



# LOGISTICS PARK SOLUTION

## REDUCING RISKS AND INCREASING EFFICIENCY

[www.hikvision.com](http://www.hikvision.com)

**HIKVISION**<sup>®</sup>





## The needs of a logistics park

A Logistics Park is an area zoned and planned for the purpose of transporting goods. We usually see two types of warehouses: a fulfillment center, for shipping and receiving goods, and a dispatch center, where cargo is shipped and vehicles are sent off to their various destinations.

Hikvision answers each of these concerns by offering an all-encompassing solution that focuses on four critical components. This solution not only improves safety with its top-notch security solution, but also helps improve operational efficiency through adapting Artificial Intelligencepowered functionality. All together, Hikvision's solution aims to build a more secured and more intelligent logistics park.

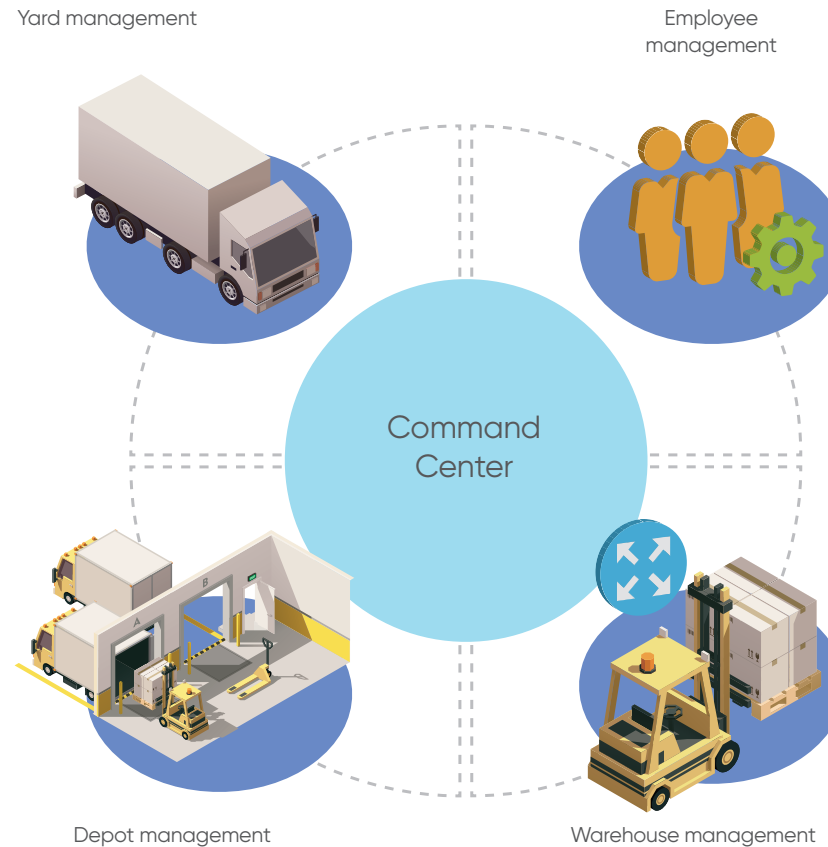
Loss prevention and efficient operations are the two main concerns at any logistics parks. How can managers react quickly when there is a missing or damaged package? Is there a way to trace each step in the process and pinpoint where the problem took place? And of course, is there a tool to digitize and more efficiently manage the docks for loading and unloading?



# The Hikvision Logistics Solution

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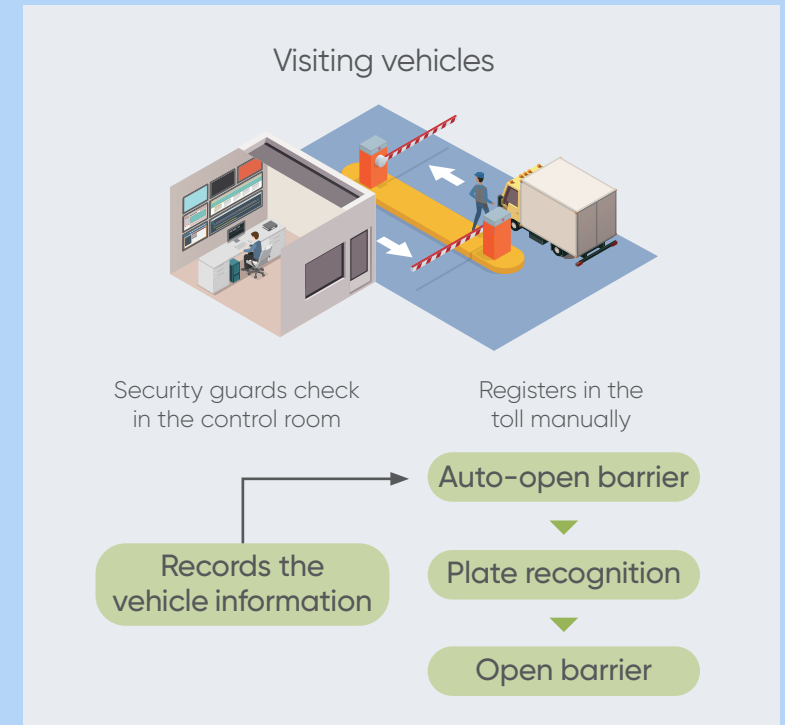
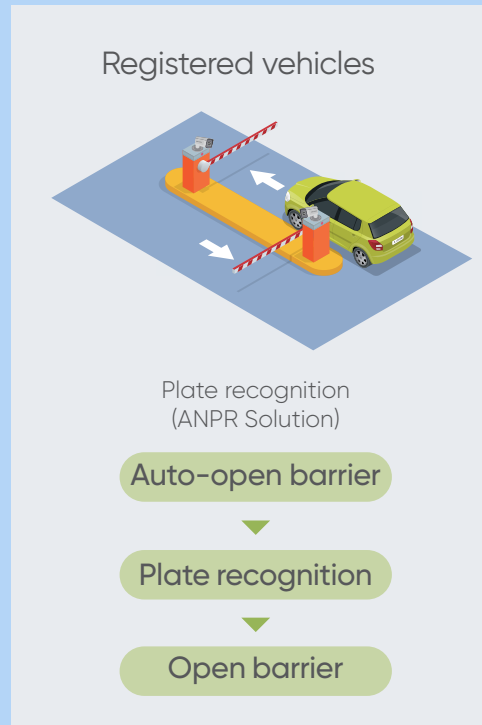


# Yard management

Improve efficiency for the loading process

## Entrance & Exit Control

Hikvision offers convenient and efficient entrance & exit control for industrial parks and fulfillment centers with or without a security booth at the gate. Pre-registered vehicles can pass efficiently via automatic license plate recognition. Visitor vehicles can also conveniently log in at a security booth or remotely using a video intercom device.



## Warehouse Dock Management

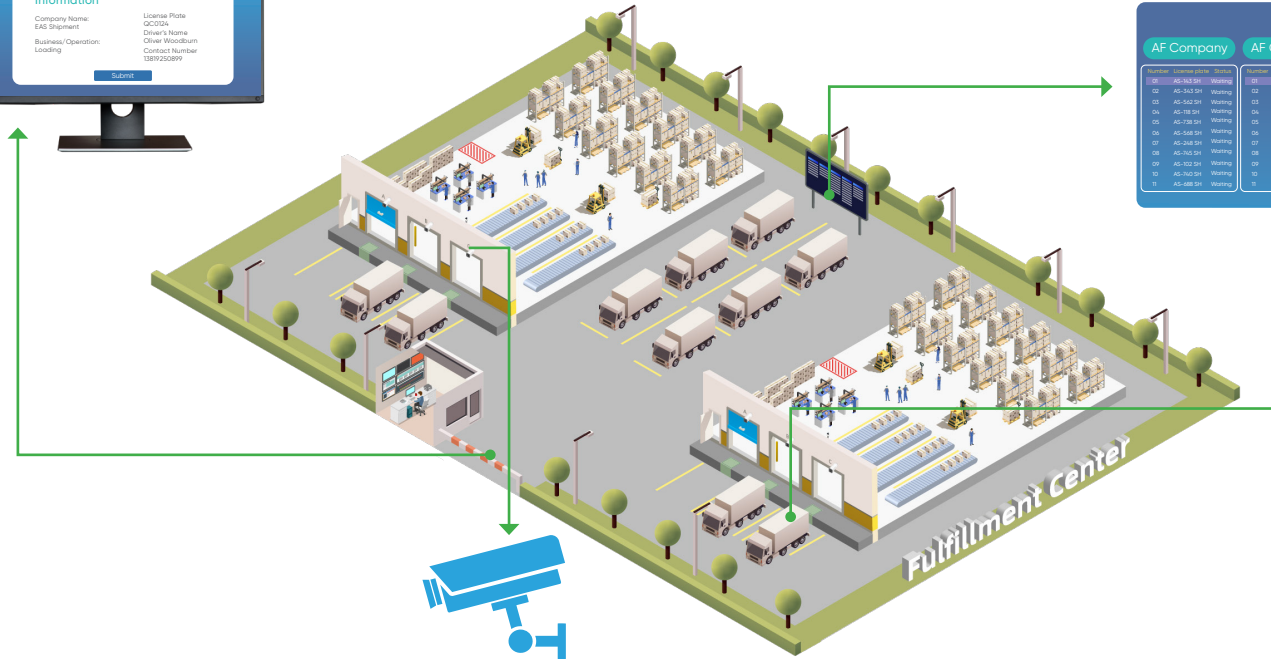
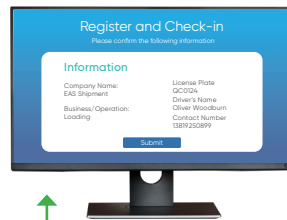
Many dock platforms face various efficiency challenges, such as how to best arrange the entire workflow from truck entry to cargo pickup, how to allocate resources so that dock platforms are operating efficiently, and more. With Hikvision's digital dock platform, all of these questions are conveniently solved through an automated workflow.





## Step 1: Registration

Vehicle Registration on Web Page



## Step 2: Queuing

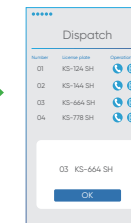
Vehicles inside the park will queue for loading/unloading. The queuing process is displayed on the outdoor LED screen.

Queue Display

AF Company	AF Company	SF Company	CF Company	CF Company
01 AS-102 SH Waiting	02 KS-101 SH Waiting	03 WS-305 SH Waiting	04 VS-104 SH Waiting	05 RS-105 SH Waiting
02 AS-103 SH Waiting	03 KS-102 SH Waiting	04 WS-204 SH Waiting	05 VS-105 SH Waiting	06 RS-106 SH Waiting
03 AS-104 SH Waiting	04 KS-103 SH Waiting	05 WS-304 SH Waiting	06 VS-106 SH Waiting	07 RS-107 SH Waiting
04 AS-105 SH Waiting	05 KS-104 SH Waiting	06 WS-303 SH Waiting	07 VS-107 SH Waiting	08 RS-108 SH Waiting
05 AS-106 SH Waiting	06 KS-105 SH Waiting	07 WS-302 SH Waiting	08 VS-108 SH Waiting	09 RS-109 SH Waiting
06 AS-107 SH Waiting	07 KS-106 SH Waiting	08 WS-301 SH Waiting	09 VS-109 SH Waiting	10 RS-110 SH Waiting
07 AS-108 SH Waiting	08 KS-107 SH Waiting	09 WS-203 SH Waiting	10 VS-110 SH Waiting	11 RS-111 SH Waiting
08 AS-109 SH Waiting	09 KS-108 SH Waiting	10 WS-202 SH Waiting	11 VS-111 SH Waiting	12 RS-112 SH Waiting
09 AS-110 SH Waiting	10 KS-109 SH Waiting	11 WS-201 SH Waiting	12 VS-112 SH Waiting	13 RS-113 SH Waiting
10 AS-111 SH Waiting	11 KS-110 SH Waiting	12 WS-101 SH Waiting	13 VS-113 SH Waiting	14 RS-114 SH Waiting
11 AS-112 SH Waiting	12 KS-111 SH Waiting	13 WS-102 SH Waiting	14 VS-114 SH Waiting	15 RS-115 SH Waiting

## Step 3: Dock Platform Management

A Dock camera will detect and recognize each platform's status and record truck information. Staff can then use the app to call the truck to a dock.



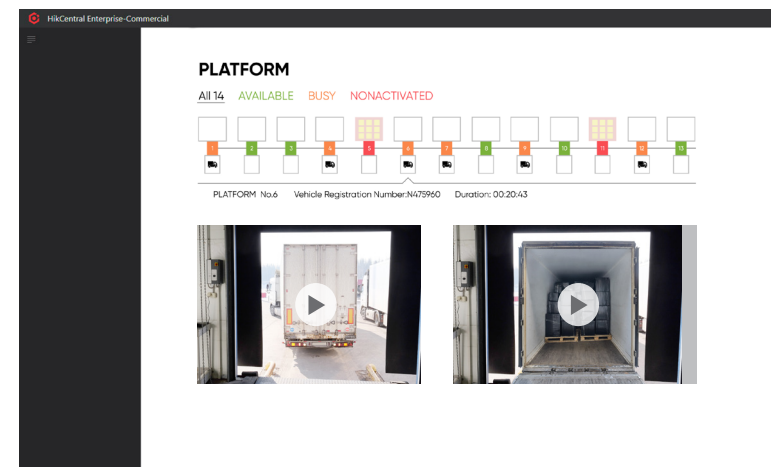
## Visual display of the dock status in real time

### 1. Dock Status Indicator

Each color represents a dock status. For example, a red icon and license plate will be shown for docks that are currently busy. If a vehicle parks at the wrong dock, the icon will be yellow; and if the dock is empty, a green indicator will be shown.

### 2. View Operation Status Remotely

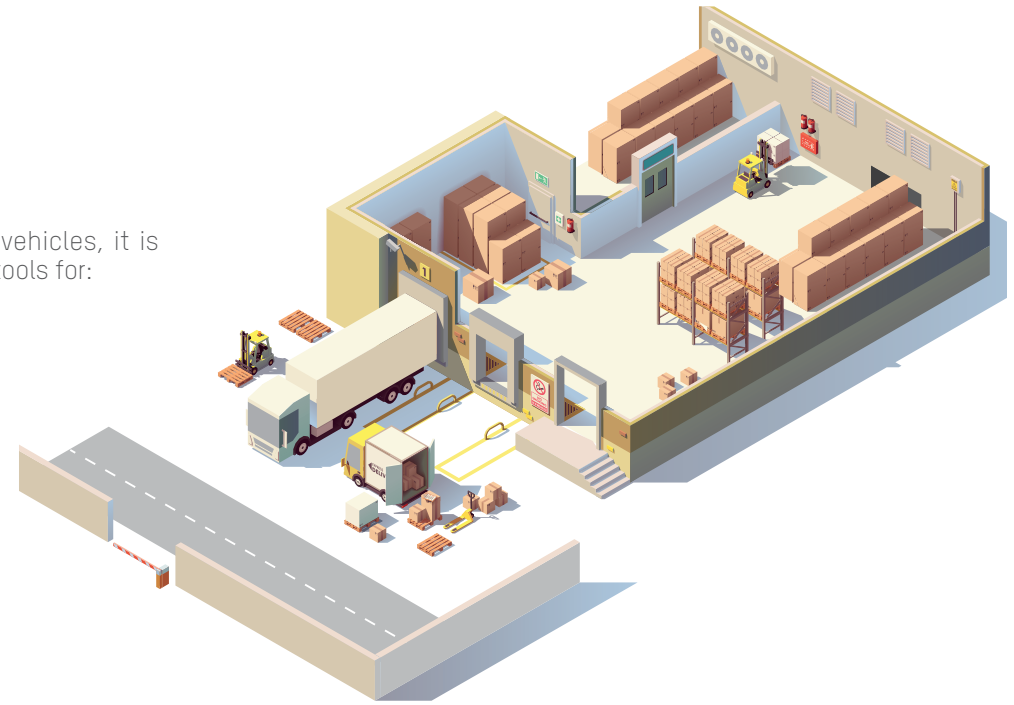
Click the dock icon on the canvas to play back videos on that dock.



## On-Site Driving Regulations and Management

As most of the daily routines within a logistics park are completed using vehicles, it is important to ensure road safety within the area. The Hikvision Solution offers tools for:

- Vehicle speed control
- Illegal parking



## Visualized dashboards and analysis for more efficient operation

The digital dashboard visually displays the overall condition of docks. Through historical data analysis, the management staff are able to optimize operational efficiency, schedule arrangement and staff scheduling, and narrow the gap between vehicle arriving and leaving, thus improving the overall operation efficiency of industrial parks.





# Warehouse management

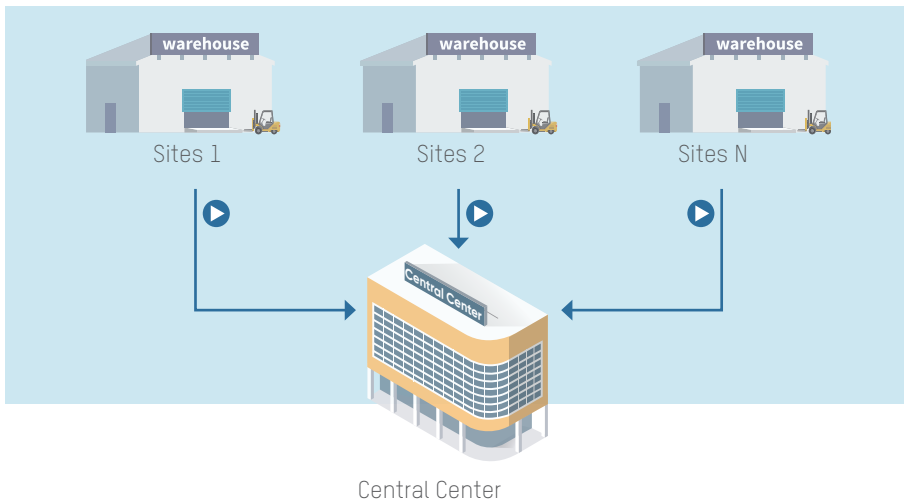
Quickly locate any problem with this visualized, trackable process

## Visualized Parcel identification

### 01 Scenario Merchandise flow across multiple sites

#### Requirements

In e-commerce businesses, for example, warehouse service providers often struggle to quickly clarify who is responsible for loss or damage and can be charged enormous penalties.



### 02 Scenario Goods flow in one warehouse

#### Requirements

With expensive or fragile merchandise, warehouse owners need to clarify responsible parties and procedures in each part of the process.



Warehouse Type A | Fulfillment Center  
Key Feature: Flexible Deployment



Indoor Monitoring Camera

Third-Party Scanner

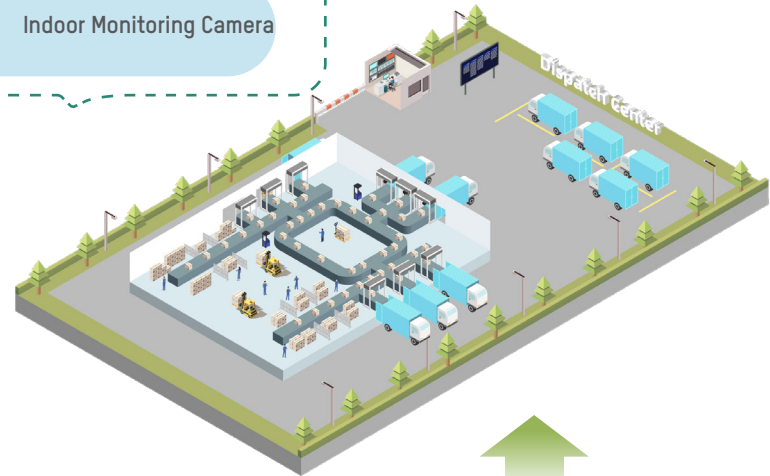
Scanning Unit

Scanning Unit

Smart Coding Reader



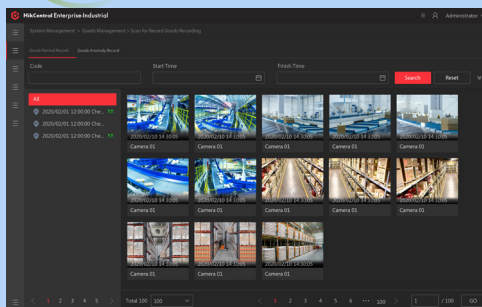
Indoor Monitoring Camera



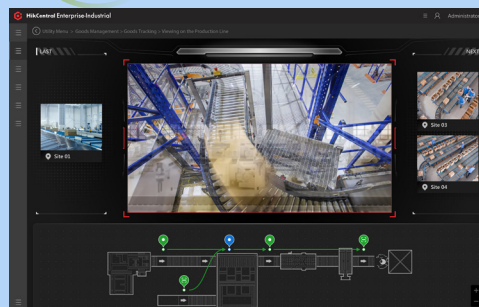
Warehouse Type B | Dispatch Center  
Key feature: High Speed Processing with conveyor belt



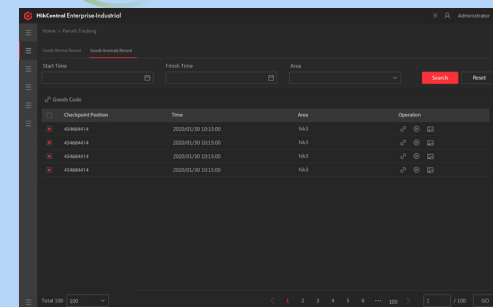
Abnormal Report for Daily Inventory



Parcel identification on Conveyor Belt



Search & Download video by Parcel ID





## Warehouse Fire Prevention

Flammable materials threaten warehouses and the often large amount of stored goods. In the past, security teams only received reminders after a fire. But by then, immense losses have already occurred.

With thermal cameras and smoke detectors, Hikvision offers a preemptive solution that helps to identify potential risks before disaster, making fire prevention smarter and more effective.



## Depot management

Reliably record and safely store all operations

## Perimeter Protection

When dealing with large areas that suffer from low illumination, using a thermal camera can provide clear video – even in zero-light environments.

For areas that require higher-level security protection, the combination of radar and dome camera brings both accurate radar and clear visuals together. The link between the two – radar accuracy and dome camera clarity – allows you to easily track any suspicious movements.

### Scenario 1

Low light and long distance



### Scenario 2

Areas with high security requirements



# Intelligent and Efficient Security Patrol

## On-site Patrols

Phase 1

The traditional on-site patrol methods suffer from several downsides:

- More manpower required
- Low efficiency as all the sites are checked manually
- Potentially dangerous for security to patrol areas with hazardous materials

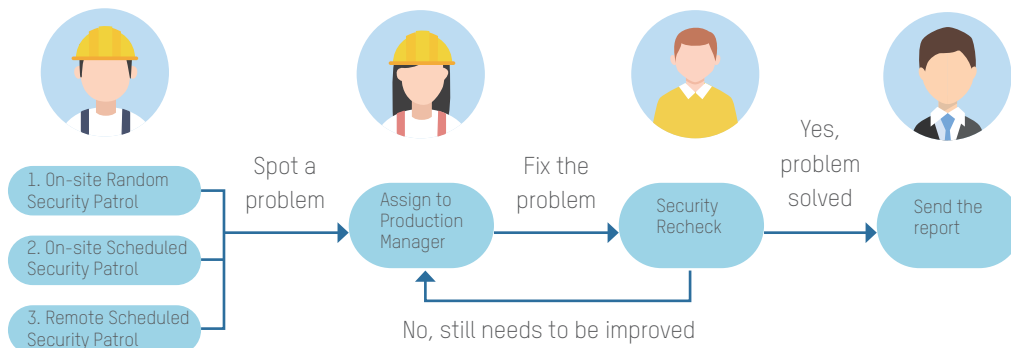
## Remote Patrols

Phase 2

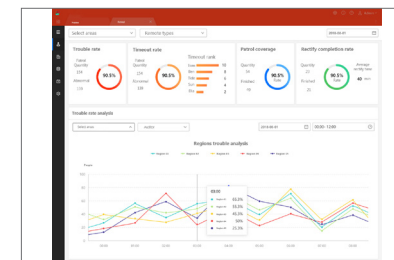
Remote patrols are safer and more efficient. Security or other managers can visually check all sites using high-definition cameras based on patrol schedules. Users can also enjoy the benefit of remote patrols with their existing security system. If an event is captured during a patrol, security guard receives notification and makes needed improvements.



## Workflow for the patrol and improvement process



## Reports for security manager and production manager



Comprehensive reports include all patrol tasks and process for security manager.

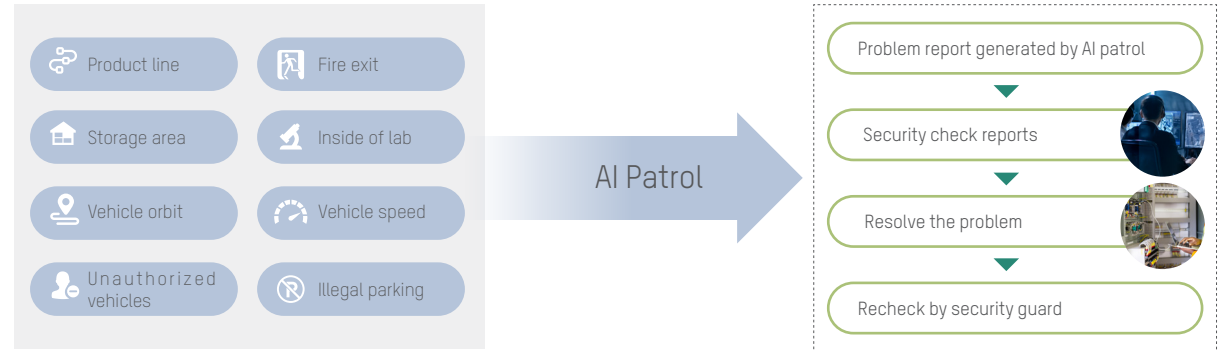


Reports detail each task for the production manager, who is responsible for resolving problems.



## Phase 3 AI Patrols

Artificial Intelligence Patrols add intelligence on top of remote methods – now security staff and managers do not have to manually check all video footage. The AI patrol will identify a problem when a captured image triggers pre-set rules. In the past, a security guard had to check images for all patrol locations. However, with AI patrol, only those that have an issue will be sent to security, vastly reducing labor cost. Security can then resolve that specific problem. AI patrols reduce manpower and offer a more intelligent way to quickly respond to any problem.



## Employee management

Protect visitors and staff while preventing property loss

Protective helmet



Eye wear



VIS clothes



Protective boots



Dust mask



Ear plugs



Safety gloves



### Hard Hat Detection

PPE stands for Personal Protective Equipment – protective-wear that ensures worker safety. Hikvision now offers intelligently detection of helmets or other PPE.

For example, the embedded hard hat detection can notify relevant personnel if a worker is found not wearing one where required. This helps to improve the safety level without requiring extra manpower to oversee.

## Access Management for Warehouses



Entering and exiting warehouses during rush hours

Workers usually wear gloves and/or carry merchandise, making it difficult to use authentication methods that require physical contact. Additionally, clocking in and out is time-consuming with large numbers of workers. If a card-based authentication is used, there is also the problem of fake attendance records.

Face recognition terminals now make access authentication accurate, efficient, hygienic, and impossible to counterfeit.



Quick and easy movement throughout the warehouse

In the warehouse areas, forklifts and other equipment constantly pass from one zone to another. Face recognition technologies offer a smooth and convenient way to access various areas, for example, through a roller shutter door, without having to have workers get down from the cart.

# Command Center

## Intuitive and Comprehensive Dashboard

With the 3D image of your logistics park at the center of the dashboard, you will see all operational data and activity in one place. Whether you're looking for statistics on operations, security, or employee performance, this dashboard has it all!



## AR Command Center

This AR command center is an efficient tool for you to quickly access real-time video feed for different areas – simply click on the tag to switch view window.

# Products Showcase



**4 MP IR ANPR Smart Surveillance Camera**  
iDS-TCM403-A

- ANPR
- 4 MP resolution
- Vehicle properties recognition



**4MP DeepinView Moto Varifocal Bullet Camera**  
iDS-2CD7A46G0

- 4 MP resolution
- DarkFighter technology
- 140 dB WDR



**8-inch 4 MP 40X DarkFighter Traffic Network Speed Dome**  
iDS-2VS435-F840-EY

- Multiple violations supported: **illegal parking detection, etc.**
- 4 MP resolution
- DarkFighter and 140 dB WDR



**4 MP IR Traffic Flow Camera**  
iDS-TCD403-BI

- **Overspeed detection**
- 4 MP resolution(1/1.8" CMOS)
- Multiple traffic data collection and output including queue length



**HikRobot 8.9 MP Smart Code Reader**  
MV-ID6089M-00C-NNG

- **Use for barcode reading**
- different codes
- CMOS sensor with high-quality image



**2 MP Darkfighter Varifocal Dome Network Camera**  
DS-2CD3D26G2T-IZHS

- Motorized varifocal lens for easy installation
- DarkFighter technology
- Deep learning based false alarm filtering





**Thermal Network Bullet**  
DS-2TD2137-25P1

- Detection for line crossing, intrusion, region entrance & exit
- Reliable temperature-anomaly alarm
- Advanced fire detection algorithm



**4MP DeepinView Moto Varifocal  
Bullet Camera**  
iDS-2CD7A46G0-IZHSY

- Use for dock management
- 4MP resolution
- DarkFighter technology and 140 dB WDR



**7" MinMoe Temperature  
Screening Terminal**  
DS-K1T671TM-3XF

- High-accuracy temperature measuring
- Face mask detection
- 7-inch LCD touch screen



**4 MP DeepinView Outdoor Moto  
Varifocal Dome Camera**  
DS-2CD7546G0-IZ(H)SY

- 4 MP resolution
- DarkFighter technology
- 6 behaviour analyses, 3 exception detection, and face detection



**32-ch 3U 4K DeepinMind NVR**  
iDS-9632NXI-I8

- H.265+/H.265/H.264+/H.264 video formats
- Deep learning based behaviour analytics
- Up to 32 IP cameras connectable and up to 16-ch 1080p decoding



**24MP 270° Panoramic & PTZ Camera**  
DS-2DP2427ZIXS-DE/440/T2

- 270° splicing image
- Panoramic camera linkage PTZ design
- Target filtering to reduce false alarms

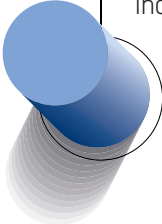
## About Hikvision

Since 2001, Hikvision has grown from being a single-product supplier to the world's leading provider of security products and solutions. From the early digital age to today's intelligence era, we have seized every opportunity to advance the industry with our innovative technologies. And venturing into new areas of inspiring technology – such as Artificial Intelligence, cloud computing, and the fusion of deep learning and multi-dimensional perception technologies, to name a few – Hikvision leads the security industry as an IoT provider with video as the core competency. Now we have brought these innovation to the logistics park market, combining them with partner technologies to provide state-of-the-art solutions.

## Hikvision Partner Ecosystem

Hikvision believes that close collaboration with its ecosystem of partners can further accelerate innovation, while also securing maximum value creation for its customers and their communities. A cornerstone of the ecosystem is the Technology Partner Program (TPP). Together, Hikvision and its technology partners combine expertise, skills, technological understanding, and industry focus to deliver optimum solutions, expand business scope, and increase profitability. The integration of Hikvision's innovative video technology with the technologies born out of these programs offers end-user customers with secure, customized solutions.

## Why Hikvision?




We aim to be experts in all industries we focus on, enabling us to design tailor-made **solution** that solve specific industry challenges



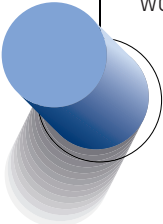
Our robust network of **eco-system partners** allows us to offer innovative and fully integrated solutions



We create **trust** in our solution by participating in industry organizations and providing extensive training programs for partners



5 year warranty, secure-by-design products and 3rd party **quality** certifications show our commitment to quality



We have an extensive **support** network, including fully equipped branch offices and R&D teams all over the world



Our broad multi-purpose product range provides **versatility** for tailor-made solutions



We aspire to use innovative technologies to contribute to the **sustainable** development of society and the environment. As a responsible corporate citizen we are dedicated to public welfare

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