



x

**HIKVISION**<sup>®</sup>

# **JOINT VALUE BROCHURE**

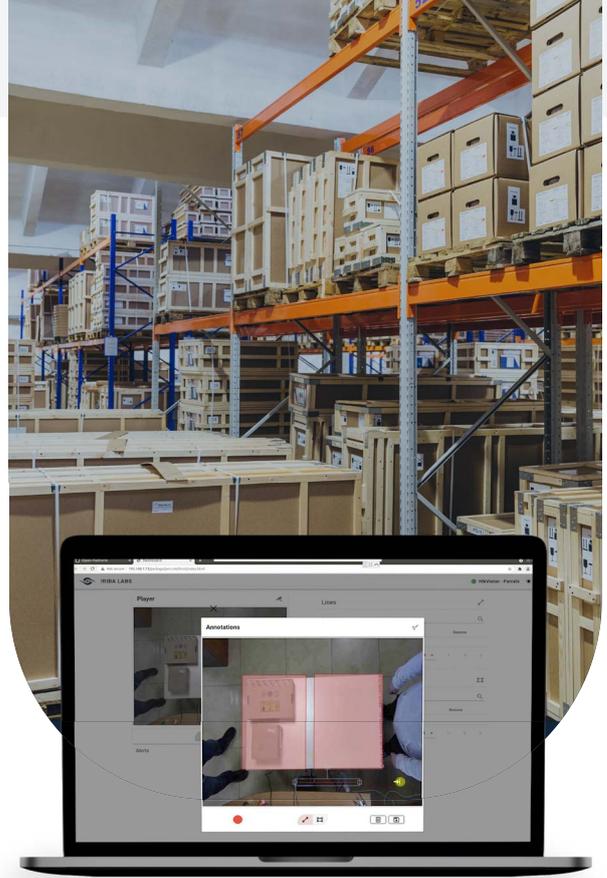
## **CREATING VISION AI SOLUTIONS TOGETHER**

Real-time edge AI analytics  
for warehouse and plant  
management

# About **PerCV.ai** Industry 4.0 Package

PerCV.ai Industry 4.0 Package for Manufacturing and Logistics is integrating cutting-edge ML models for pallet and parcel monitoring, product inspection, forklift and truck monitoring and PPE detection.

Paired with vision systems design, data management and ready-to-use deployment tools, PerCV.ai enables edge Vision AI in real time, empowering scalable vision solutions for identification, tracking, and 3D-pose estimation along with becoming the "smart eyes" of the manufacturing and logistics process.



## Technical Details

**Solution Type** Parking Management & Entrance Control System  
Video Analytics

### Integrated Hikvision Products

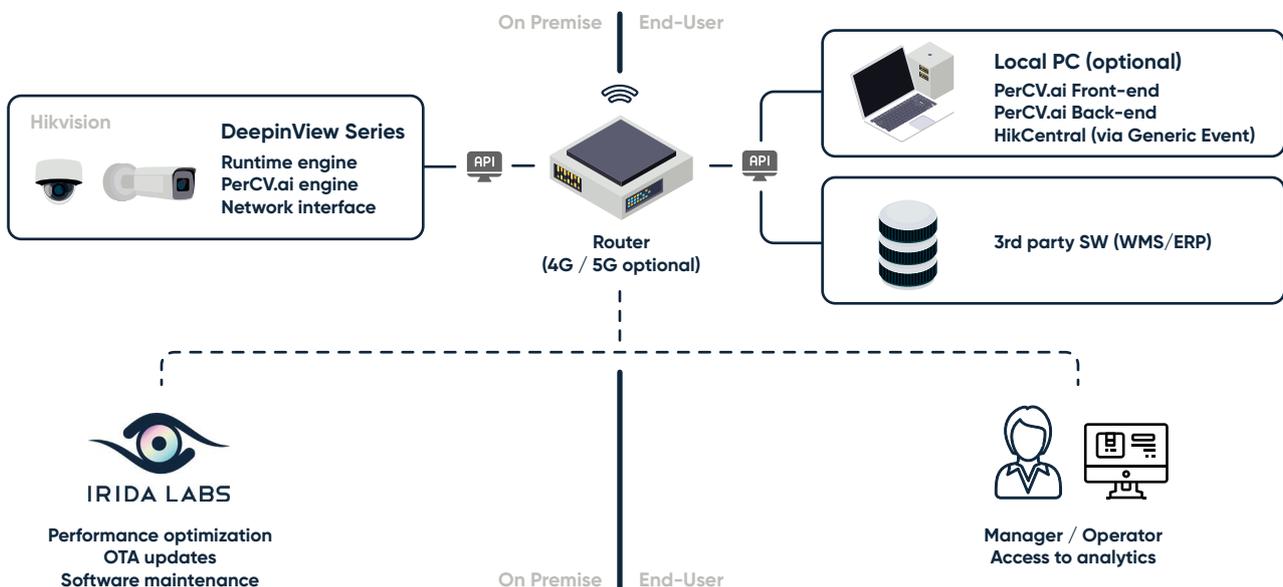
- ✓ HikCentral
- ✓ IP Cameras

**Integration Protocol** ISAPI, HEOP  
**Product Languages** English  
**Regions** Middle East & North Africa, Europe, North America

### Supported Product Models and Versions

Irida Labs: v1.0.0  
Hikvision: DeepinView iDS-2CD71x6G0-IZS(H)(Y)  
FW V5.5.100 build 210723

# Solution **Architecture**



# Key Benefits

## Parcel & Company-specific Pallet/Product Stock Monitoring

Real-time monitoring of occupancy and stock levels, and counting and tracking of parcels and products around a warehouse.



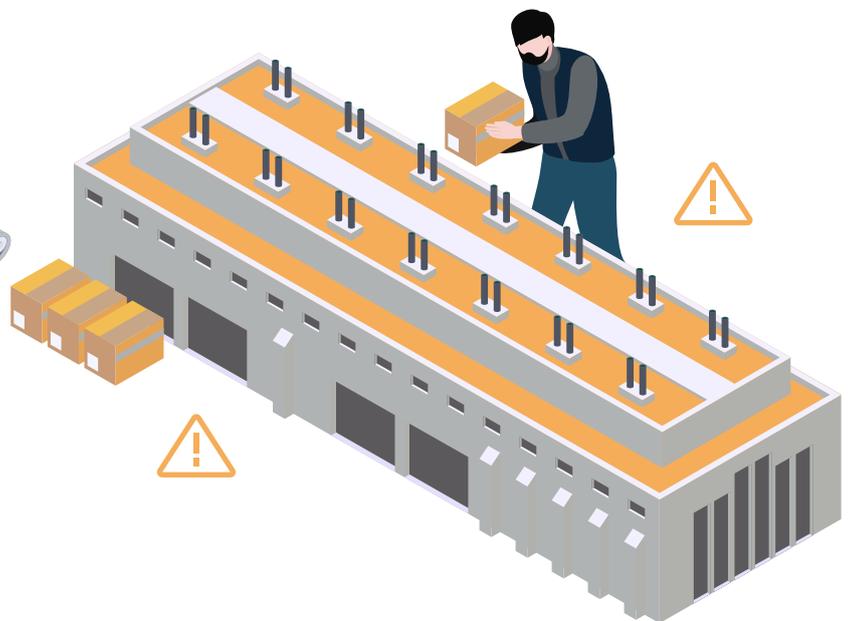
## Truck Loading & Ledger QA

Truck loading session recording and automatic counting of Parcel or Company-specific Pallets/Products for automatic ledger cross-checking.



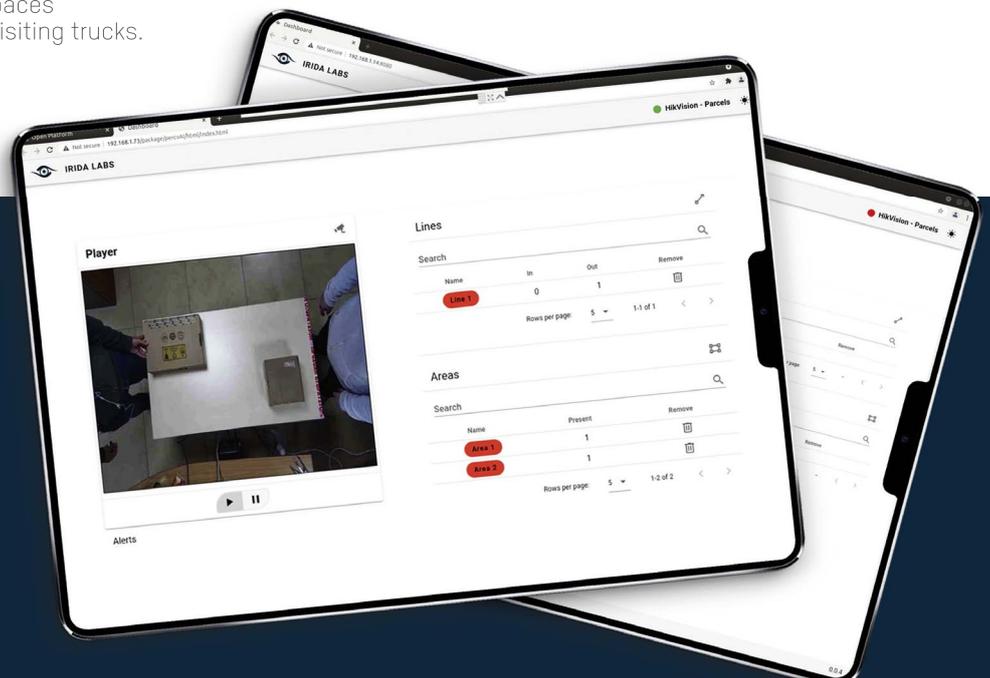
## Critical Equipment Interaction Monitoring

Monitor presence in unauthorized areas and provide real-time alerts whenever a person interacts with safety-critical infrastructure and equipment.



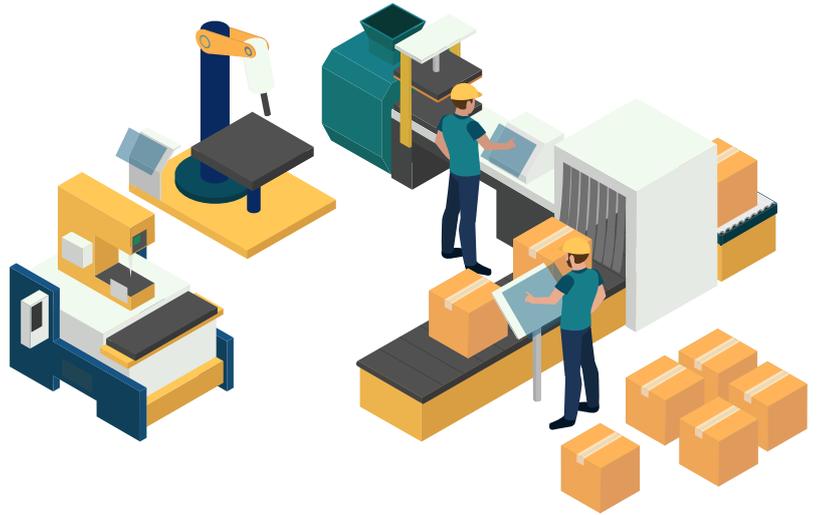
## Truck Parking Lot Monitoring

Real-time analytics on parking spaces and loading dock occupancy by visiting trucks.



## Product Inspection

Real-time QA for conceptual defects on conveyor belts, such as packaging tears & product spills



## Key Features



### 24/7 real-time analytics

Vision-AI powered SW provides intelligent analytics in real time for processes that before now relied exclusively on human expertise



Privacy-preserving process



### Edge processing only – no cloud needed.

With all the AI processing happening on the edge, sensitive and non-sensitive data remain safe at all times



Fast deployment in production



### Actionable business and process insights

AI-powered analytics enable unprecedented business insights and drive informed business decisions to the next level

**Irida Labs**  
X  
**Hikvision**

### Targeted Industries (Verticals)



Logistics



Manufacturing/Industry



## About **Us**

### **Hikvision Digital Technology**

Hikvision is an IoT solution provider with video as its core competency. At Hikvision, we believe that it's the close collaboration with our ecosystem of partners that accelerates innovation and development, while also securing maximum value creation for clients.

We work closely with hundreds of the best manufacturers of technical hardware and software systems in the security, automated manufacturing, and IoT industries. Our Technology Partner Program demonstrates how clients can use Hikvision technologies with full confidence that we provide vendors the right tools for comprehensive integration and compatibility with all our products, empowering our joint-value solutions to address pain points in various industries.

### **Irida Labs**

Irida Labs is powering vision-based AIoT sensors and solutions by bringing Vision AI at the Edge. PerCV.ai, our AIoT-optimized embedded AI vision software, uses computer vision and deep learning, transforming boundary boxes into real world vision applications and helping companies around the world develop scalable vision-based solutions.

Leveraging more than 10 years of expertise in AI, embedded computer vision HW and SW, vision system design and optics, we use our state-of-the-art USPTO patented technology in embedded vision and ML to provide support throughout the Vision-AI product lifecycle.



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