



ONE VISION

SMART CAMERA SURVEILLANCE SOLUTION

ONE Vision is the smart camera surveillance solution developed by VNPT Technology, includes IP camera, AI box, management system and applications. With the goal of providing a safer life, ONE Vision meets all the monitoring needs of home and enterprises as well as solving traffic management and public security problems.

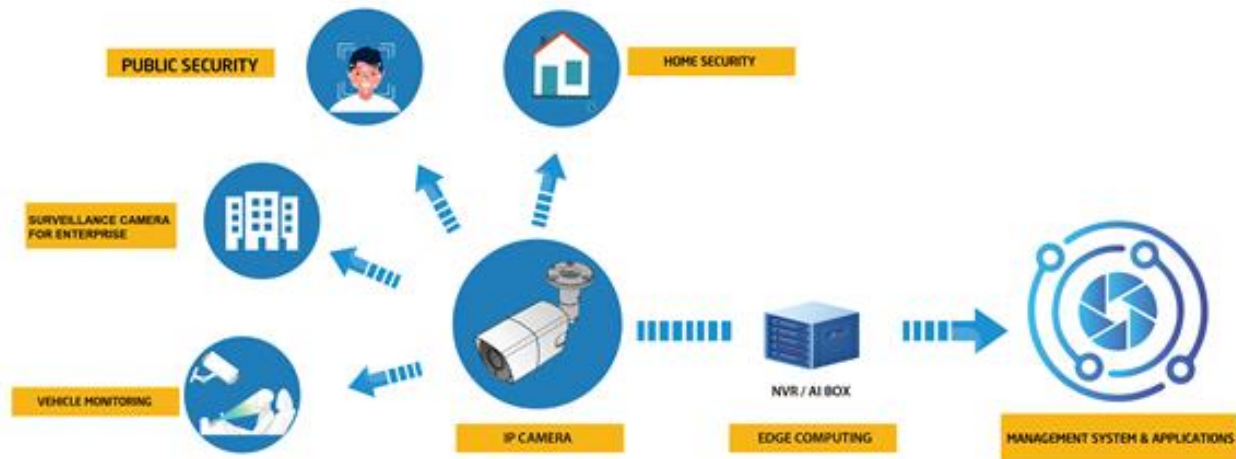
Not only works as an independent system, ONE Vision can integrate with third-party systems and combine with other solutions such as smart home, smart agriculture, smart transportation, smart city, etc. to meet the diverse needs of customers.

PRODUCT HIGHLIGHTS

- Allow to proactively select IP cameras to keep up with demand, independent with vendors
- Intelligent video analytic: motion detection, facial recognition, object detection, intrusion detection, line-crossing detection and loitering detection, etc. and real-time alert
- Flexible deployment models, easy to integrate with 3rd systems
- Optimize CAPEX and OPEX

TYPICAL DEPLOYMENT MODELS

With open and flexible design, ONE Vision allows customers to proactively select devices (IP camera, NVR, AI box) to keep up with demand, independent with device vendors; easily integrate with other systems to create any vertical application.



FEATURES

Account management and access control

- Role – based access control (RBAC) with role hierarchy (unlimited levels)
- Attribute – based access control (ABAC) such as surveillance area, camera group

Camera management

- Add a camera/ Add list of cameras using batch file
- Location management on digital map

- Camera configuration
- OTA update
- Support ONVIF profile S

Live view

- Real time monitoring on multi screens: smartphone, tablet, PC and video wall
- Gallery view with up to 36 video streams/screen
- ABR (Adaptive bit rate) and VBR (Variable bit rate)

- Voice recording
- 2-way audio
- Pan – tilt, zoom
- Timeshift

Recording and Storage

- Support manual recording and scheduled recording
- Capture the screenshot
- Encrypt and manage recorded video and pictures
- Store data (videos, pictures) on cloud, SD card and smartphone

IVA (Intelligent video analytics)

- Crowd and queue detection based on attributes: person detection, people counting, minimum number of people in a crowd/queue, etc.
- Person detection and tracking
- Heat-map analysis in stores,

Others

- Visual reports
- Backup, restore and system monitoring tools

shopping malls, stations, etc.

- Intrusion detection, line-crossing detection and loitering detection
- Object detection: Detect idle/removed objects within a configurable time span
- Abnormal behaviors detection
- Facial recognition and person tracking
- Detect fire/explosion risks
- License plate recognition

Alert

- Record events automatically and send alerts
- Set up notification channels: local, application, email, SMS, call

CAMERA SURVEILLANCE SOLUTION FOR ENTERPRISE

Human management

- Support human resource management: Access control, clock in/out, absence management, time management, etc. by facial recognition
- Analyze and detect unsafe events or abnormal behaviors to give recommendations

Asset management

- Parking:
 - Combine license plate detection and facial recognition to manage employee's vehicles
 - Detect and identify illegally parked vehicles at no parking area
- Warehouse:
 - Access control, in/out people counting based on facial recognition and intrusion detection
 - Identify and count items are in/out the warehouse
 - Detect goods when it is in wrong place or improperly arranged affecting safety
 - Detect wrong actions or errors in the manufacturing process
 - Detecting behaviors that may affect production activities or safety of workers in the production line
 - Predict frauds in stores and send alert to the seller

Enhance safety and security

- Analyze video from camera to detect fire risks and alert automatically
- Detect unallowed objects at restricted areas
- Detect abnormal behaviors: climb over the fences, breaking doors, entering forbidden areas, loitering, etc.

System management

- Camera management based on location and area
- Role based management with hierarchy model
- Real – time system monitoring

PUBLIC SECURITY SOLUTION

Traffic monitoring

- Indoor and outdoor cameras are installed at the main roads and intersections to monitor traffic
- Detect license plate and send the evidence of traffic violations to the police

Administrative offices and public areas supervision

- Indoor and outdoor cameras are installed at the public areas such as: market, station, administrative offices to make certain that everything is done correctly, safely
- Supervise administrative offices
 - Access control and time management based on facial recognition
 - Monitor to assess quality of public administrative services and support resolving citizen complaints
- Supervise public areas
 - Calculate the population density within a designated area. If the density exceeds the preset threshold, alarm notification will be shown.
 - Detect abnormal behavior, such as sudden running, wandering, or intrusion, via video streams; Generates direction of travel movement on the GIS map

Sensitive areas supervision

- Outdoor cameras are installed at the sensitive areas to detect violations of the

rules

- Monitor and detect theft and vandalism
- Record video, take pictures and send the evidence of violations to the police

Control center

- Centralized real-time monitoring from control room
- Hierarchical management based on roles and areas (ward, district, city)
- Synchronize videos from multiple cameras, in multiple locations to create a comprehensive view of an event

VEHICLE MONITORING SOLUTION

Driver behavior monitoring

- Monitor the driver in the cabin
- Detect unsafe behaviors
 - Making phone calls
 - Smoking
 - Fatigue driving
 - Absent – minded

Front view/ Back view/ Rear view monitoring

- Keep eyes on your fleet 24/7 to make it instantly safer
- Record accidents, capture vehicles passing and capture vehicles license plate

Passenger monitoring

- Indoor cameras are installed at the front door and back door to monitor passenger
- In/Out people counting
- Access control based on facial recognition for school bus monitoring

System operation and monitoring

- Track your fleet on a map in real time
- Get online and email notifications for predetermined events
- Real – time system monitoring

CUSTOMER CARE & TECHNICAL SUPPORT CENTRE

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