HOKOWITS

Everything Sensing for an Intelligent World

# Intelligent Vision Solution



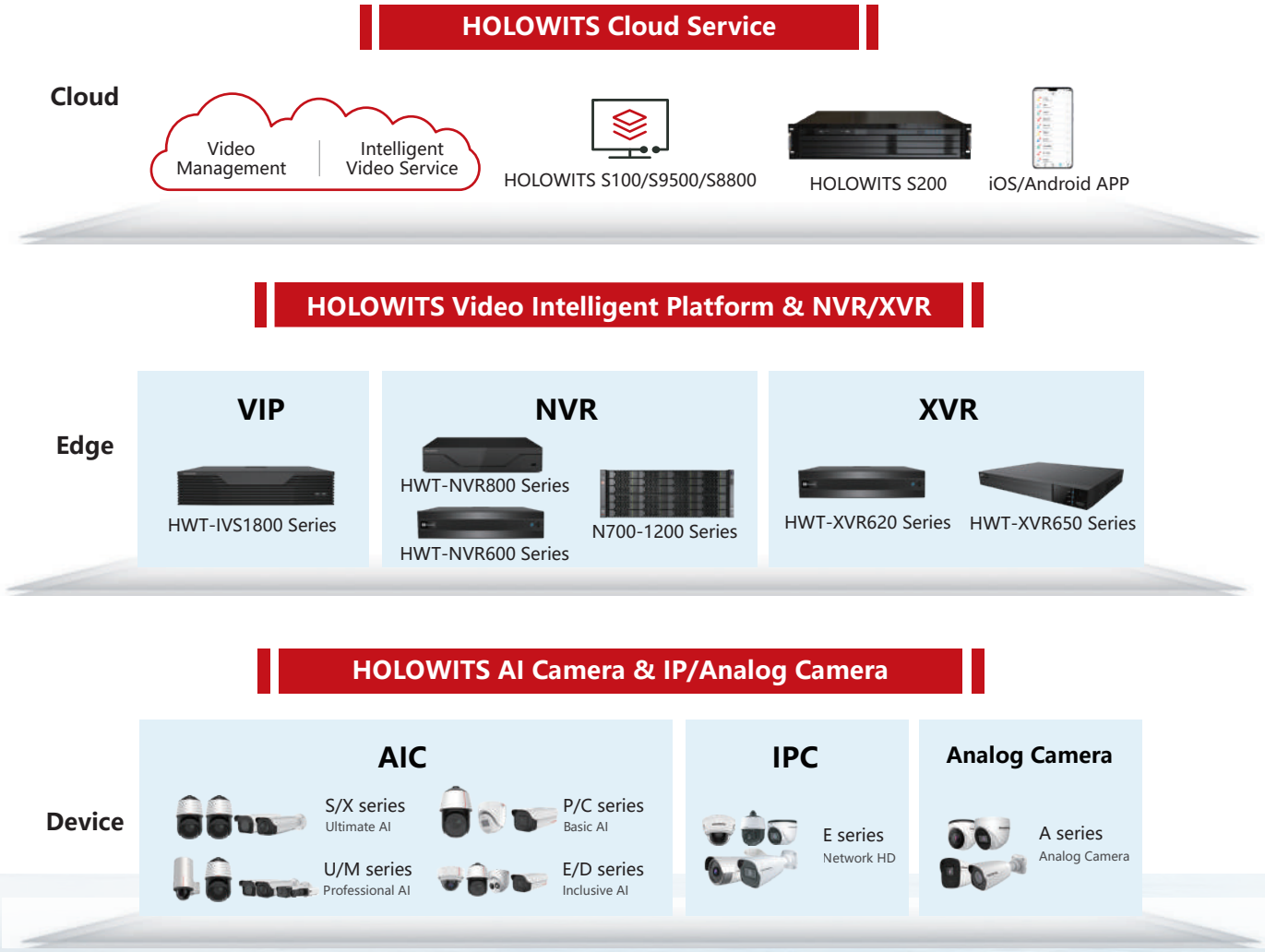
# About HOLOWITS

**Vision and Mission:**
Everything Sensing for an Intelligent World.

**Company Profile:**
HOLOWITS is a global provider of intelligent Internet of Things (AIoT) products and solutions based on multi-dimensional awareness technologies, and integrates a broad range of capabilities such as R&D, production, distribution, sales and service capabilities.

HOLOWITS is endowed with intelligent sensing technologies, a full-fledged industry chain, and powerful technical support capabilities. Responding to the ever-growing global demand for intelligence, HOLOWITS is committed to developing AI Camera (AIC), Video Intelligent Platform (VIP), as well as cloud services. These offerings can be applied in a wide variety of scenarios such as intelligent city, intelligent transportation, intelligent energy, intelligent manufacturing, intelligent campus, and intelligent retail.

We aim to work together to build an intelligent world with all things sensing. To achieve this, we are devoted to providing safe, reliable, easy-to-use, and outstanding products and solutions for the global market.



## HOLOWITS Video Intelligent Platform

**Up to 20 TOPS,**
ultimate computing power

- Embedded system
- Professional AI-accelerated processor



| | | |
|---|---|---|
| **HWT-IVS1800-D08-1T**<br>64-channel; 8 disks; 1 TOPS | **HWT-IVS1800-D08-4T**<br>64-channel; 8 disks; 4 TOPS | **HWT-IVS1800-E08-20T**<br>64-channel; 8 disks; 20 TOPS |
| **HWT-IVS1800-D16-1T**<br>128-channel; 16 disks; 1 TOPS | **HWT-IVS1800-D16-4T**<br>128-channel; 16 disks; 4 TOPS | **HWT-IVS1800-E16-20T**<br>128-channel; 16 disks; 20 TOPS |

One server for small-and medium-sized campuses at branches, schools, and warehouses

Algorithm repository
video analysis | image analysis

## Compact Intelligence

| Device-Edge collaborative | Intelligent synergy | Intelligent Optimization | Security and Reliability |
|---|---|---|---|
| Multi-branch interconnection, applicable to all scenarios | SafeVideo, more secure data storage | Algorithm repository | Dual network ports, partitions, and systems |
| Independent innovation and stronger performance | Integration of storage, compute, and search, saving space and cutting power consumption | Multi-algorithm concurrency | Surge protection, anti-noise, and radiation resistance |

## HOLOWITS NVR

### HWT-NVR800 Series



**HWT-NVR800 Series**

| Inclusive AI | High Definition | Professional Quality | Better Experience |
|---|---|---|---|
| Intelligent synergy with cameras | 4K UHD video access | Innovative design | One Step to Cloud |
| Full channels intelligence display | 4K UHD video display | High reliability | ePoE Plug-and-Play |

### HWT-NVR600 Series



**HWT-NVR600 Series**

| High Definition | | Better Experience | |
|---|---|---|---|
| 6MP video access | 6MP video display | User-friendly GUI | Flexible backup |

### N700-1200 Series



**N700-1200 Series**

| Professional Quality | | Better Experience | |
|---|---|---|---|
| Secure and reliable | Optimal performance | E2E security protection | Fully symmetric convergence |

## HOLOWITS XVR



**HWT-XVR620 A01**
4-channel, 1 disk



**HWT-XVR620 A01**
8-channel, 1 disk



**HWT-XVR650-A01**
8-channel, 1 disk

| High performance | Better Experience |
|---|---|
| Analog video switched to IP video | User-friendly GUI |
| Adopt standard H.265 | Flexible backup |

# HOLOWITS AI Camera

## S/X Series AIC

**HWT-X2241-10-HLI-E2(10-50mm)**
4 TOPS 4MP Dual-Lens AI Bullet Camera



**HWT-X2391-20-TI**
12 TOPS 9MP Low-Light ITS AI Bullet Camera



**HWT-X6741-20-GZ40-E2-Wp**
4MP Super-Low Light Full-Color Dual-Lens AI PTZ Dome Camera



## U/M Series AIC

**HWT-M2120-10-EI**
1 TOPS 2MP IR AI Bullet Camera



**HWT-M2150-10-EGI**
1 TOPS 5MP IR AI Bullet Camera



**HWT-M2181-10-ELI(8-32mm)**
1 TOPS 8MP IR/White-Light AI Bullet Camera



**HWT-M2141-10-EL(2.8-12mm)**
1 TOPS 4MP Softlight AI Bullet Camera



**HWT-M2141-10-ELI-S(2.8–12 mm)**
Class D Anti-corrosion 4MP IR/White Light AI Bullet Camera



**HWT-M2241-10-QL**
2 TOPS 4MP Multi-Algorithm Bullet Camera



**HWT-M2241-10-QLI-E2(8-32mm)**
2 TOPS 4MP Dual-Lens AI Bullet Camera



**HWT-M2241-10-ELI-E2(8-32mm)**
1 TOPS 4MP Dual-Lens AI Bullet Camera



**HWT-M2391-10-TL**
2 TOPS 9MP ITS AI Bullet Camera



**HWT-M3381-10-EI**
1 TOPS 8MP AI IR Fixed Dome Camera



**HWT-M3250-10-EI**
1 TOPS 5MP Infrared AI Fixed Dome Camera



**HWT-M6741-10-Z40-E2**
2 TOPS 4MP Dual-Lens AI PTZ Dome Camera



**HWT-M6781-10-GZ40**
2 TOPS 8MP AI PTZ Dome Camera



**HWT-M6641-10-Z32-Wp-S**
Class D Anti-corrosion 4MP IR AI PTZ Dome Camera



## P/C Series AIC

**P5-5LRV(33x)A AI**
1T 5MP IR/White-Light AI PTZ Dome Camera with Intercom



**P4-5R(2.8-12)A AI**
1T 5MP AI IR Fixed Dome Camera



**P4-2R(2.8-12)A AI**
1T 2MP AI IR Fixed Dome Camera



**P4-4R(2.8)A**
4MP IR Fixed Dome Camera



**P4-4R(3.6)A**
4MP IR Fixed Dome Camera



**P1-2R(2.8-12)A AI**
1T 2MP AI IR Bullet Camera



**P1-5R(2.8-12)A AI**
1T 5MP AI IR Bullet Camera



**P1-4LR(3.6)A**
4MP IR/White Light Bullet Camera



## E/D Series AIC

**HWT-D2020-10-I-P(3.6mm)**
1 TOPS 2MP AI IR Bullet Camera


**HWT-D2050-10-I-P(3.6mm)**
1 TOPS 5MP AI IR Bullet Camera


**HWT-D2120-10-SIU**
1 TOPS 2MP AI IR Bullet Camera


**HWT-D2120-10-LI-SV**
1 TOPS 2MP IR/White-Light AI Bullet Camera with Intercom


**HWT-D2150-10-SIU**
1 TOPS 5MP AI IR Bullet Camera


**HWT-D2150-10-LI-SV**
1 TOPS 5MP IR/White-Light AI Bullet Camera with Intercom


**HWT-D2152-10-SIU**
1 TOPS 5MP AI IR Bullet Camera


**HWT-D2122-10-SIU**
1 TOPS 2MP AI IR Bullet Camera


**HWT-D3040-10-ELI-PV(2.8mm)**
1 TOPS 4MP IR/White-Light Full-Color AI Fixed Dome Camera with Intercom


**HWT-D3020-10-I-P(2.8mm)**
1 TOPS 2MP IR AI Fixed Dome Camera


**HWT-D3252-10-SIU**
1T 5MP AI IR Fixed Dome Camera


**HWT-D3250-10-SIU**
1 TOPS 5MP AI IR Fixed Dome Camera


**HWT-D3250-10-I-P(2.8mm)**
1 TOPS 5MP AI IR Fixed Dome Camera


**HWT-D3250-10-I-P(3.6mm)**
1 TOPS 5MP AI IR Fixed Dome Camera


**HWT-D3222-10-SIU**
1 TOPS 2MP AI IR Fixed Dome Camera


**HWT-D3220-10-I-P(2.8mm)**
1 TOPS 2MP AI IR Fixed Dome Camera


**HWT-D3220-10-SIU**
1 TOPS 2MP AI IR Fixed Dome Camera


**HWT-D6550-10-Z33-SV**
1 TOPS 5MP IR/White-Light AI PTZ Dome Camera with Intercom


## HOLOWITS IP Camera & Analog Camera

## E Series IPC

**HWT-E2030-00-I-P(3.6mm)**
3MP IR Bullet Camera


**HWT-E2040-I**
4MP IR Motorized Lens Bullet Network Camera


**HWT-E2050-00-I-P(3.6mm)**
5MP IR Bullet Camera


**HWT-E3030-00-I-P(2.8mm)**
3MP IR Fixed Dome Camera


**HWT-E3030-00-I-P(3.6mm)**
3MP IR Fixed Dome Camera


**HWT-E3040-I**
4MP IR Motorized Lens Dome Network Camera


**HWT-E3050-00-I-P(2.8mm)**
5MP IR Fixed Dome Camera


**HWT-E3050-00-I-P(3.6mm)**
5MP IR Fixed Dome Camera


**HWT-E6420-Z15**
15x 2MP 150m IR Network PTZ Camera


**HWT-E6440-Z25**
25x 4MP 150m IR Network PTZ Camera


## A Series Analog Camera

**HWT-A2020-I(3.6mm)**
2MP Analog IR Bullet Camera


**HWT-A2050-I(3.6mm)**
5MP Analog IR Bullet Camera


**HWT-A2150-I**
5MP Analog IR Motorized Lens Bullet Camera


**A1A Series**
2MP | 5MP Analog Bullet Camera (IR/White Light)


**HWT-A3020-I(2.8mm)**
2MP Analog IR Dome Camera


**HWT-A3050-I(2.8mm)**
5MP Analog IR Dome Camera


**A3A Series**
2MP | 5MP Analog Dome Camera (IR/White Light)


**HWT-A3050-I**
5MP Analog IR Motorized Lens Dome Camera


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# Intelligent University Campus Solution

### Kitchen/ Supermarket

- Supermarket: situational awareness
- Kitchen: chef's clothing/chef's hat/mask/rat detection

### Classroom Building

- Indoor/outdoor activity area: situational awareness, voice intercom
- Low condition areas: full-color and super night vision
- High Point: Panoramic situational awareness




### Entrance and Exit

- Main gate/building entrance and exit: target/license plate recognition, mask detection reminder
- Parking lot entrance and exit: vehicle gate
- Guard on duty: personnel off-post detection

### Perimeter/Key Protection Area

- Campus fence/lake/rooftop: area intrusion detection
- Emergency access: vehicle parking violation detection
- Corridor: Crowd Density Detection

1. Perimeter Protection
2. Parking Detection on Emergency Access
3. Fire Detection
4. Heat Map
5. Gathering Detection
6. Target Tracking
7. People Counting
8. 4-in-1 Transparent Kitchen: chef's clothing/chef's hat/mask/rat detection

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# Intelligent Banking Solution



## Counter

- High-definition
- Target capture and recognition
- Off-duty detection



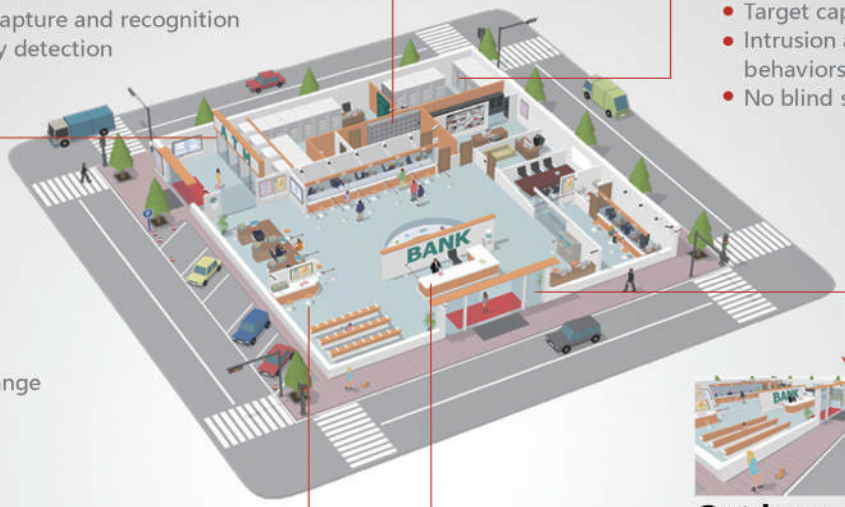
## Vault

- Target capture and recognition
- Intrusion and abnormal behaviors detection
- No blind spots




## ATM

- Ultra Wide Dynamic Range
- No blind spots






## Outdoor

- See the license plate at the door
- Complicate environment
- 24-hour HD



## Lobby

- Large areas with lots of customers
- High-definition
- No blind spots
- Abnormal behavior analysis



## Entrance

- Ultra Wide Dynamic Range
- Target capture and recognition
- Voice welcome and voice broadcast

### SuperCoding

Camera-provided SuperCoding, featuring over 60% video compression rate based on H.265 encoding and saving transmission bandwidth and storage space, without decreasing image quality and the need of specific decoding approaches.

### SuperColor

SuperColor for night vision; all-day, all-weather scene adaptation; RGBW Super Sensor, showing nights in the light of the daytime without letting out light pollution at any time.

### SuperAI

Target capture and recognition, welcome voice prompt/broadcast for improved user experience; Head counting and absence detection for efficient operations; fully open to third-party algorithms.

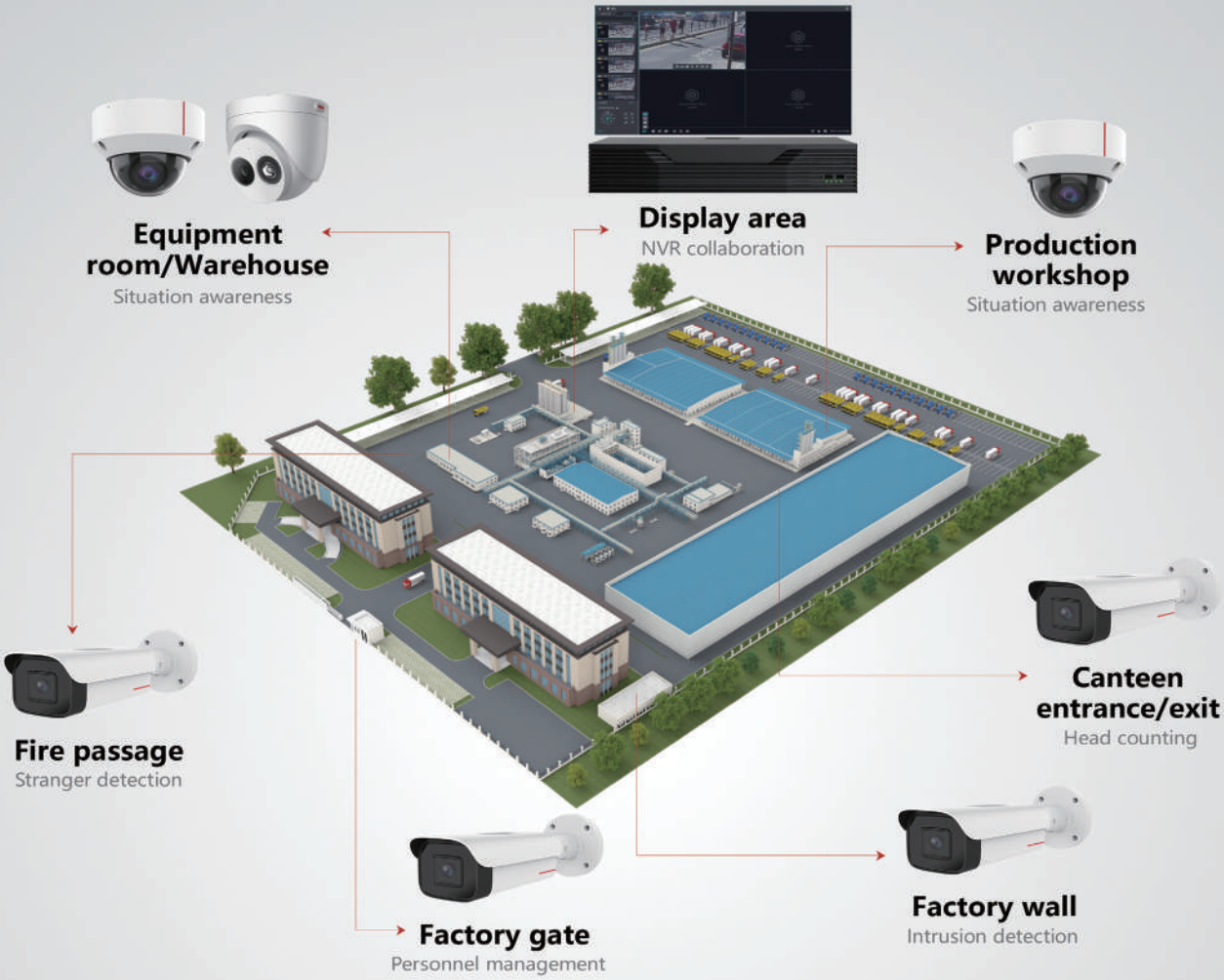
### Frame extraction backup

Data backup during off-peak hours at night without affecting services in the daytime; Frame extraction backup by time, plan, or specified video, resolving bandwidth consumption pressure.

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# Intelligent Factory Solution




1. Quickly Grants Access at Factory Entrances and Exits
2. Mobile App for Remote Management
3. Counting the Number of People Entering a Canteen, for Refined Operations
4. 24/7 Situation Awareness, Voice Broadcast, and Timely Response to Exceptions
5. 24/7 Protection for Key Areas in Warehouses
6. 24/7 Protection for Key Areas in Equipment Rooms
7. Parking Violation Detection in Underground Garages and Fire Passages
8. Video-based Intrusion Detection Around Factory Perimeter

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# Intelligent Supermarket Solution




### Intelligent security protection

Intelligent detection of strangers and fires, reducing security risks

### Efficient management

Intelligent mask detection, target recognition, and commodity placement optimization, improving management efficiency

### Smart operations

Shelf popularity analysis, which helps optimize commodity placement and improve marketing success rate

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# Intelligent Community Solution

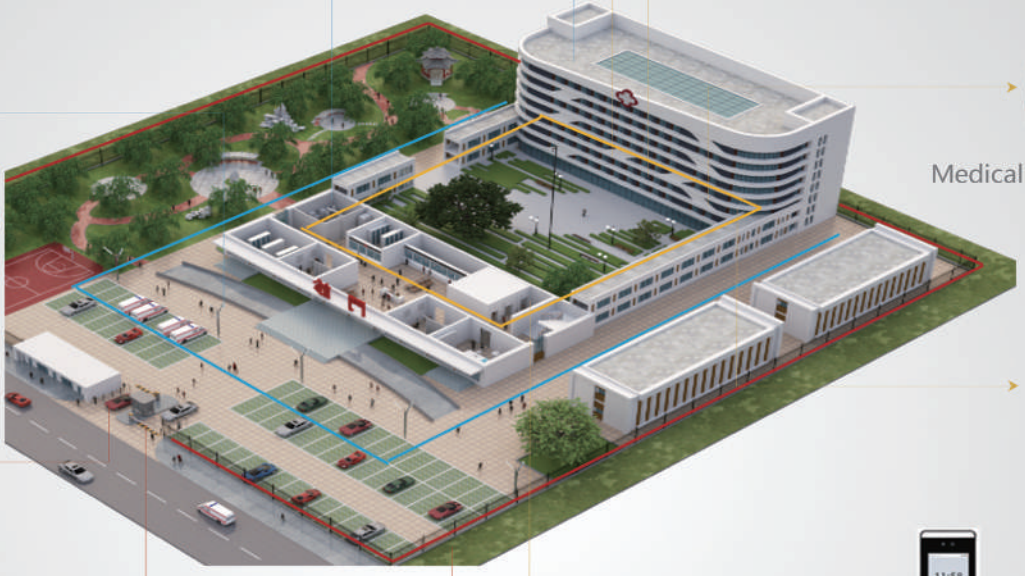



1. AI-enabled perimeter detection, false positive rate ≤ 5%
2. Seamless personnel access control
3. Efficient vehicle access control
4. Falling object detection
5. Parking violation detection at fire routes
6. Drowning prevention
7. Garbage area detection

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# Intelligent Hospital Solution



Situation Awareness

Medical Dispute Detection

Intrusion Detection

Mask Detection

Fire Route Obstruction Detection

Medical PPE Detection

Vehicle Access Control

Elevator

Access Control in Restricted Areas

Abnormal Situation

Perimeter Protection

1 Perimeter Protection

2 Parking Detection at Fire Routes

3 Trajectory Analysis

4 Crowd Gathering Detection

5 Medical PPE Detection

6 Access Control in Restricted Areas

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