

Galaxy[®]

VEHICLE

HUMAN

SMD

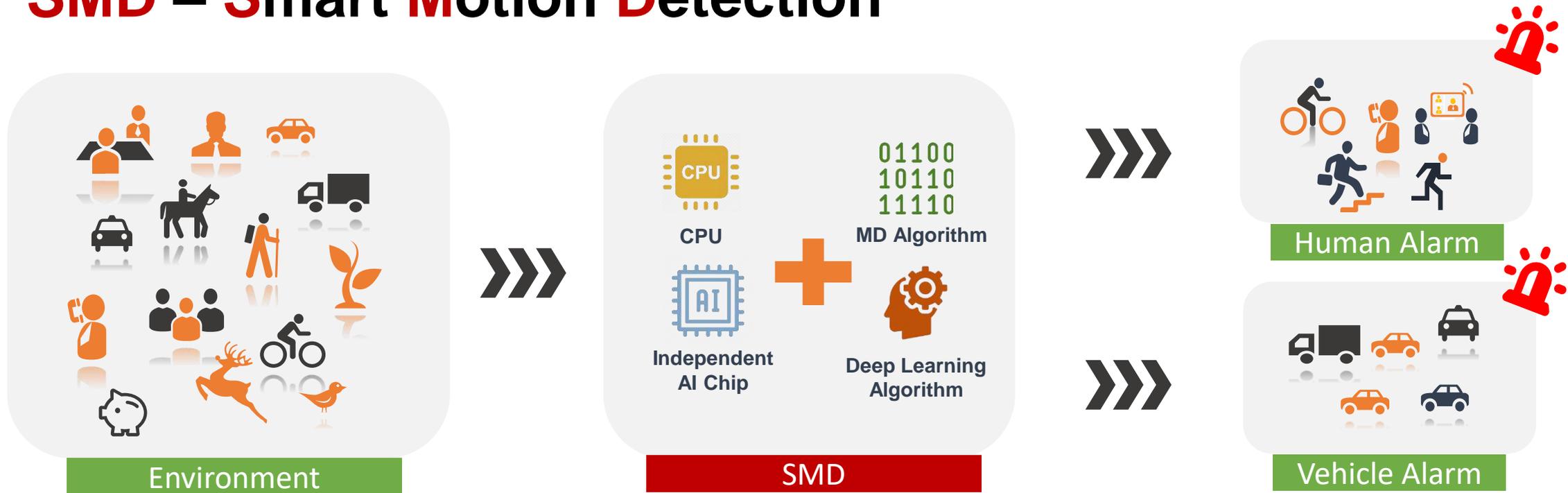
Smart Motion Detection

Less False, More Safer

Feb 2020 Galaxy Training

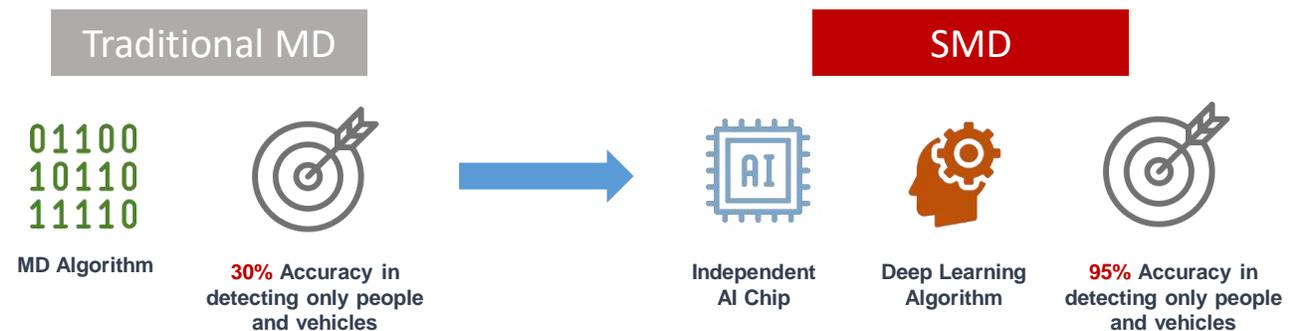
www.galaxysecurityinc.com

SMD – Smart Motion Detection



SMD, referred as Smart Motion Detection.

A version upgrade of MD that greatly improves alarm accuracy through a deep-learning algorithm, reducing false alarms. It analyzes people and vehicles based on motion detection and sends an alarm only when a person or vehicle is detected in the scene



Key Features

False Alarm Filter

After Capturing the target within the monitoring range, the camera filters out leaves, lights, pets and other distracting objects. Based on a Deep-Learning Algorithm, the camera classifies people/vehicles and pushes an alarm in real-time

Easy operation

SMD can be enabled in a one step process, and also supports people/vehicle classification

High Cost-Effective

Let world share happiness by AI

Quick Target Search

Easily extract and classify people and vehicles from a large database, trace historical information and analyze. With both People and Vehicle filtering available for playback to achieve quick target searches, reducing event retrieval time

Visualization

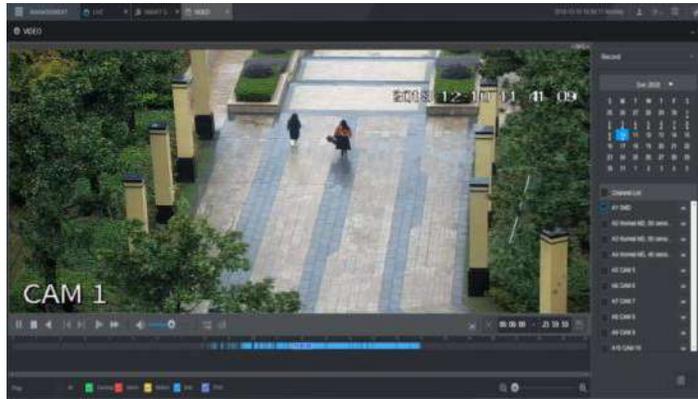
Newly added alarm target classification on NVR/DSS/DMSS shows clearly if there was a person or vehicle and triggers the SMD alarm.



Smart Motion Detection

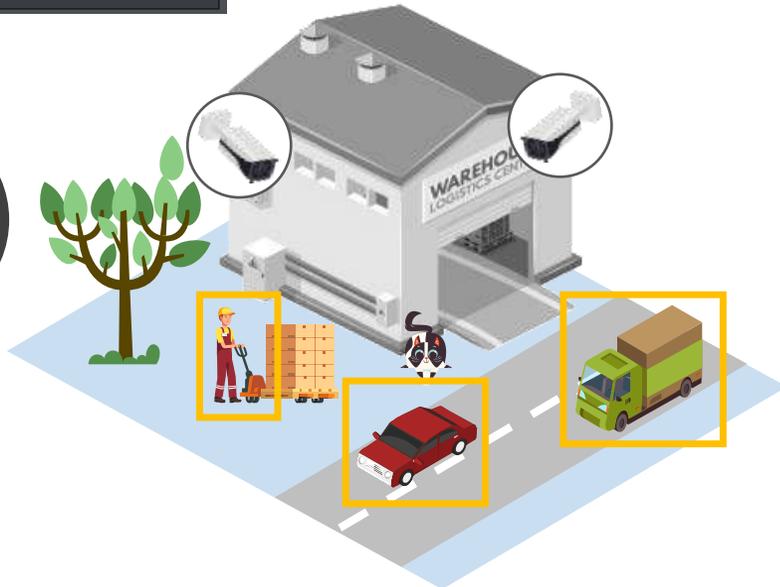
Quick Target Search & False Alarm Filter

Quick Target Search

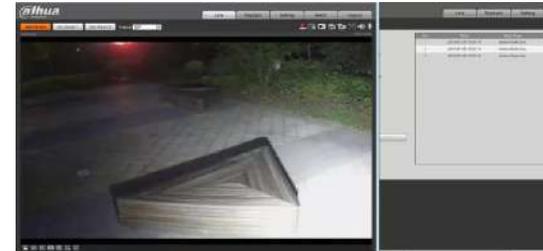


Quick Target Search:

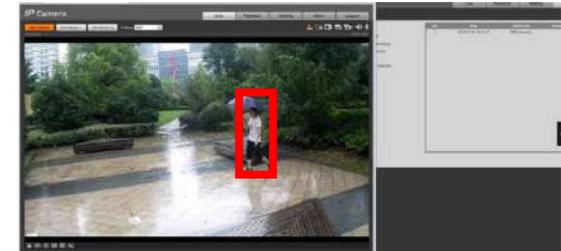
Extract and classify human and vehicles from massive video data, easy for end users to trace historical information and analyze. Human & Vehicle optional for playback to achieve quick target search, saving event retrieval time.



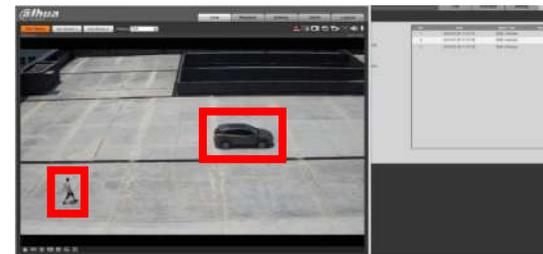
False Alarm Filter



Filter useless info (light)



Filter extreme weather and push alarm caused by human



Push alarm caused by human and vehicle



Filter useless info (pet)

False Alarm Filter:

After capturing the target within monitoring range, camera filter leaves, lights, pets and other disturbing objects. Based on Deep-Learning Algorithm, camera classify human/vehicles and push alarm in real-time



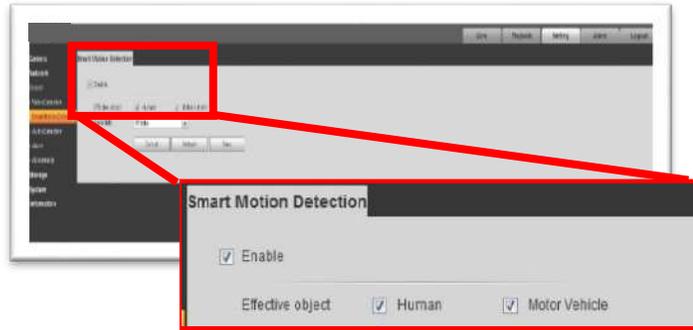
Easy Operation

Easy Operation

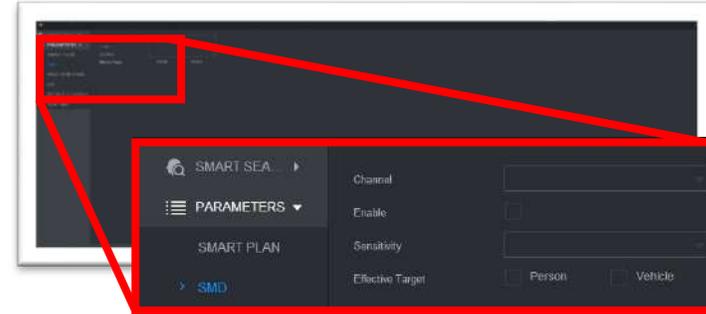


SMD can be started in only one step process, also support to classify Human/ Vehicle

1、 Web Operation Interface

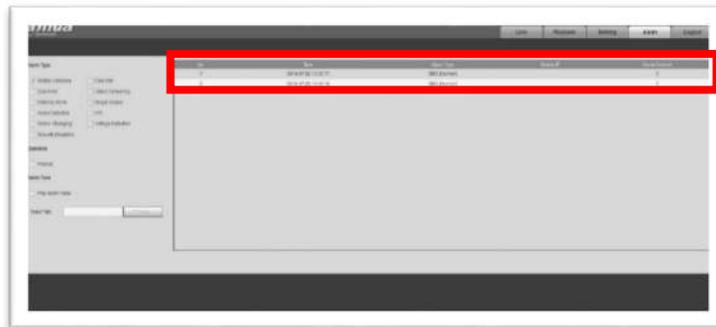


2. NVR Operation Interface



Real-time Alarm Push in WEB and DMSS.

1、 Web Operation Interface



2. DMSS Operation Interface

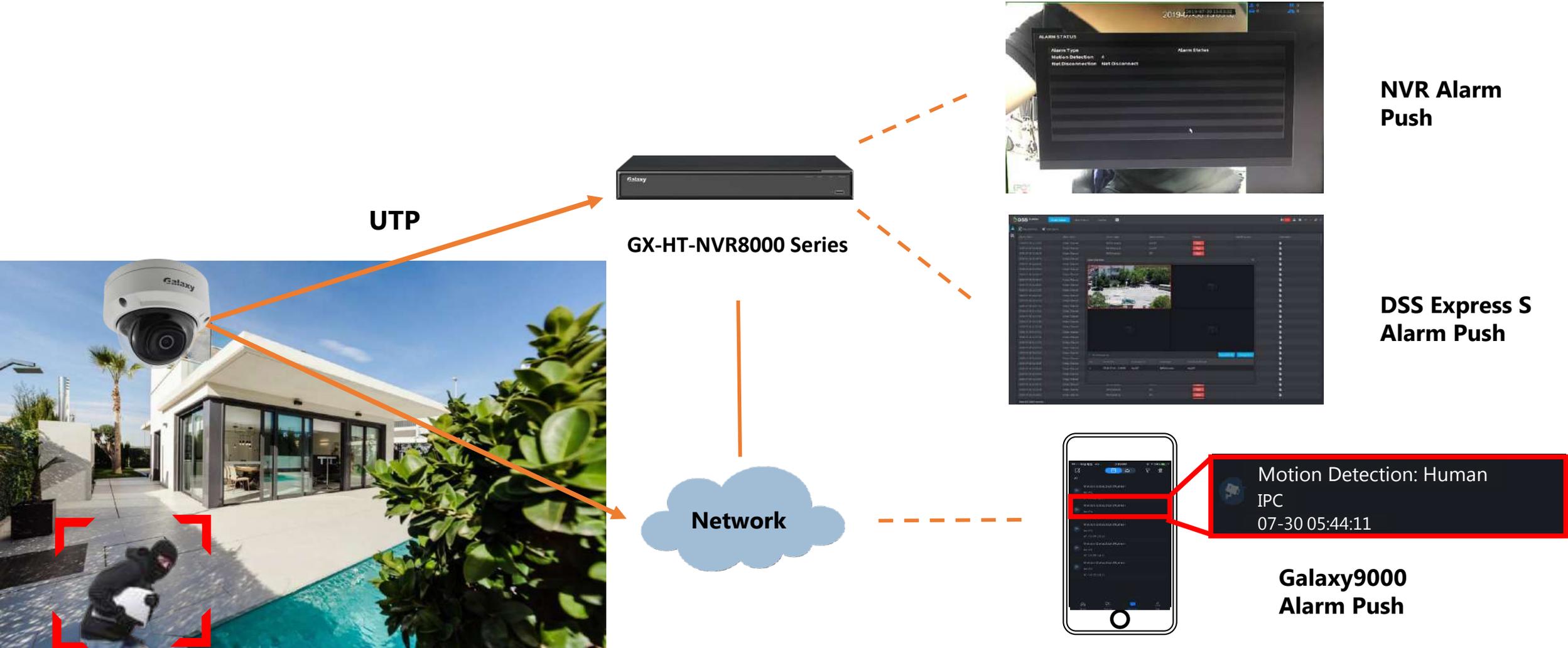


Motion Detection: Human
IPC
07-30 05:44:11



Visualization

Newly added alarm target classification on **NVR/DSS/Galaxy9000**, which shows it clearly that if there was **human or vehicle**, it will trigger the SMD alarm.



High Cost-Effective

High Cost-Effective

Smart Functions, Affordable Price.
Let the World Share Happiness By AI



Factory



Museum

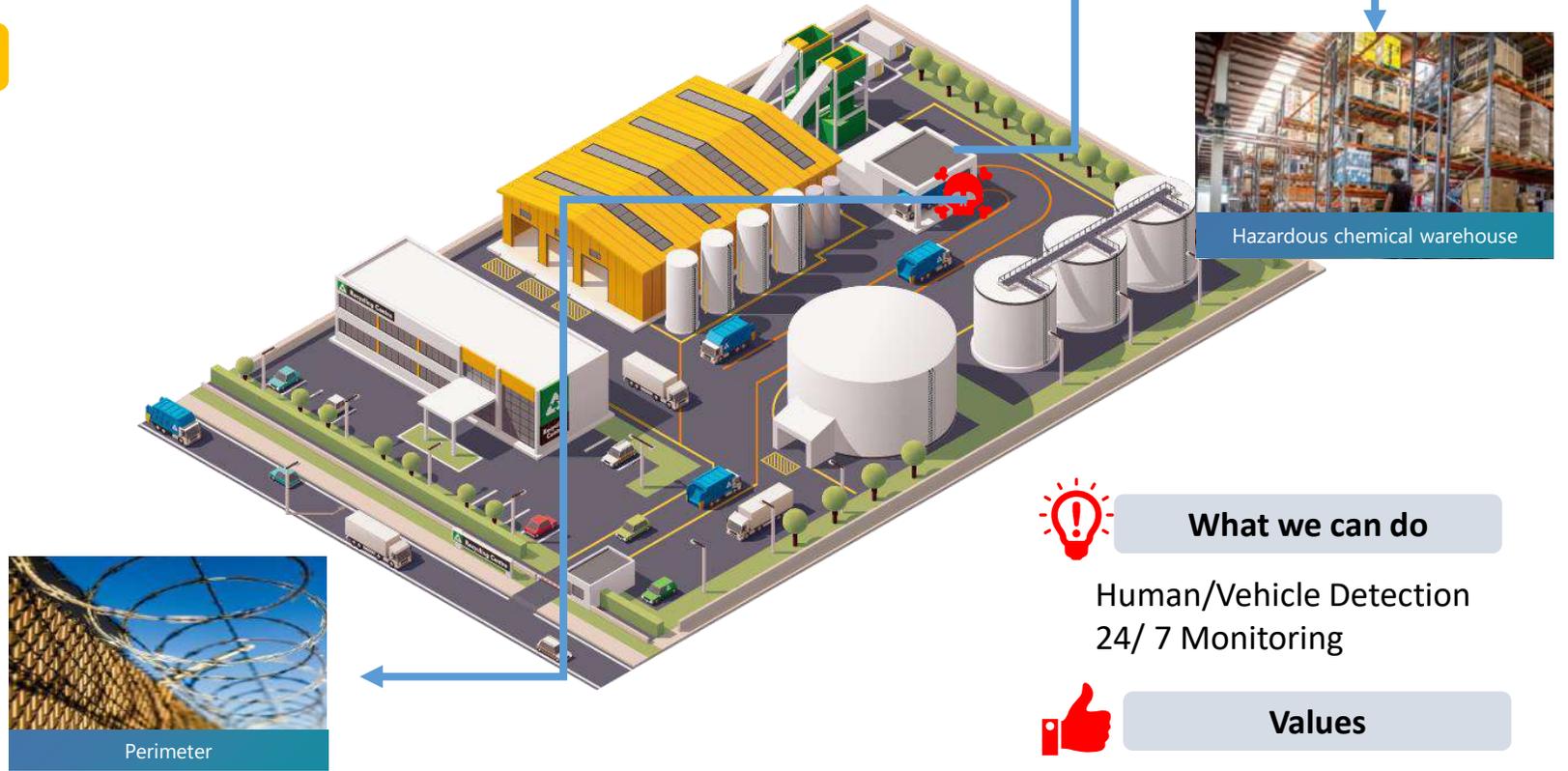


Villa



Airport

Factory



Perimeter



Hazardous chemical warehouse



What we can do

False Alarm Filter



Leaf move



Bright light



Animals



What we can do

Human/Vehicle Detection
24/ 7 Monitoring



Values

- ✓ Avoid entering to dangerous area
- ✓ Reduce the number of patrols



Values

- ✓ Early Warning
- ✓ Reduce the number of patrols

SMD Product List

Network IP Camera

- GX-HT724A-AI-28
- GX-HT724A-AI-36
- GX-HT724AB-AI-28
- GX-HT724-AI-LED-28CF
- GX-HT744A-AI-28
- GX-HT744A-AI-36
- GX-HT744AB-AI-28
- GX-HT744A-AI-36CF
- GX-HT7154A-AI-28
- GX-HT784A-AI-Z
- GX-HT844A-AI-Z

Network Recorder

- GX-HT-NVR8104-P4
- GX-HT-NVR8108-P8
- GX-HT-NVR8216-P16
- GX-HT-NVR8432-P16



RECOMMENDED COMBINATION

PTZ Camera

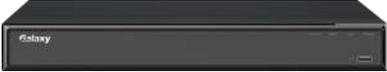
Coming Soon

AI DVR

- GX-HT-XVR8504K-AI
- GX-HT-XVR8508K-AI
- GX-HT-XVR8516K-AI
- GX-HT-XVR8504K-ST-AI
- GX-HT-XVR8508K-ST-AI
- GX-HT-XVR8516K-ST-AI

AI NVR

Coming Soon



SMD IP Solution

AI IP Cameras



AI, Starlight

GX-HT724A-AI-28

4MP Lite AI Starlight IR Fixed Turret
2688x1520, H.265+, WDR, 0.005 Lux
164ft IR, MicroSD Slot, Built-in Mic
SMD, Perimeter Protection
2.8mm Lens, DC12V/PoE, IP67

Junction Box: JB80X
Wall Mount: WM02D



AI, Starlight

GX-HT724A-AI-36

4MP Lite AI Starlight IR Fixed Turret
2688x1520, H.265+, WDR, 0.005 Lux
164ft IR, MicroSD Slot, Built-in Mic
SMD, Perimeter Protection
3.6mm Lens, DC12V/PoE, IP67

Junction Box: JB80X
Wall Mount: WM02D



AI, Starlight

GX-HT724AB-AI-28

4MP Lite AI Starlight IR Fixed Turret
2688x1520, H.265+, WDR, 0.005 Lux
164ft IR, MicroSD Slot, Built-in Mic
SMD, Perimeter Protection
2.8mm Lens, DC12V/PoE, IP67

Junction Box: JB80XB
Wall Mount: WM02DB



AI, Color247

GX-HT724-AI-LED-28CF

4MP AI Color247 IR Fixed Turret
2688x1520, H.265+, WDR, 0.002 Lux
66ft IR, MicroSD Slot, Perimeter
People Counting, Face Detection,
2.8mm Lens, DC12V/PoE, IP67, Mic

Junction Box: JB80X
Wall Mount: WM09D



AI, Starlight

GX-HT744A-AI-28

4MP Lite AI Starlight IR Fixed Dome
2688x1520, H.265+, WDR, 0.005 Lux
164ft IR, MicroSD Slot, Audio, Alarm
SMD, Perimeter Protection
2.8mm Lens, DC12V/PoE, IP67, IK10

Junction Box: JB82X
Wall Mount: WM02D



AI, Starlight

Motorized

GX-HT784A-AI-Z

4MP Lite AI Starlight IR Motorized Dome
2688x1520, H.265+, WDR, 0.005 Lux
131ft IR, MicroSD Slot, Audio, Alarm
SMD, Perimeter Protection
2.7~13.5mm Lens, DC12V/PoE, IP67, IK10

Junction Box: JB84X
Wall Mount: WM02D



AI, Starlight

GX-HT744A-AI-36

4MP Lite AI Starlight IR Fixed Dome
2688x1520, H.265+, WDR, 0.005 Lux
164ft IR, MicroSD Slot, Audio, Alarm
SMD, Perimeter Protection
3.6mm Lens, DC12V/PoE, IP67, IK10

Junction Box: JB82X
Wall Mount: WM02D



AI, Starlight

GX-HT744AB-AI-28

4MP Lite AI Starlight IR Fixed Dome
2688x1520, H.265+, WDR, 0.005 Lux
164ft IR, MicroSD Slot, Audio, Alarm
SMD, Perimeter Protection
2.8mm Lens, DC12V/PoE, IP67, IK10

Junction Box: JB82X
Wall Mount: WM02DB



AI, Color247

GX-HT744A-AI-36CF

4MP AI Color247 Fixed Dome
2688x1520, H.265, WDR, 0.001 Lux
MicroSD Slot, Audio, Alarm
Perimeter, People Counting, Face Detection
3.6mm Lens, DC12V/PoE, IP67, IK10

Junction Box: JB84X
Wall Mount: WM02D



AI, Starlight

GX-HT7154A-AI-28

4MP Lite AI Starlight IR Fixed Wedge Dome
2688x1520, H.265+, WDR, 0.005 Lux
164ft IR, MicroSD Slot, Built-in Mic
SMD, Perimeter Protection
2.8mm Lens, DC12V/PoE, IP67, IK10

Junction Box: JB83X
Wall Mount: WM09D



AI, Starlight

Motorized

GX-HT844A-AI-Z

4MP Lite AI Starlight IR Motorized Bullet
2688x1520, H.265+, WDR, 0.005 Lux
197ft IR, MicroSD Slot, Audio, Alarm
SMD, Perimeter Protection
2.7~13.5mm Lens, DC12V/PoE, IP67

Junction Box: JB80X

SMD PTZ

PTZ



Coming Soon

SMD Technology



Coming Soon

SMD Technology



Coming Soon

SMD Technology



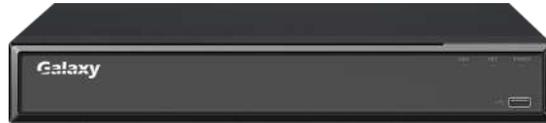
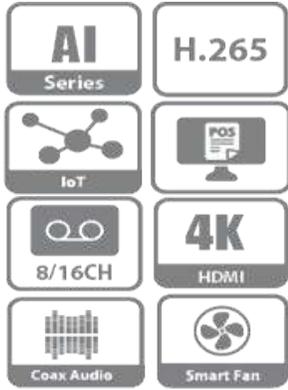
Coming Soon

SMD Technology

Sensor /Resolution	1/2.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 4MP CMOS	1/2.8" 4MP CMOS
Optical Zoom	45x	25x	25x	4x
IR Distance	Up to 250m	Up to 150m	Up to 100m	Up to 15m
Focal Length	3.95mm ~ 177.75mm	5.8mm ~ 145mm	4.8mm ~ 120mm	2.8mm ~ 12mm
IR LEDs	6	4	4	3
Vandal-Proof	IP67, IK10	IP67, IK10	IP66	IP66, IK08
Starlight	Yes	Yes	Yes	Yes
Artificial Intelligence	Perimeter Protection, Auto Tracking, Video Structuralization	Perimeter Protection, Auto Tracking, Video Structuralization	Perimeter Protection	Face Detection, People Counting, Perimeter Protection
WDR	120dB	120dB	120dB	120dB

SMD HD Analog Solution

XVR8000 Series



GX-HT-XVR8000 Series

SMD Technology

- Perimeter Protection: People/ Vehicles
- SMD

Focus on Human/Vehicle

1
SMD (Smart Motion Detection) identifies human/vehicle intrusion.

2
Users can check related recording video with smart search.

- Person
- Vehicle