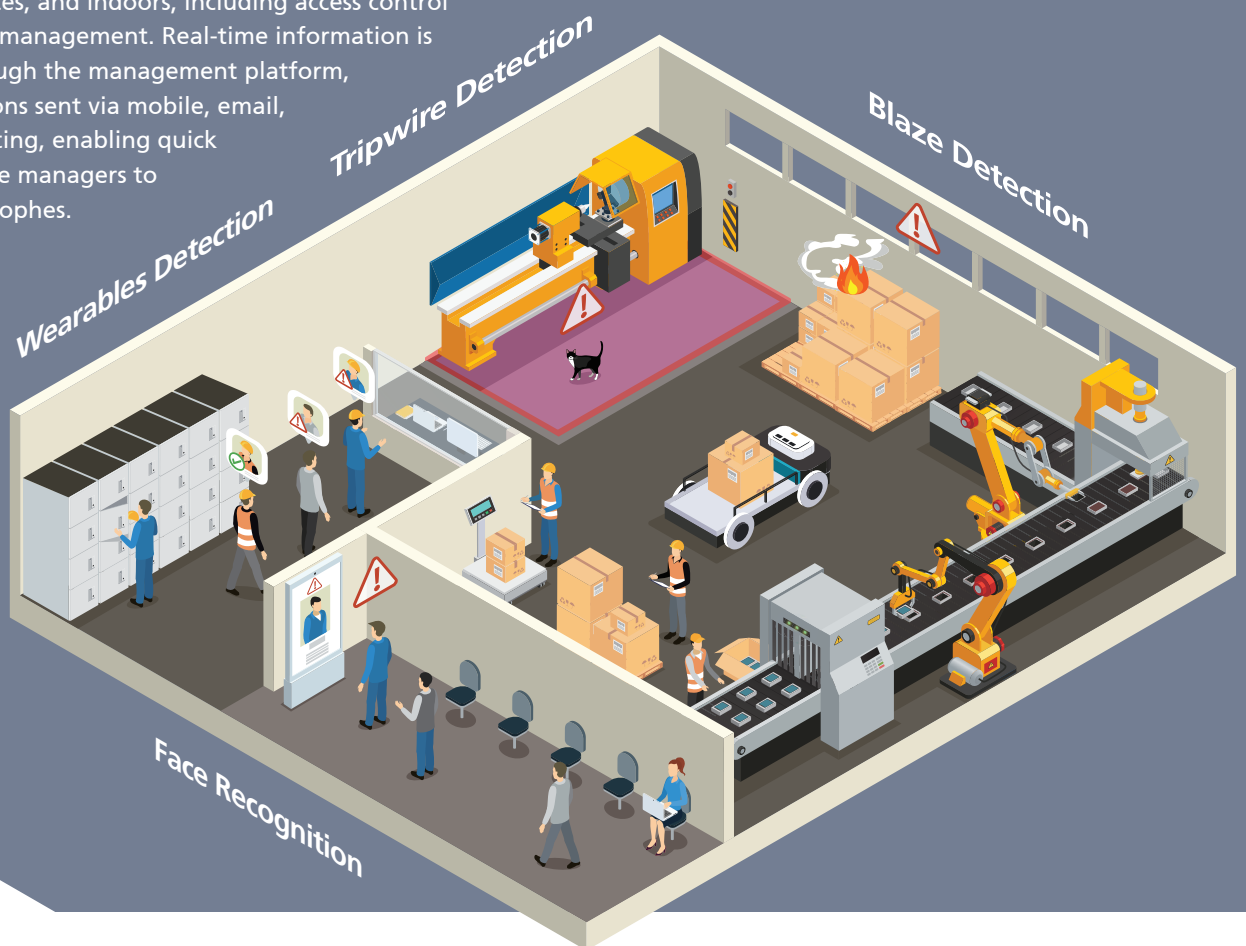


# VTK Complete security monitoring environment Public Security



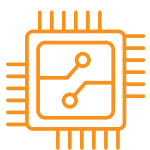
# VTK Public Security

The VTK series is an image recognition-based safety monitoring system used in various industries. It employs image recognition to detect potential hazards and promptly alerts responsible personnel, minimizing risks and losses. It offers risk management features for dangerous areas, such as rooftops, construction sites, and indoors, including access control and fire safety management. Real-time information is accessible through the management platform, with notifications sent via mobile, email, tablets, or lighting, enabling quick reactions by site managers to prevent catastrophes.



## Ready to use Edge AI Solution

VTK is a turn-key solution product that enables AI applications at the edge, such as traffic vision, surveillance, and factory automation. It enables real-time AI inferencing including video analytics, object recognition, and data processing, empowering businesses to make informed decisions swiftly with precision.



### Industrial Grade Hardware

Enhanced reliability, durability, and performance providing long-lasting value to businesses.



### Comprehensive Ecosystem

Diverse of hardware and software combinations suitable for all application scenarios.



### Easy Deployment

Ready to use system integrated AI platforms with pre-trained models and tools.



### Enterprise Reliability

User friendly, seamless and dependable operations for your business.

# Application Scenario



## Face Recognition

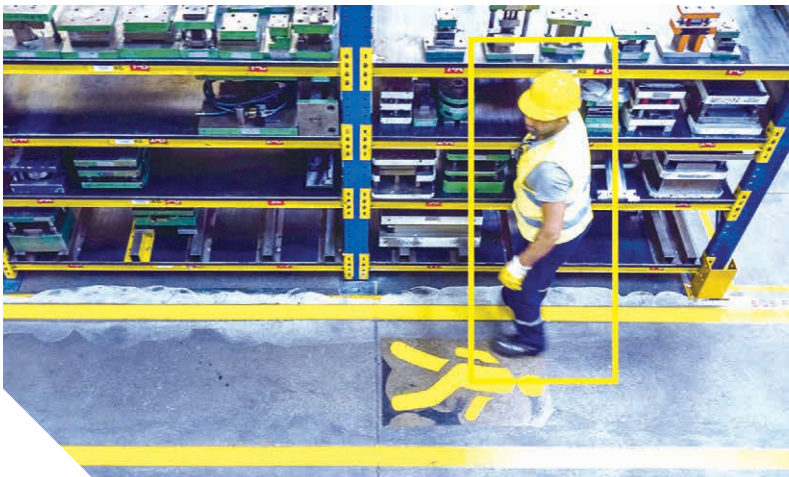
VTK face recognition combines access control with advanced features.

- Complete attendance functions
- Blacklist/whitelist notifications
- 3D liveness verification
- Access control management

## Wearables Detection

VTK wearables detection system addresses safety concerns in construction sites by enforcing compliance with regulations.

- Detection of wearing helmets/ safety vests
- Detection of wearing safety protection equipment



## Tripwire Detection

VTK tripwire detection utilizes AI algorithms to detect and raise alarms when specific objects enter dangerous areas.

- Customizable detection regions
- Restricts trespassing in different environments
- Immediate notifies responsible personnel

## Blaze Detection

VTK blaze detection employs AI algorithms to accurately identify smoke and flames.

- Immediate alarms upon fire detection
- Emergency management
- Remote confirmation of real-time conditions



# Product Specification For Standard VTK Public Security, We provide...



## Mini Bullet Network Camera

- Max. 5MP(2592x1944) @30fps resolution
- Built-in 2.8mm megapixel fixed lens
- Built-in IR illumination, effective up to 30 meters
- True WDR for better visibility
- IP67/IK08-rated protection



## ECX-3400 PEG

- AI Computing System
- Intel® Core™ i7-13700TE Processor
- DDR5 SO-DIMM 4800MHz 32GB
- NVIDIA GeForce RTX3050, 2560 cuda core
- Window 11
- 4 2.5G PoE+, 6 USB3.2 Gen2



## Face Recognition

- VIP list / Blacklist
- Custom warning or welcome message
- Group management
- Absence management

## Blaze Detection

- Smoke Detection
- Fire Detection

## Tripwire Detection

- ROI (Region of Interest) dynamic detection
- Boundary (Fence) Detection
- Direction Detection

## Wearables Detection

- Human detection
- Safety protection equipment detection

We support custome hardware configuration and AI applications, please contact Vecow at [sales@vecow.com](mailto:sales@vecow.com) for more detail.