



TVT Security Product Introduction

SHENZHEN TVT DIGITAL TECHNOLOGY CO., LTD.

SECURE THE WORLD WITH YOU

www.tvt.net.cn

TVT Product Family



Speed Dome



1/2/3/4/5/6/7/8 inch Speed Dome

Industry NVR



8/24CH SATA
Premium NVR

Industry IPC



Explosion Proof
Camera

Pinhole
Camera

Server Product



A300/A400/A500
Management Server

Storage Server

A700 Series
Embedded Server

Dual Light IPC



S4L-C IR & White Light
SMD AI

S4-C IR & White Light
People/Vehicle AI

Dual Light Perimeter IPC



S4-PA IR & White Light
People/Vehicle AI
Smart Warning

E4B IR&white light
Metadata AI
Smart Warning

E4BH IR&white light
1/1.8 F1.0 Metadata AI
Smart Warning

Dual Lens/Wide FOV IPC



Dual lens Panoramic
Metadata AI
Smart Warning

Dual lens
non-stitching
Metadata AI

Fisheye

Wide FOV
Turret

WiFi/Kits



WiFi Kits

WiFi/4G

Full Color IPC



C4/C4-A white light, F1.0
People/Vehicle AI

C4H, white light, F1.0
1/1.8, Metadata AI

Smart Scenario Product



ANPR Camera

People Counting
Dual-Lens Camera

SDC Camera

AI BOX

Smart NVR



30 Series
1CH SATA3.0

31 Series
1/2/4 SATA3.0
Multiple VCA

33 Series
1/2/4/8 SATA
Multiple VCA

33-A3H Series
8/16 SATA
Project NVR

Analog Product



Analog Camera

DVR

New business Product

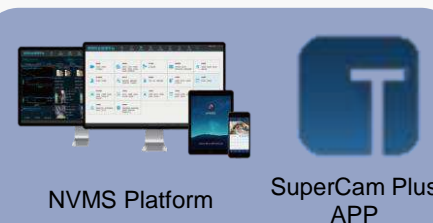


Access Control

Smart Doorbell

Thermal Camera

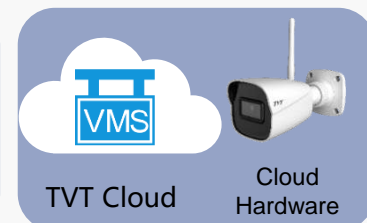
Smart Application Product



NVMS Platform

SuperCam Plus
APP

Cloud Solution



TVT Cloud

Cloud
Hardware

Cyber Security



UL
Solutions

Product of 2024

Lite Series

Pro Series

Color Light



4MP IR&white dual lights
6MP red/blue alarm lights
built-in speaker
human/vehicle AI
Released



2MP IR & white light
4MP dual lights
6MP human/vehicle AI
8MP Released



2MP Entry level dual light
4MP smart motion detection
6MP Released
8MP



4MP 1/1.8 Super Starlight
8MP Matedata AI
Released



2MP Matedata AI
4MP Released
5MP
6MP
8MP
12MP



AI ISP

4MP AI ISP 1/1.8 F1.0
8MP white light full color
Matedata AI
Released



AI ISP

4MP AI ISP 1/1.8 F1.0
8MP white light full color
human/vehicle AI
Released



AI ISP

4MP AI ISP F1.0
6MP white light full color
human/vehicle AI
4M Released, 6M 25Q2

New Products of 2025

AI ISP

AV1



2MP IR&white dual lights
4MP red/blue alarm lights
6MP built-in speaker
8MP human/vehicle AI
2025Q4



3MP Entry level dual light
SMD AI
2025Q2

Not NDAA

AI ISP



4MP AI ISP 1/1.8 F1.0
8MP IR&white dual lights
built in speaker
red/blue alarm lights
Matedata AI
Tailless shell design
2025Q4

AI ISP



4MP AI ISP
6MP IR&white dual lights
8MP built in speaker
red/blue alarm lights
Matedata AI
2025Q3



AI ISP

8MP AI ISP 1/1.2 F1.0
white light full color
Matedata AI
2024Q3



AI ISP

4MP AI ISP 1/1.8 F1.0
8MP IR&white dual lights
built in speaker
red/blue alarm lights
Matedata AI
2025Q3



AI ISP

3MP AI ISP F1.0
white light full color
2024Q3

Not NDAA



1

Dual Light IPC
S/SL Series

S4-C Series IPC



S4-C 2/4/6/8M resolution, newly add 6M resolution



Support IR and white light, human-vehicle interaction



0.75T computing power, 2M/4M 30fps, 6M/8M 20fps



human/motor vehicle/non-motor vehicle classification, SMD



Support Abandoned/missing object detection, Exception Detection, Line crossing, Region entrance/exiting/intrusion and other intelligent analysis



Support dual system backup



S4-C Series

- ✓ 2MP: TD-9x2xS4-C
- ✓ 4MP: TD-9x4xS4-C
- ✓ 6MP: TD-9x6xS4-C
- ✓ 8MP: TD-9x8xS4-C

Fixed/VF lens optional

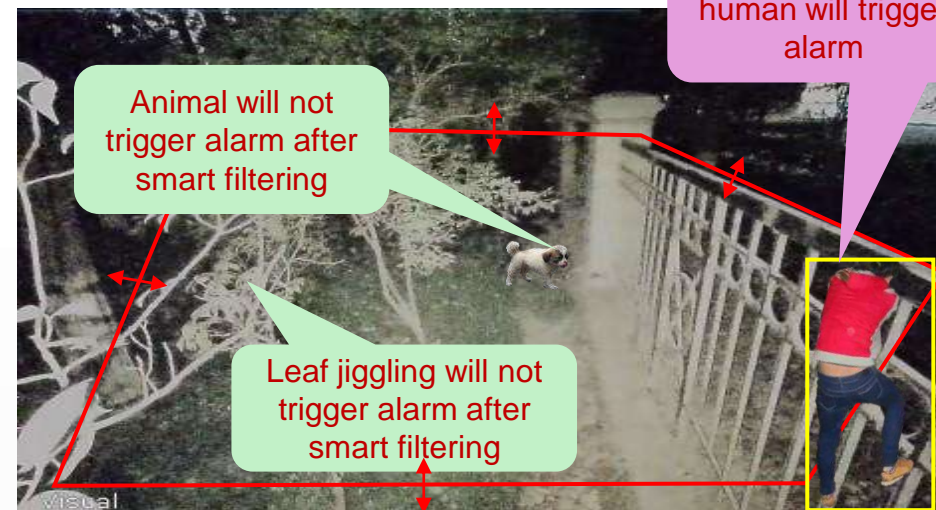
TVT SMD greatly improve the recognition accuracy



Traditional MD

Traditional MD:

By comparing the images collected in the warning area, the changes of the image are detected, and then the events such as object movement and regional intrusion are identified. The sensitivity and accuracy are relatively low, and it is easy to be affected by environmental factors, the misjudgment and false alarm rate are relatively high.



SMD

SMD(Smart Motion Detection):

SMD can effectively filter the impact of environmental factors such as small animals, flags, tree swings, light and shadow changes through AI algorithm identification, resulting in accurately detect the alarm caused by human, vehicles, etc., greatly reducing the false alarm rate. Easy to use without complicated setup.

All-round Upgrade

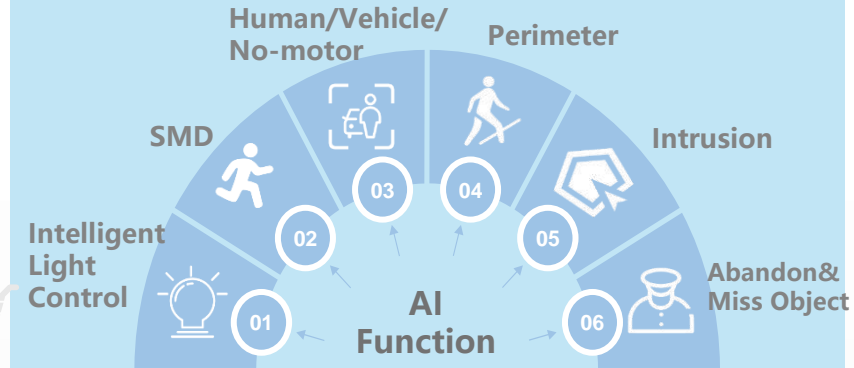
Smart Dual Light S4-C Series IPC



smart dual light, 24 hours security guard



● Built-in a variety of AI algorithms



● The computing power is increased and the image quality is improved



0.75T
computing
power



High
sensitivity



HDR/BSI/NIR
improvement



Super
starlight
night vision

● Rich features and easy to operate



Prime or
Zoom lens
available



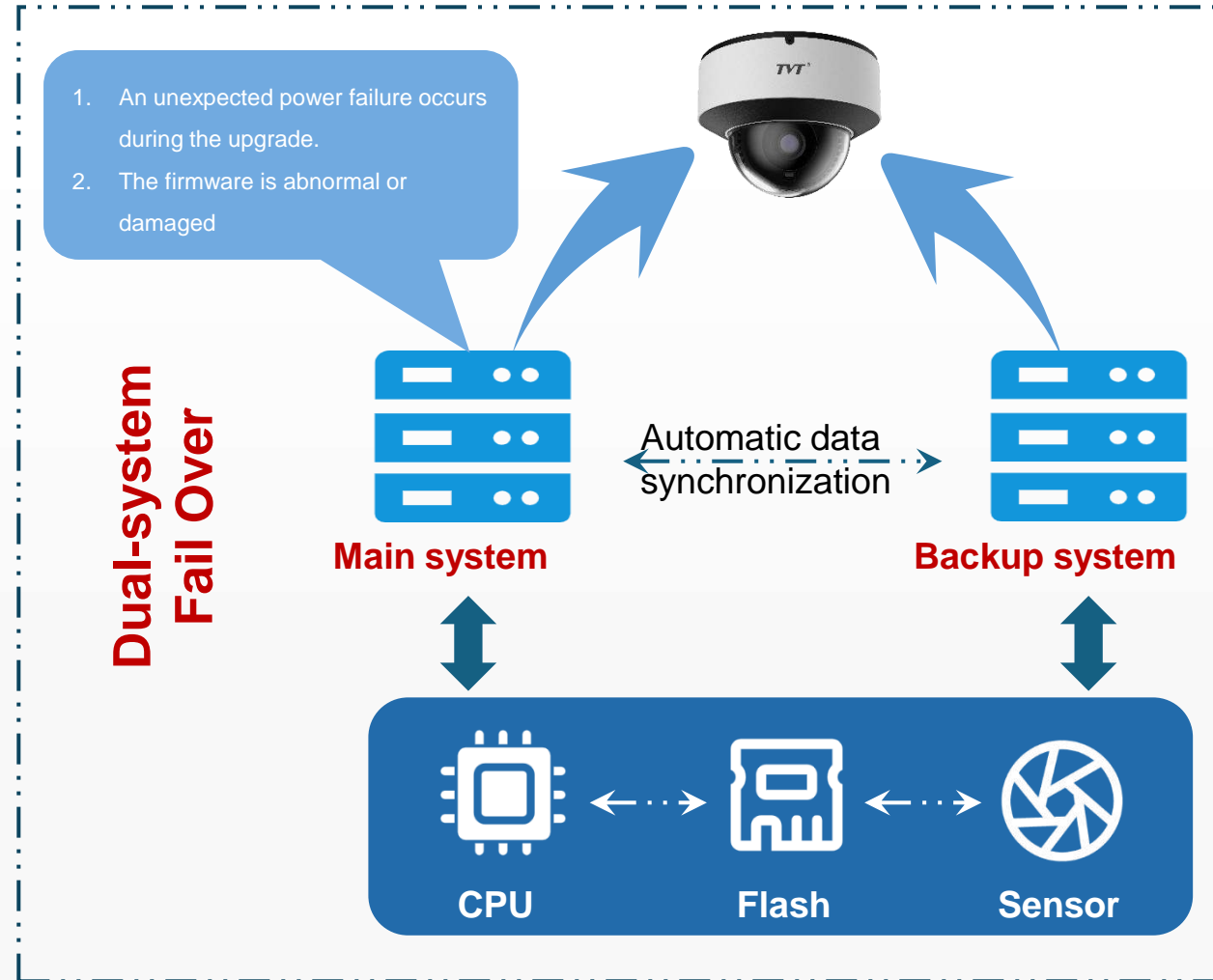
three-
stream



External
audio

Dual system backup

S4 Series improve the flash space of the system, support dual system backup to improve the self-healing capability of the device, and support multiple AI algorithms and scenarios.



S5 Series IPC

AI ISP



S5 2/4/6/8M resolution, 2M/4M 30F, 6M/8M 20F



support AI ISP, greatly improved image quality



AV1 enhance video encoding efficiency



Support IR and white light, human-vehicle interaction



Built-in microphone, speaker, red/blue warning lights, supports audible & visual alarms



Transformer AI, Improve AI recognition accuracy



human/motor vehicle/non-motor vehicle classification, SMD



Support Abandoned/missing object detection, Exception Detection, Line crossing, Region entrance/exiting/intrusion and other intelligent analysis



Support dual system backup



S5 Series

- ✓ 2MP: TD-9x2xS5
- ✓ 4MP: TD-9x4xS5
- ✓ 6MP: TD-9x6xS5
- ✓ 8MP: TD-9x8xS5

2025Q4



AV1 encoding

Supports the latest AV1 codec, eliminating costly H.265/HEVC royalty fees while further improving encoding efficiency



AI ISP

latest AI-powered ISP chip, significantly enhancing image quality in low-light environments



Transformer AI

Supports Transformer-based AI large model deployment, achieves higher recognition accuracy, and enables extended AI functionalities



Audible & Visual Alarms

Features built-in red/blue flashing beacon lights and alarm siren outputs, synchronized with AI-driven detection to significantly improve threat response efficiency



E4B Series IPC



4MP/6MP/8MP Resolution, 30F realtime



Image Quality Upgrade: AI-Powered ISP + Next-Gen Sensor + F1.2 Aperture Lens



AI Upgrade: 3T AI Power with Transformer Model Acceleration



Lighting Upgrade: Supports infrared & white dual-light illumination with intelligent auto-switching



Feature Enhancement: Built-in speaker, red/blue warning lights, and 4-channel stream support



Audio Improvement: Dual-mic pickup with echo cancellation for enhanced audio clarity



Security Upgrade: Supports secure boot, UL certification, and face mosaic privacy protection



Reliability Upgrade: dual-system redundancy and NEMA4X industrial-grade protection



E4B Series **New**

✓ 4MP: TD-9x4xE4B

✓ 6MP: TD-9x6xE4B

✓ 8MP: TD-9x8xE4B

2025 Q3

E4BH Series IPC



4MP/8MP Resolution, 1/1.8 Sensor 30F realtime, **support 4M60F**



Imaging Upgrade, AI ISP + F1.0 lens, support P-Iris Full-color optical zoom



AI Upgrade: 3.2T AI Power with Transformer Model Acceleration, Support metadata, **Face/vehicle license plate recognition at same time**, Software-defined camera framework for flexible AI deployment



Lighting Upgrade: Supports infrared & white dual-light illumination with intelligent auto-switching



Feature Enhancement: Built-in speaker, red/blue warning lights, and **4-channel stream support, 3-day local recording via integrated eMMC storage**



Audio Improvement: Dual-mic pickup with echo cancellation for enhanced audio clarity



Security Upgrade: **Secure Boot + TPM 2.0 + TEE + UL, and face mosaic privacy protection**



Reliability Upgrade: dual-system redundancy, NEMA4X, IK10, -40°C cold start (specific housings).



Mechanical Design: optional **PTRZ (Pan-Tilt-Rotation-Zoom)** support



E4BH Series **New**

✓ 4MP: TD-9x4xE4BH

✓ 8MP: TD-9x8xE4BH

✓ 2025Q4



Dual light Full Color

- AI ISP + Next-gen Sensor + F1.0 Aperture Lens
- P-Iris Full-color optical zoom
- dual-light Full-color
- Low-Intensity Illumination with Glare Reduction
- 140DB/Clear HDR



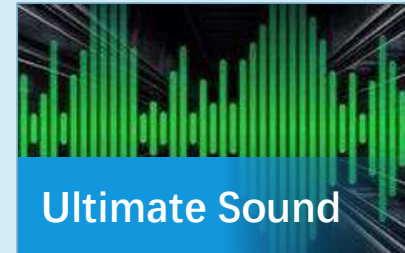
Next-Gen Housing

- Next-Gen Housing
- PTRZ DOME
- Upgraded Bracket Design
- NEMA4X
- All IK10
- Built-in Heating System Enables Cold Start at -40°C



Security Upgrade

- TPM/TEE
- Secure Boot
- UL
- Secure Boot



Ultimate Sound

- Dual MIC input
- Immersive Speaker Upgrade: Louder, Clearer
- Acoustic Echo Cancellation
- Support MP3
- Support 16bit/48KHz



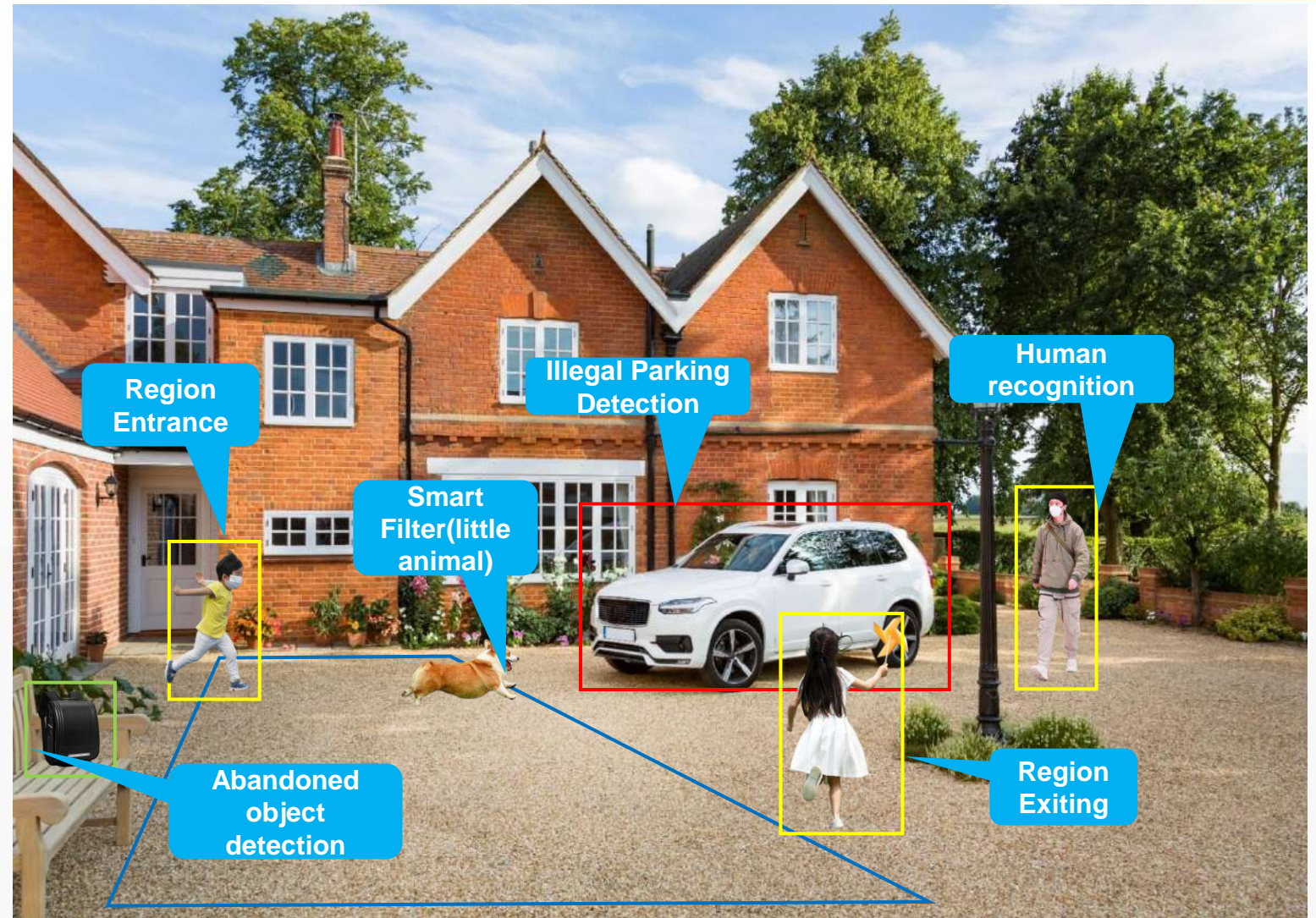
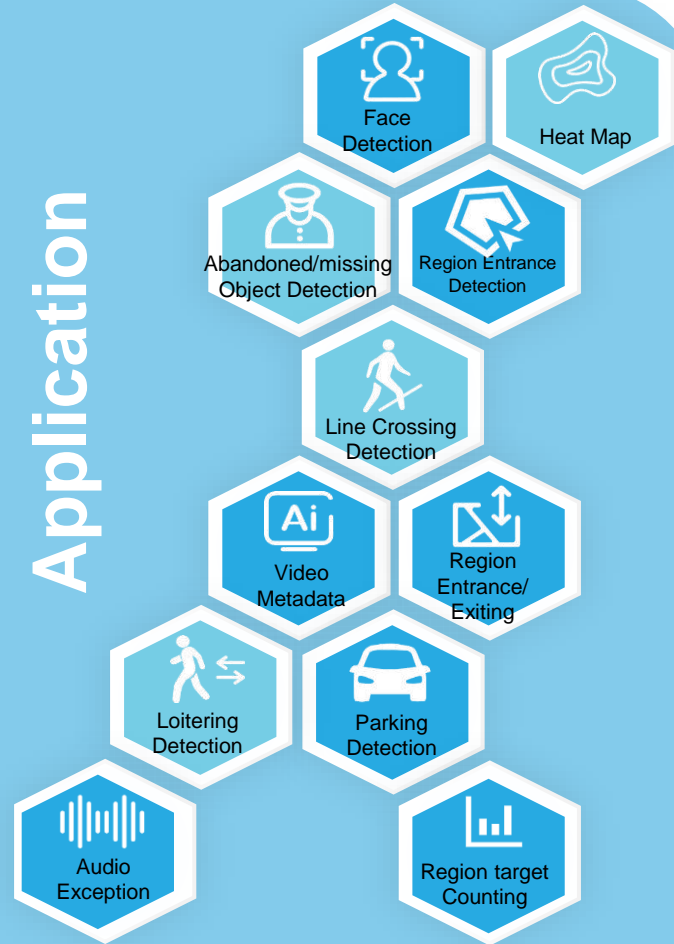
Enhanced AI

- SDC Software Architecture
- More AI Features
- Transformer-based AI
- New AI Audio Applications

E4B/E4BH Series Support Multi-algorithm fusion

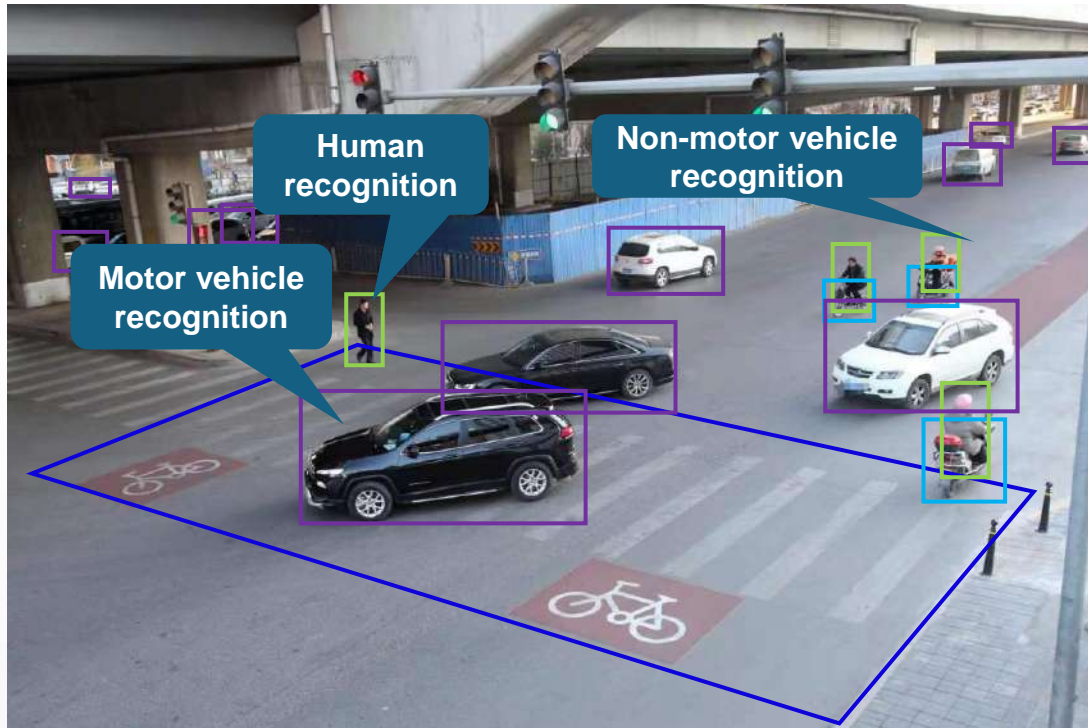
TVT

AI Scenario Application



E4B/E4BH Series Support video metadata

TVT



The video metadata can be processed in parallel with the human/motor vehicle/non-motor vehicle recognition, and the metadata information of human and vehicles can be captured after the alarm triggered.



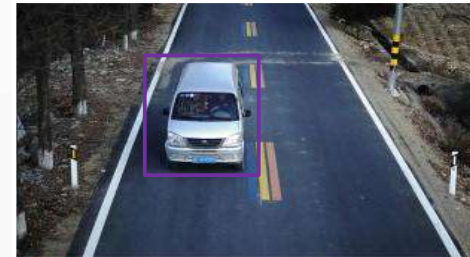
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Human Metadata

- ✓ **Attributes:** Gender (child, teenager, young adult, middle-aged, elderly)
- ✓ **Direction:** Front, side, back
- ✓ **Dress:** Long/short sleeves, long/short trousers, skirt
- ✓ **Color:** 13 different colors
- ✓ **Wear:** Glasses, mask, hat
- ✓ **Carry on:** Shoulder bag, backpack

2

Motor vehicle Metadata



- ✓ **Brands:** BMW, Audi, Mercedes-Benz, BYD etc., upto128 different brands
- ✓ **Colors:** 12 different colors can be recognized
- ✓ **Types:** SUV, car, truck, school bus, special vehicles and other 11 different types
- ✓ **Time:** Identify the major models released after 2008
- ✓ **Models:** More than 12,000 different models can be recognized



3

Non-Motor vehicle Metadata

- ✓ **Classification:** Bicycle ,tricycle, motorcycle, electric tricycle, etc.

Smart Dual Light Full Color IPC

Secure your safety at night

TVT

Smart Warning Secure your safety

infrared mode
at night

Intelligent human
recognition ensure
change the mode to
full color mode

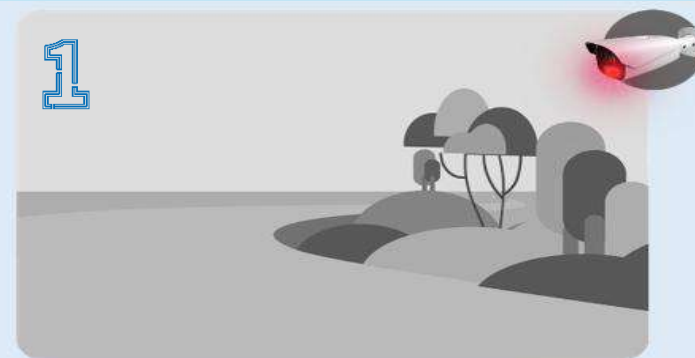
1. Red and blue light alarm
2. White light full color
3. Customize the voice

Smart Lighting:

1. In regular scenarios, ipc is working at infrared mode at night to reduce light pollution.
2. When someone is detected to enter the monitoring area, ipc will switch to white full-color mode, it support voice and light alarm or voice shout to warn the person to leave the area.
3. After the person leaves, ipc will switch back to infrared mode.

The light will be on when people come and off when people leave

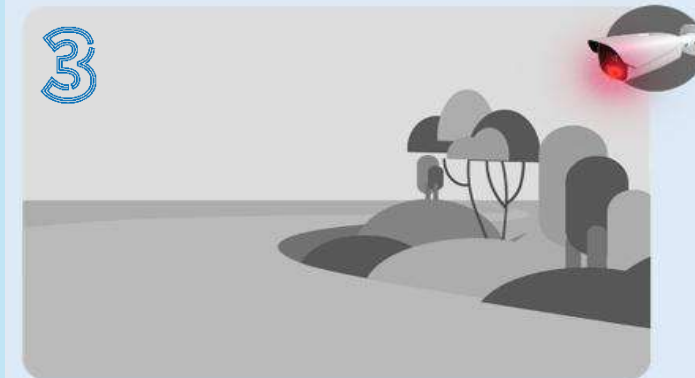
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2



3



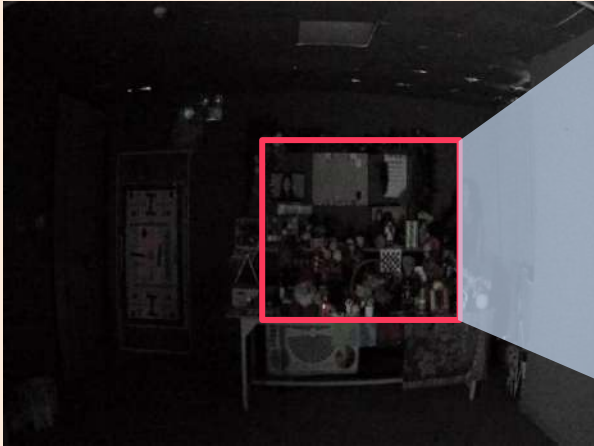
Intelligent human recognition reduces
misjudgment

E4B Series greatly improves night vision performance in extremely low light (static scenes)



Night vision image details optimization in static scenes

4M E3B-A
0.04Lux



4M E4B
0.04 Lux



E4B Series Highlighted Upgrades

- ✓ At extremely low illumination, the E4B series has a significant improvement in image clarity, brightness, noise suppression, color reproduction, color saturation and other aspects, with richer colors, appropriate image contrast, and better permeability.

E4B Series greatly improves night vision performance in extremely low light (motion scenes)



Night vision image details optimization in motion scenes

4M E3B-A
0.04Lux



4M E4B
0.04 Lux



E4B Series Highlighted Upgrades

- ✓ In low-light motion scenes, the E4 series night vision images have less motion trailing, more realistic moving object target recognition, less noise, and more obvious contours. Better color retention and lower color noise.

E4BH Dual light Full Color, dramatically improves imaging quality

TVT

0.07Lux Environment

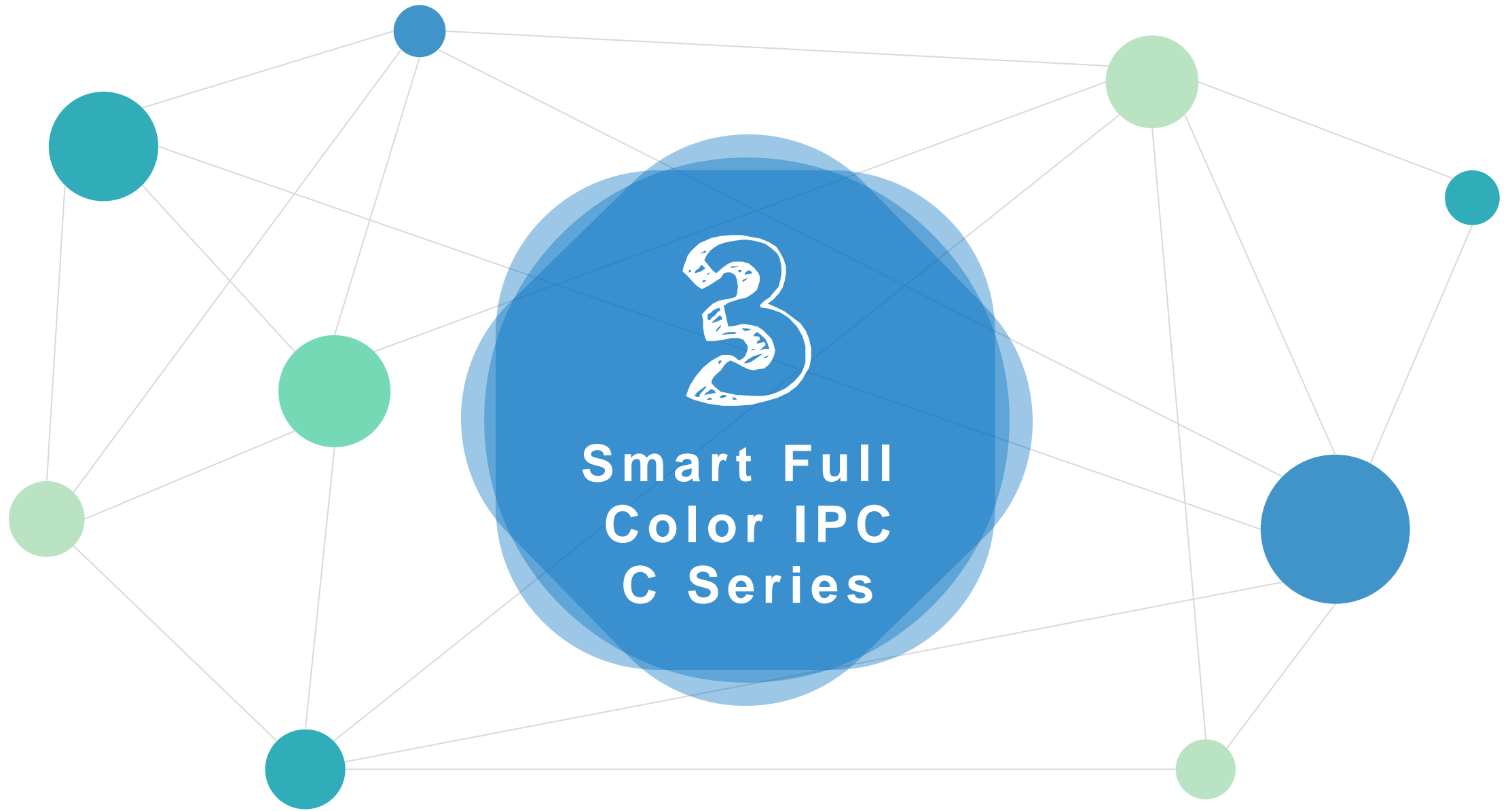


E3B Traditional ISP



E4BH AI ISP Full Color

TVT E4BH series, all developed based on intelligent AI ISP algorithms, significantly improve imaging processing in terms of noise elimination, color reproduction, wide dynamics, high light suppression and other aspects through AI algorithms, with F1.0 lens, comprehensively improving the image quality of dark light scenes.



C4 Series, AI ISP black light technology



4MP/6MP resolution, full line equipped with F1.0 Iris, black light imaging



Stacked CMOS technology, the latest stacked ultra-starlight sensor greatly improves the image quality



Full line equipped with warm white light, intelligent white light, or flashing alarm



2T computing power, 30 frames real-time encoding(full series), full line support AI ISP, greatly improved image quality



human/motor vehicle/non-motor vehicle classification, SMD



Support Abandoned/missing object detection, Exception Detection, Line crossing, Region entrance/exiting/intrusion and other intelligent analysis



Enriched interfaces, built-in MIC, alarm, audio, SD card slot, reset, one key disarm



Support dual system backup



C4 Series

✓ 4MP: TD-9x4xC4

✓ 6MP: TD-9x8xC4

Fixed/motorized lens optional

C4-A Series, fully upgrading to black light imaging



C4-A Series **New**

- ✓ 4MP: TD-9x4xC4-A
- ✓ 8MP: TD-9x8xC4-A



4MP resolution, full line equipped with F1.0 iris, black light imaging



1/1.8" CMOS, the latest stacked ultra-starlight sensor greatly improves the image quality



Full line equipped with warm white light, intelligent white light, or flashing alarm.



2T computing power, 30 frames real-time encoding(full series), full line support AI ISP, greatly improved image quality



human/motor vehicle/non-motor vehicle classification, SMD



Support Abandoned/missing object detection, Exception Detection, Line crossing, Region entrance/exiting/intrusion and other intelligent analysis



Enriched interfaces, built-in MIC, alarm, audio, SD card slot, reset



Support dual system backup

C4H Series, black light grade flagship product



4MP resolution, full line equipped with F1.0 iris, black light imaging



1/1.8" CMOS, the latest stacked ultra-starlight sensor greatly improves the image quality



Full line equipped with warm white light, -PA series support dual light, Built-in speaker, red/blue warning lights.



3.2T computing power, 30 frames real-time encoding(full series), full line support AI ISP, greatly improved image quality



Human/vehicle classification, AI-Metadata, simultaneous AI

- ✓ Object detection ✓ Heat map
- ✓ Exception ✓ Face detection
- ✓ Perimeter alarm ✓ Face Capture
- ✓ Intrusion ✓ Loitering
- ✓ Enter/Leave Area ✓ Illegal parking
- ✓ Counting by line ✓ Abnormal sound detection
- ✓ Counting by area ✓ Video metadata



Enriched interfaces, built-in MIC, alarm, audio, 1TB SD card slot, 8GB eMMC, reset, (Motorized models support CVBS and RS485 interface)



Support dual system backup



C4H Series **New**

- ✓ 4MP: TD-9x4xC4H
- ✓ 8MP: TD-9x8xC4H

Fixed/motorized lens optional

C4H-A Ultimate Full-Color Performance



C4H-A Series

New

✓ 8MP: TD-9x8xC4H-A

Support Fix lens
2025Q3



8MP resolution, full line equipped with F1.0 iris, black light imaging



1/1.2" CMOS, the latest stacked ultra-starlight sensor greatly improves the image quality



Equipped with warm white light, Built-in speaker, red/blue warning lights.



4T computing power, 30 frames real-time encoding, support AI ISP, greatly improved image quality



Human/vehicle classification, AI-Metadata, simultaneous AI

- ✓ Object detection ✓ Heat map
- ✓ Exception ✓ Face detection
- ✓ Perimeter alarm ✓ Face Capture
- ✓ Intrusion ✓ Loitering
- ✓ Enter/Leave Area ✓ Illegal parking
- ✓ Counting by line ✓ Abnormal sound detection
- ✓ Counting by area ✓ Video metadata

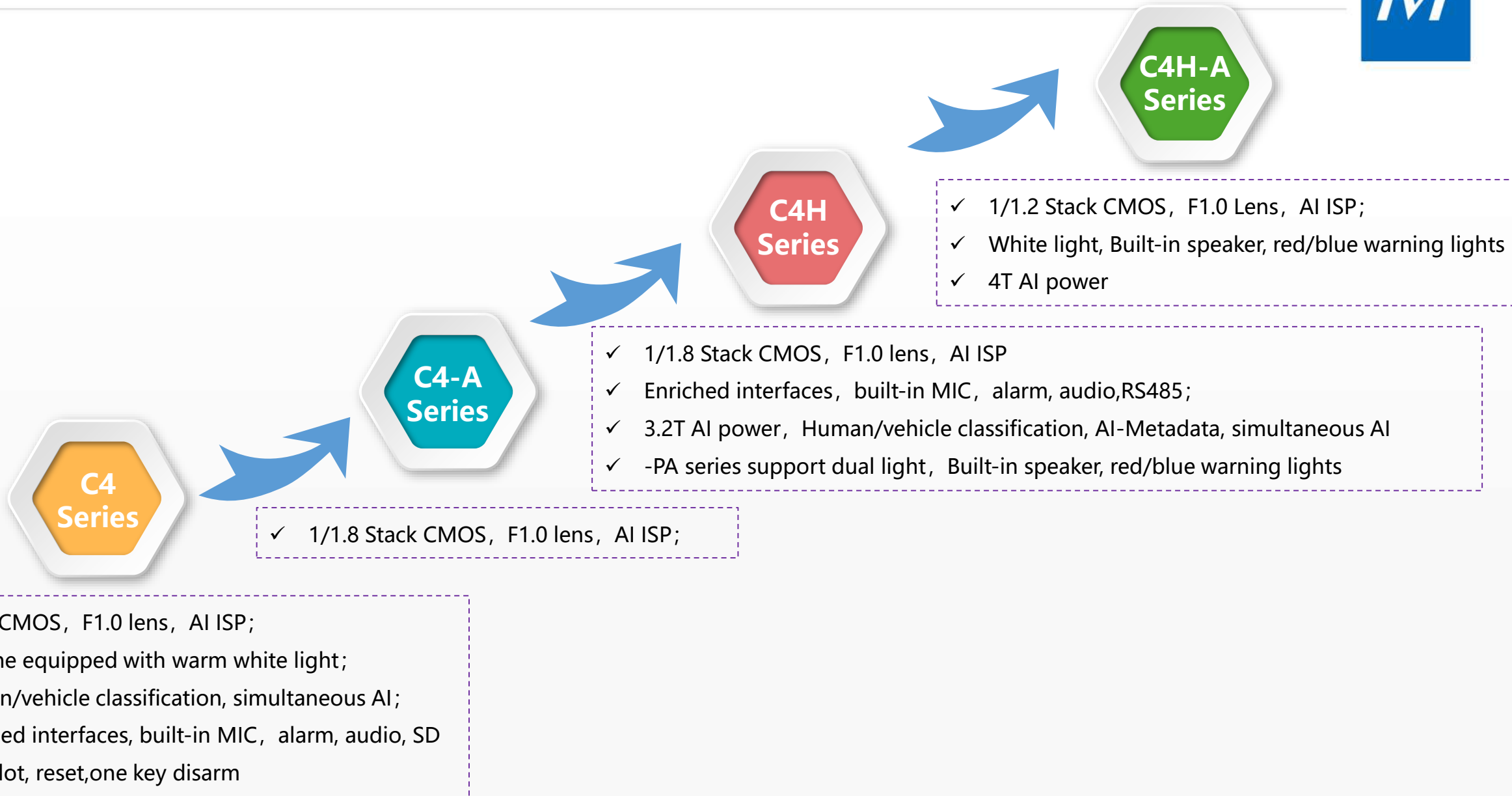


Enriched interfaces, built-in MIC, alarm, audio, SD card slot, reset



Support dual system backup

Full-Color Product Series Comparison



Comparison testing of night vision imaging under extreme low illumination without supplementary light



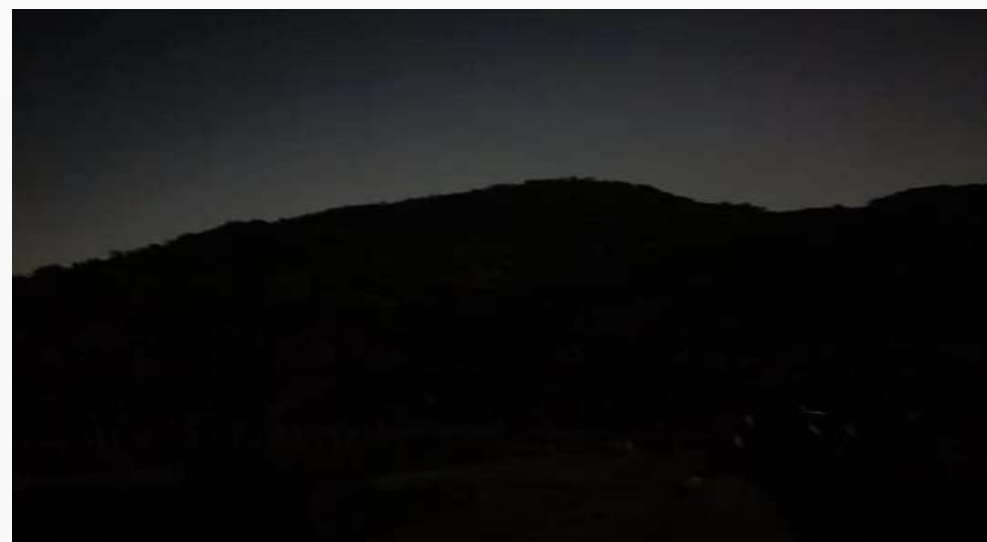
Enhanced C4H (F1.0, 1/1.8")



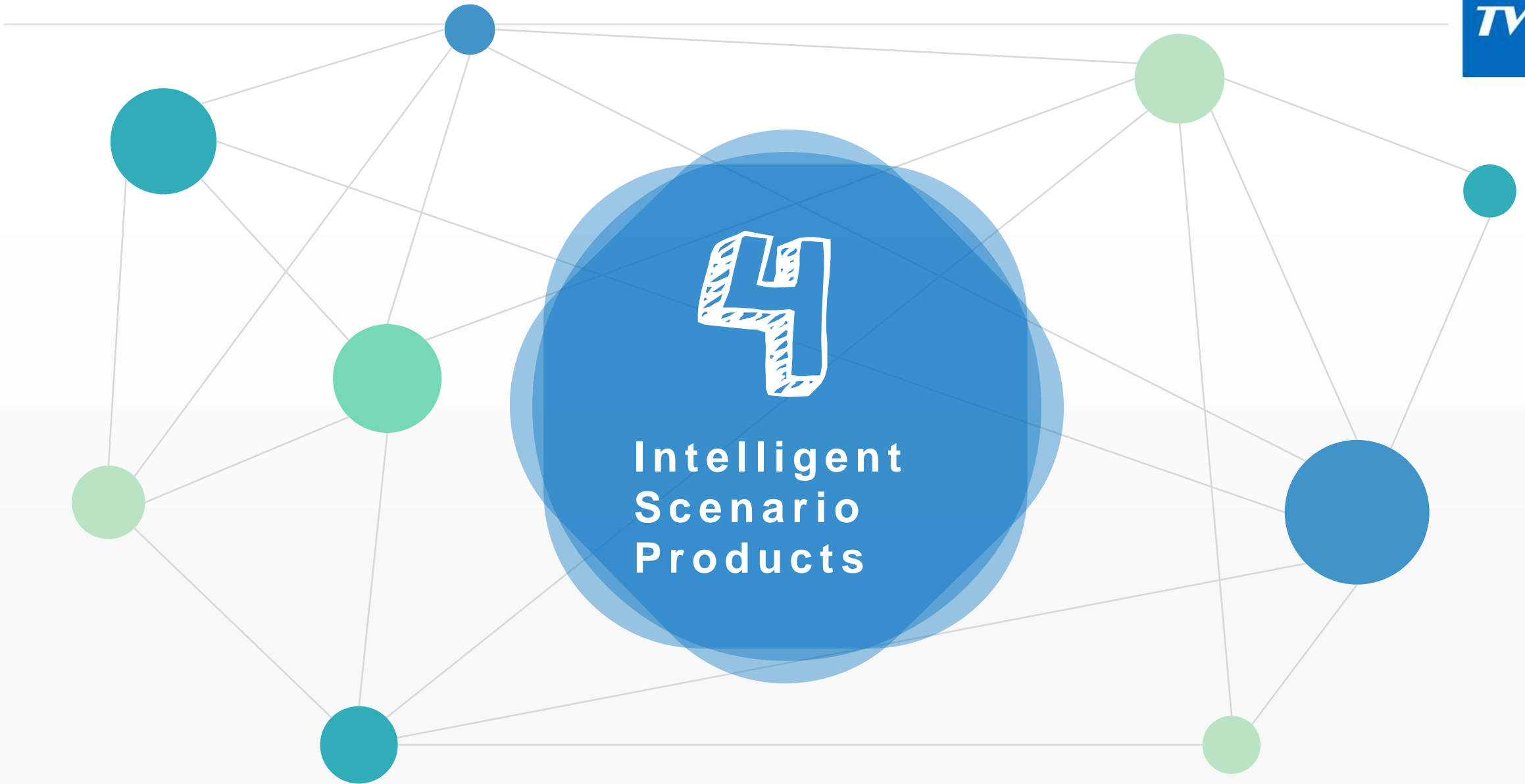
Standard C4 (F1.0, 1/2.9")



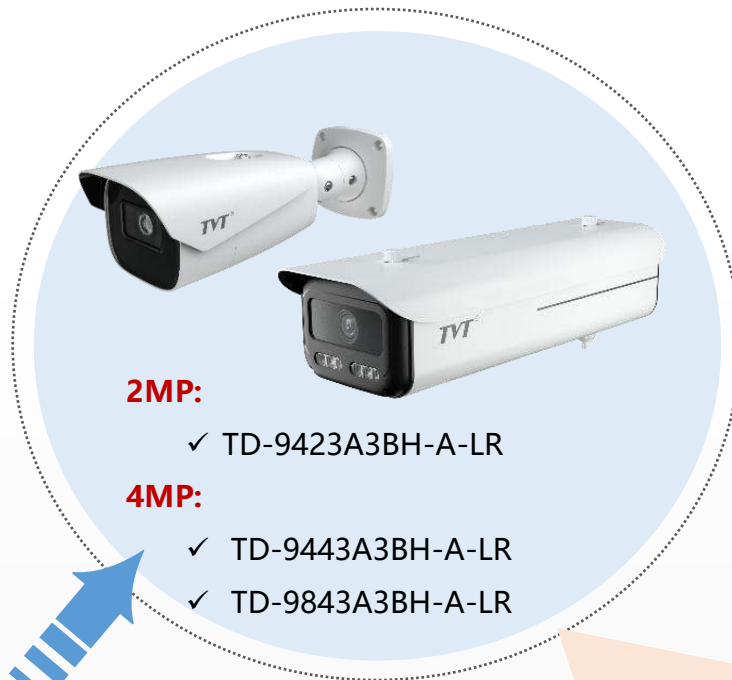
First Generation Fullcolor C2H (F1.0, 1/1.8")



Mobile Phone



license plate recognition products



2MP:

✓ TD-9423A3BH-A-LR

4MP:

✓ TD-9443A3BH-A-LR

✓ TD-9843A3BH-A-LR



Infrared/white light optional, stronger light filling distance



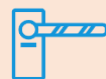
1/1.8 "super large sized sensor, high performance CMOS, super starlight imaging



Support license plate capture within 120km/h, capturing accuracy $\geq 99\%$.



Support plate capture, unlicensed car, license exposure, driving direction, character tolerance, vehicle attribution (color, color, car type, car brand/model and other information)



Built-in relay, support camera control/platform control/manual control of gate open/close/stop and other operations, support connecting tos to screen display device display captured plate number

Binocular People Counting Terminal



Application Scenarios



Restaurant



Cinema



Entrance of elevator



Ticket window



Office hall



Park entrance



Kindergarten



Property hall



Swimming pool



✓ 4MP: TD-9742A3-PC



Human-device interaction: Support binocular recognition, dual sound pickup, two-way talk, intelligent alarm linkage



Passenger flow statistics: classified statistics of people entering and leaving data; separate statistics of children's data; support target height filtering, headcount detection, overcrowding detection, retrograde detection, etc.



Report analysis: real-time data upload and cycle upload, support daily, weekly, monthly and yearly reports, categorized statistical analysis.

180° multi sensor camera

TVT

First-generation dual lens Panoramic



4M*2 binocular 180 ° splicing, 8MP 30F



2.25T AI power, Human/vehicle classification, Metadata, simultaneous AI



Built-in dual MIC and speaker, support two-way intercom, support multiple customized voice



Support infrared white dual light intelligence, red and blue light and audio alarm



Audio input and output, alarm input and output, support SD card, hardware reset and other rich interfaces



IP67 & IK10, 6KV lightning protection, surge protection, gas discharge, etc

✓ **8MP:** TD-9585E3B-DP
TD-9482E3B-DP

Second-generation dual lens Panoramic



8M*2 binocular 180 ° splicing, 16MP 30F



18T AI power, Support Transformer AI



1/1.8" CMOS, F1.0 lens, AI ISP Full color

✓ **16MP:** TD-95C5E4BH-DP
TD-94C2E4BH-DP
2025Q4



Dual Lens Panoramic

180 ° ultra wide FOV camera



2.7T high computing power, real-time full frame coding



Support intelligent lighting, starlight, ultra-wide FOV 180° view



Support human/vehicle/non-motorized vehicle intelligent detection and identification, multi-AI algorithm fusion parallel.



- ✓ Objection Abandoned/Missing
- ✓ Abnormal detection
- ✓ Line Crossing detection
- ✓ Intrusion detection
- ✓ Enter/leave the zone
- ✓ Target Counting by Line/Area
- ✓ Heat map
- ✓ Crowds gather
- ✓ Face detection
- ✓ Loitering detection
- ✓ Illegal parking detection
- ✓ Sound abnormal detection
- ✓ Video Metadata



Rich interfaces: built-in MIC, audio/alarm , CVBS , 512GB SD card, reset,etc



IP67&IK10, 6KV lightning protection,surge prevention, gas discharge, etc



Ultra Wide Angle 180 °

new

✓ 4MP: TD-9544E4B-FV

Release time: 2025 Q3

Dual head non-stitching camera



2.25T computing power, 4M*2 real-time coding, support dual channel AI



Built-in speaker, stereo double MIC, two-way intercom, support multiple customized voice



Support human/vehicle/non-motorized vehicle intelligent detection and identification, multi-AI algorithm fusion parallel.



- | | |
|--------------------------------|-----------------------------|
| ✓ Objection Abandoned/Missing | ✓ Crowds gather |
| ✓ Abnormal detection | ✓ Face detection |
| ✓ Line Crossing detection | ✓ Loitering detection |
| ✓ Intrusion detection | ✓ Illegal parking detection |
| ✓ Enter/leave the zone | ✓ Sound abnormal detection |
| ✓ Target Counting by Line/Area | ✓ Video Metadata |
| ✓ Heat map | |



Audio input and output, alarm input and output, support SD card, hardware reset and other rich interfaces



IP67&IK10, 6KV lightning protection, surge prevention, gas discharge, etc










Binocular non-splicing camera

✓ **2 x 4MP: TD-9844E3B(D/PE/AR2)**

new

Flood Light IPC



-  Resolution: 4MP×2 stereo cameras with 180° panoramic stitching
8MP real-time video encoding
-  2.25T AI support Transformer
-  Dual lighting system (IR + white light), Built-in siren with red/blue warning LEDs
-  Wi-Fi 5 dual-band (2.4GHz/5GHz) transmission, Bluetooth configuration interface
-  Dual-microphone array with noise suppression
-  64GB embedded eMMC storage, Cloud storage synchronization support
-  2000-lumen LED illuminator, Adjustable brightness and color temperature control



2025Q4 Release

4G/solar products

TVT

Solar panel



60W solar panel, Maximum power consumption < 7W, 4G keepalive mode < 2W;



23Ah/12.8V lithium battery, support 5 days continuous rainy day work



Support battery management, power display, low temperature protection, and other health check

Integrated Management



Tailless design, wire storage protection, multi-angle solar panel adjustable



IP67 , can resist 12 grade typhoons, stable and reliable



✓ **4MP: TD-9846SP1(D/G4/WR2)**

Smart monitoring



4MP, F1.0, 1/1.8 "CMOS , built-in 64GB EMMC, SD card, RS485 interface



Ultra starlight imaging, 7×24h full color, smart lighting, F1.0



Built-in 4G and WIFI module



Support human/vehicle, two-way intercom



PIR, wide detection range, high sensitivity, fast wake up

Application scene



Forest



Grassland



Orchards



Beach



Mountain



Marine



danger area



Gobi Sand

Second-Generation Solar-Powered Camera



TD-9946SP2(D/G5/AW2) 2025Q4

Item	Current product	Second-Generation
resolution	4M 1/1.8	4M/8M 1/1.8
Full color	F1.0 white light	F1.0 AI ISP dual light
lens	fix focus	fix/MVF focus lens
AI	0.75T	4T Transformer
Communication	4G	4G/5G/WiFi/eSIM
Storage	SD Card	SD Card, build in 64G eMMC
Low power	PIR	PIR, AOV
Audio	MIC, Speaker	Dual MIC, Loud Speaker
protection	IP67, Level 12 typhoon	IP67, Level 12 typhoon, GPS, Gravity sensor-based anti-tampering
others		DC output, bigger battery, Alarm

Eco solar energy



8W solar panel, flexible battery health management



maximum power consumption < 5W, 4G alive mode < 1.2W;



Built-in MIC and speaker, 4M, F1.0, 1/1.8", PIR, 4G full Netcom, WIFI, SD card,



Upgrade to intelligent dual light, white + infrared + red and blue light alarm



AOV Supporttower consumption without missing video record, low ping

✓ **4MP: TD-9942S1(D/BA/G4/WF/AW1)**

Eco choice

2025Q2 release

Explosion-proof series products



Explosion-proof series camera

all new

- ✓ fixed lens bullet: TD-9842AE-FB(D/PE/AR5)
- ✓ fixed focus dome: TD-9842AE-FD(D/PE/AR3)
- ✓ Motorized bullet: TD-9842AE-AB(D/AZ/PE/AR5)



4MP, high computing power hardware, starlight imaging, full FPS coding



Corrosion-resistant 304 stainless steel, rust prevention



Optical grade high strength, high light transmission and explosion proof glass, dustproof, waterproof and oil proof lens



Passed the national IIC grade gas + dust flameproof double highest level certification

✓ Item sitting

✓ Thermal map

✓ Anomaly detection

✓ Face detection

✓ Out-of-bounds detection

✓ Face capture

✓ Wandering detection

✓ Area intrusion detection

✓ Stop detection

✓ Abnormal sound detection

✓ Enter/leave the zone

✓ Video structuring

✓ Over the line statistics

✓ Area statistics



Built-in MIC, alarm interface, audio interface, SD card, reset.



IP68 dustproof and waterproof protection, not afraid of harsh environment



Upgrade to support dual system disaster recovery backup

Edge computing product - AI BOX

TVT

Device management capability

- ✓ Supports 8/16 channel video input
- ✓ H.264&H.265 decoding, up to 8MP resolution IPC, 4K ultra-clear picture quality
- ✓ Support 100,000 face library, 10 groups of portrait library management; Support face capture comparison



AI BOX

- ✓ 16 channel: TD-N7116

High computing power, multiple algorithms

- ✓ 16T high computing power
- ✓ Second level structuring,
- ✓ Deep learning algorithms, behavior analysis and other custom algorithms, support structured information retrieval

Industrial design, stable quality

- ✓ Embedded system, support edge computing, easy to use, high cost performance;
- ✓ Stable operation in complex environment, working temperature: -20~65 °C, humidity 10%~90%
- ✓ Low power consumption ≤ 10W

Flexible in multiple scenarios

- ✓ Support RTSP/1400/API and other flexible ways to connect to the upper platform
- ✓ Supports dual network port, full duplex RS485, SD card
- ✓ Support local intercom

Support for algorithm classification

Face capture

Face comparison

Region intrusion

Crossing detection

Personnel intrusion

Personnel tailgating

Over the line statistics

Off-post detection

Zone entry/exit

Smart WIFI kit



S4L-C Series WiFi IPC



Intelligent dual light, SMD AI, smart white light, human-computer interaction function



SMD intelligent detection effectively filter the impact of environmental interference, greatly reduce the false alarm rate.



Built-in MIC, support DWDR, HLC, DNR, BLC, ROI, privacy mask, flashing alarm and other functions



2.4Ghz Wifi ,one-click pairing, channel encryption, up to 80 meters stable transmission distance.

Series 30 WiFi NVR



Support up to 8MP pixel IPC access



Support up to 4K image display, 3840 × 2160@30fps full frame



Support 4*1080P decoding capability, 4/8 synchronous preview or playback



Maximum input/forward bandwidth: 64Mbps/64Mbps



IPC intelligent detection and linkage, according to time slice, events, labels and other intelligent retrieval



2.4Ghz WIFI , one-click pairing, channel encryption, support 4/8 channel WIFI interconnection,



WiFi IPC

✓ 4MP: TD-9441S4L-C(D/WF/AW2)

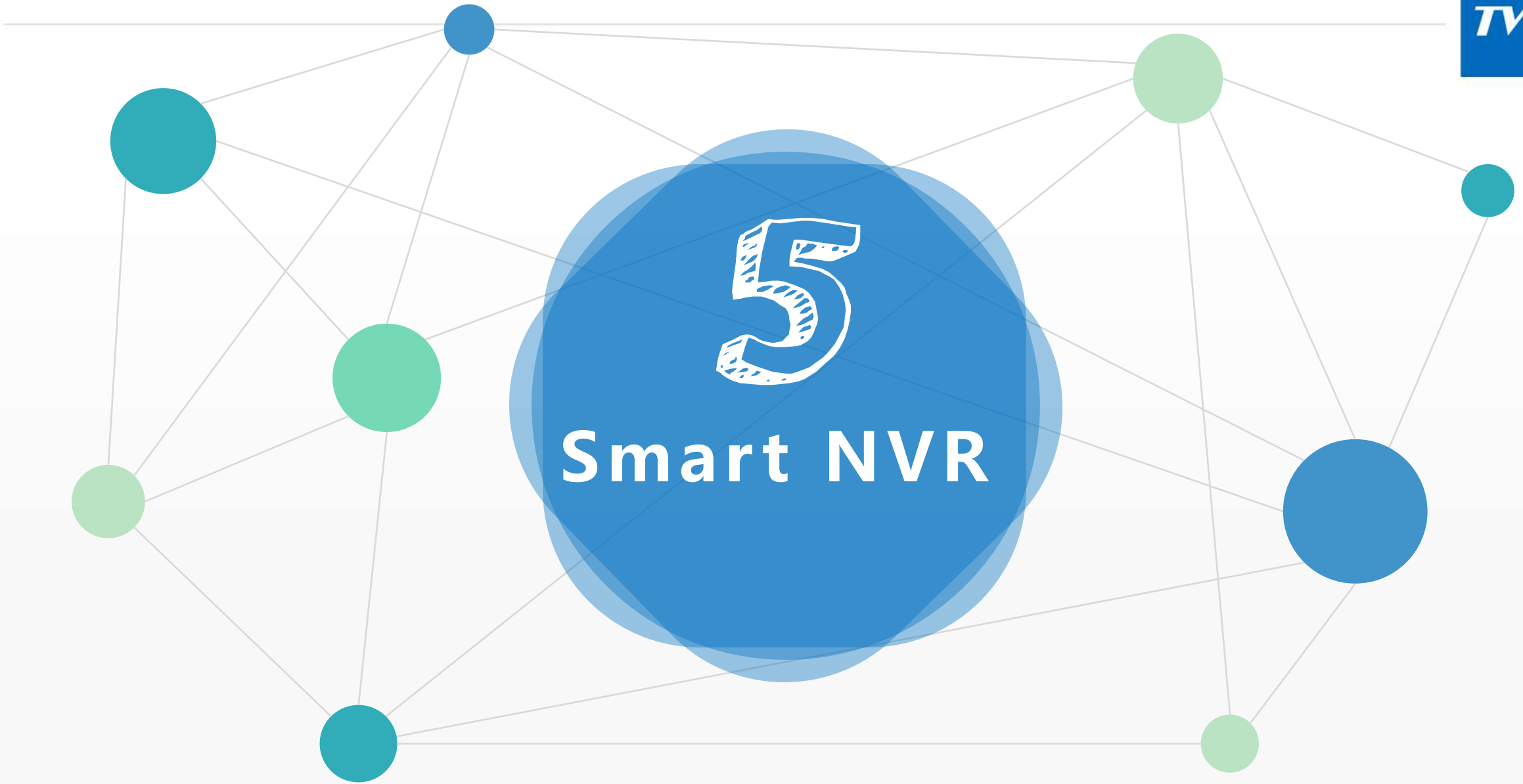
WiFi NVR

✓ 4 channel: TD-3004H1-A1-WF

✓ 8 channel : TD-3008H1-A1-WF

2025Q2 release

All new



TVT 30 series basic universal NVR



30 Series NVR

- ✓ 1 disc 4 channels: TD-3004H1-B1-B (POE optional)
- ✓ 1 disk with 8 channels: TD-3008H1-B1-B (POE optional)
- ✓ 1 disk with 16 channels: TD-3016H1-A1
- ✓ 2 discs with 32 channels: TD-3032H2-A1

new



Supports up to 8MP IPC access



4K image output display, the highest resolution 3840 × 2160@30fps



4/8 channel :4*1080P decoding capability, 16/32 channel : 6*1080P decoding capability



Support up to 16 synchronous playback, a variety of splitted segments



Up to 160Mbps/160Mbps bandwidth



Support intelligent retrieval according to time slice, event, label and so on, efficient extraction of video information



Support manual alarm, sensor alarm, detection alarm, abnormal alarm, event alarm



Support front-end IPC multiple intelligent detection access and linkage

TVT 31 Series Lite version NVR



Support up to 8MP resolution IPC access



Support up to 4K ultra HD display, the highest resolution 3840 × 2160@30fps



Decoding capability: normal mode 8*1080P, AI mode 6*1080P
(Enabling AI mode will take up 2*1080P decoding performance)



Support up to 16 synchronous playback



Up to 192Mbps/192Mbps bandwidth



Intelligent retrieval according to time slice, event, tag and so on



Support manual alarm, sensor alarm, detection alarm,
abnormal alarm, event alarm and other types



Pre-detection access and linkage, human/vehicle detection and detection at NVR side.



31 series NVR

1 disc position:

- ✓ 4 CH: TD-3104H1-B2-B (POE optional)
- ✓ 8 CH: TD-3108H1-B2-B (POE optional)
- ✓ 16 CH: TD-3116H1-B2-B (POE optional)

2 disk positions:

- ✓ 8 CH: TD-3108H2-8P-B2-B
- ✓ 16 CH: TD-3116H2-B2-B (POE optional)
- ✓ 32 CH: TD-3132H2-B2-B

new

4 disk positions:

- ✓ 32 CH: TD-3132H4-B2-B

new

33 series standard NVR



Support up to 16MP resolution IPC access



Support up to 4K display, A3H series upgrade support 8K picture quality display



Normal mode 16*1080P, AI mode 14*1080P
(Enabling AI mode will take up 2*1080P decoding performance)



Input/forward bandwidth: Up to 768Mbps/768Mbps



Dual NIC ports, supports dual output mode, A3H series upgrade supports four-screen linkage, RS485 and other rich interfaces



Intelligent retrieval according to time slice, event, label and so on, efficient extraction of video information



Support manual alarm, sensor alarm, detection alarm, abnormal alarm, event alarm and other types



Full series supports post-intelligent AI detection and pre-detection access and linkage, supports second level structuring



Support 10000 face database, support multi-channel face detection and face comparison



33 series NVR

1 disc slots:

- ✓ 8 channel: TD-3308H1-B2-B

2 disk slots:

- ✓ 16 channel: TD-3316H2-B2-B
- ✓ 32 channel: TD-3332H2-B2

4-disc slots

- ✓ 16 channel: TD-3316H4-B2
- ✓ 32 channel: TD-3332H4-B2

8 disk slots:

- ✓ 32 channel: TD-3332H8-B2/B3
- ✓ 64 channel: TD-3364H8-B3

16 disk slots:

- ✓ 64 channel: TD-3364H16-B3
- ✓ 128 channel: TD-33128H16-B3

TVT 33 series standard NVR (A3H series)



8 disk slots:

- ✓ 64 channels: TD-3364H8-A3H



Supports up to 16MP resolution IPC access



32*1080P in common mode, 24*1080P in AI mode
(AI mode will take some performance)



Support 8K image quality, up to 7680×4320@60fps



Input/forwarding bandwidth: 640/640Mbps



SATA*8, E-SATA*2, single disk 10T, support RAID 0/1/5/6/10



Dual gigabit port, 16ch alarm in/8ch out, RS485,
local intercom, 4HDMI out



6T high computing power, face comparison,
license plate recognition and other rich AI functions



16 disk slots:

- ✓ 64 channels: TD-33 64 H16-A3H
- ✓ 128 channels: TD-33128H16-A3H
- ✓ 256 channels: TD-33256H16-A3H



Up to 16MP resolution IPC access is supported



32*1080P in normal mode, 24*1080P in AI mode
(AI mode will take some performance)



Supports 8K quality, up to 7680×4320@60fps



Input/forward bandwidth: 640/640Mbps (64 channels),
768/768Mbps (128 channels)



SATA*16, E-SATA*2, single disk 10T, support RAID 0/1/5/6/10



Dual gigabit NIC port, 24ch alarm in/8ch out, RS232, RS485,
local intercom, 4HDMI output



6T high computing power, face comparison,
license plate recognition and other rich AI functions

35 series high-end industry NVR



8 disk slots:

- ✓ 32 channels: TD-35 32 H8-A3H
- ✓ 64 channels: TD-3564H8-A3H



24 disk slots:

- ✓ 128 channels: TD-35128H24-A3H
- ✓ 256 channels: TD-35256H24-A3H



Supports up to 16MP resolution IPC access



Normal mode 32*1080P, AI mode 24*1080P
(AI mode will take some performance)



Supports 8K image quality up to 7680×4320@60fps



Bandwidth: 320/320Mbps (32 channel), 640/640Mbps (64 channels)



Redundant dual power supply



SATA*8, E-SATA*2, single disk 10T, support RAID 0/1/5/6/10



Dual gigabit NIC port, 16 alarm in 8 out, RS232, RS485, HDMI*4



6T high computing power, face recognition comparison and other rich AI functions



Support up to 16MP resolution IPC access



32*1080P in normal mode, 24*1080P in AI mode (Optional double decoding card)



Supports 8K quality, up to 7680×4320@60fps



Input/forward bandwidth: 768/768Mbps



Redundant dual power supply



2 gigabit NIC port, SATA x 24, MiniSAS x 2, RAID 0/1/5/6/10



Alarm interface 24 in 8 out, RS232, RS485, HDMI*4



6T high computing power, face recognition comparison and other rich AI functions

A3H series NVR features enhancement



16MP Access Resolution

Access IPC maximum resolution increased from 12MP to 16MP

8K Ultra-HD Display

Super decoding performance, the output quality is upgraded from 4K to 8K, with the highest display resolution up to 7680×4320@60fps

6T AI Performance

Improves capability of intelligent AI by NVR, channels support detection by NVR upgrade from 4 channels to 8 channels, support video structured parsing, support local face database matching



Four-screen Linkage

The interface is more plentiful, the 2-way output display is upgraded to 4-way HDMI, which can support four-screen linkage display.

640M Network Bandwidth

Superior network bandwidth transmission, support 640Mbps input and output, support a variety of network applications

AI Super resolution output

Support AI arithmetic output ultra-high-definition display, through AI to strengthen the IPC image details, so that 2M IPC through the HDMI display output can get 4K effect (AI Super resolution function 2024Q1)

TVT Next-generation 31 Series Lite NVR With AI large models



Support up to 8MP resolution IPC access



4T AI computing power, supporting AI large models; AcuSearch high-precision object retrieval, universal object detection, and enhanced target identification.



Support up to 4K ultra HD display, the highest resolution 3840 × 2160@30fps



Decoding capability: normal mode 8*1080P, AI mode 6*1080P
(Enabling AI mode will take up 2*1080P decoding performance)



Support up to 16 synchronous playback



Up to 192Mbps/192Mbps bandwidth



Intelligent retrieval according to time slice, event, tag and so on



Support manual alarm, sensor alarm, detection alarm, abnormal alarm, event alarm and other types



31 series NVR

1 disc position:

- ✓ 8CH: TD-3108H1-B2-X (POE optional)
- ✓ 16CH: TD-3116H1-B2-X (POE optional)

2 disk positions:

- ✓ 8CH TD-3108H2-8P-B2-X
- ✓ 16CH: TD-3116H2-B2-X (POE optional)
- ✓ 32CH: TD-3132H2-B2-X

4 disk positions:

- ✓ 32CH: TD-3132H4-B2-X

TVT Next-generation 33 Series standard NVR With AI large models



Support up to 16MP resolution IPC access



20T/40T AI support AI large models; AcuSearch high-precision object retrieval; universal object detection with enhanced target identification; algorithmic self-learning to adapt to human/vehicle scenarios and reduce false positives; large-model text search for rapid target retrieval via text input



Support up to 4K display, A3H series upgrade support 8K picture quality display



Normal mode 16*1080P, AI mode 14*1080P
(Enabling AI mode will take up 2*1080P decoding performance)



Input/forward bandwidth: Up to 768Mbps/768Mbps



Dual NIC ports, supports dual output mode, A3H series upgrade supports four-screen linkage, RS485 and other rich interfaces



Intelligent retrieval according to time slice, event, label and so on, efficient extraction of video information



Support manual alarm, sensor alarm, detection alarm, abnormal alarm, event alarm and other types



33Series NVR

8 disk positions:

✓ 32CH: TD-3332H8-A3H-X

✓ 64CH: TD-3364H8-A3H-X

2025Q4发布

TVT Next-generation 35 Series standard NVR With AI large models



Supports up to 16MP resolution IPC access



40T AI support AI large models; AcuSearch high-precision object retrieval; universal object detection with enhanced target identification; algorithmic self-learning to adapt to human/vehicle scenarios and reduce false positives; large-model text search for rapid target retrieval via text input; algorithmic autonomous training enabling on-scene target detection on NVR devices and quick deployment of scene-adapted algorithms



Normal mode 32*1080P, AI mode 24*1080P
(AI mode will take some performance)



Supports 8K image quality up to 7680×4320@60fps



Bandwidth:320/320Mbps (32 channel), 640/640Mbps (64 channels)



Redundant dual power supply



SATA*8, E-SATA*2, single disk 10T, support RAID 0/1/5/6/10



Dual gigabit NIC port, 16 alarm in 8 out, RS232, RS485, HDMI*4



8 disk :

✓ 32CH: TD-3532H8-A3H-X

✓ 64CH: TD-3564H8-A3H-X

2025Q4

AcuSearch algorithm, from "face recognition" to "people recognition"



Limitations of current face recognition algorithm:

The monitoring area of a single camera is limited, and the overlap of the monitoring range between different cameras is very low, and is limited by the installation position and deployment density of the capture camera, difficult to capture a clear face, difficult to quickly identify, locate and track the target

TVT Re-ID pedestrian re-recognition algorithm



Object
Graph

Retrieve match results across
multiple channels

Typical application scenarios

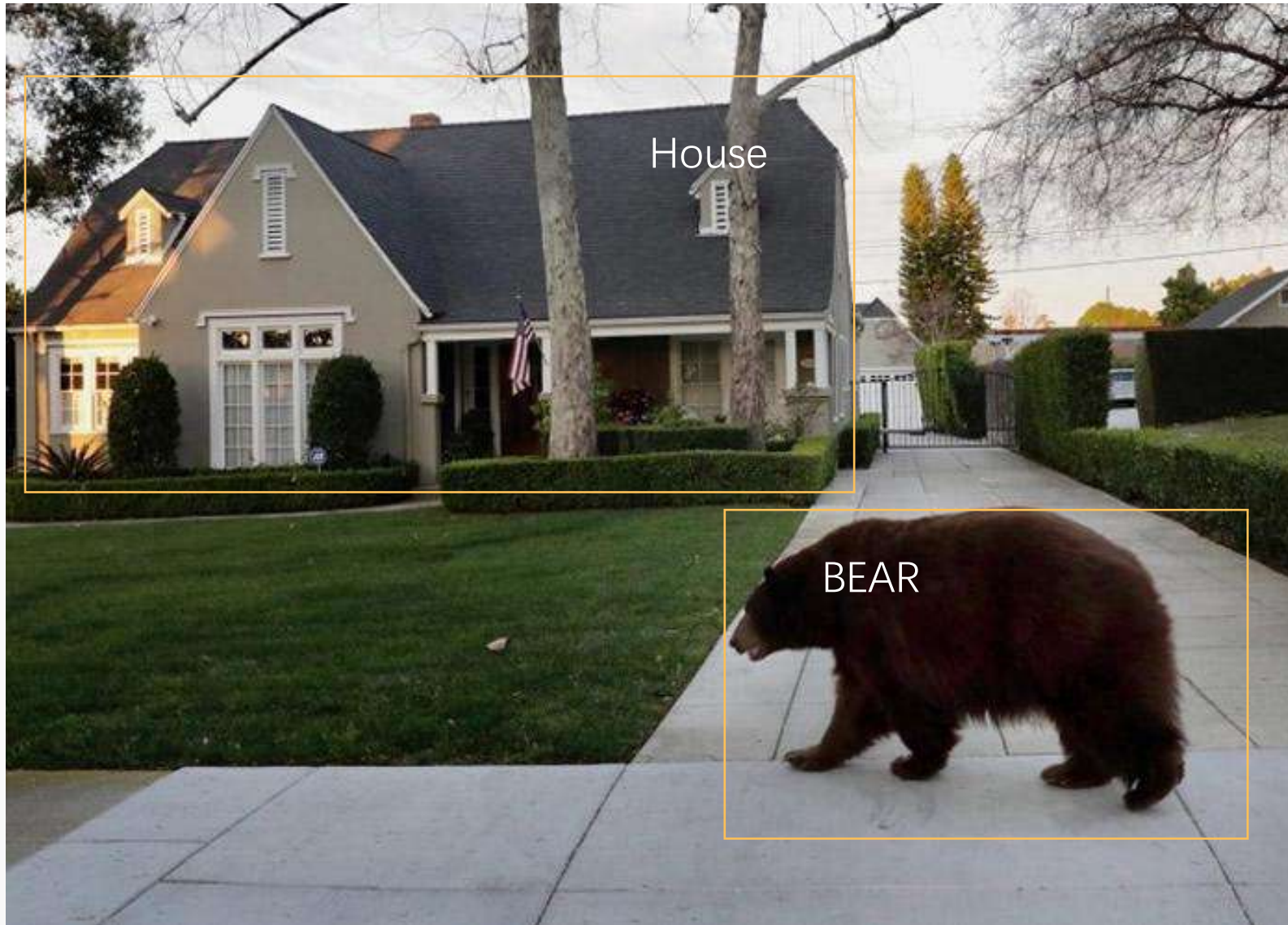
01 Elderly/children lost

02 Police hunt suspects

03 Supermarket/tourist flow analysis

The same Re-ID pedestrian re-recognition algorithm (TVT AcuSearch) can effectively distinguish and identify the target portrait from a variety of complex situations such as messy background, diversity of posture, different lighting environments, and possible occlusion. The cognitive level of AI intelligence is advanced from "face recognition" to "person recognition", and effectively supplements face recognition in the application, bringing significant improvement in efficiency.

Universal Object Recognition via Large Models



Universal Object Recognition

- ✓ Zero-shot Learning;
- ✓ Supports expanded recognition of objects and animals
- ✓ Enhance algorithm accuracy

User-friendly, text
box input, one-
click navigation

Open-ended
Fuzzy Language
Retrieval

Works seamlessly
with most of TVT
IPC

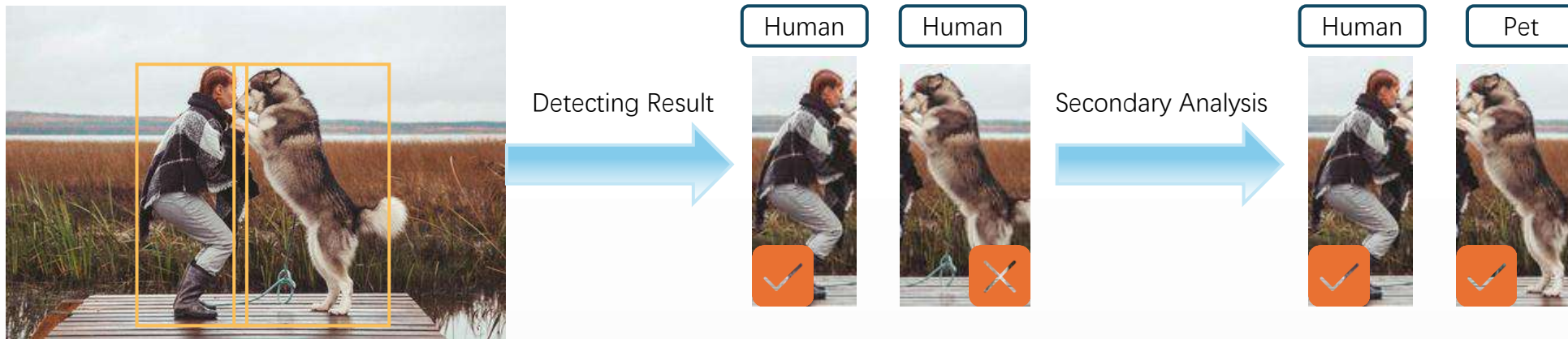
Human

Vehicle

non-motor vehicle

The person who rides a motorcycle without wearing a safety helmet

Search

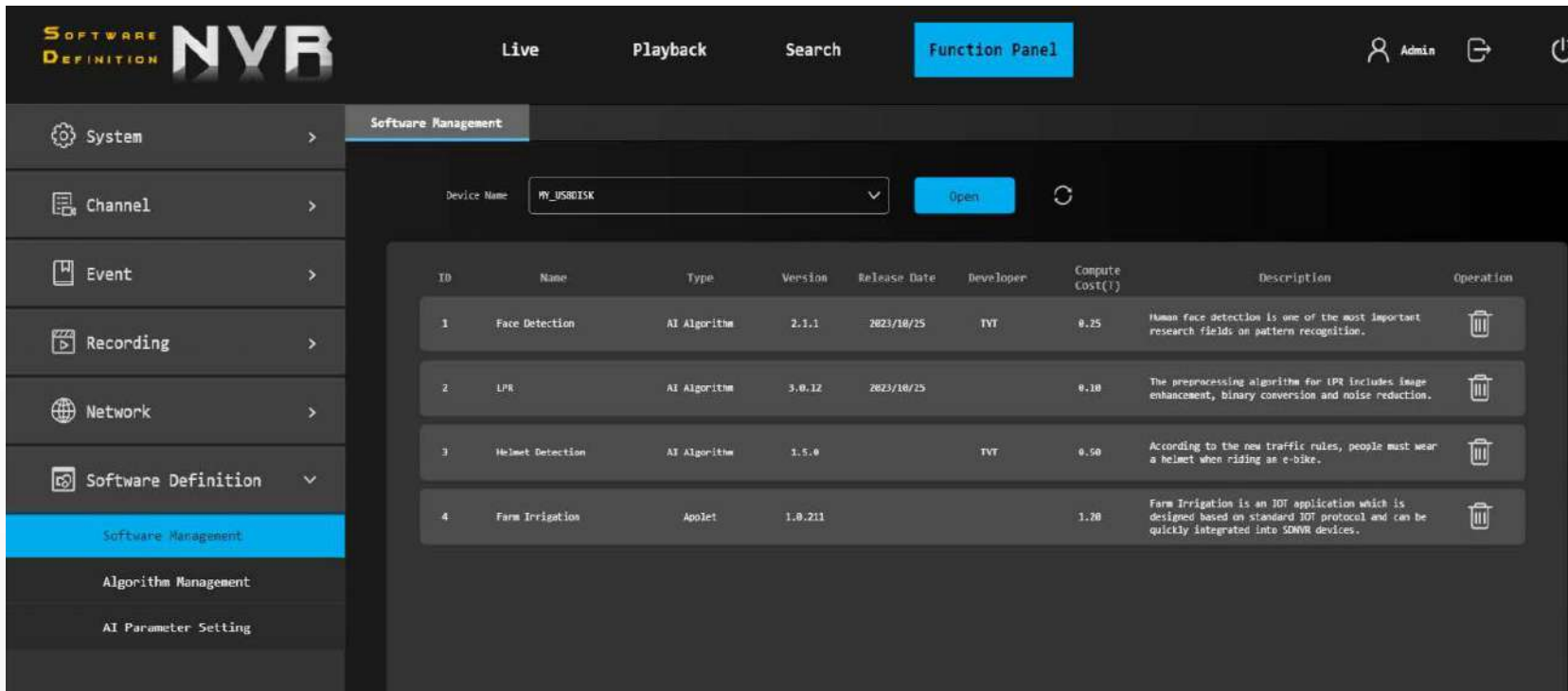


Large models with self-learning

- ✓ human and vehicle perimeter detection;
- ✓ Secondary recognition by large AI models to improve accuracy
- ✓ Autonomous relearning to identify misclassified objects, Significant reduction in misrecognition rate after subsequent use

Large model algorithms capable of autonomous training

TVT



Large model algorithms training

- ✓ NVR local algorithms training;
- ✓ Rapid algorithm iteration and direct use
- ✓ Simple operation, no algorithm development needed
- ✓ Effectively meets various niche AI applications



Large Model NVR AI Feature Comparison



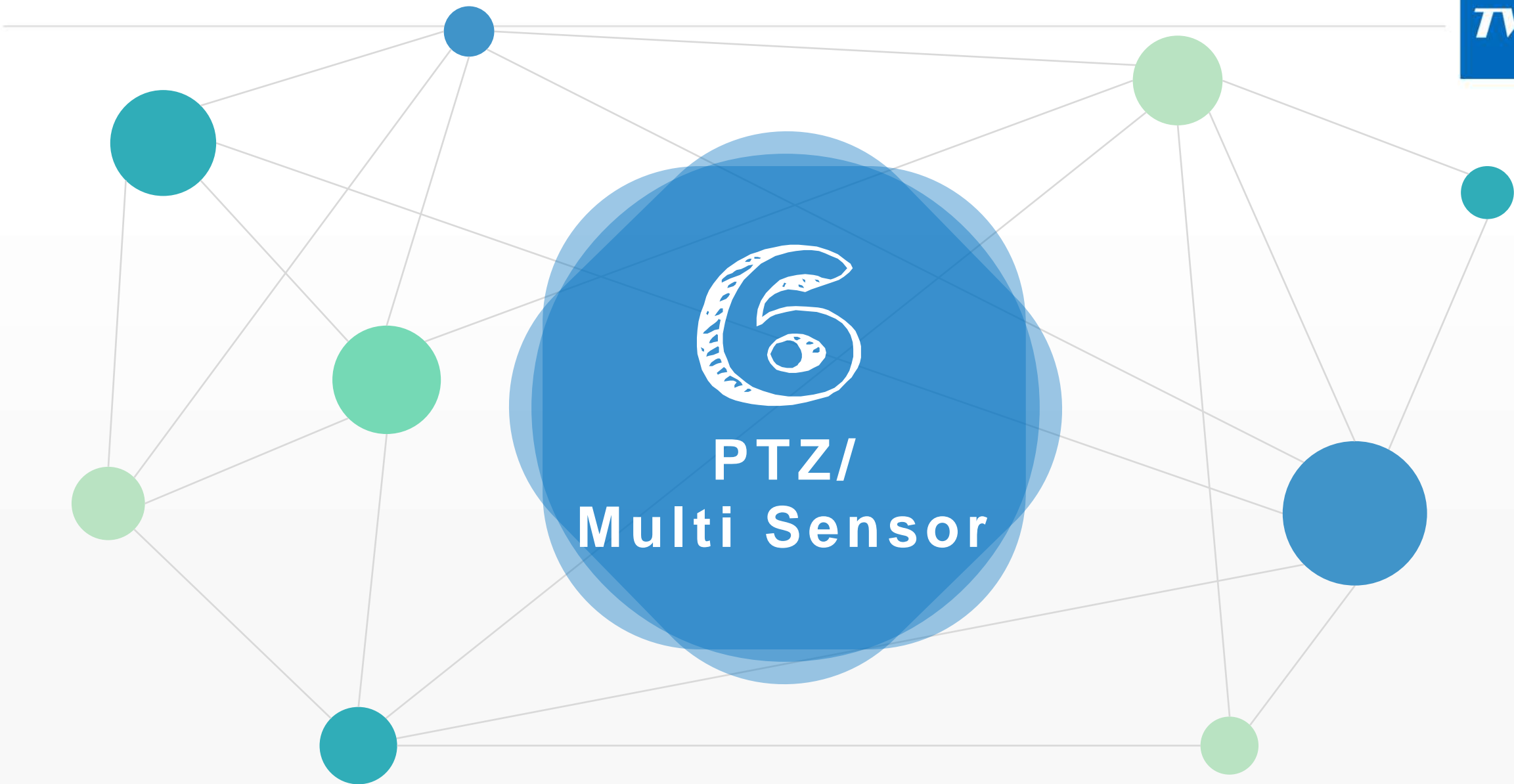
- ✓ AcuSearch;
- ✓ Universal Object Recognition;



- ✓ AcuSearch;
- ✓ Universal Object Recognition;
- ✓ Large models with self-learning
- ✓ Large Model Text Search



- ✓ AcuSearch;
- ✓ Universal Object Recognition;
- ✓ Large models with self-learning
- ✓ Large Model Text Search
- ✓ Large model algorithms training



PTZ Family

All NDAA
Compliant



							Compliant				
8MP	 8MP 3X IR	 8MP 4X Dual light w/ Siren 360°endless Pan	 8MP 25X 1/2.8" 8MP 20X 1/1.8"	 8MP 32X	 8MP 37X 1/1.8"	 8MP 50X 1/1.8" 500m IR Rain-wiper	 8MP 37X 1/1.8" 800m laser Rain-wiper				
	4MP	 4MP 3X IR	 4MP 4mm Dual light &Audio	 4MP 4X Dual light Two-way Audio	 4MP 20X 1/1.8" 4MP 25X 1/2.8"	 4MP 25X 4MP 32X 4MP 40X	 4MP 20X 1/1.8" Vandalism dome	 4MP 37X 1/1.8" 4MP 32X 1/2.8"	 4MP 40X 1/1.8" Rain-wiper	 4MP 50X 1/1.8" 500m IR Rain-wiper	 4MP 37X 1/1.8" 800m laser Rain-wiper
		2MP	 2MP 4mm IR		 2MP 15X 2MP 20X	 2MP 25X 2MP 32X 2MP 40X	 2MP 25X Vandalism dome	 2MP 32X 1/2.8"			
1Inch			2Inch	3Inch	4Inch	5Inch	7Inch	8Inch			

8 inch high end PTZ (laser infrared)



Parameter Specifications



1/1.8", SONY 4th generation latest starlight sensor, cinema imaging quality



Minimum illumination 0.0005 lux@F1.2



800m intelligent supplement light, video automatically matched zoomed laser



6 ~ 222mm lens, 37x optical zoom, 8x digital magnification



High RPM, horizontal 240°/s
vertical 180°/s

AI Intelligent algorithm



1.5T computing power, deep learning engine, on-board large memory, 1 second to complete the local database fast information retrieval;



Support regional intrusion/entry/departure detection, sound anomaly, face detection/capture/comparison, license plate capture/recognition, tracking



Professional design, quality assurance



IP67 IK10 protection



6KV lightning protection, gas discharge



-40 °C ~ 65 °C wide temperature work, built-in heater and fan



7 in 2 out alarm interface, 1 in 1 out audio interface, RS485, support SD card, reset



Electric wiper, timing/manual water removal, fear no wind and rain

✓ 4MP:

- ✓ Regular: TD-8843IM2N(PE/WP/37M/VL80)
- ✓ Enhanced: TD-8843IM2N(PE/WP/37M/VL81)

✓ 8MP:

- ✓ 4K model: TD-8883IM2N(PE/WP/37M/VL80)

Enhancements:

- Improved resolution to 2688x1520;
- Support 60fps display;
- And add license plate recognition and vehicle management algorithms.

180 panoramic



180° panoramic stitched image



Starlight imaging, minimum illumination 0.008 lux@F2.0



Support face recognition, intrusion detection, crowd density, smart tracking etc



audio, alarm interface, built-in 4GB EMMC, SD card, reset, etc



IP67 & IK10, 6K V lightning protection, surge protection, etc

Application scenarios



Stadium



Natatorium



School playground



Office hall



Large mall



Cinema




**Four-mesh 180 °
panoramic stitching**


✓ **4×2MP:** TD-6424M3(D/PE/AR2)


✓ **4×4MP:** TD-6444M3(D/PE/AR2)


360 panoramic




 360°panoramic non-stitchingcamera

 4ch 5M, each support motorized pan/tilt/zoom/roll, Each 2.8-8mm zoom

 Support deep learning algorithm,ntrusion detection,perimeterprotection,etc

 -30°C ~ 55°C wide temperature workcondition

 IP67&IK10,6 KV lightning protection,transient suppression,etc



TD-6354E3N(D/PE/AR2)
4x5MP, 4-lens 360° non-splicing

Application scenarios



Sports venues



Outdoor parks



Mall



Community plazas




Playground




Tourist attractions



TD-6528M3(D/PE/AR2)
(8 x 2MP, 8-lens 360° splicing)


 360° panoramic stitching camera

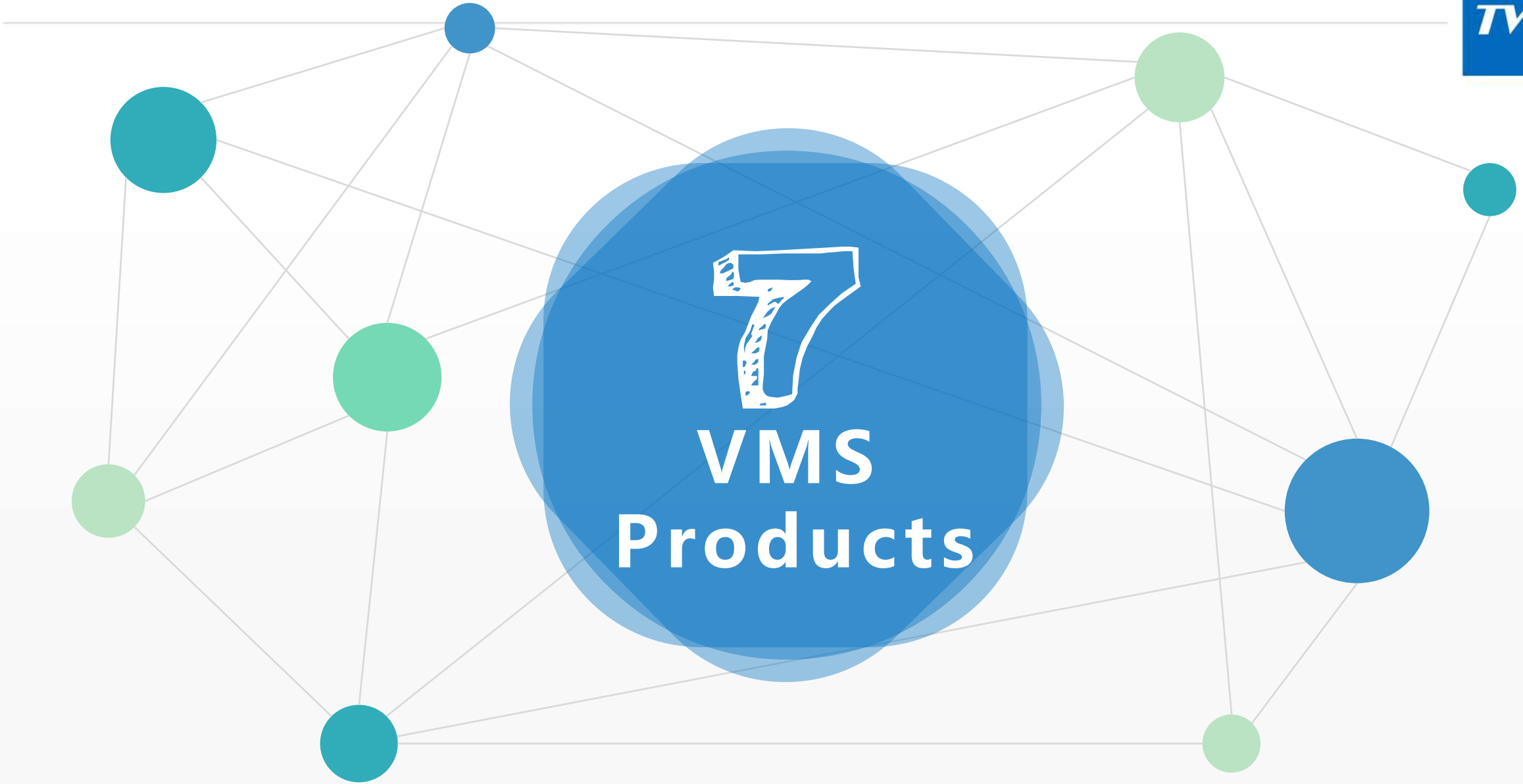
 Starlight, minimum 0.008 lux@F2.0

 Support deep learning algorithm, ntrusion detection, perimeter, tracking etc

 -30°C ~ 55°C wide temperature work condition

 Support VR reality linkage

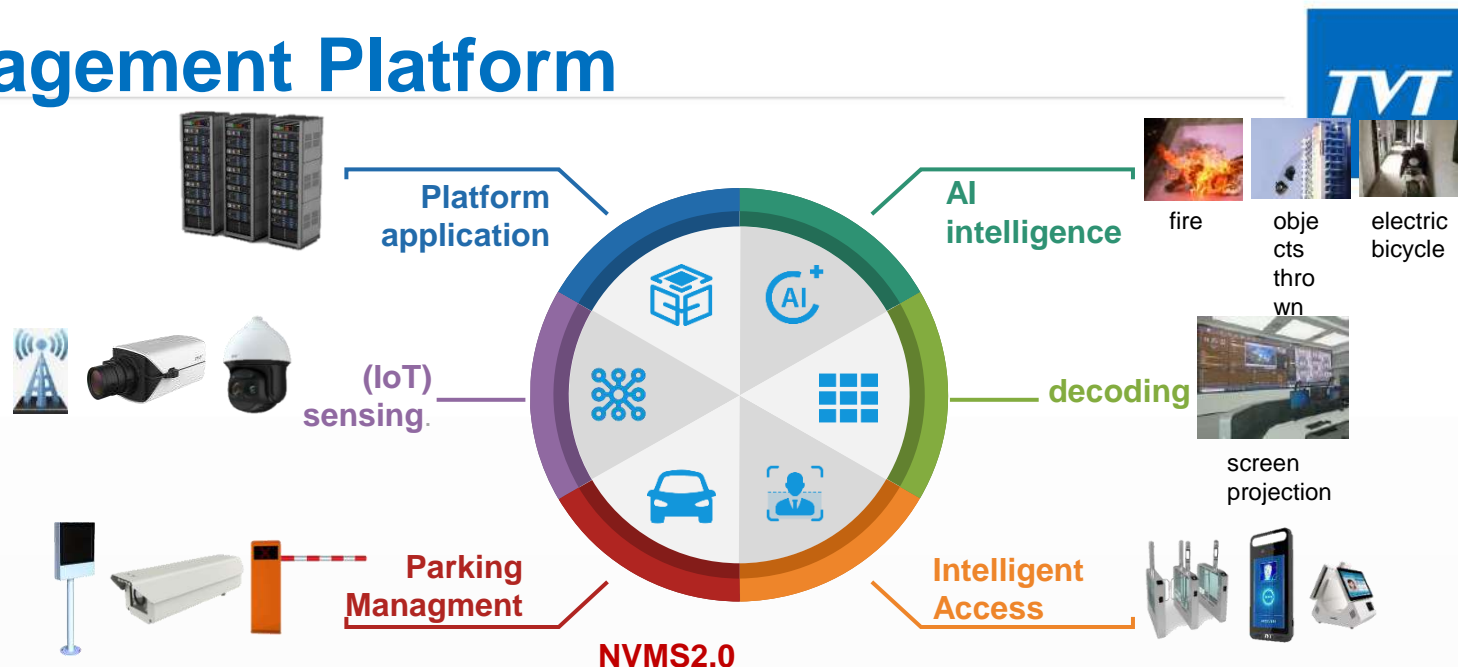
 IP67 & IK10, 6 K V lightning protection, etc



NVMS2.0 Integrated Management Platform

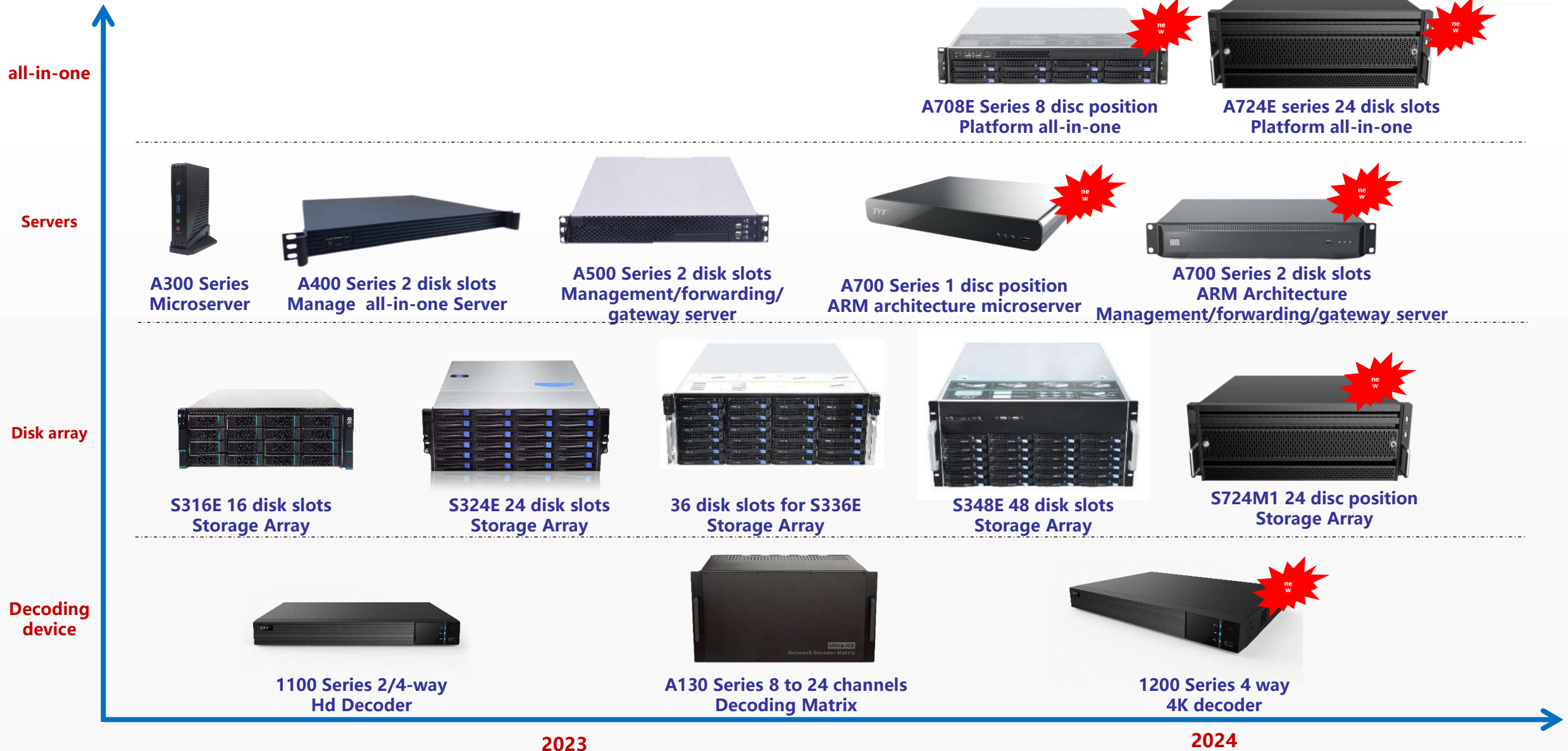
NVMS 2.0

TVT NVMS is a new generation of integrated security management platform, which is oriented to the customer's demand for multi-system integrated management and multi-service integration, and has powerful video surveillance management capability. It has multi-scenario intelligent applications such as real-time preview, playback, query, storage, alarm linkage, decoding on the wall, PTZ control, vehicle management, intelligent access, etc., which meets the customer's demand for multi-system integrated management and multi-service integration and has wide applicability.



- 1 Extra-large capacity** The system supports 30000 channels management;
- 2 Open integration** Support ONVIF, GB/T28181 and other protocols, the system is open to be integrated and customized for secondary development.
- 3 Smooth expansion** Distributed architecture, loosely coupled system, convenient for multi-level monitoring network networking, smooth upgrade and expansion of the system;
- 4 Multiple clients** The system supports many different types such as PC, tablet, Android, iOS, etc. and can be operated across platforms;
- 5 Integrated management** Support alarm linkage, face, vehicle, access control, attendance check-in, electronic fence, access management, video intercom, visitor reservation and other scenarios, the upper and lower levels of different subsystems integrated access management.

The same as high-end industry platform product overview



Lightweight Management Server A300



TVT A300 Series



Resource Management

Maximum support for 256 channels or 64 devices to access, support for resource configuration, user rights, PTZ control, etc., support for IPC, NVR, access control panel, AI BOX and other device management



4K decoding

Decoding capability up to 24*1080P, support up to 4K Extreme HD quality display



AI characterization

It supports a variety of intelligent scenarios such as face attendance, face welcome, headcount, electronic map, parking management, temperature screening, industrial temperature measurement, decoding on the wall, face arming, map searching, track playback, blacklisting and stranger alerts.

“All in One” Management

A300 series server, factory pre-installed NVMS2.0 Standard software, supports rich platform management capabilities, can meet the small and medium-sized security integrated application.

Lightweight management ARM architecture microserver A70

TVT



Also A700 series

Based on the "All In One" design concept, it integrates management, video preview, distribution and storage, alarm linkage, flexible decoding and AI capabilities, and has the characteristics of simple deployment, flexible upgrade, elastic expansion, stability and reliability



Hardware configuration upgrade

- ✓ Dual gigabit network port, dual HDMI output
- ✓ New 64GB eMMC and 8GB mass memory, new support for 1 hard disk storage
- ✓ Support for local face/license plate database
- ✓ Added USB console debugging interface



Device performance upgrades

- ✓ New ARM embedded architecture design
- ✓ Support 16MP access, 4K image quality display, up to 3840×2160@60fps
- ✓ Higher bandwidth performance, access/forwarding/storage: 512/128/256 Mbps



Upgrade of intelligent features

- ✓ Support 256-channel access or 64 device management
- ✓ NVMS2.0 software pre-installed, supports intelligent scene management
- ✓ More flexible API or SDK docking integration

High-end industry products (server)



✓ TD-A300-MTC-E

A300 (256 channels)
"ALL IN ONE" lightweight integrated management



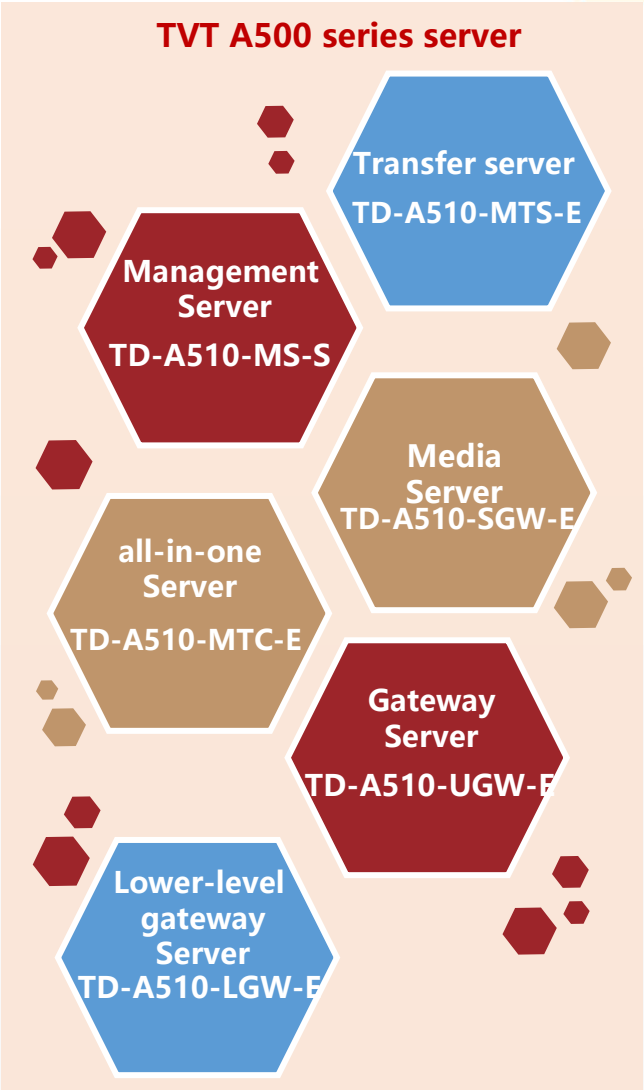
✓ TD-A400-MTC-E

A400 (1024 channels)
"ALL IN ONE", for medium and large industry projects, to achieve integrated comprehensive application management.



✓ TD-A500 series

A500 (expandable to 10,000 channels)
For large-scale industry project scenarios, distributed deployment, loose coupling, super large capacity, flexible application.



Embedded platform server A700 series



1 disk slot TD-A700E1-A0
Lightweight management storage
all-in-one



2-disk slots TD-A702E2-A0
Lightweight management storage
all-in-one



8 disk slots TD-A708E1-A0
Platform
all-in-one



8-disc slots TD-A708M1-A0
Platform
all-in-one



High performance ARM processor,
embedded linux system



8GB DDR4 RAM, 64GB EMMC



12 x 1080P decoding capability



Maximum 4K@60fp display



bandwidth: 512/256Mbps



SATA3.0*1, single disk 10T



Gigabit network card *2, HDMI*2,
local audio output *1, USB
console*1



Face: 10,000 face library, License plate:
10,000 license plate library



software pre-installed before
shipment



High performance ARM processor,
embedded linux system



8GB DDR4 RAM, 64GB EMMC



25*1080P decoding capability



Maximum 4K@60fp display



bandwidth: 512/256Mbps



SATA3.0*2, single disk 10T



Gigabit network card *2, HDMI*2,
local audio output *1, 4 in 4 out
alarm interface, USB console*1



Face: 20,000 face library,
License plate: 10,000 licenses



software pre-installed before
delivery



High performance ARM processor,
embedded linux system



8GB DDR4 RAM, 64GB EMMC



25*1080P decoding capability



Maximum 4K@60fp display,



bandwidth: 640/256Mbps



SATA3.0*8, E-SATA*2,



Gigabit network card *2, HDMI*4,
local audio output *1, 16 in 4 out
alarm interface, RS485*1



Face: 30,000 face library, License plate:
10,000 license plate library



software pre-installed before
delivery



High performance ARM processor,
embedded linux system



8GB DDR4 RAM, 64GB EMMC



25*1080P decoding capability



Up to 4K@60fp display



bandwidth: 768/256Mbps



SATA3.0*8, E-SATA*2



Gigabit network card *2, HDMI*4, local
audio output *1, 16 in 8 out alarm
interface, RS485*1, RS232*1,
redundant dual power supply



Face: 30,000 face library, License plate:
10,000 license plate library



software pre-installed before
delivery













**TD-1204D
(4-way)**







**TD-A130 (8/10/12/16/20/24
channel)**





Decode display

-  High performance ARM processor, embedded linux system
-  8GB DDR4 RAM, 16GB EMMC
-  32*1080P decoding capability
-  Support 1 way 8K/3 way 4K/4 way 1080P quality display, a variety of picture segmentation display mode
-  4 in 4 out alarm interface, 1 in 1 out audio interface, 1 in 1 out RCA interface

-  High performance X86 processor, embedded linux system
-  64*1080P decoding capability, can be extended to 192*1080P
-  The device supports up to 12 decoding board cards, each supporting 16*1080P decoding capability
-  The decoding matrix can be flexibly configured and supports up to 4K image display
-  A single decoding card supports audio 1 in 1 out, alarm interface 8 in 8 out, flexible expansion

Operations management

-  Support RTSP/RTP/SDK/ONVIF and other modes of stream fetching,
-  Support master/slave device cascade, up to 64 devices cascade
-  Gigabit network port *2, HDMI output *4, HDMI input *1, VGA*1 USB3.0*1, USB2.0*2, USB console*1
-  Support device search and discovery, network configuration, preview and decoding, remote operation and other management

-  Support RTSP/RTP/SDK/ONVIF and other modes of stream fetching
-  Support master and slave device cascades, up to 64 devices cascades
-  Single decoding card supports Gigabit network port *2, HDMI input *1, HDMI output *2, VGA*1, BNC*1, RS485*1, USB3.0*1
-  Support device search and discovery, network configuration, preview and decoding remote operation and other maintenance management

Storage Matrix



16 disc
slots

TD-S316E-L
TD-S316E-E



24 disc
slots

TD-S324E-L
TD-S324E-E



36 disc
slots

TD-S336E-S
TD-S336E-E



48 disc
slots

TD-S348E-S
TD-S348E-E



L Series: Intel i3 6100
E Series: Intel Xeon Processor E3



8GB RAM, expandable up to
64GB



Dual gigabit network card with load
balancing and Dr Switching



L Series: Full 160TB, hot swappable
Series E: Full 256TB,, hot swap



800/800/96Mbps



RAID level 0/1/5/6/10



L Series: 600W single power supply
Series E: 550W 1+1 redundant
power supply



✓High performance
✓WEB management interface,



L Series: Intel i3-4170
E Series: Intel Xeon Processor E3



8GB RAM, expandable up to
64GB



Dual gigabit network card with load
balancing and Dr Switching



Full 384TB, hot swappable



800/800/96Mbps



RAID level 0/1/5/6/10



L Series: 600W single power supply
Series E: 800W 1+1 redundant
power supply



✓High performance
✓WEB management interface



S Series: Intel i3-6100
E Series: Intel Xeon Processor E3



8GB RAM, expandable up to
64GB



Dual gigabit network card with load
balancing and Dr Switching



Full 576TB,hot swappable



800/800/96Mbps



RAID level 0/1/5/6/10



1200W 1+1 redundant power
supply



✓High performance
✓WEB management interface



S Series: Intel i3-6100
E Series: Intel Xeon Processor E3



8GB RAM, expandable up to
64GB



Dual gigabit network card with load
balancing and Dr Switching



Full 768TB, hot swappable



800/800/96Mbps



RAID level 0/1/5/6/10



1200W 1+1 redundant power
supply



✓High performance
✓WEB management interface

Keyboard



LCD screen, support bilingual display



Support mechanical keys, four dimensional rocker, shuttle control and other different operations, accurate and flexible, fast positioning



Support decoder playback control, decoding on the wall, keyboard prompt tone



Support PTZ mode, platform mode, serial port mode and other multi-mode switching



Support seamless integration with the NVMS platform

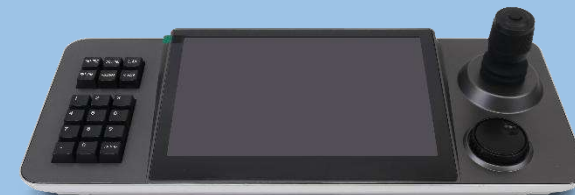


Support POE/DC12V power supply, power consumption \leq 5W



TD-K12

TD-K23



Android6.0 operating system, 10.1 inch (1280*800 resolution) capacitive touch screen support multiple languages.



4 D joystick, accurate and flexible, fast positioning



Decoding ability: 1 way 4K@30fps@H.265; 1 way 1080P@60fps @H.264; Route 4 720P@30fps @H.264



Support a maximum of 1024 devices to add



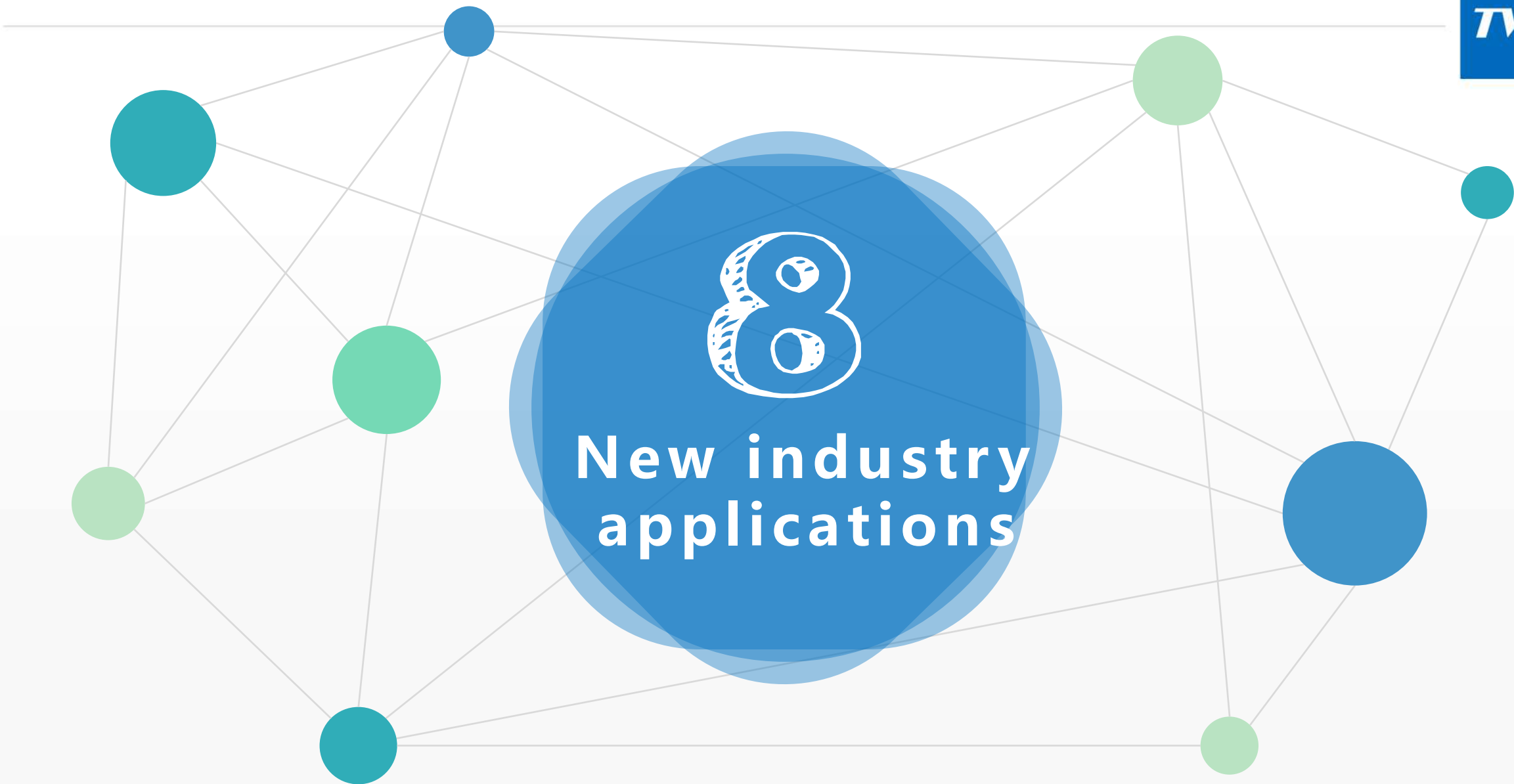
Support seamless integration with the same NVMS platform



Support RJ45*1, RS485*1, RS232*1, HDMI*1, USB2.0*1, 3.5mm audio



power consumption < 15W



Thermal Cameras



Thermal imaging principle: According to the radiation energy of the object, the thermal image of the target object is processed by the system, and displayed in gray level or false color. Commercial thermal imaging uses thermal infrared with wavelength 8-14μm.



Bullet thermal series

✓Thermal imaging: 384×288



Turret thermal series

✓Visible light: 5MP;
✓Thermal imaging: 256× 192/384 ×
288/640 ×512



Dual spectrum high speed dome series

✓Visible light: 32X 4MP;
✓Thermal imaging: 384 x 288



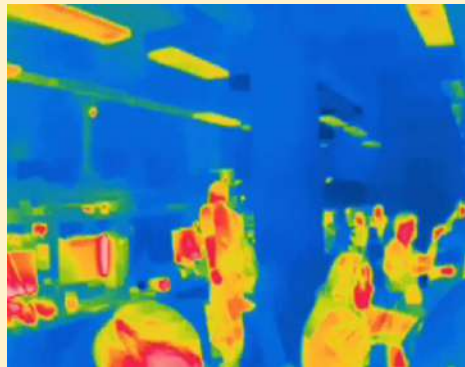
Dual spectrum Positioning PTZ

✓Visible light: 50X 4MP;
✓Thermal imaging: 640 x 320

TVT thermal products are standardized with iron red, rainbow, lava, white heat, black heat five display modes



Iron Red



Rainbow



Lava



White heat



Black heat

Thermal VS Optical Camera



Not affect by obstacles

Thermal Image



Not affected by obstacles

Temperature information



Temperature display

Long-distance



Long monitoring distance

Optical Image



Can't show target



No temperature information



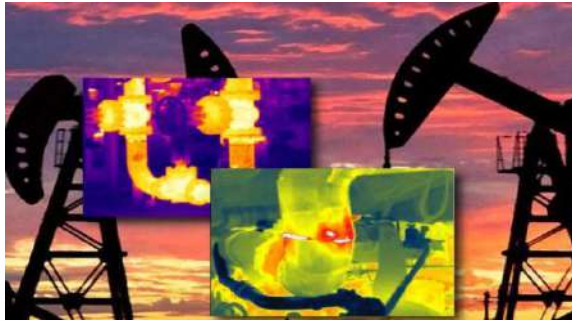
Limited monitoring distance

Thermal Image Surveillance Advantages

- ✓ **Not affected by light:** No need for any lighting conditions, relying on the object's own radiation of infrared thermal energy can be clear imaging, breaking through the human visual barriers, all-weather use, no light pollution, good concealment, strong target identification capabilities.
- ✓ **Better anti-interference capability:** With stronger penetration, not afraid of smoke, dust and other environmental factors, as well as rain, snow, fog, haze and other inclement weather, thermal imaging monitoring in complex conditions imaging effect is almost unaffected.
- ✓ **Temperature field can be observed:** It can accurately display the temperature distribution and change of the object, and the temperature change is sensitive, which can be applied to human body temperature measurement, industrial temperature measurement, environmental monitoring and other scenes.
- ✓ **Longer monitoring distance:** General infrared lamp products are only about a hundred meters effective monitoring distance, while the telephoto thermal imager can observe more than a few thousand meters of people or vehicles, to achieve ultra-vision monitoring.

Scenarios of Thermal Camera

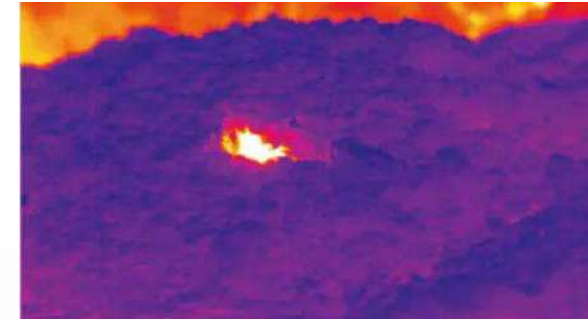
TVT



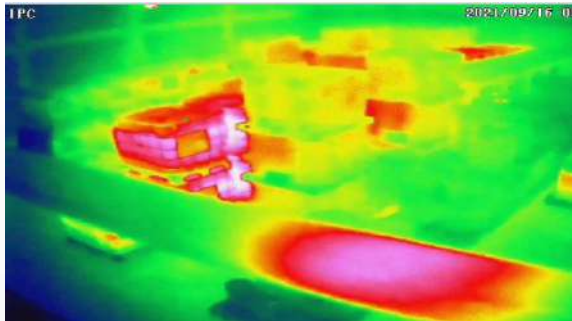
Oil production



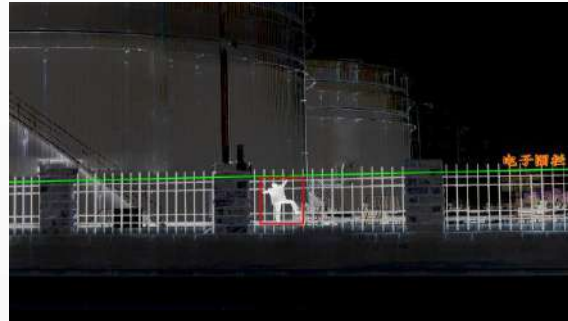
Smoke and fire



Forest fire prevention



Factory fire protection



Perimeter defense



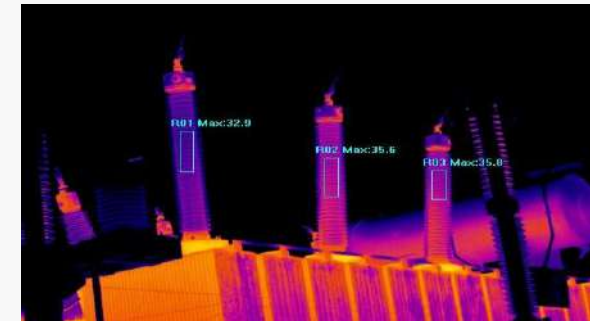
Chemical production



Desert (harsh environment)



Harbor



Power utilities

Smart access control products



3.5 "binocular face access control
(3000 Face Library)



7 "binocular face access control
(10,000 Face Library)



8 "binocular face access control
(40000 Face Library)



4.3 "/7" video intercom
(indoor unit)
(10,000 face library)



Multi-button video intercom
(Outdoor unit)



Smart visual doorbell
(Wired /WIFI/
swipe card)



Indoor doorbell

Access Control Products



Face-specific camera, dramatically reducing the impact of backlighting on the face



Support remote video preview, video intercom, remote control



Based on deep learning algorithms, 99.7% accuracy in ID recognition

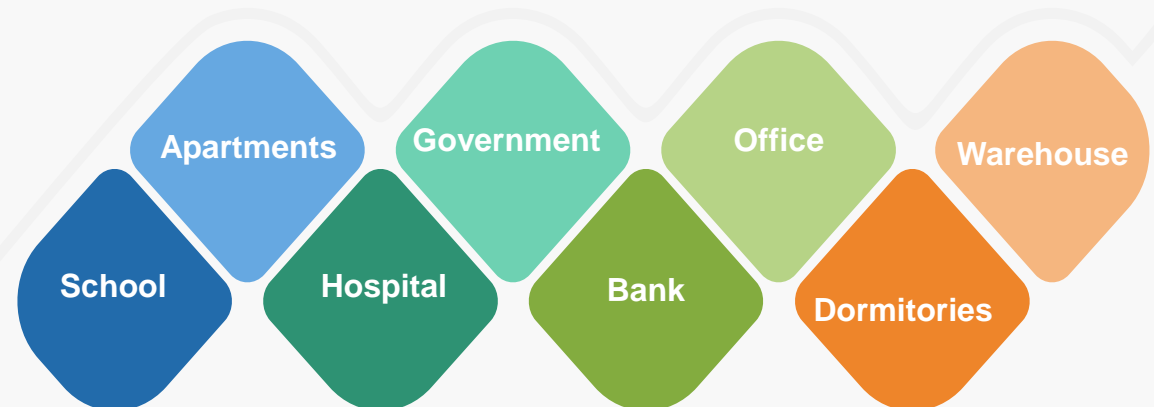


Support tamper alarm, support Wi-Fi, support disconnected operation



Support face detection, capture, comparison, abnormal alarm, support photo, video anti-fake, support live body detection, eliminate non-real face deception

Access Control are widely used in various scenarios



TVT smart access control series products(New)



TVT smart access control series

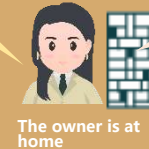
Cloud APP message push



Video intercom outdoor unit



Doorbell call



Video intercom indoor unit

- ☒ Visitor ring alert
- ☒ Remote door opening
- ☒ Real-time video intercom
- ☒ Remote mobile Internet

Scenarios:

- ✓ **Master's home:** Face recognition/password/access card/key and other multi-mode door opening.
- ✓ **Visitor arrival:** Call by room number, visual intercom, intelligent capture.
- ✓ **No one home:** Initiating visual intercom request to mobile APP via cloud platform.



SECURE THE WORLD WITH YOU !
Thank you

