



# **Hikvision Solutions for Warehouses**

work in your unique setting.

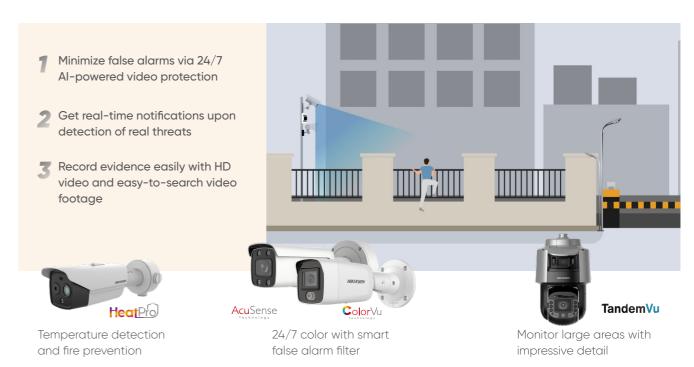
With the ever-growing worlds of e-commerce, online shopping, and internet-based retail businesses, it is becoming more difficult for warehouse managers to ensure fluid operations. Challenges include:







Provide the most convenient and reliable choices for arming your perimeters in a multitude





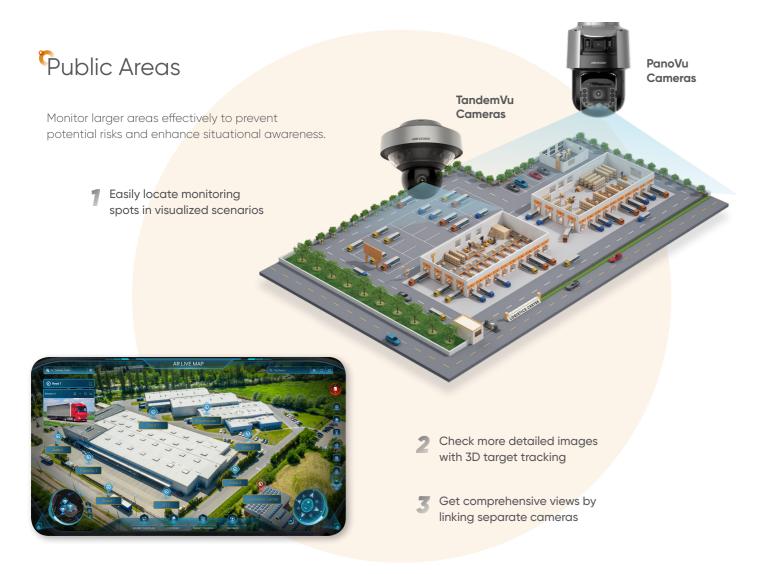


**Proper Security** 

**Practices Are in** 

**Place at Every** 

**Turn** 

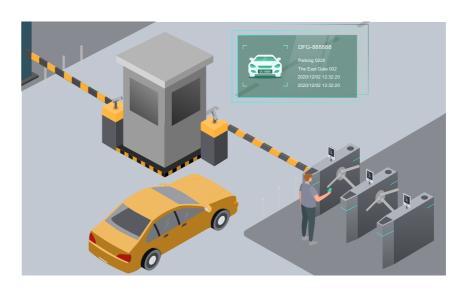


### Entrances & Exits

Tenhance overall security with automatic and accurate authentication

Guarantee safety for personnel and vehicles with proactive access control solutions.

- 2 Improve the drive-through experience and pedestrian traffic efficiency
- Boost loss prevention and anti-fraud tactics with smart detections





Touch-free and efficient pedestrian access control with MinMoe Face Recognition Terminals

### Internal Roads

Standardize driving and improve vehicle management within the logistics park.





- Effectively measure vehicle speed on internal roads
- 2 Detect parked vehicles in restricted areas
- **The state of the state of the** reduce traffic accidents





### Dock Areas

Optimize dock operations with powerful tools and insightful data.

- Stay updated with realtime dock status via visualized dock maps
- Improve evaluation and overall efficiency for loading & unloading, and more
- Facilitate smarter decision making with visualized dashboards and reports indicating average throughput, dock usage rates, dwell time at each step, and more









# **Improve Operational Efficiency** and Enhance Performance with **End-to-End Solutions**

The movement of goods and merchandise at each step is key in warehouse management. Hikvision offers powerful, end-to-end solutions for every node of cargo while in transit. Users get unparalleled visibility and real-time insight into every action throughout the process.

# Loading & Unloading Areas

Enhance automation & efficiency, and increase visibility.







Hikvision technology makes it easier than ever to protect merchandise while enhancing efficiency

**1** Enhance situational awareness with live AR interactivity



Prevent fires and other disasters with the help of thermal imaging technologies



- Get inbound merchandise control and prevent risks with X-Ray inspections and video evidence
- Perform strict access control strategies where high-value goods are stored







Tripod Turnstile

**5** Assist cold-chain goods storage with high quality video even in low temperature environments

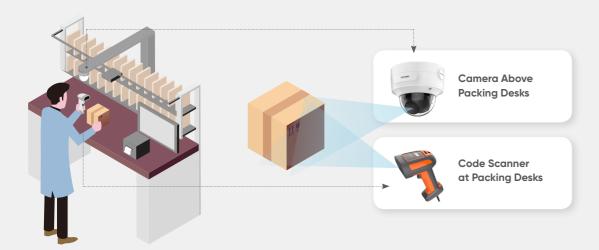




## Packing Areas

Easily locate parcels by linking the data from barcode scanners and cameras.

- Match and archive data according to time, place, parcel ID, and video
- Accelerate remediation of issues and customer complaints with quick, targeted video searches based on parcel IDs at each check points



# Sorting Areas

Track parcels easily across even the most complex conveyor systems

Get quantity verifications against other conveyor systems with parcel handling statistics at each node







# Centralized & Visualized Management

### Command Center

The HikCentral platform from Hikvision centralizes the closed-loop management of general security, personnel, goods, and vehicles at warehouses with visualized dashboards. These dashboards help logistics operators optimize daily management and enhance efficiency. Moreover, diverse performance & operational analysis reports boost smarter decision making.





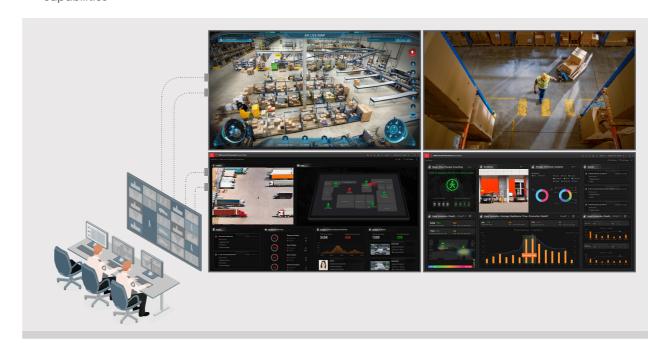
## Security Management

Enhance on-site security and optimize facility operations &management

Carry out remote inspections enabled by intelligent video capabilities

2 Receive real-time alarms and verify them via HD live stream

3 Improve situational awareness for general security





## Vehicle Management

Improve efficiency and safety, from scheduling to loading

Standardize on-site vehicle flow and improve management

2 Improve dispatch efficiency and reduce driver wait times

3 Digitalize vehicle management processes with all records trackable and available for analysis











Scheduling

Check-in

Dispatch

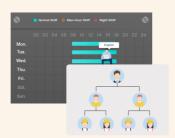
Loading & Unloading

# Personnel Management

Protect & manage staff and drivers intelligently



Set attendance rules for diverse roles and gain insights from customized reports



# Merchandise Management Track locations and conditions of goods throughout their

journey while reducing loss.



Inbound









Storage Sorting

Packing

Outbound

### **Product Showcase**



#### MinMoe Face Recognition Terminal

- 7-inch LCD screen
- Multiple authentification methods: Card / Fingerprinter / Face



### **Speed Measurement Camera**

- Speed detection (0-120 km/h)
- 3 lane coverage (ANPR & speed measurement)
- · License plate / vehicle feature recognition (vehicle type & color, no license plate, direction detection,



#### **ANPR Camera**

- 1/3" progressive scan CMOS
- License plate / vehicle type / vehicle color / vehicle brand recognition
- · Supports relay output to control vehicle



#### **Smart Code Reader**

- Built-in code reading / deep learning algorithm to read various codes
- Supports RS-232 serial port and indicators displaying device status
- Multiple IO interfaces for inputting and outputting signals



### **Illegal Parking Camera**

- 4 MP resolution
- Illegal parking / wrong-way driving / driving over lane line / illegal lane change / illegal U-turn detection



#### **Dock Camera**

- 4 MP resolution
- Dock occupation / driving in & out / rear door status / loading rate detection
- · Supports ANPR and automatic LED light



#### **Thermal Security Camera**

- 4 MP resolution
- Temperature anomaly alarm for fire prevention, -20° to 150° C (-4° to 302° F),  $\pm$ 8° C (± 14.4° F)
- · Vehicle / human classification



#### **Panoramic Camera**

- 180° splicing image to present all scenes covered by the camera
- · Water and dust resistant (IP67) and vandal proof (IK10)
- · Supports smart human density counting



#### TandemVu Camera

- 24/7 colorful imaging
- 42x optical zoom, 16x digital zoom
- Expansive night imaging with up to 30 m visible light distance and 300 m IR distance



#### Panoramic Fisheye Camera

- 360-degree, zero-blind-spot imaging
- Capable of providing a 360-degree panoramic image of scene
- · Built-in mic and speaker, supports two-way audio



#### X-Ray Inspection Unit

- High performance with HD imaging
- Shock-proof design
- Friendly interface for easy operation



### **Heat Pro Themal Camera**

- Temperature anomaly alarm for fire prevention, -20°C to 550°C (-4°F to 1,022°F), Max. (± 2°C, ± 2%)
- Smoke detection
- · Vehicle / human classification



#### PanoVu PTZ

- 32 MP resolution
- Continous and stable manual tracking, autotracking, and panorama tracking
- · Automatic switching between multiple targets



#### **General Walk-through Metal Detector**

- Passenger flow statistics
- Metal detection
- Monitor area display



#### **Ultra Low Temperature Camera**

- Reliable start-up and operation even in temperature as low as -60° C
- Defogging via lens heater
- De-icing in low temperatures



#### **Code Scanner**

- Supports reading multiple types of codes, including QR code, code 39 and more
- Supports reading codes with spots, defects a and low contrast radio
- Supports multiple communication protocols
- Efficient and lightweight operation with wireless tech





#### 3 Series Camera

- Vehicle / human classification
- Motion detection
- 24/7 colorful imaging



#### **Tripod Turnstile**

- Bidirectional (entering/exiting) lane
- Automatic drop of barriers for fire emergency evacuation
- Easy integration of third-party access control systems via relay input



#### **HikCentral Professional**

- · A broad range of business needs covered by various applications
- Simple insallation and maintenance by lightweight but powerful software
- Easy and convenient integration wtih open system architecture
- · Personalized and optimized experience with user-centric design