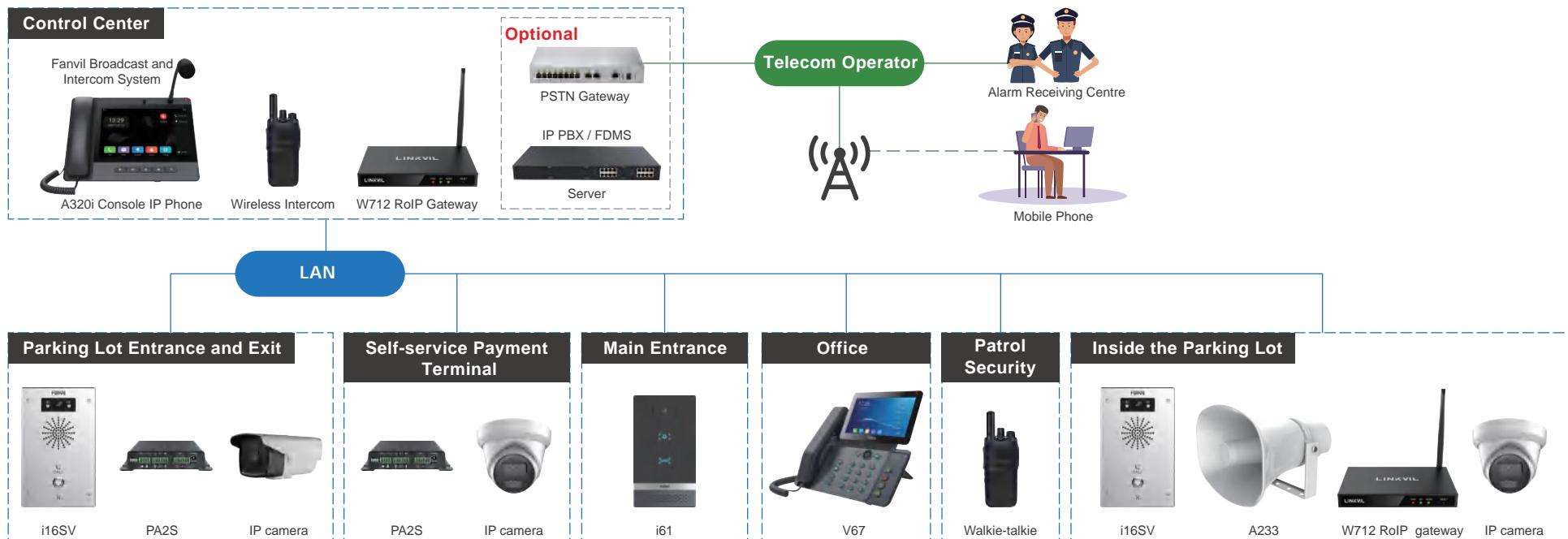
The terminal is designed to withstand extreme temperatures, dirt, noise, and damage, making it suitable for harsh environments and ensuring long-term, reliable performance.

##### Instant Information Delivery, Enhancing Communication Efficiency

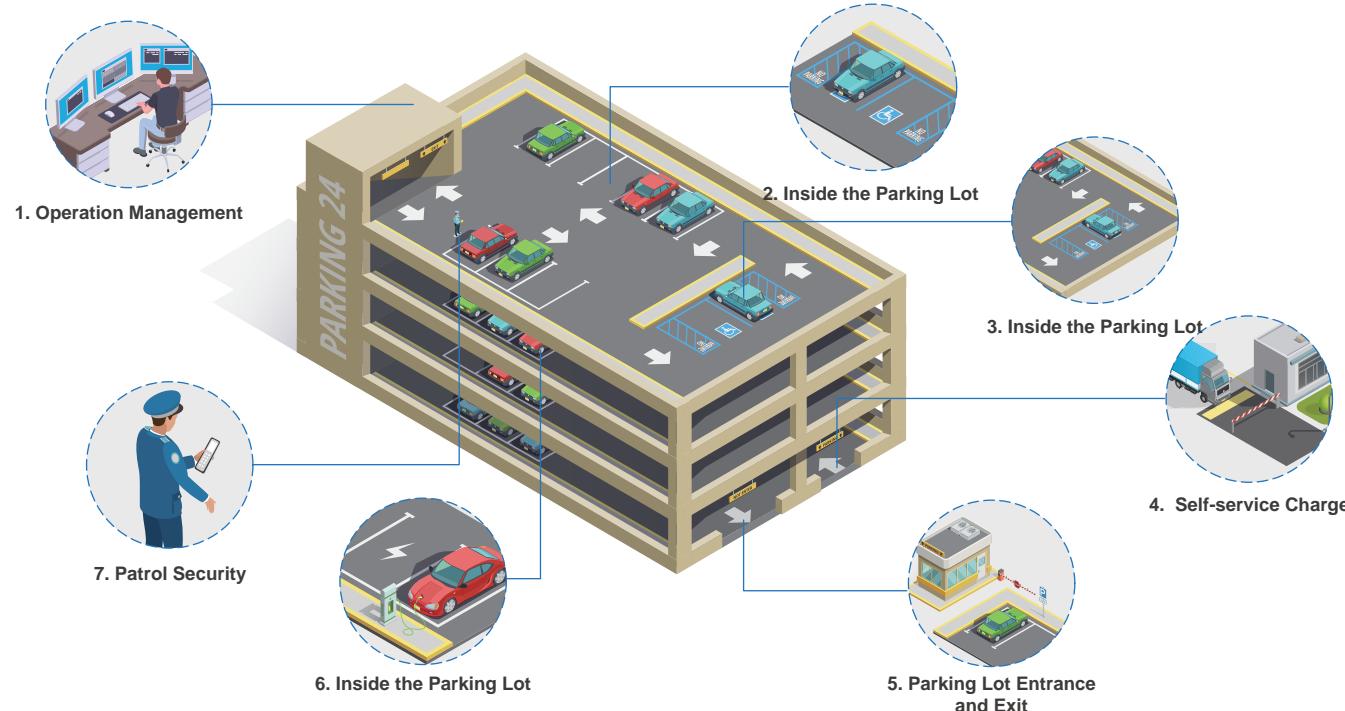
By using IP speakers, intercom terminals, and wireless intercoms, information can be quickly delivered to employees or drivers, streamlining operations and improving overall communication efficiency.



### Solution Topology Diagram



### Application Scenario



### Related Products

 <p><b>1. Operation Management</b> The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.</p>	 <p><b>2. Inside the Parking Lot</b> The intercom terminal features both broadcasting and intercom functions, offering drivers and employees daily work information or emergency assistance.</p>	 <p><b>3. Inside the Parking Lot</b> The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.</p>	 <p><b>4. Self-service Charge</b> Intercom gateway is embedded in the self-service toll-collection machine to achieve high definition intercom.</p>
 <p><b>5. Parking Lot Entrance and Exit</b> By installing a video intercom terminal, you can see and hear the person initiating the call for help.</p>	 <p><b>5. Parking Lot Entrance and Exit</b> The intercom gateway is installed within the parking equipment, allowing clear audio and video of the person requesting assistance when the intercom is activated.</p>	 <p><b>6. Inside the Parking Lot</b> Deploy a wireless intercom gateway within the parking lot to enable seamless integration between the wireless intercom and broadcast intercom systems.</p>	 <p><b>7. Patrol Security</b> Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.</p>

## 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

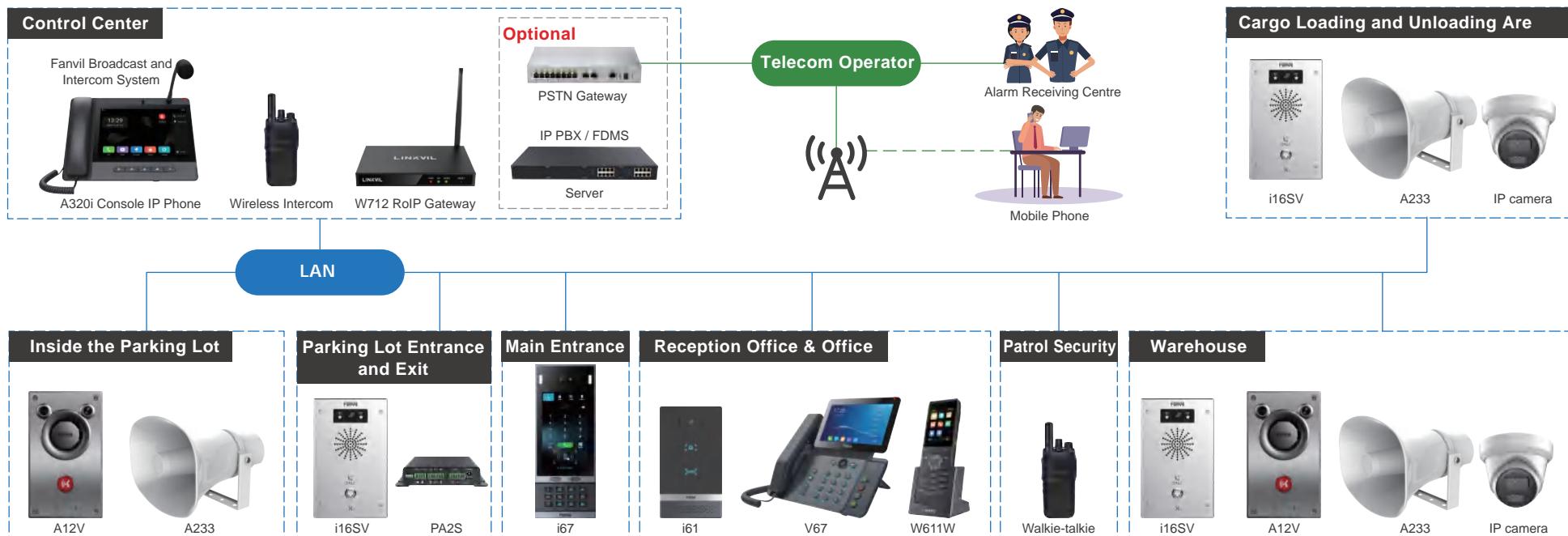
By using IP speakers, intercom terminals, and wireless walkie-talkies, information is quickly communicated to customers and employees, streamlining daily management processes and enhancing overall operational efficiency.

#### Functional integration, reduced investment costs

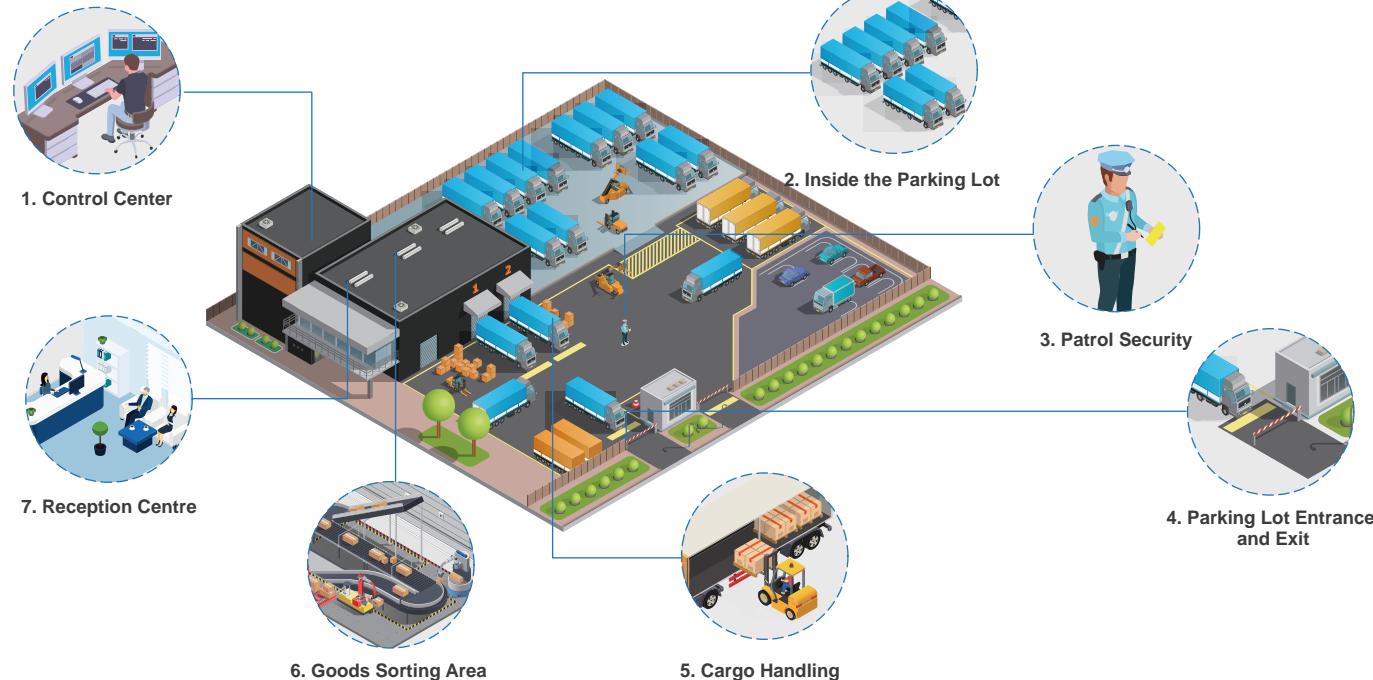
This solution integrates phone, intercom, public address, and video surveillance into a single system, saving investment while improving efficiency. In emergency situations, it enables efficient collaboration, providing stronger security for customers.



### Solution Topology Diagram



### Application Scenario



### Related Products

 <p><b>1. Control Center</b> The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.</p>	 <p><b>2. Inside the Parking Lot</b> The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.</p>	 <p><b>3. Patrol Security</b> Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.</p>	 <p><b>4. Parking Lot Entrance and Exit</b> By installing a video intercom terminal, you can see and hear the person initiating the call for help.</p>
 <p><b>4. Parking Lot Entrance and Exit</b> The intercom gateway is installed within the parking equipment, allowing clear audio and video of the person requesting assistance when the intercom is activated.</p>	 <p><b>5. Cargo Handling</b> The intercom terminal features both broadcasting and intercom functions, offering drivers and employees daily work information or emergency assistance..</p>	 <p><b>6. Goods Sorting Area</b> The IP horn in the sorting area provides employees with daily work information or emergency notifications.</p>	 <p><b>7. Reception Centre</b> Internal communication is enabled through IP phones.</p>

### 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

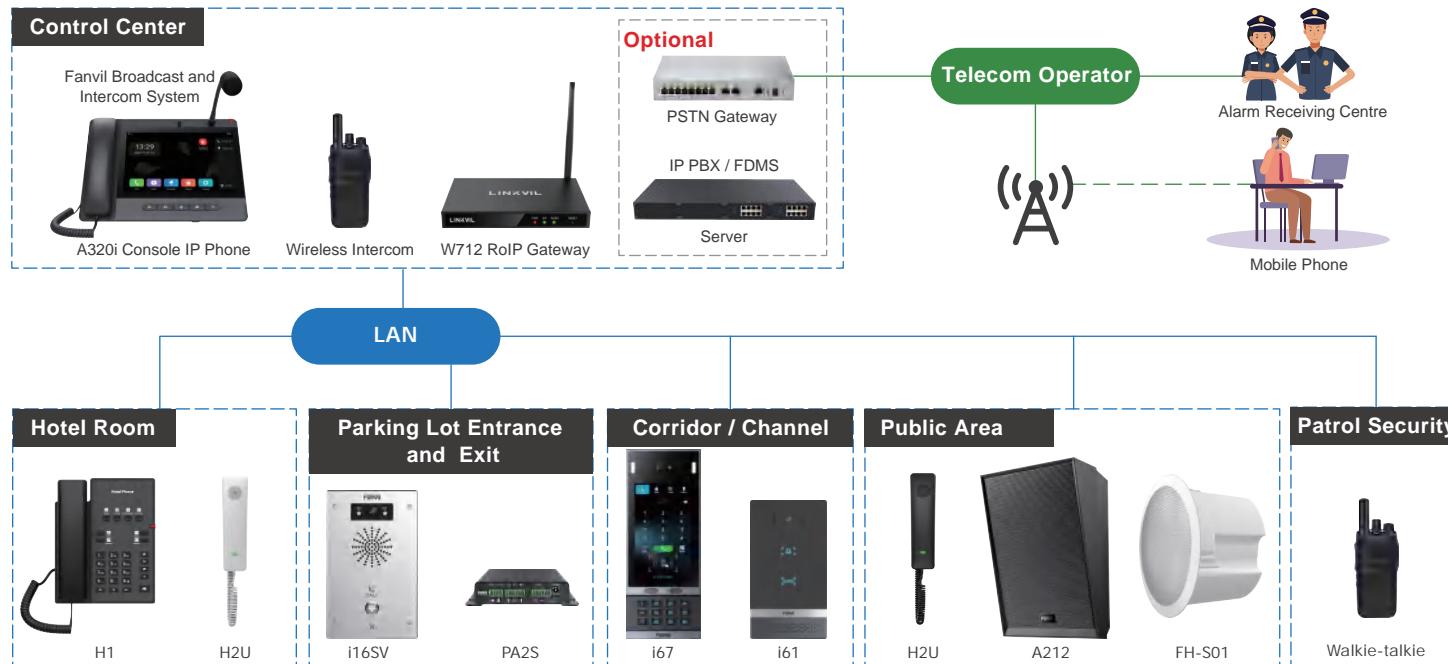
By installing video access control systems in key areas, property and personal safety are effectively protected, enabling a comprehensive upgrade in security management.

##### Functional Integration, Reduced Investment Costs

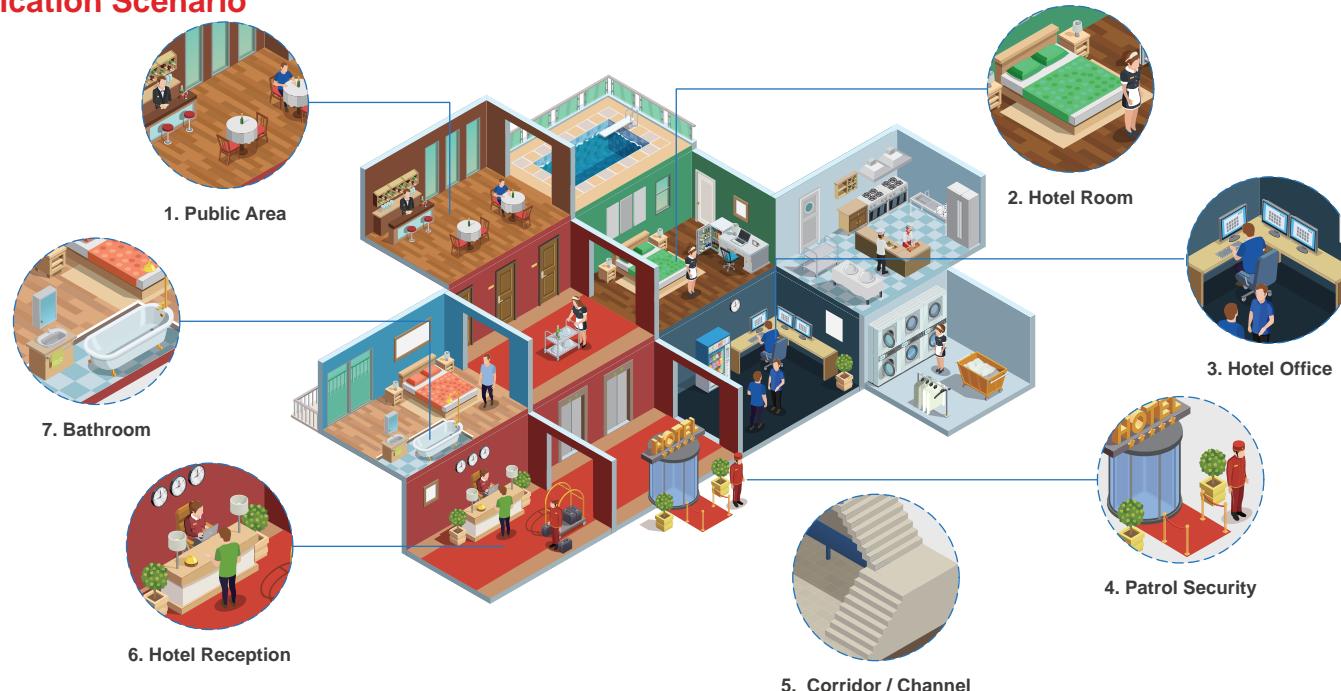
This solution integrates phone, intercom, public address, and video surveillance into a single system, saving investment while improving efficiency. In emergency situations, it enables efficient collaboration, providing stronger security for customers.



#### Solution Topology Diagram



### Application Scenario



### Related Products

<p><b>1. Public Area</b> The IP ceiling speaker can provide residents or employees with emergency information.</p>	<p><b>2. Hotel room</b> The hotel phone system allows internal extensions to call each other and provides one-touch dialing to the front desk.</p>	<p><b>3. Hotel office</b> 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</p>	<p><b>4. Patrol Security</b> Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.</p>
<p><b>5. Corridor / Channel</b> Installing a video intercom system in the corridors and emergency exits helps strengthen the hotel's security management.</p>	<p><b>6. Hotel Reception</b> The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.</p>	<p><b>7. Bathroom</b> Using the bathroom phone, guests can make internal calls between rooms and contact the front desk with a single button.</p>	<p><b>8. Parking Lot Entrance and Exit</b> By installing a video intercom terminal, you can see and hear the person initiating the call for help.</p>

### 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.

##### 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.

##### Video Access Control, Enhanced Security Management

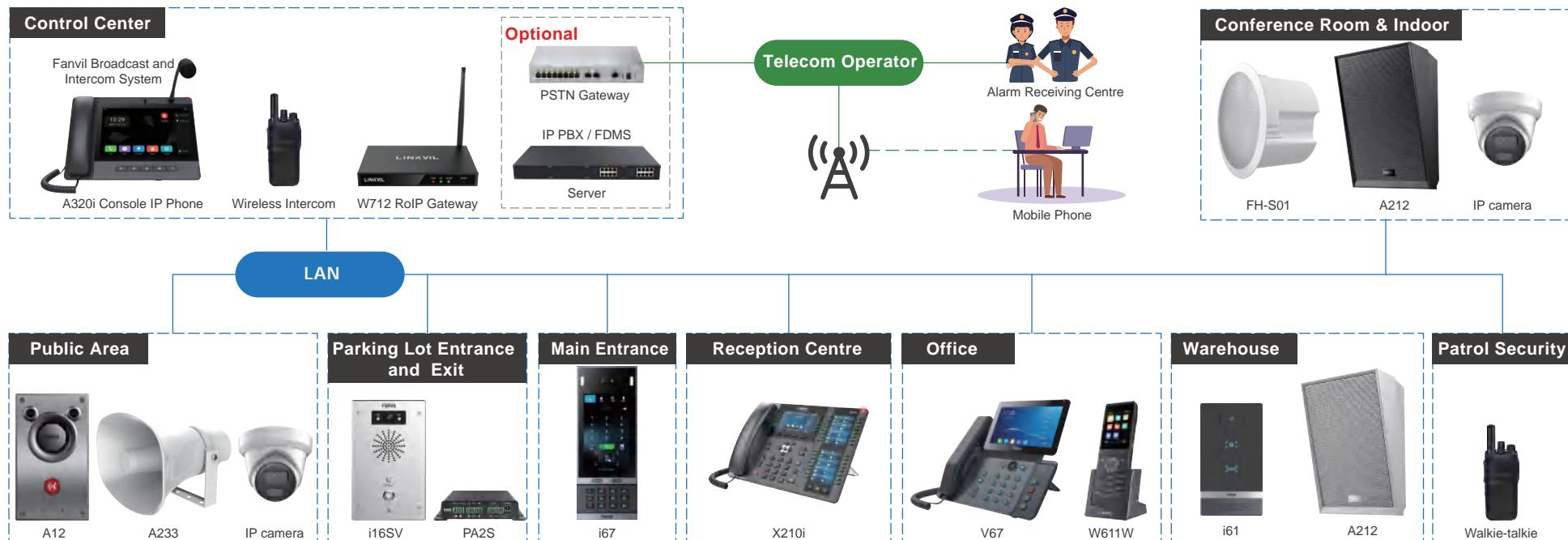
By installing video access control systems in key areas, property and personal safety are effectively protected, enabling a comprehensive upgrade in security management.

##### Timely Information Delivery, Enhances Work Efficiency

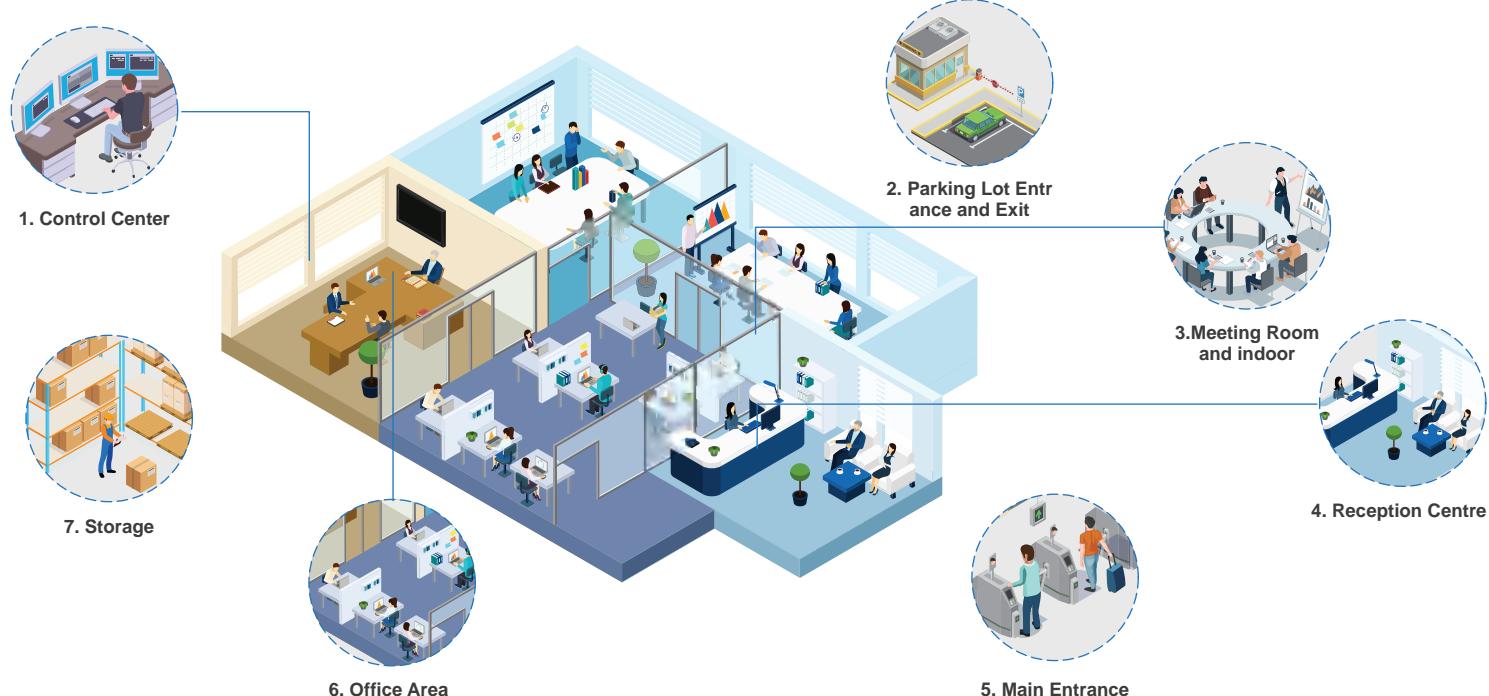
Using IP speakers, IP phones, and wireless intercoms to promptly relay information to employees simplifies daily operations and enhances work efficiency.



### Solution Topology Diagram



### Application Scenario



### Related Products

 <b>1. Control Center</b> The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.	 <b>2. Parking Lot Entrance and Exit</b> By installing a video intercom terminal, you can see and hear the person initiating the call for help.	 <b>2. Parking Lot Entrance and Exit</b> The intercom gateway is installed within the parking equipment, allowing clear audio and video of the person requesting assistance when the intercom is activated...	 <b>3.Meeting Room and Indoor</b> The IP ceiling speaker is easy to install and suitable for indoor office environments.
 <b>4. Reception centre</b> The X210 phone expansion board features a screen and physical buttons, making it easy to quickly transfer calls or contact internal staff.	 <b>5. Main Entrance</b> Installing a video door access system at the main entrance allows you to clearly see visitors, effectively enhancing the security management of your business	 <b>6. Office Area</b> Deploying IP phones in the office area improves internal communication efficiency and enhances collaboration among employees	 <b>7. Storage</b> 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

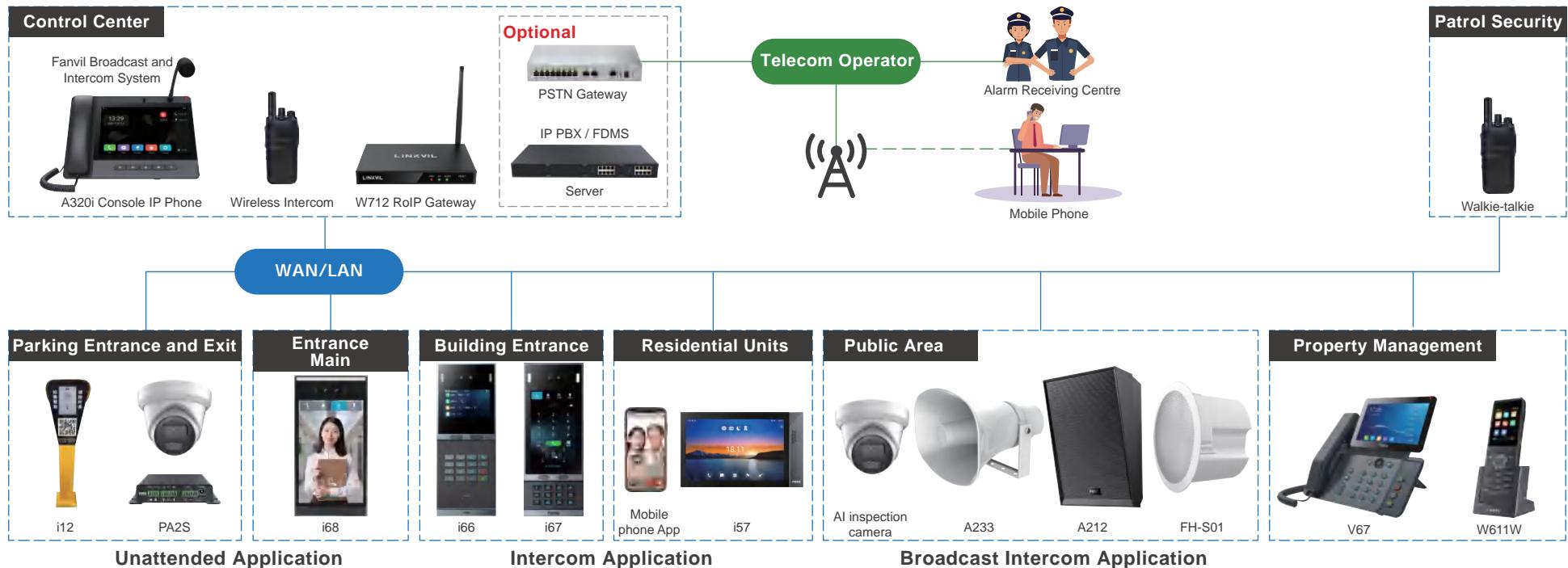
The solution integrates phone systems, access control, public broadcasting, emergency intercom, wireless intercom, conference calling, and video surveillance into one unified platform, meeting the security management and communication needs of residential properties while saving on initial investment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

#### Facial Recognition Access Control, Upgraded Security Management.

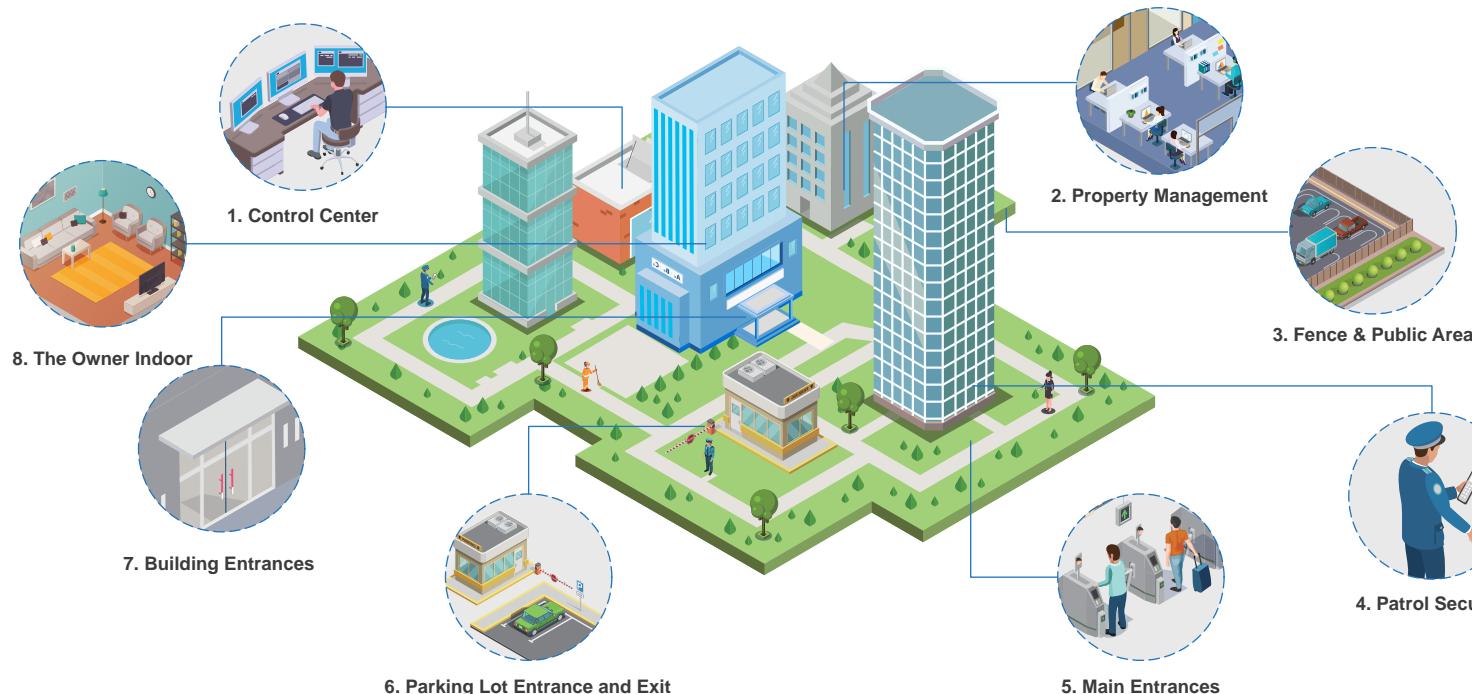
Install facial recognition video access control at key security areas, such as main entrances, to enable quick access for residents, ensuring the safety of property and personnel while achieving an upgrade in security management.



### Solution Topology Diagram



### Application Scenario



### Related Products

 <p><b>1. Control Center</b> The A320i video IP console phone enables multiple functions, including broadcasting, intercom, and telephony.</p>	 <p><b>2. Property Management</b> Property management uses IP phones to improve internal communication efficiency and effectively reduce communication costs</p>	 <p><b>3. Fence &amp; Public Area</b> The IP horn is easy to install and features waterproof, dustproof, and vandal-resistant capabilities, making it ideal for use in outdoor public areas.</p>	 <p><b>4. Patrol Security</b> Through the wireless intercom system, the control center can directly establish communication with patrolling security personnel, enabling intercom or emergency broadcast notifications.</p>
 <p><b>5. Main Entrance</b> 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.</p>	 <p><b>6. Parking Lot Entrance and Exit</b> By installing a video intercom terminal, you can see and hear the person initiating the call for help.</p>	 <p><b>7. Building Entrance</b> 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</p>	 <p><b>8. The Owner Indoor</b> 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</p>



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## Fanvil Technology Co., Ltd

### **Smarthills Corporate Solutions Ltd**

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