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Clients & Achievements















Construction Site Safety



Safety Helmet Detection

- Real-time detection of whether personnel are wearing safety helmets
- Automatic notification to the control center and on-site alerts if not worn
- Can be integrated with identity recognition to record violations

High-Visibility Vest Detection

- Detects whether personnel are wearing high-visibility vests
- Enhances recognition accuracy in nighttime or low-light environments
- Suitable for scenarios such as road construction and factory operations



Construction Site Safety



Fall Protection Hook Detection

- Uses image analysis to verify whether workers at height are properly secured with safety hooks
- Can be integrated with hazardous area detection systems to issue alerts for unsecured personnel
- Reduces the risk of fall-related accidents

Pedestrian Violation Detection

- Identifies pedestrians who fail to follow designated walkways or enter heavy machinery operation zones
- Prevents potential collision accidents through electronic fencing and image analysis
- Allows for customizable alert zones and automatic reporting to management



Safety Gear Donning Training



Firefighting Suit

- Heat-resistant and flame-retardant, designed for frontline personnel in fire and disaster scenarios
- Training focus: rapid donning, proper fastening, correct helmet and face shield wearing
- Can be integrated with image recognition to evaluate training procedures

Level A Protective Suit

- Fully encapsulated, gas-tight design providing the highest level of chemical protection
- Suitable for unknown or highly toxic chemical environments (e.g., toxic gas leak response)
- Training includes donning/doffing procedures, positive-pressure system operation, and performance testing

Level C Protective Suit

- Lightweight with chemical-resistant capability, suitable for known low-concentration chemical environments
- Used in combination with respirator and filter cartridges
- Training focus: rapid donning, correct use with respiratory equipment, and motion simulation



Facial Recognition System



Access Control

- Replaces traditional access cards or fingerprint scanners with facial recognition
- Automatically records entry/exit times, personnel identity, and photo logs
- Suitable for factories, office buildings, and temporary construction site entrances
- Integrated with attendance systems to enable contactless time tracking

Workstation Verification

- Employees must pass facial recognition to operate specific equipment or access restricted areas
- Ensures only qualified personnel can operate designated workstations or machinery
- Can be integrated with certification systems to strengthen compliance
- Provides risk management and accountability tracking

Smart Lock Control

- Combines facial recognition with smart locks to enhance security
- Replaces physical keys, passwords, or cards, reducing risks of loss or misuse
- Allows flexible applications such as time-based access and temporary lock/unlock permissions



CIC Camera Image Integrity Detection



Surveillance System Management

- Integrates various on-site CCTV cameras, AI recognition modules, and personnel tracking systems
- Supports centralized management across multiple sites and projects, with remote cloud access
- Connects with IoT devices to establish a smart construction site infrastructure

Construction Monitoring

- Allows automatic image capture at key construction milestones as proof of progress
- Automatically generates construction logs, progress comparison charts, and workflow transition records
- Provides real-time tracking and inspection tools for project owners

Safety Management

- Issues real-time alerts for pedestrian violations, unauthorized entry into high-risk areas, or missing protective gear
- Records violations for post-incident review and accountability
- Helps contractors manage on-site safety independently while enabling project owners to remotely monitor risks







>>> Safety Gear Donning Training



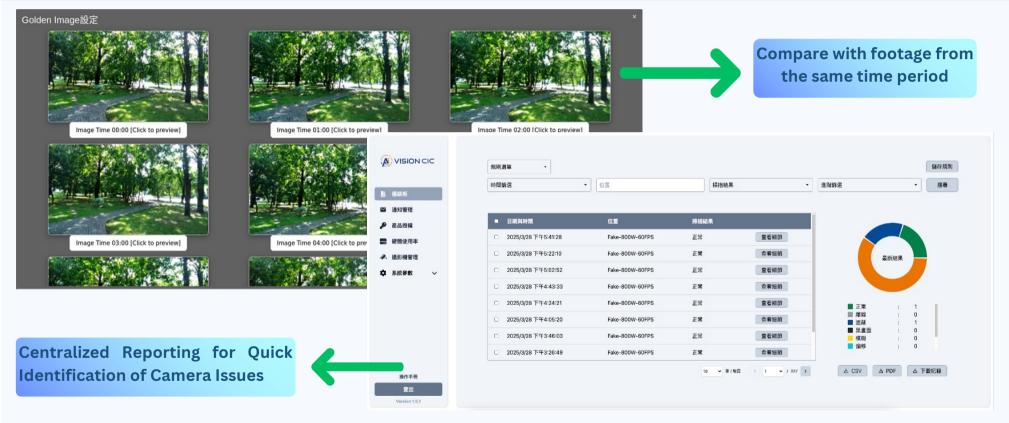




- 1. Personnel Training
- 2.Gear Donning Tests
- 3.Workflow Inspection



>>>> CIC Camera Image Integrity Detection





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Smart Enforcement in Factories





- 1. Factory Overspeeding Detection
- 2. Violation Detection for Not Wearing Safety Helmets
- 3.License Plate Recognition
- 4. Road Condition Monitoring



>>>> Sushi Pre-serving Inspection System





- 1. Order Detail Image Generation
- 2. Out-of-stock Check for **Restaurant Dishes**
- 3. Placement Rule Comparison





Instrument Recognition





Application Scenarios:

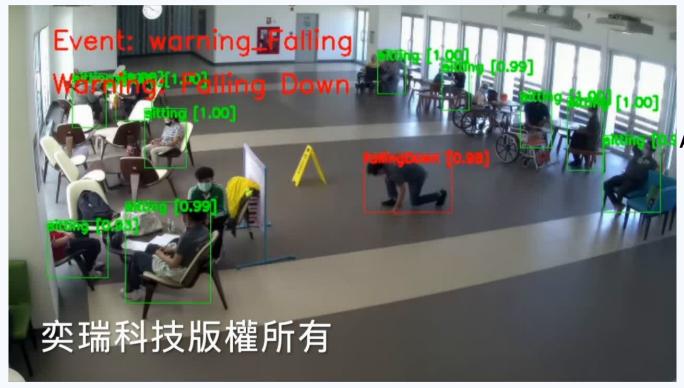
- 1. Analog-to-digital data conversion
- 2.Error-proof and tamper-proof data entry
- 3. High-frequency data acquisition
- 4.Integration with internal enterprise backend systems

Users capture instrument readings via mobile phone and upload them to the cloud server. The recognition engine processes the image and returns the results, while allowing users to adjust the values if necessary.





Fall Detection





- 1. Medical Facilities
- 2.Care Institutions
- 3. Elderly Living Alone



>>>> Workplace Safety Equipment System





- 1. Tank Truck Filling
- 2. Equipment Inspection
- 3. Workflow Inspection





Hazardous Area Alarm System





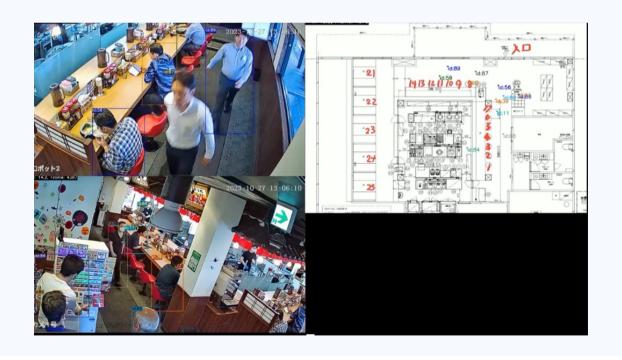
- 1.Clearance During Material Feeding
- 2. Equipment Inspection
- 3. Hazard Warning

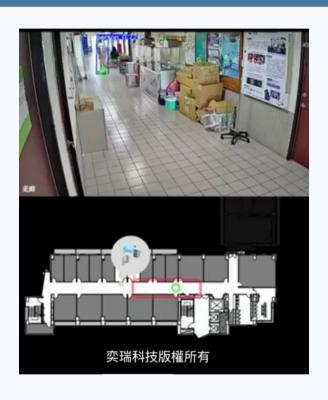




Cross-camera Tracking

- 1. Personnel Tracking
- 2. Personnel (Object) Positioning









LED Defect Detection



Application Scenarios:

- 1.LED Die Inspection
- 2.Customized Mechanical Structures
- 3.Secondary Inspection for Traditional AOI Systems

Marking Defect Locations

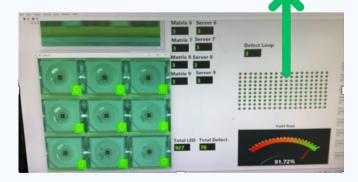
Captured Footage

Screen

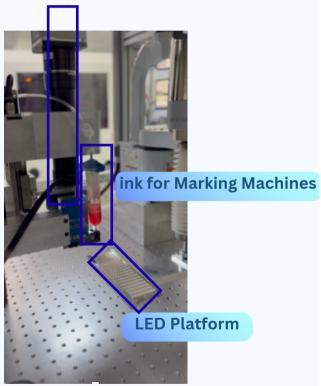
















Wire Defect Detection



Wire Printing Inspection



Terminal Connector Inspection



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Production Line Defect Inspection



- 1. Surface Defect Inspection for Various Products
- 2. Customized Mechanical Structures
- 3.Secondary Inspection for Traditional AOI Systems





Packaging Defect Detection



- 1. Adding Inspection Functions to Existing Equipment
- 2.Secondary Inspection for Traditional AOI





Client Self-labeling Platform



- 1. Customers can add data independently
- 2. Customers can define their own defect standards
- 3. Customizable user interface









CIC Inspection Abnormalities

- 1.Loss of Camera Connection
- 2.Blackout on Camera Feed
- 3.Image Flickering or Noise Interference
- 4. Visual Obstruction (such as leaves, nests, etc.)
- **5.Intentional Camera Movement**
- **6.Video Recording/Storage Malfunction**
- 7. Abnormality in Designated Area (e.g., obstructed IR detector)







CIC Key Benefits

- 1. Compatible with all camera brands
- 2.Low implementation cost
- 3.Customizable alert frequency and mechanisms based on requirements
- 4.Integrated AI algorithms to minimize false alarms
- 5.Labor cost savings
- 6.Report-based records for easier postevent investigation
- 7. Data available for big data analysis



EASIER MANAGEMENT OF ALL SITE VIDEO IN ONE PLACE!



Golden Image Comparison

Captures one image every hour, totaling 24 images per day

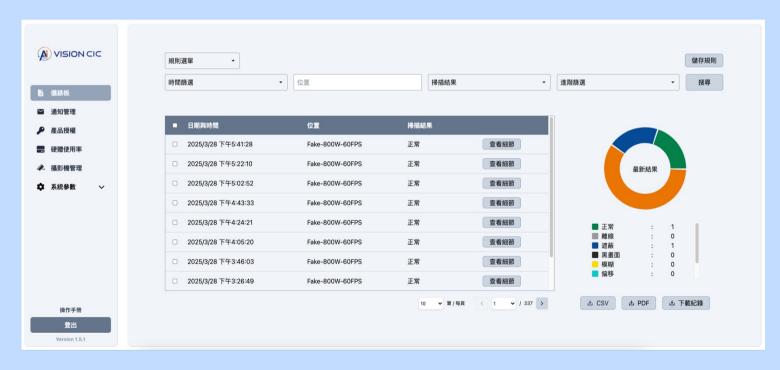






Report

Allows users to view the current status of cameras in the system and check for abnormalities.





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THANK YOU

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