DeepinViewX Cameras
with Guanlan

Intelligence beyond vision

HIKVISION® | Guanlan

Video Analytics Challenges

Even advanced security cameras may struggle with false or missed alarms.

- Small objects at long distances go unnoticed
- Darkness, rain, snow, and fog affect alarm accuracy
- Animals, car lights, and swaying leaves trigger false alarms
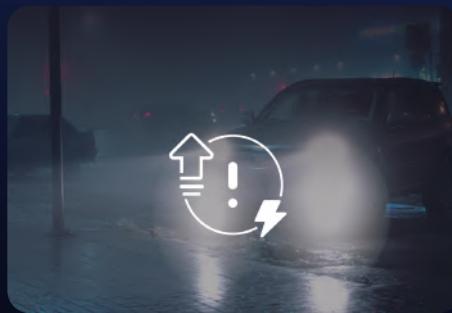
Evolution of Video Content Analysis (VCA)

Hikvision has continuously researched and developed technologies to address these challenges. Yet it was only after implementing Hikvision's **Guanlan Large-Scale AI Models** that we achieved the breakthrough needed for optimal algorithm performance.

Alarm Accuracy

Traditional VCA
Object detection without classification

AcuSense Technology
AcuSense VCA with Deep Learning
Detection and classification of persons and vehicles

Guanlan
Guanlan Large-Scale AI Models
High-precision person & vehicle detection and object & event analysis

2006   2016   2024
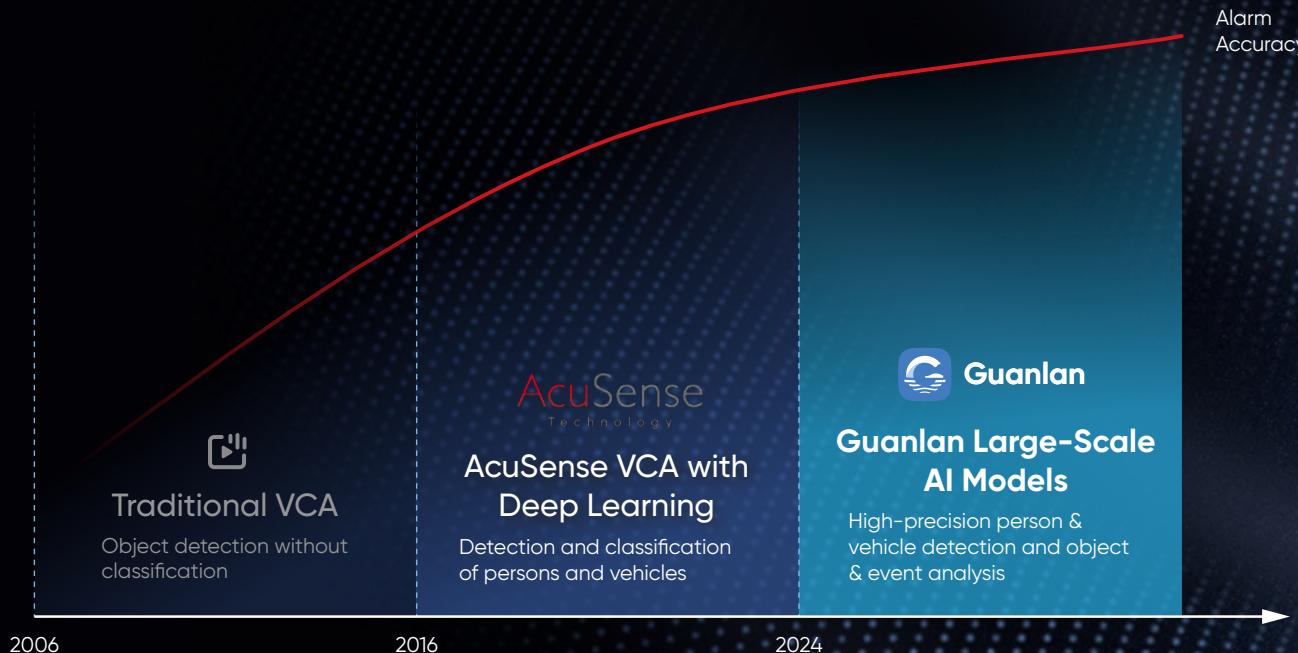
More Accurate Person and Vehicle Detection

In perimeter protection scenarios, large AI model algorithms in DeepinViewX cameras detect persons and vehicles with consistent accuracy when lighting conditions or environmental dynamics change.

The performance improvements deliver tangible benefits for every installation:

Doubled VCA Range

Up to **120 m**

Fewer False Alarms

90% * reduction

Fewer Repeated Alarms

50% * reduction

*Compared to conventional AI cameras in lab testing

Long-Range Night Vision

IR — 120 m IR

**Sharp Motion** — SharpMotion AI-ISP

Long-Range Deterrence

Built-in Speaker, 60 m, 60 dB (Night)

Live Guard with Red & Blue Lights

Innovative Triple-Lens Detection

Moreover, Hikvision has developed a triple-lens DeepinViewX camera specifically designed for long-perimeter protection. Its three lenses with different focal lengths provide relayed coverage 4 times that of a 4 mm camera, maximizing protection while minimizing system complexity.

4 m
Min. distance

approx. 30 m
82.5° FoV (H)

approx. 60 m
25.4° FoV (H)

approx. 120 m
13.0° FoV (H)
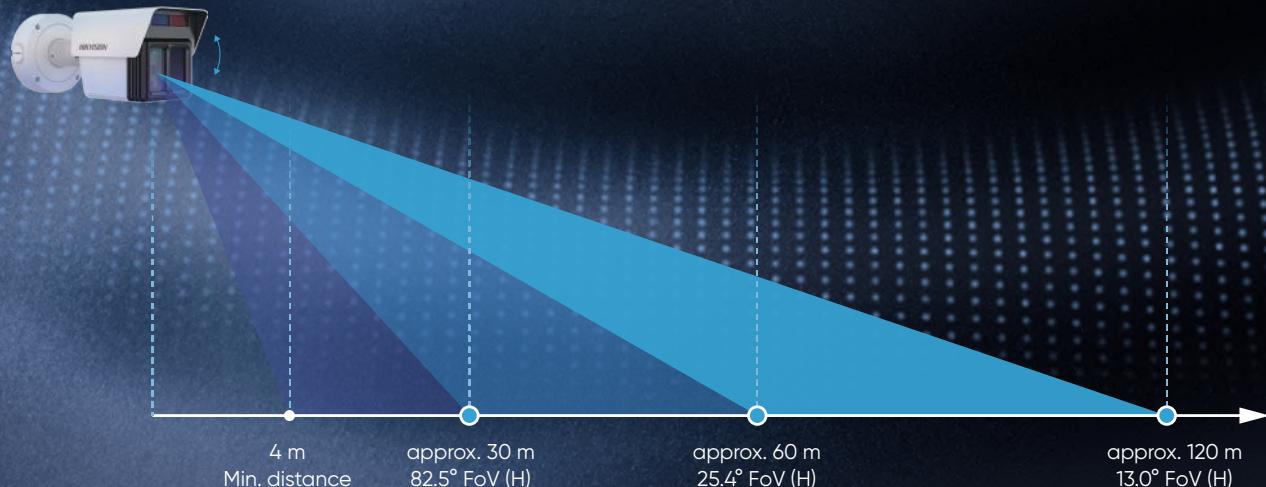
More Accurate Object and Event Analysis

DeepinViewX cameras are highly effective in analyzing objects and events. Their large AI model algorithms provide accurate detection of objects such as hard hats and forklifts, as well as events like smoking in high-risk areas. They can also identify vehicle features including color, type, direction, and manufacturer.

**Hard Hat & Reflective Vest Detection**

Trolley Detection

Garbage Detection

Forklift Detection

Fire Exit Blockage Detection

Smoking Detection

Vehicle Feature Analysis

Color: Red
Type: Sedan
Direction: Forward
Manufacturer: xxx
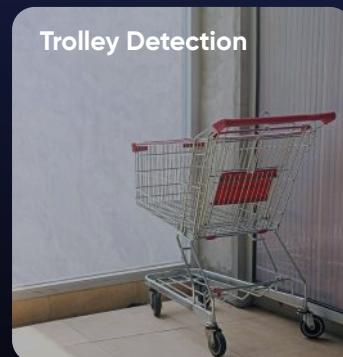
Product Showcase

DeepinViewX Network Cameras

DeepinView X
DarkFighter 2.0

iDS-2CD7T46G2/VX3-I(H)S(Y)

- Up to 120 m VCA (Night), 120 m IR
- 4 mm + 12 mm + 25 mm lens, support Picture-in-Picture
- 4 MP@30 fps (CH1) + 2 MP@30 fps × 2, SharpMotion
- 90%* reduction in false alarms
- 60 m, 60 dB long range speaker
- Live Guard with red and blue lights
- TPM 2.0, IP67/IK10, PVC FREE, -Y: NEMA 4X

DeepinView X
DarkFighter 2.0

IDS-2CD7Ax6G2/V-XZHS(Y)

- Up to 80 m VCA (Night), 100 m smart hybrid light
- 2.8-12 mm motor lens, P-Iris
- 4/8 MP@30 fps, SharpMotion
- 90%* reduction in false alarms
- Two-way audio, G-Sensor, TPM 2.0
- IP67/IK10, EN50121-4, PVC FREE, -Y: NEMA 4X

DeepinView X
DarkFighter 2.0

iDS-2CD5Ax6G2/V-XZ(H)S(Y)

- Up to 80 m VCA (Night), 80 m smart hybrid light
- 2.8-12 mm motor lens, P-Iris
- 4/8 MP@30 fps, SharpMotion
- 90%* reduction in false alarms
- IP67/IK10, -Y: NEMA 4X

DeepinView X
DarkFighter 2.0

iDS-2CD5Tx7G2/V-X(H)S(Y)

- Up to 60 m VCA (Night), 80 m smart hybrid light
- 2.8/4 mm, F1.0 lens
- 4/8 MP@30 fps, SharpMotion
- 90%* reduction in false alarms
- Two-way audio
- IP67/IK10, -Y: NEMA 4X

DeepinView X
DarkFighter 2.0

iDS-2CD53x7G2/V-X(H)S(Y)

- Up to 40 m VCA (Night), 40 m smart hybrid light
- 2.8/4 mm, F1.0 lens
- 4/8 MP@30 fps, SharpMotion
- 90%* reduction in false alarms
- Two-way audio
- IP67, PVC FREE

DeepinView X
DarkFighter 2.0

iDS-2CD5Dx7G2/V-X(H)S(Y)

- Up to 40 m VCA (Night), 40 m smart hybrid light
- 2.8/4 mm, F1.0 lens
- 4/8 MP@30 fps, SharpMotion
- 90%* reduction in false alarms
- Two-way audio
- IP67/IK10, PVC FREE

* Above camera models are mainly used for perimeter protection.

DeepinView X
DarkFighter 2.0

iDS-2CD7Ax6G2/LM-IZHS(Y)

- Switchable multi-Intelligence with Guanlan: ANPR/AIOP/ Perimeter Protection/Multi-target-type Detection
- 2.8-12/8-32 mm motor lens, P-Iris
- 4/8 MP@30 fps, SharpMotion
- 90%* reduction in false alarms, 90%* less sample request
- Two-way audio, G-sensor, TPM 2.0
- IP67/IK10, -Y: NEMA 4X

DeepinView X
DarkFighter 2.0

iDS-2CD71x6G2/LM-IZHS(Y)

- Switchable multi-Intelligence with Guanlan: ANPR/AIOP/ Perimeter Protection/Multi-target-type Detection
- 2.8-12/8-32 mm motor lens, P-Iris
- 4/8 MP@30 fps, SharpMotion
- 90%* reduction in false alarms, 90%* less sample request
- Two-way audio, G-sensor, TPM 2.0
- IP67/IK10, -Y: NEMA 4X

DeepinViewX PTZ Cameras

DeepinView X
DarkFighter 2.0

DS-2DF7C442IXG2/LM-EL(W)(Y)

- 4 MP@50/60 fps, 1/1.8'' sensor, 42x optical zoom
- 400 m IR, SharpMotion, AWDR, GIS
- Pan: 360°, tilt: -20° to 90°, smart pan-tilt correction
- Smart events with Large Scale AI models
- Face Recognition, ANPR, Multi-target-type Detection
- Auto tracking 3.0
- 90%* reduction in false alarms
- IP67, IK10, -W: auto wiper, -Y: NEMA 4x anti-corrosion

DeepinView X
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DS-2SF7C442MXG2/LM-EL(W)(Y)/26

- Panoramic: 180° 6 MP@25/30 fps, 1/1.8'' sensor
- PTZ: 4 MP@50/60 fps, 1/1.8'' sensor, 42x optical zoom
- Panoramic: tilt: 12° to 24°; PTZ: Pan: 360°, tilt: -20° to 90°
- 30 m white light, 400 m IR, DarkFighter 2.0, GIS, Rapid Focus 2.0
- Smart events with Large Scale AI models
- Face Recognition, ANPR, Multi-target-type Detection
- Smart linkage, Auto Tracking 3.0
- 90%* reduction in false alarms
- IP67, IK10, -W: wiper, -Y: NEMA 4x

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