

TVT



GAS STATION

OVERVIEW

With the improvement of people's living standards, the number of private cars is increasing. Thus, we have higher requirements for the gas station in the aspect of the convenience and efficiency.

So, how to intelligently manage the gas station and improve the quality of service faces a challenge. Integrated with the AI algorithm, TVT gas station solution provides all-round video monitoring to ensure the security of the station. With the help of this system, the station master can maintain the public security and discover hazardous events.



SOLUTION DETAILS



Refueling Area + Car Washing Area

Vehicles get in and out of the refueling area too often. Due to its special environment and metal structure, higher requirements are needed for the monitoring devices.

Car washing area is very moist due to the usage of the water cannon. There is a cloud of fine spray coming up from the water cannon so often.



Monitoring + Anti-Static + Water-proof

- Monitor vehicles and refueling machine by using high-definition camera, convenient to trace the key information when disputes occur.
- TVT' s IPCs are designed according to the professional surge protection and voltage transient protection standards, which can solve the problem caused by static and unstable voltage in the area with a lot of metal.
- TVT' s IPCs support IP67 protection grade, which can work normally even in the damp condition.



Store Entrance

At the store entrance, except the video monitoring, it is also need to prevent the thief and robbery in advance.

Face Recognition

- At the entrance, clear images will be provided in the high contrast condition by using a face recognition camera.
- Identify the blacklisted people in advance and send an early warning.

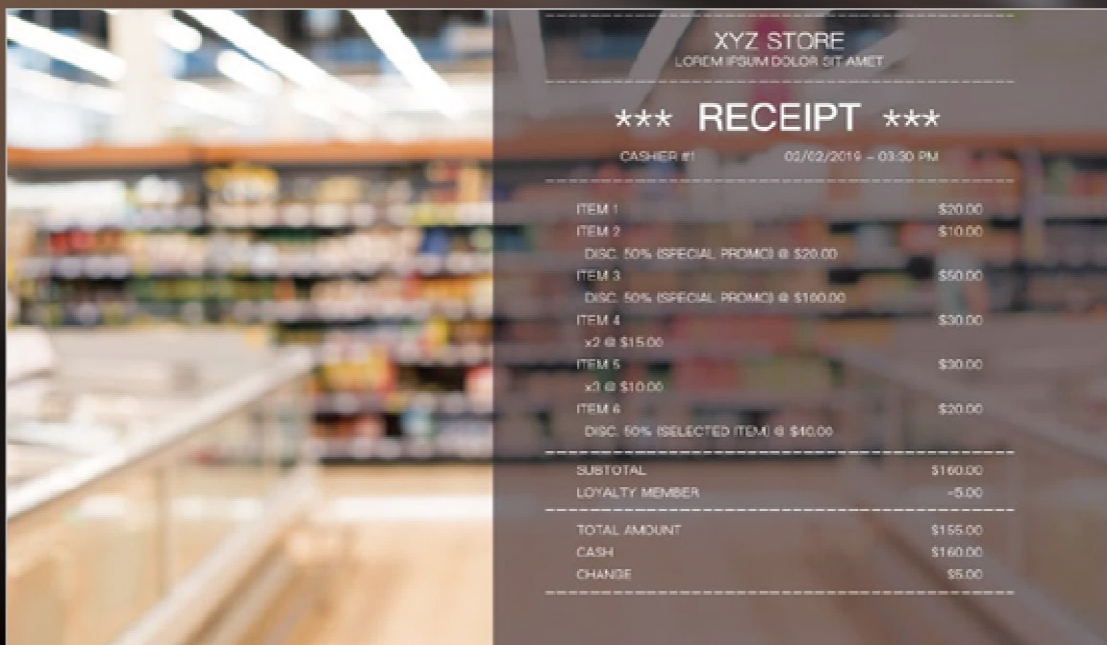
SOLUTION DETAILS

Store Cashier

Disputes are most likely to take place at the cashier. It takes an important role for the follow-up investigation to provide 24h high-definition audio and video monitoring and POS function.

High-Definition Recording + POS

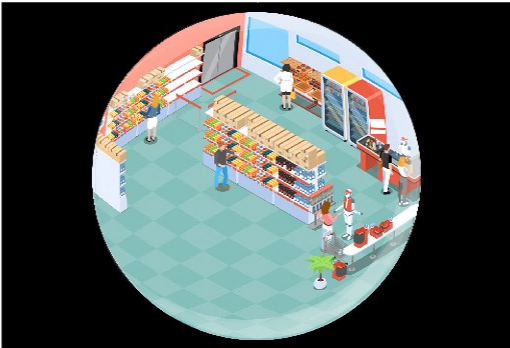
- High-definition video recording and audio collection
- With the integration of the POS device and TVT NVR, POS information will be overlaid on the video when recording. The POS event also can be used to search the record independently.



Shopping Area

Shopping area is the center area of the retail. The whole shopping environment and each shelf shall be monitored. This will help to detect the exception event and reflect the people's preferences.

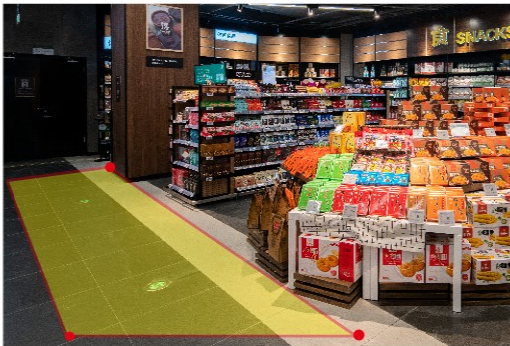
Fisheye Camera Monitoring + Corridor Mode + Behavior Detection + Heat Map



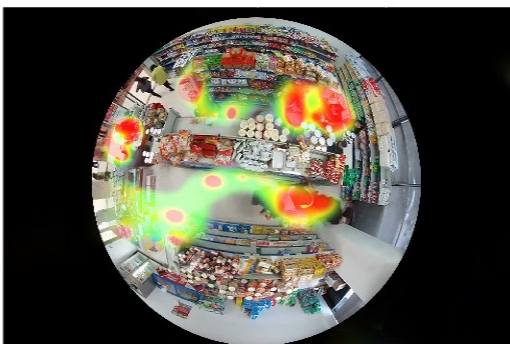
The complete view of the shopping area will be shown by using the fisheye camera at some areas.



For the shelf area, using the corridor mode of the bullet camera will reduce the invalid monitoring and focus on the important area.

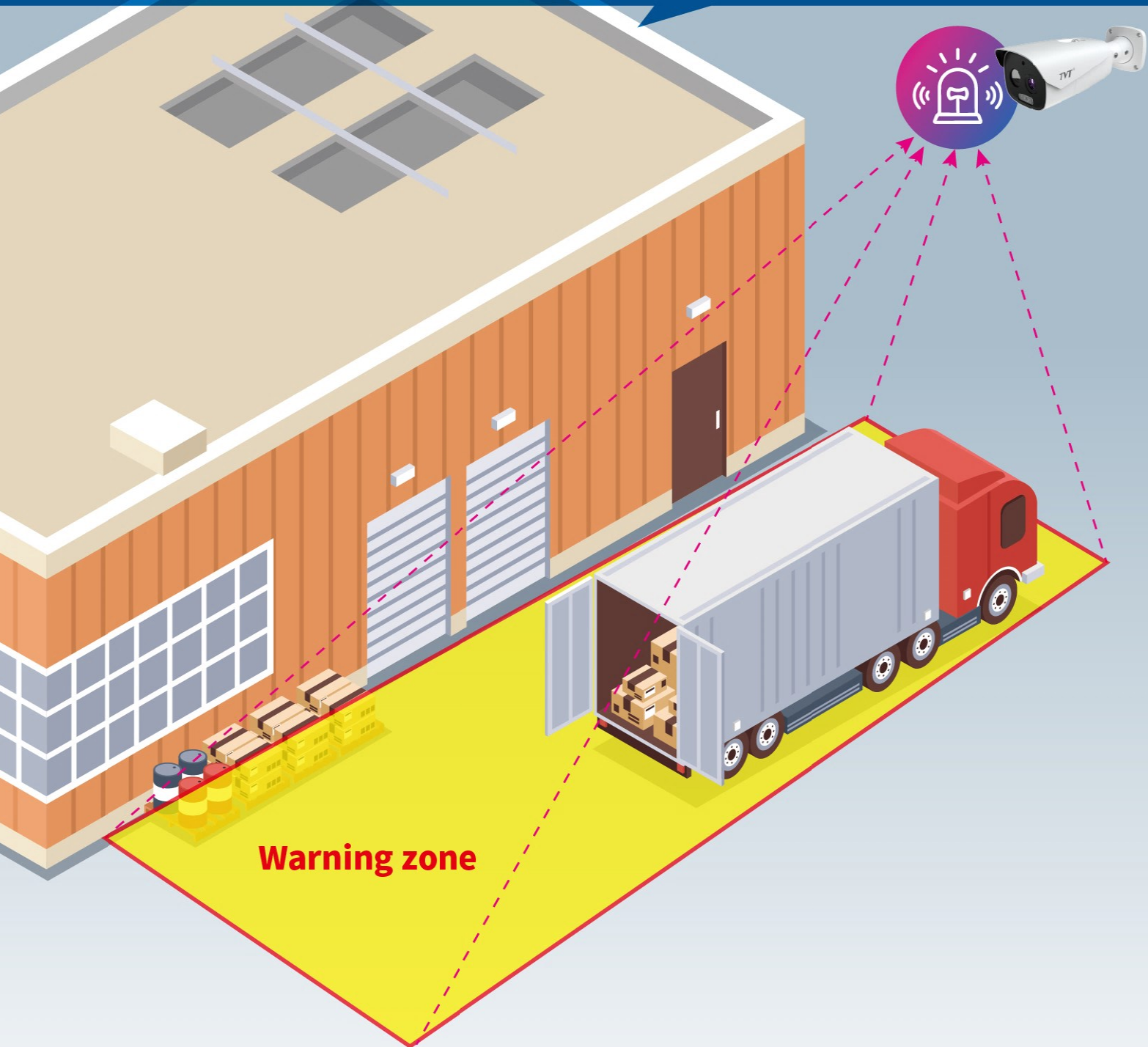


The camera supports people intrusion detection. At night, it is safer to enable the schedule of the region intrusion when no person is on duty.



The camera supports heat map function. The hottest area where people gather is clear from the heat map. The shopkeeper can easily master the preferences of the customers for products.

SOLUTION DETAILS



Unloading Area

At the unloading area, the matter of concern is how to prevent unrelated people from entering and how to ensure the security of unloading operations.

Sound & Light Warning

Even if no guard is on duty, sound and light warning will be triggered once someone intrudes the unloading area and then the alarm information will be pushed to the mobile APP or Email of the administrator immediately, so that the administrator can deal with in time.

- Illegal occupation detection: when other unrelated cars stay on the warning zone for a long time, alarms will be triggered.

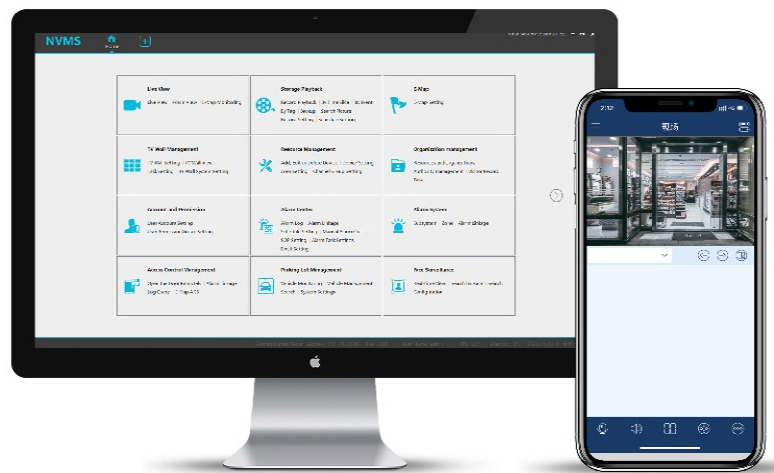
SOLUTION DETAILS

Office

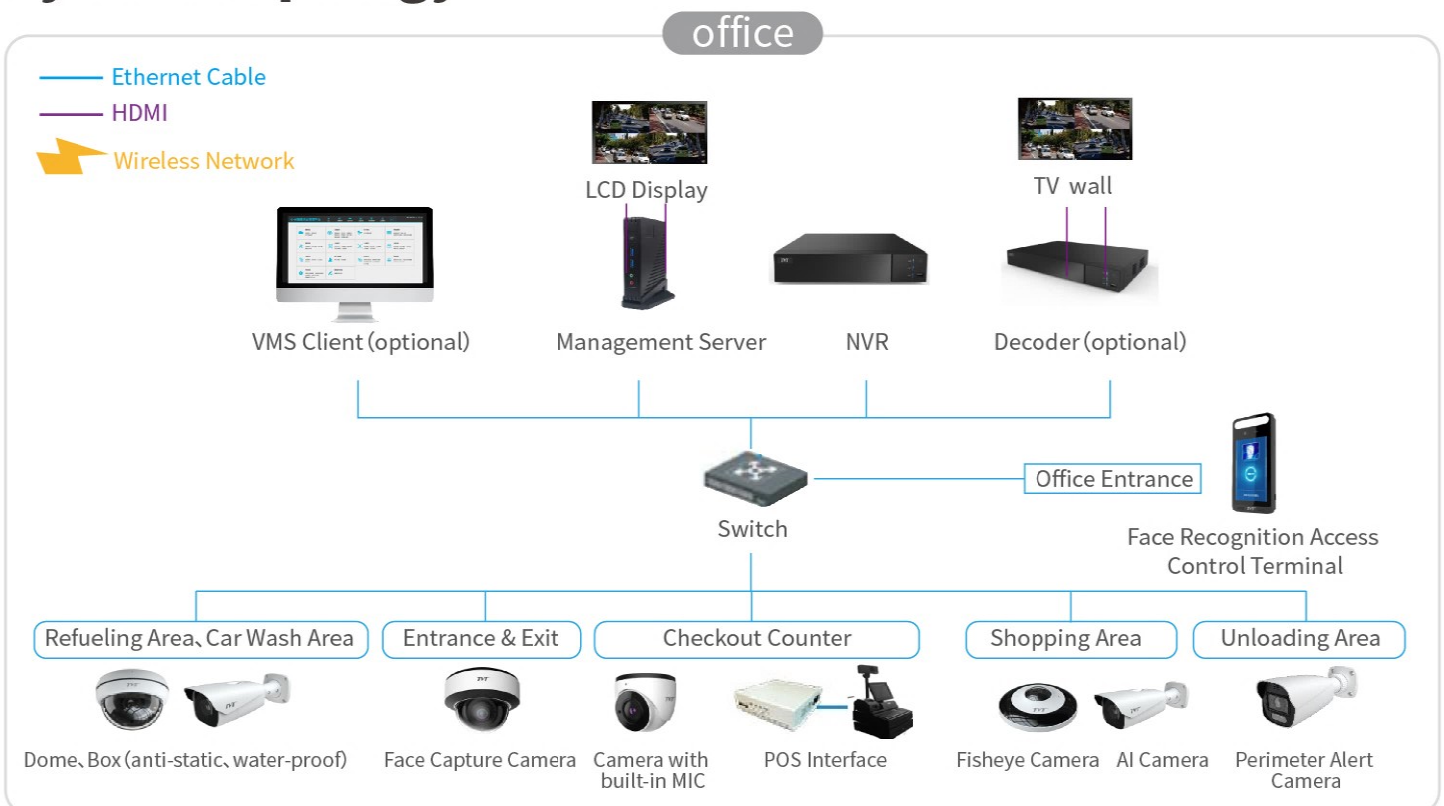
The office is the main site for the station master to work. Only a part of staff have permission to access. It is convenient for the station master to perform video patrolling, confirm alarms and coordinate the response after TVT's platform is deployed in the office.

Face Recognition & Access Control Terminal + Integrated Management

- The face recognition & access control terminal at the office entrance can automatically identify strangers, employees and visitors, effectively controlling the person entering and exiting.
- Store control center provides an "All-in-one" lite version platform, which can manage all business.
- Support remote video patrolling via mobile APP.



System Topology



PRODUCT LIST

2MP HD Temperature Measurement & Face Recognition Terminal LCD Touch Screen



TD-E2128-TM/TP

- 8 inch LCD touch screen
- Hing-accuracy IR body temperature measurement
- Non-contact body temperature measurement
- Human-sounding voice prompt
- Real-time face mask detection
- Stand-alone device, ready for networking
- Wiegand input/output(26/34)

Mini NVMS Server



TD-A300-TS-E / TD-A300-MTC-E

- NVMS Standard(CUSTOM)
- Decoding Capability: 4CH 8MP or 8CH 4MP or 14CH 1080P or 33CH 720P or 36CH D1(or lower)
- Max.Number of Channel Access: 256H
- Max.Number of Device Access: 64 NVRs/FR Servers
- 1CH HDMI@ 4K; 1 VGA@ 1080P

IR Bullet Network Camera Light Explorer



E3

TD-9523E3

TD-9483E3

TD-9322E3

- 2mp/4mp/8mp Optional
- IR Distance Optional
- 3D DNR, true WDR, HLC, BLC, Smart IR and ROI coding
- 1CH alarm input; 1CH alarm output
- Intelligent Analytics: Perimeter Protection, Target Counting, Face Detection

6MP Network IR Water-Proof Fisheye Camera



TD-9568E2

- 6MP H.265 full real time coding
- 20~30m IR night view distance
- Effective pixels:2160X2160
- 3D DNR, digital WDR, HLC, BLC and ROI coding
- One CVBS output
- 1CH alarm input; 1CH alarm output
- Built-in micro SD card slot, up to 128GB

NVR



E SERIES

- 1/2/4/8/16 HDDS optional
- NVR can record up to 8MP real time video
- 4K output, true high resolution display
- 8HDD and 16HDD NVR, support RAID 0,1,5,6,10.
- NVR supports smart functions such as face detection and recognition, tripwire, intrusion, people/ vehicle counting and so on

2MP HD Face Recognition Dome Network Camrra



A3 FR

TD-9525A3-FR

TD-9423A3-FR

- Starlight, area light, motorized zoom lens
- 1080P(1920X1080)@ 30fps
- 10m white light view distance
- Intelligent analytics: face deection, face capture face match
- 3D DVR, true WDR, HLC, BLC and ROI coding
- Built-in micro SD card slot, up to 128GB

4MP AI Network Camera



A3 PA

TD-9445A3-PA

TD-9545A3-PA

- 4MP H.265 Full real time coding
- 30~50m IR night view distance; motorizd zoom lens
- Intelligent analytics: line crossing detection(human/vehicle classification), region intrusion/entrance/ exiting detection (human/vehicle classification), sound and light warning

Thermal Network Bullet Camera



TD-5433E

TD-5002

optional

- 384*288 uncooled detector
- 12.3mm thermal imaging lens
- Temperature exception alarm
- 0.5°C @ (30°C~42°C, without blackbody)
- 0.3°C @ (30°C~42°C, with blackbody)
- Built-in white light and loudspeaker
- Capturing 30 faces sim ultaneously