Improved Target Identification

Persons and vehicles are accurately distinguished and classified.
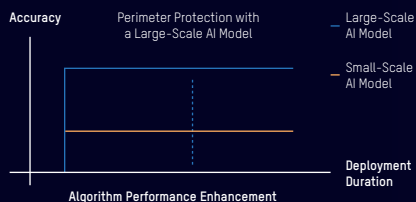

Classified Object Detection

Upgraded

Thermal cameras equipped with VCA3.0 excel in classified object detection, precisely distinguishing between persons and vehicles. Powered by Hikvision's advanced Guanlan Large-Scale AI models, these cameras use intelligent confidence scoring to ensure reliable object identification regardless of lighting conditions.

Grouping Detection

Even in crowded scenarios, thermal cameras with Guanlan accurately identify and classify each individual separately with remarkable precision.

Optimal Performance Upon Deployment

Experience maximum alarm accuracy from day one. With self-learning calibration, algorithms deliver optimal results by default—immediately after installation.

Typical Application Scenarios

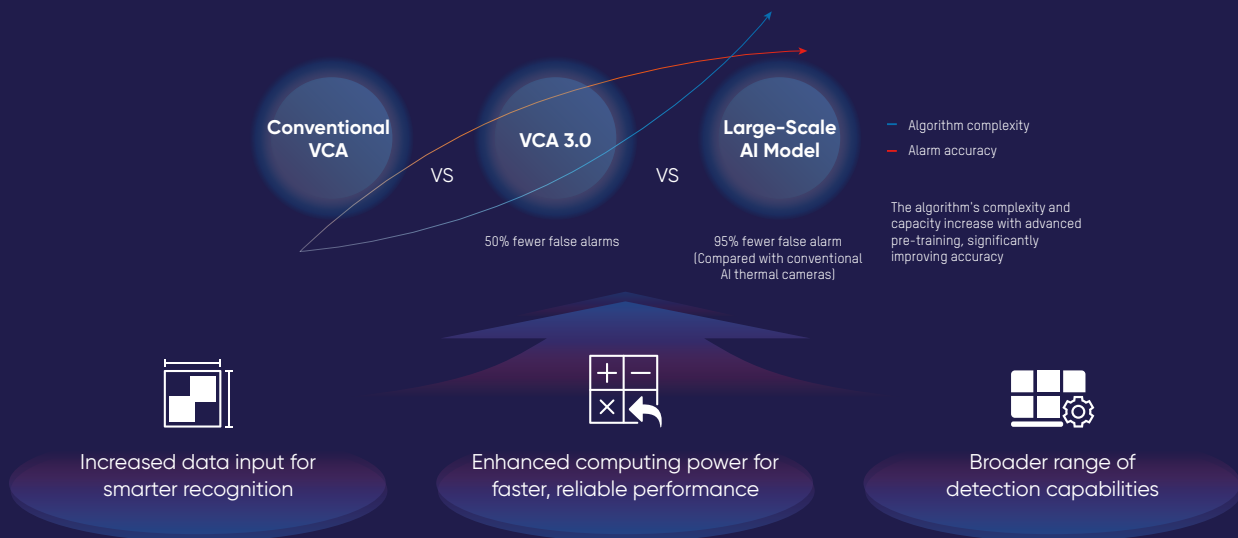Villas

Solar Farm

Office Parks

Parking Lots

Industry Park

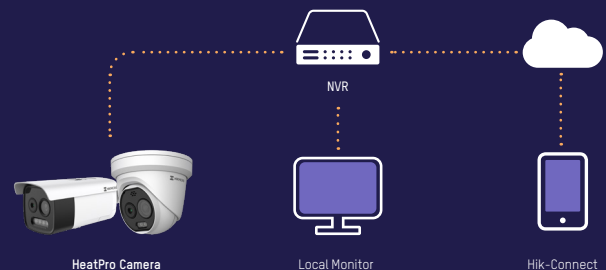# Why Large-Scale AI Models Lead the Market

More pre-training, higher accuracy

Conventional VCA

VS

VCA 3.0

VS

Large-Scale AI Model

— Algorithm complexity
— Alarm accuracy

The algorithm's complexity and capacity increase with advanced pre-training, significantly improving accuracy

50% fewer false alarms

95% fewer false alarm (Compared with conventional AI thermal cameras)

Increased data input for smarter recognition

Enhanced computing power for faster, reliable performance

Broader range of detection capabilities

Demand-based Product Applications

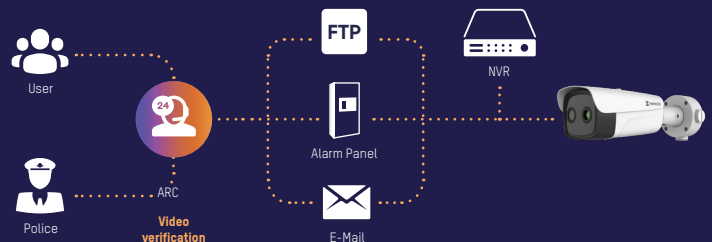Integrate with a range of Hikvision products to meet varied needs.

Essential Security

Deploying HeatPro cameras is made simple with Hikvision's NVR and Hik-Connect software. This setup ensures highly-efficient security protection, including alarm notifications on Hik-Connect for video verification.

NVR

HeatPro Camera
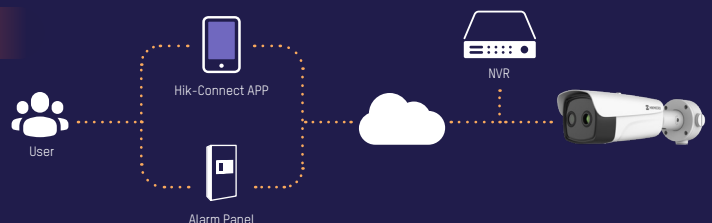
Local Monitor

Hik-Connect

Enhanced Protection with ARC Integration

Integrate thermal cameras with Alarm Receiving Centers (ARC) for improved security coverage. Users receive alarm notifications from alarm panels and verify these alerts through video feeds. Different notification options are available based on user subscriptions.

User

Police

ARC
Video verification

FTP

Alarm Panel

E-Mail

NVR

Flexible Security Solutions

Users have the flexibility to combine alarm systems with thermal cameras, receiving alarm notifications via alarm apps and Hik-Connect software for double confirmation.

User

Hik-Connect APP

Alarm Panel

NVR

System Stability

Ensure the stability of the alarm receiving link

- **Scheduled Restarts:** Automatic camera reboots maintain peak performance

Scheduled Restart

Enable
Restarting Time   Sun
03:00:00
Save

- **Relay Trigger Scheduling:** Ensures continuous ARC communication

Enable
Trigger Date
Sun
* Trigger Time
00:00:00
* Auto Trigger Delay
5   sec
Save   Cancel   Copy to...

System Integration

Expand your security network with third-party compatibility.

- **Network I/O Modules:** Compatible with FM2466, Arteco, Moxa, and Adam

Protocol Type
Adam
Adam
Arteco
FM2466
MOXA
Transfer Protocol
TCP
OK   Cancel

- **HTTP Command Support:** Easy integration with existing alarm panels and IoT devices

Enable
HTTP Order   H1
URL
User Name
Password   ••••••••
Enter the user name and password if required.
Password Confirm   ••••••••
Test
Save

VCA Performance

1.8 m ■ VCA Range   1.4m ■ VCA Range
0.5 m   4 m

Person or Vehicle VCA Detection Distance

HM-TD2628-10/T3A	FOV: 18° × 13.5°
120 m	
300 m	

HM-TD1228-7/T3A HM-TD2628-7/T3A	FOV: 24.9° × 18.7°
84 m	
210 m	

HM-TD1228-3/T3A HM-TD2628-3/T3A	FOV: 50° × 37.3°
36	
90 m	

HM-TD1228-2/G1/T3A	FOV: 90° × 65.4°
24 m	
60 m	

HM-TD2638-35/T3Y	FOV: 18°×13.5°
455 m	
1050 m	

HM-TD2638-25/T3Y	FOV: 24.9° × 18.7°
325 m	
750 m	

HM-TD2638-15/G1/T3Y	FOV: 10.5° × 7.9°
195 m	
450 m	

HM-TD2638-10/G1/T3Y	FOV: 7.5° × 5.6°
130 m	
300 m	