



**TVT**

# NVMS 2.0

SMART VERTICAL  
INDUSTRIAL SOLUTIONS

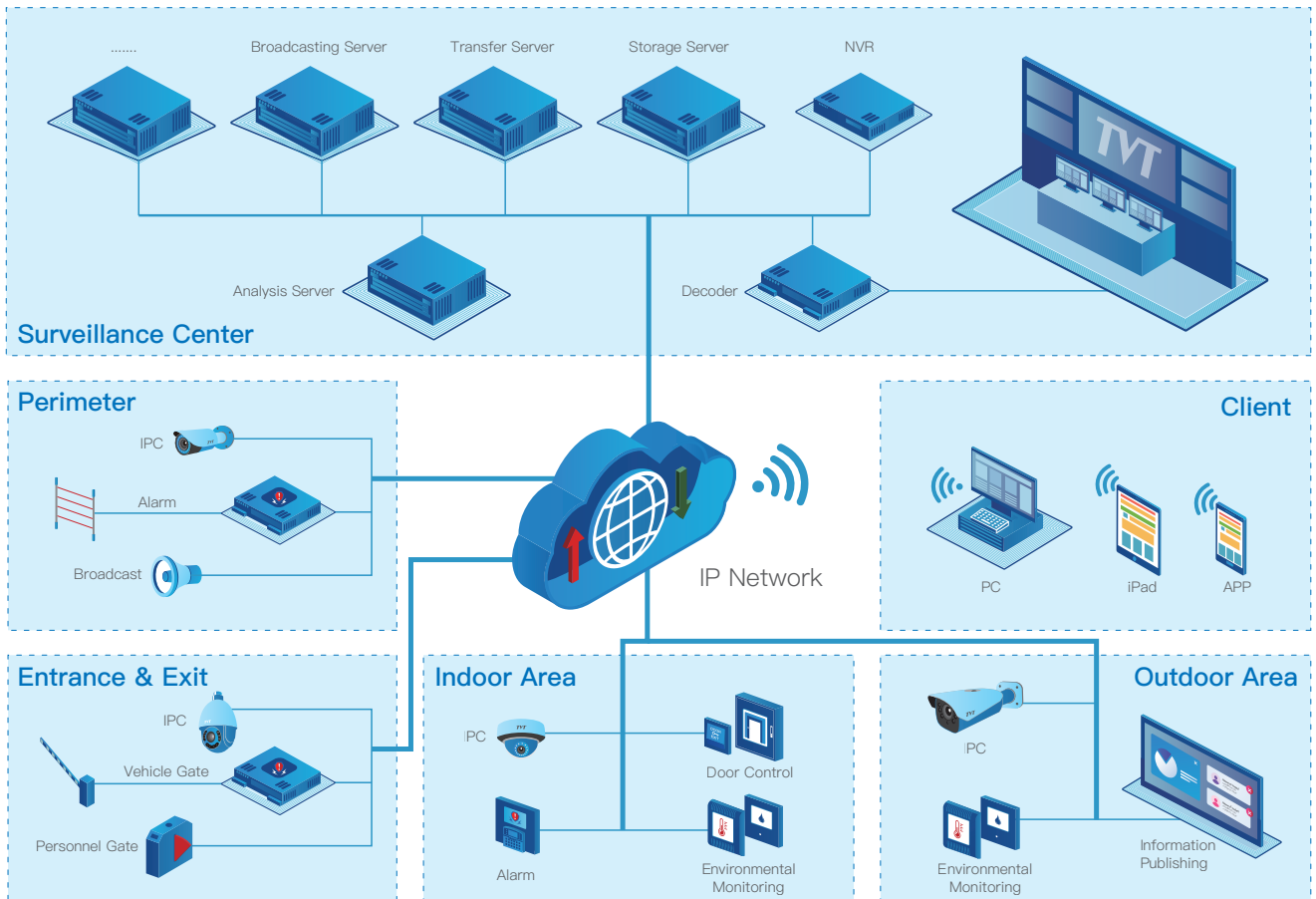
SHENZHEN TVT DIGITAL TECHNOLOGY CO.,LTD

# SMART INDUSTRIAL ZONE

TVT Industrial Zone solution integrates video surveillance subsystem, intelligent card subsystem (including access control, attendance, visitors, etc.), vehicle management subsystem, intrusion alarm subsystem, dynamic environment monitoring subsystem, etc. Based on people, vehicle and property management inside the zone, this solution can rapidly improve the daily business, achieve efficient security management and greatly reduce administration cost.



## ▶ TOPOLOGY ◀





## Video Surveillance

TVT can offer “one-stop” video surveillance solution, includes big portfolio with regular products like IPC, NVR,HD camera and DVR, also full series with NVMS devices such as storage, all-in-one platform, decoder, and keyboard, can do lots of flexibility and match various needs.

## Burglar Alarm

Integrated with different alarm hosts, it effectively keeps away with perimeter and indoor intrusion:

- Supports various alarm linkage, such as snapshot, recording tag, pop-up and TV wall decoding.
- Supports protection, removal, alarm search and alarm processing in the related area.

## Vehicle Management

Supports to set vehicle entrance and exit inside the industrial zone, and make proper management:

- Embedded with flexible charge and discount proposals, supports regular and temporary membership management, data statistics and summary report as well.
- Supports block list surveillance and car plate tracking search
- Supports alarm triggering and system linkage with illegal parking

## Audio Broadcasting

Base on integration with TCP/IP network broadcasting system

- Supports operations with partitioned broadcasting ,remote control and timed task
- Supports partitioned broadcasting triggered by alarm linkage.

## Face Access Control

Base on visitor checking-in, face access control and face barrier, TVT releases advanced face access control solution.

- Supports remote face appointment , and self-check in after ID recognition.
- Supports unconscious pass by face recognition, with flexible authority for staff and visitors.
- Supports block list surveillance, real-time alarm push and tracking playback afterwards

## Dynamic Environmental Monitoring

Supports integration with dynamic environmental monitoring host, related data can be overlaid to video and easily viewed in real time:

- Support data such as PM2.5, wind speed, temperature, humidity;
- Supports data search and chart statistics;
- Supports data abnormal detection;
- Supports remote control for dynamic environmental air conditioning.

## Face Patrol

Base on AI face recognition technology, together with E-map, can easily achieves visual patrol

- Supports patrol route edit and task assignment
- Supports patrol data search and video rechecking

## Information Publishing

Supports integration with TCP/IP information, can remotely publish the information with video, picture, audio and text.



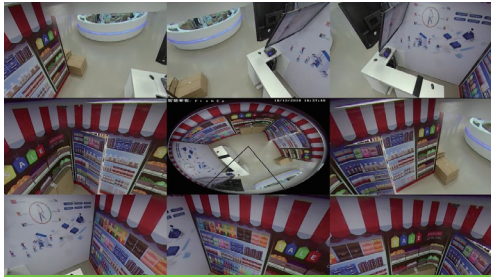
# SMART RETAIL

Traditional video solution can manage the property security for retail industry, however, it is far from enough nowadays. An intelligent consumer analytics system that base on big data is badly needed. Taking the business improvement as 1st priority, TVT smart retail solution combines intelligent face recognition with advanced big data analysis algorithm, it can greatly help dig out potential selling points, identify valued consumer groups, improve the service and ultimately achieves business growth for retail stores.

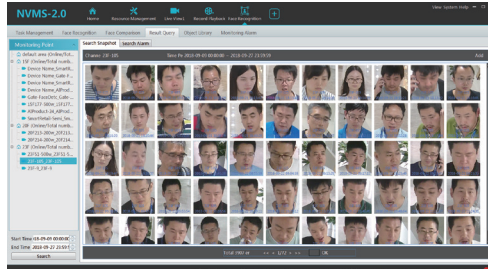


- AI Oriented
- Integrated Data
- VIP Identification
- Innovative Service
- Good Experience
- Additional Value

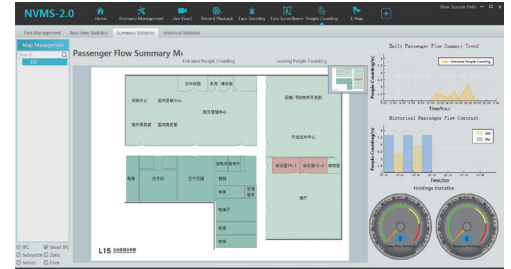




Panoramic View with Fisheye



Block List Surveillance



Flow Monitoring

## Panoramic View with Fisheye

- With ultra-wide angle lens, archives 360°panoramic surveillance without blind spot.
- Adopted with latest hardware dewarping algorithm, can make correction for full view or a part of it.

## VIP Greeting

Base on face recognition technology, easy for VIP management and greeting:

- Supports VIP recognition, then linkage with audio greeting.
- Supports VIP visiting records and expense-tracking search

## POS Text Linkage

POS text can be overlaid on the video on related channels, very easy to review cashier information and consumption record.

- Supports key words search, such as product name or price ,and the result can be exported
- Supports POS event linkage and playback, can identify the operating omissions by video.

## Block List Surveillance

Supports block list surveillance for the suspects, with real-time notification:

- Supports different ways for face library import , and library can be shared among different branches
- With face surveillance, can trigger alarm in real time.
- Supports historical record search and tracking playback

## Customer Flow Statistics

- Supports people counting within specified area and builds daily flow graph in real time .
- Historical statistics can be viewed and exported by channel or time
- Supports line graph and histogram graph for daily/monthly/-yearly report.

## Remote Store Patrol

The manager can remotely supervise the store via APP:

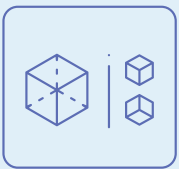
- Supports real-time preview on APP, can monitor the store remotely.
- Supports schedule snapshot and record, achieves automatic store patrol by record search afterwards.
- Supports real-time alarm push on APP, can handle the issues on time.

# NVMS 2.0

NVMS2.0 is newly Comprehensive security management platform, it properly supports all TVT products and other devices from the main players in global market, this new system is equipped with powerful video monitoring capability ,supports real-time preview, centralized recording, local and remote playback, backup, alarm linkage, TV wall, keyboard control, intelligent analysis, etc. And it is built with open system architecture , can provide SDK/OCX for third party integration , such as alarm system, access control system, dynamic monitoring, door phone , E-fence, and other subsystem. Besides, this platform supports various AI applications, such as face solution (face access control, face surveillance, face attendance and face greeting), people counting, behavior analysis (item care, area invasion), etc. NVMS2.0 can be widely used for large and medium-sized video surveillance system, for example, park, school, bank, chain store, commercial building and other industries.



## NVMS 2.0 Key Features



### Various Software Form and Flexible Solution

Supports Windows/Linux/Mac OS, includes pure software and embedded devices.



### Comprehensive Security Integration

supports access control system, burglar alarm system, attendance system, intercom system, electronic fence, RFID, dynamic environment monitoring and Parking system.



### Advanced AI+ Applications

face recognition, People counting, behavior analysis, video structuring, etc.



### Open Architecture Design

supports Android/iOS/Windows/Linux version SDK/OCX(C++/Java/c#) for 3rd party integration, as well as latest ONVIF protocol



### Multiple Clients:

B/S client, C/S client, Android, IOS client.



### Multiple Version

Professional, Standard, Lite

# AI SOLUTIONS



## Face Access Control

Taking the main advantages of AI face technology, TVT release the whole face access control system including visitor checking-in, face access control and face intelligent barrier. With advanced AI algorithm and reliable devices, it ensures good experience with unconscious pass.

**PRODUCT :** NVMS 2.0 AI , face detection camera , face recognition NVR , face access control, Face intelligent barrier.

**APPLICATIONS :** Community , office building, factory and school

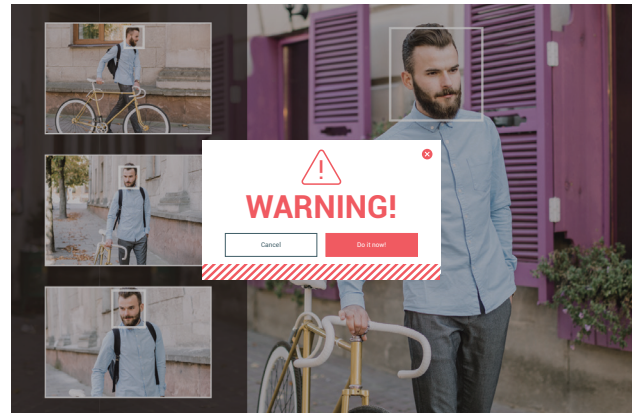


## Face Surveillance

With the key features such as face search, real-time face recognition, allow list and block list alarm and face track with image & online map, TVT face surveillance solution can efficiently improve the security management.

**PRODUCT :** NVMS2.0 AI, face detection camera, face recognition NVR.

**APPLICATION :** Industrial zone , smart city



## Face Greeting

Combined the features with face recognition ,voice prompt and text message display , TVT greeting solution can offer fresh and comfortable greeting service for VIP groups without staff attendance.

**PRODUCT :** NVMS 2.0 AI, face detection camera

**APPLICATION :** Company ,supermarket and exclusive shop

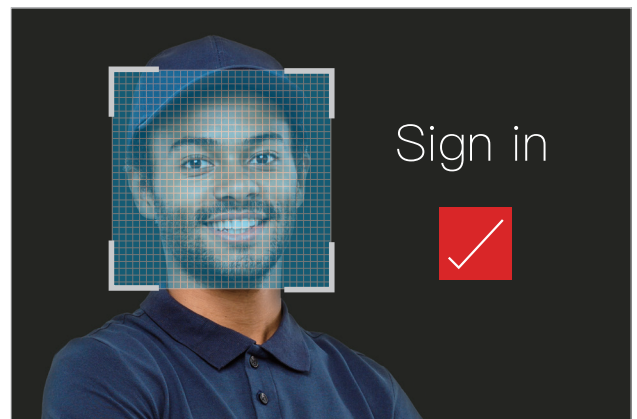


## Face Attendance

Base on face detection and recognition, TVT face attendance solution can support afterwards review with both snapshot and video , also can search and export the attendance report. It makes sure efficient and precise attendance management.

**PRODUCT :** NVMS 2.0 AI, face detection camera

**APPLICATIONS:** Office, industrial zone and hospital



# Vertical Industrial Solution

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## Real Estate:

Commercial Complex Surveillance Solution  
Office Building Surveillance Solution  
Community Surveillance Solution  
Industrial zone Surveillance Solution  
Construction site Surveillance Solution

## Education:

School Surveillance solution

## Others:

Hospital Surveillance solution  
Bank Surveillance solution  
Chain store Surveillance solution  
Shop Mall Surveillance solution

# Successful Story

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## Government :

- EU-Turkey Custom ( Bulgaria )
- Don Mueang International Airport ( Thailand )
- Thessaloniki Central Police Station ( Greece )
- Auto Schunn-Mercedes Benz showroom ( Romania )
- Kazakhstan National Academy of Sciences ( Kazakhstan )
- China Radio and Television Administration ( Beijing, China )
- State Administration of Foreign Exchange ( Beijing, China )
- Jiuquan Satellite Center ( Gansu, China )
- .....

## Education :

- NAVAK(National driving academy) ( Serbia )
- Scoala Mihai Eminescu ( Romania )
- Colegiul Național"Elena Ghiba Birta" ( Romania )
- Harbin Medical University ( Harbin, China )
- Hunan University ( Changsha, China )
- National University of Defense Technology ( Beijing, China )
- Xiamen University ( Xiamen, China )
- Southwest University of Science and Technology ( Sichuan, China )
- .....

## Supermarket and Chain Store

- Supermarket ACA ( Romania )
- AK-BLAK Market ( Kazakhstan )
- Planeta Sport Chain shop ( Macedonia, Serbia & Albania )
- GALEN PHARM Chain shop ( Serbia )
- 7-Eleven Chain Store ( Indonesia )
- Jack in the Box ( USA )
- Qvattro Chain Shop ( Serbia )
- Puzata Hata Chain Store ( Ukraine )
- .....

## Others :

- Edesma Factory ( Greece )
- Tek"Kazakhstan"Fuel Warehouse ( Kazakhstan )
- Over 50 branches Casino ( Czech Republic )
- Logistic Center in Prague, Olomouc, Hradec Králové & Brno ( Czech Republic )
- PFA RAD Milk Factory ( Romania )
- Poprad Business Center ( Slovakia )
- Holiday Inn Belgrade ( Serbia )
- Hotel Excelsior in Venice ( Italy )
- .....