

TMT



SCHOOL SECURITY

OVERVIEW

A school is an important place where children go to be educated. So the security of students and faculty members is of primary importance. However, as school violence and the event that outsiders hurt students happen frequently, it becomes an arduous task for the system integrator to cope with these challenges. In consideration of school solution, we take the security of students and faculty members as the primary goal. Based on AI algorithm and deep-learning technology, TVT school solution can help to prevent potential safety hazard in advance, creating a safer school environment.



SOLUTION DETAILS

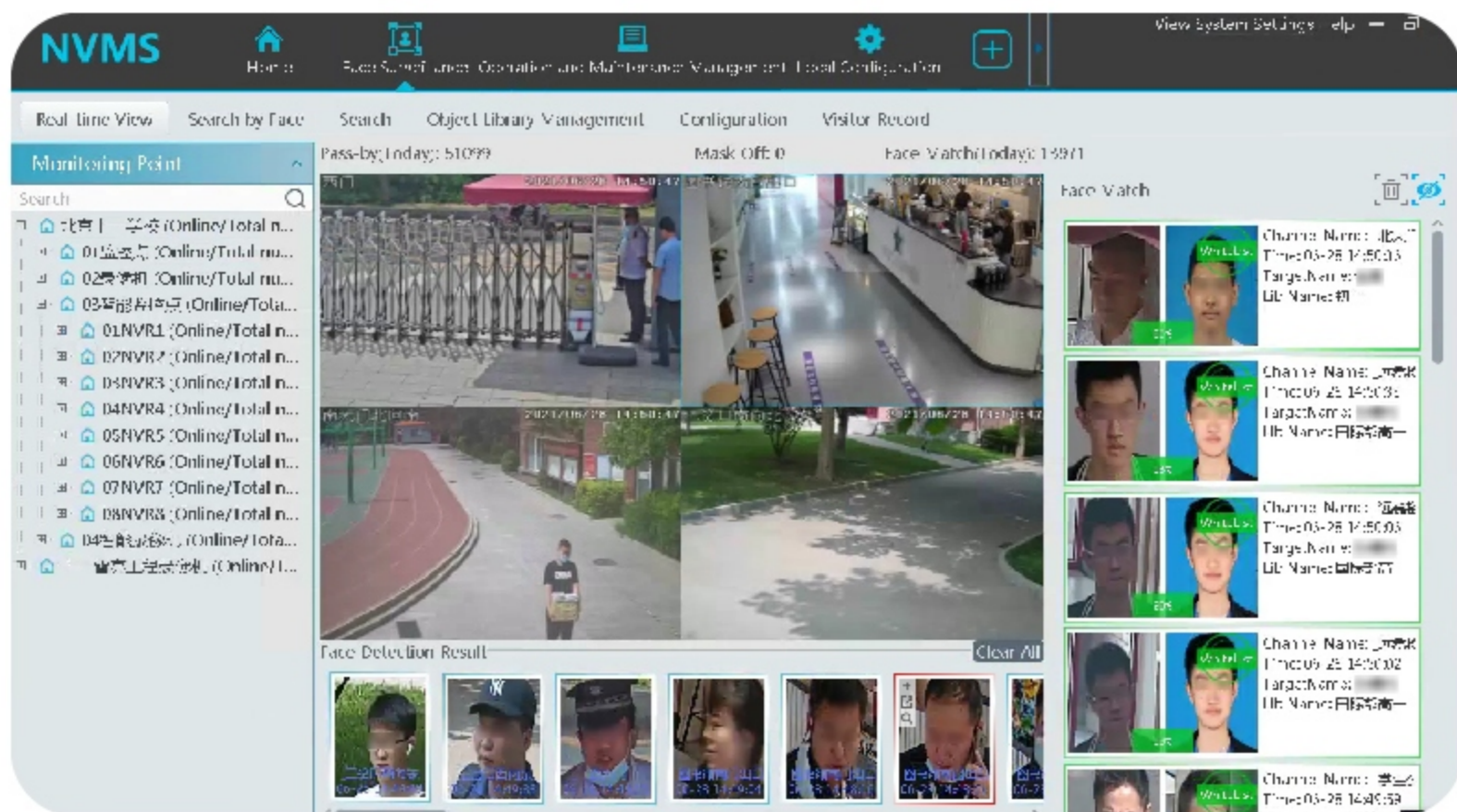


Entrance

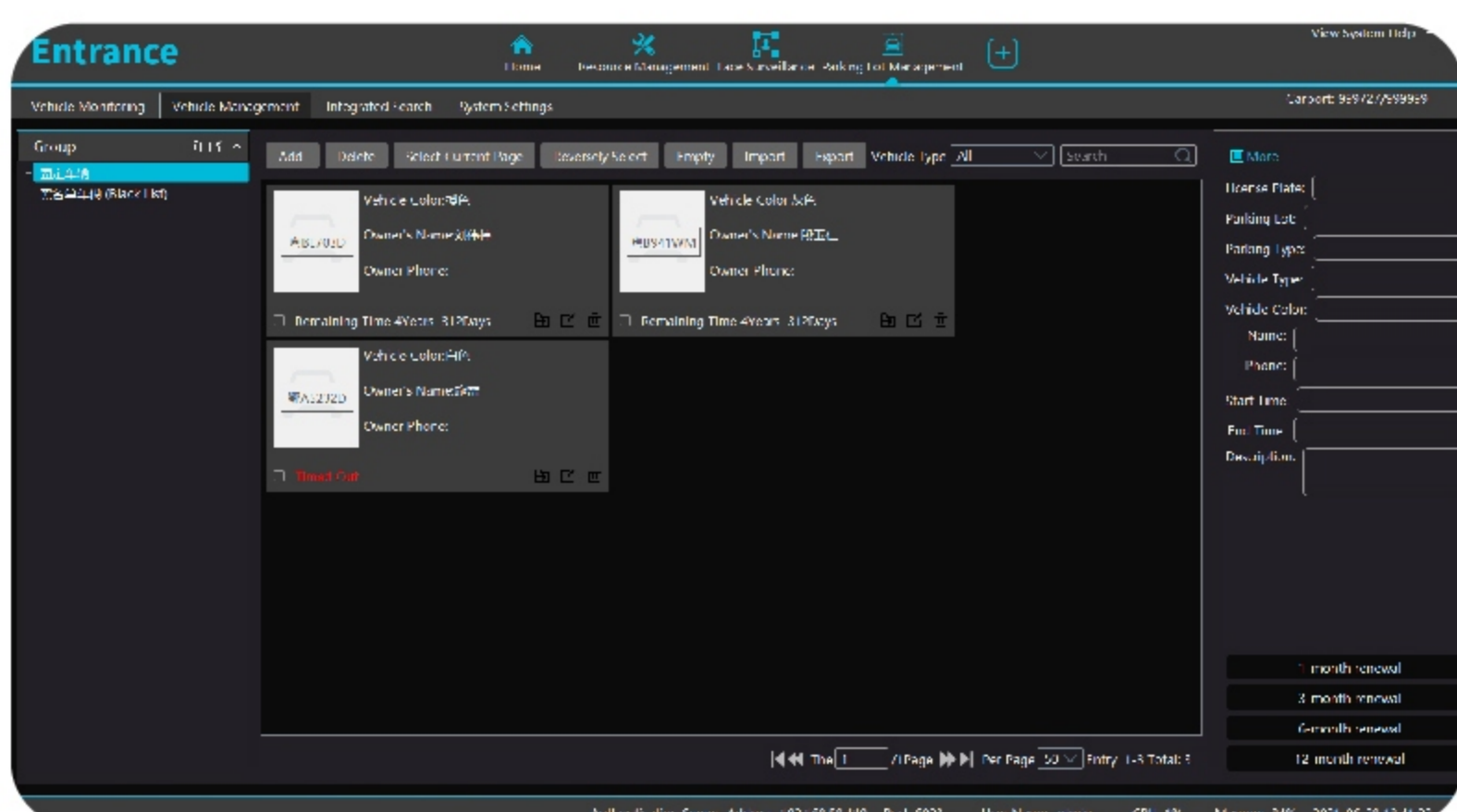
The difficulty of school entrance management lies in the complicated traffic environment. How to prevent strangers from entering and manage vehicles from outside becomes a challenge.



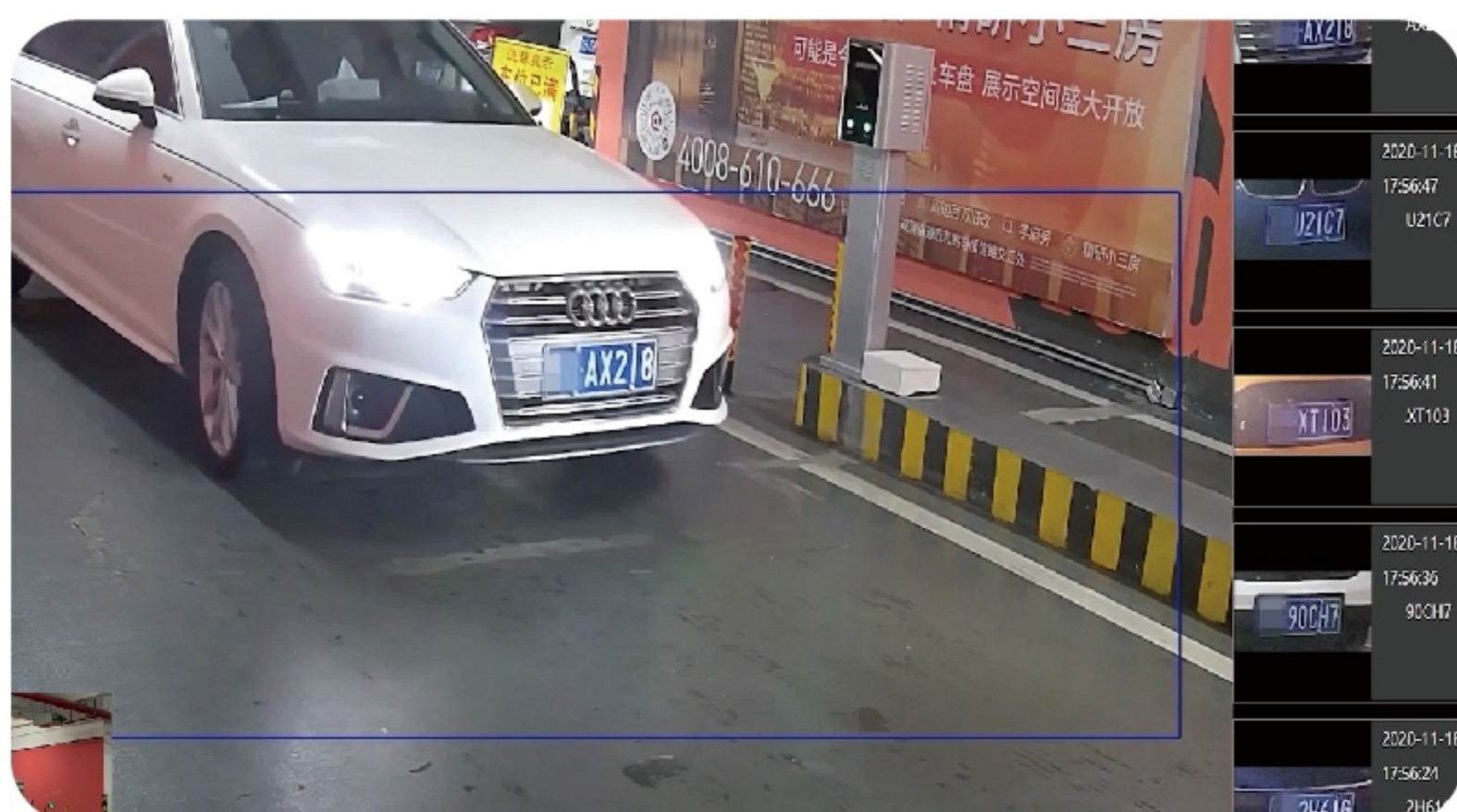
Face Recognition + License Plate Recognition



School staff and students can quickly pass through face recognition.



Outsiders can get access permission by making a visit appointment in advance.



Identify vehicles in the allow-list and open the barrier gate automatically, largely improving the entry speed.



Keep strange vehicles out of the school.

SOLUTION DETAILS

Perimeter

The difficulties of the school surrounding management are too many interfering factors that will cause many false alarms and how to get the alarm information timely.

bullet camera + Speed Dome + Region Intrusion + Full-color + Sound Warning

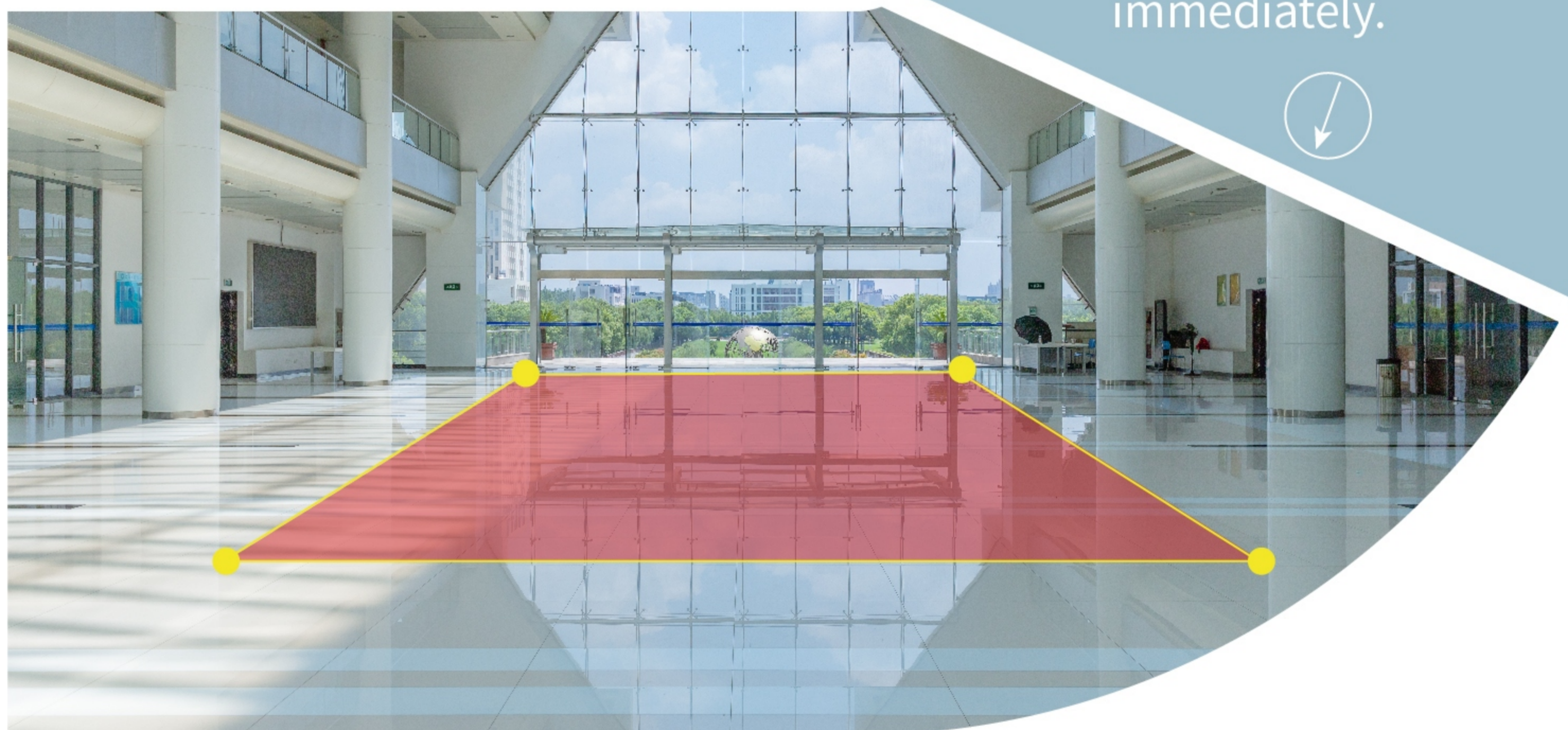
bullet camera can be used to monitor the fixed scene; speed dome camera is very flexible to move and its zoom can be adjustable according to the scene.



Once the bullet camera detects a person crossing the alarm line, alarms will be sent to the command center immediately.



Full-color camera can perform real-time monitoring at night.



Sound warning will act as a deterrent to intruders and give warning to guards.



SOLUTION DETAILS

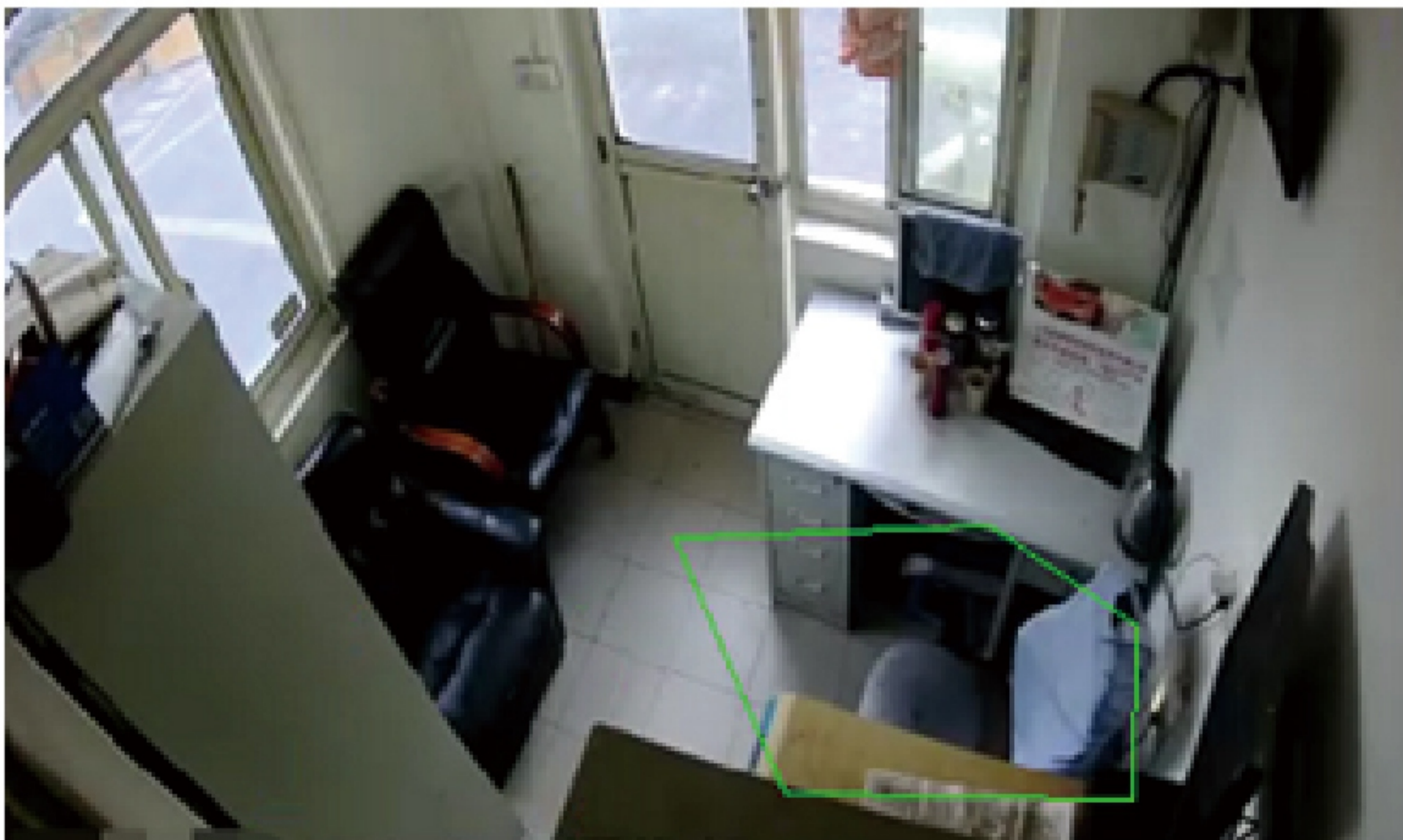
Security Post

The security post is a place where security guards work. How to prevent the security guard from leaving the post is a problem we should focus on.



Dome camera+ leaving detection

- Choose the dome camera that is easy to install
- Once the security guard leaves the predefined area, alarms will be sent to the command center so that the relevant personnel can respond rapidly.
- With the ultra-low illumination technology, TVT camera can provide top-notch light sensitivity, so that the color details can be captured in low light condition.



WDR:OFF



WDR:ON

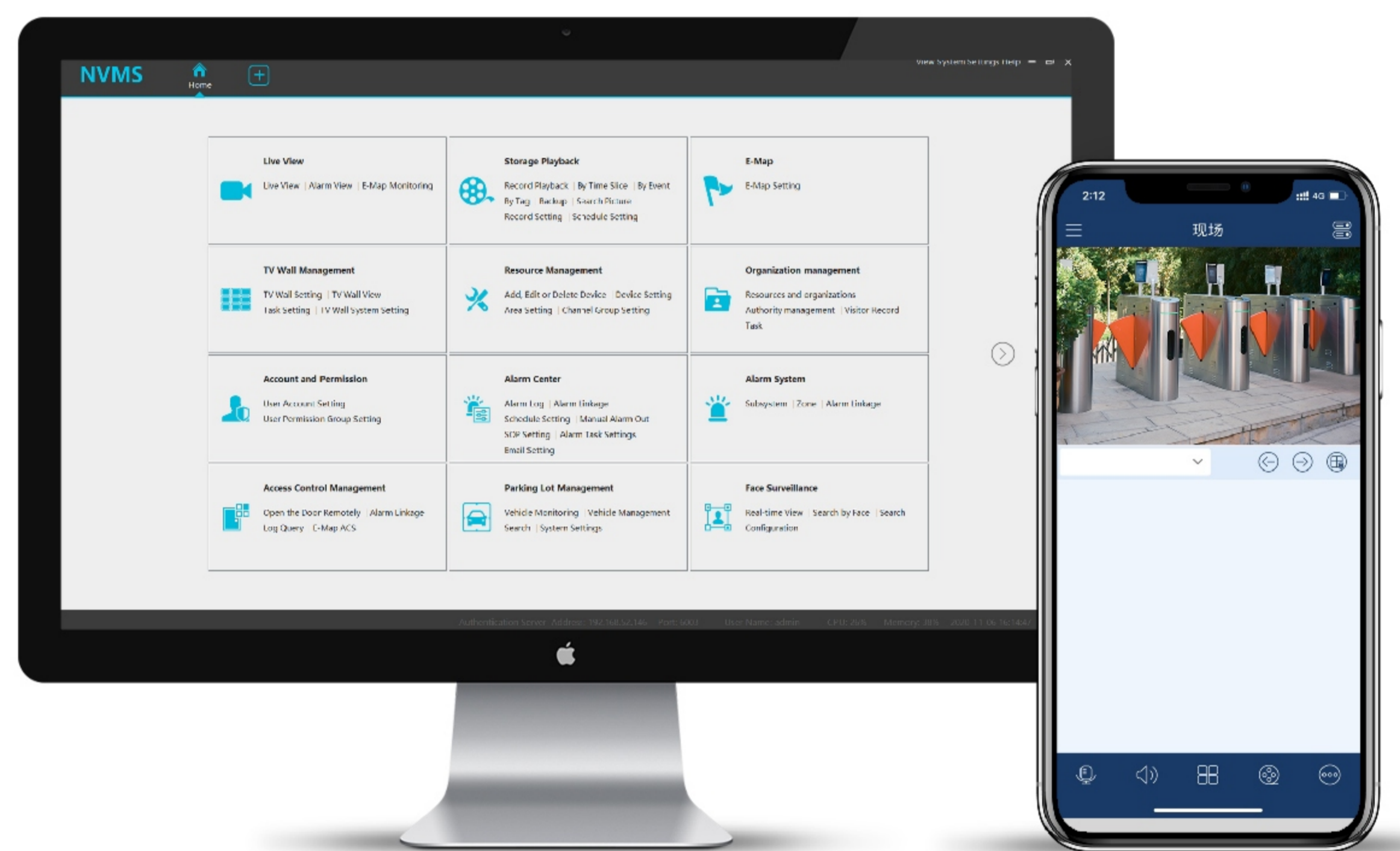
SOLUTION DETAILS

Command Center

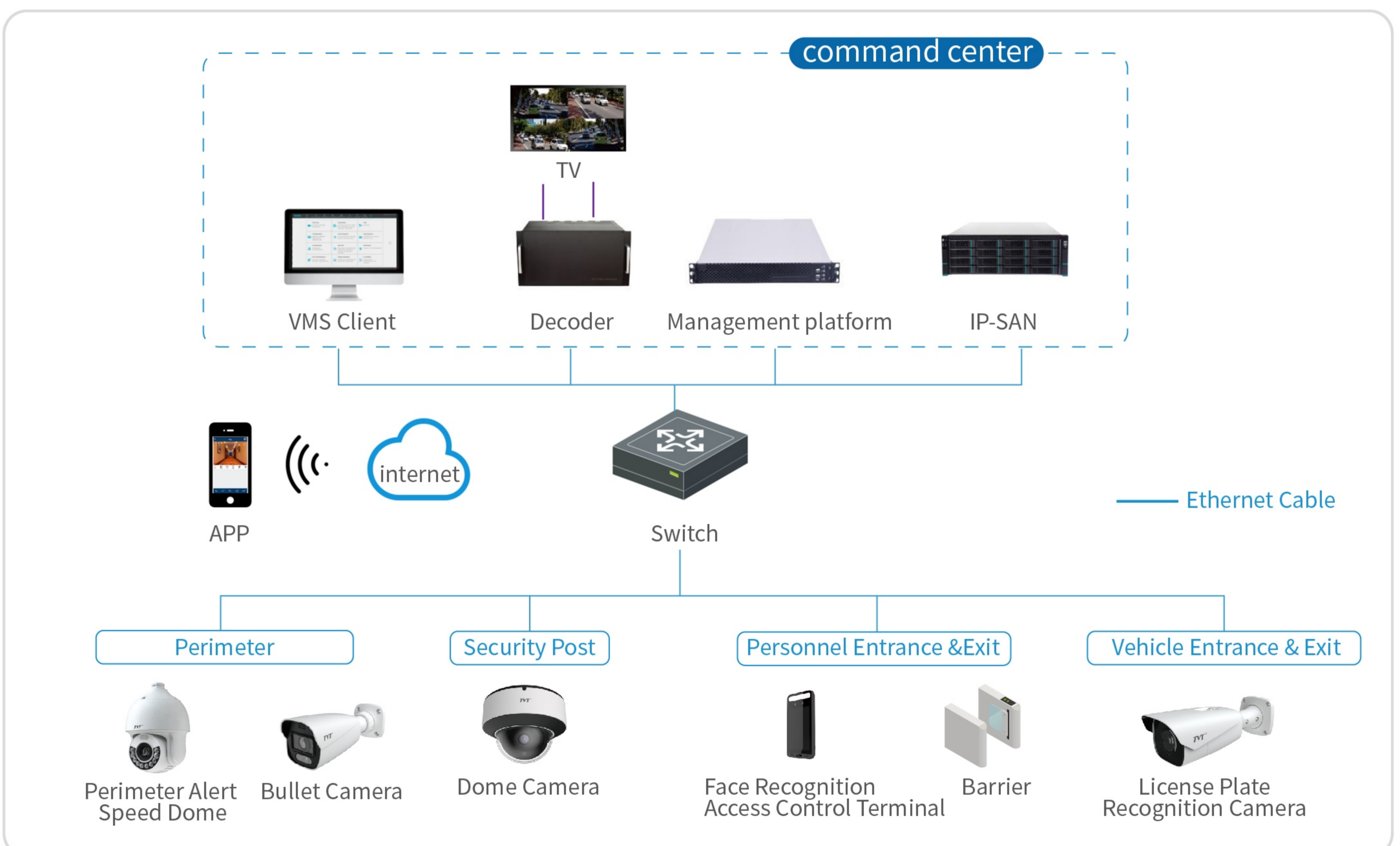
Command center is a core area for a building, which needs to monitor the whole building in real time and handle the video alarm information timely.

Visual management platform + secure and reliable maintenance

- Real-time viewing all surveillance videos of the hospital on the large screen and receiving the video alarm information in the web client and mobile APP.
- The online status of devices and recording status can be viewed in real time so that we can maintain failure devices or offline devices in time.



System Topology



PRODUCT LIST

Command Center



TD-A510 series (management server)

- High-performance X86 hardware platform, stable and reliable.
- support management, forwarding, storage (mainly used for important file storage or backup) and local decoding display function.
- Support equipment access for both the full range of products and mainstream manufacturers, support ONVIF protocol access.
- Support TV wall management, support splicing, window opening, roaming and alarm wall, support plans and channel group polling.
- Supports rich alarm types and linkage actions.



TD-S300 series (storage server)

- 8GT/s data transfer speed, 64bit extensions, I/O speed up, Turbo, Hyper-Threading.
- Host equipped with 6Gbps SAS Expander backplane with 6Gbps RAID supporting 0/1/5/6 level.
- Comprehensively monitor connection, network and hardware state of storage device, judge the fault level by the buzzer, and record the event information and operation log.
- support hot-plug 3.5 inch SATA disks



TD-A130 series (decoder)

- 1CH 4K HDMI input
- 2 HDMI outputs, HDMI1 supports 4K/1080P HD output; HDMI2 supports 1080P HD output
- 1 VGA output and 1 BNC output
- 4CH8MP@30fps or 8 CH 4MP@30fps or 16CH 1080P@fps or 32CH 720P@30fps or 64CHD1 or lower
- H.265 HP/MP/BP and H.264 HP/MP/BP encoding format
- Support PS, RTP,TS,ES package format (in platform running mode)
- G.711A/G.711U

Front-end Devices



4MP E3series (IP camera)

- 4MP (2592 × 1520) H.265 full real time coding
- Max. resolution: 2592 × 1520
- ICR auto switch, true day / night vision
- 30 ~ 50m IR night view distance
- 3D DNR, true WDR, HLC, BLC, Defog, Smart IR and ROI coding
- 1CH audio input
- Built-in micro SD card slot, up to 128GB
- DC12V/PoE power supply
- IP67 ingress protection
- Support three streams
- P2P function optional
- Support remote monitoring by smart phones & tablet PCs
- with iOS and Android OS
- Intelligent analytics



TD-E2128series

- 8 inch LCD touch screen
- Embedded man-machine interactive system
- Face liveness detection technology distinguishing real faces from non-real face spoof attacks
- Highly accurate face recognition using deep learning algorithm
- Special cameras for face recognition, dramatically enhancing recognition rate in the backlight environment
- Supports tamper alarm
- Stand-alone device, ready for networking
- Local face database management and device management
- Remote live view and two-way talk



TD-9423A3-LR

- 2MP@30fps (1920×1080), 1/2.8" Starlight CMOS
- Min.illumination: 0.0026 @F1.2, AGC ON
- 120dB True WDR, 3DNR, BLC
- H.265S/H.265+/H.264+/H.264/MJ PEG
- Support ROI, two-way audio, aisle mode, ONVIF
- License plate recognition, abnormal video signal detection, smart alarm
- Built-in SD card slot, up to 256GB
- Motorized varifocal: 2.8-12mm
- Supporting license plate recognition in 35 countries and regions
- The rate of Parking application license plate capture and recognition accuracy are both more than 99%



TD-88X3IM series

- 1/1.8" 4MP CMOS
- 120dB WDR, 3D DNR, HLC, smart supplementary light
- Min.Illumination: Color: lux (F1.5, AGC ON); B/W: lux(F1.5, AGC ON); 0 lux with laser
- Powerful 37 x optical zoom; 16x digital zoom
- Max. @60fps, H.265 coding
- 500 m laser distance
- 2.0 Tops CNN, IVE and video DSP
- People/vehicles recognition and tracking
- Four scenario modes: Perimeter, FR, LPR, mixture lanes
- Smart wiper
- AC24V; Hi-PoE (optional)
- IK10, IP67, -50°C~+65°C