

A feeling of security is a universal human need. And beyond physical, bodily security, people need to know that their environment, investments, and belongings are safe as well. Security systems are installed in homes and businesses every day to create that sense of security.

Compared to conventional sensor-based alarm systems, a surveillance system that utilizes cameras has several advantages:

- The ability to watch events in real-time,
- Obtaining key data around those events, and
- Providing solid and accurate evidence for law enforcement.

Empowered by deep learning algorithms, AcuSense technology distinguishes people and vehicles from other moving objects. AcuSense series products are your perfect choices for an accessible and intelligent security system!

AcuSense Products



Accurate Alarm for Humans and Vehicles



Search Targets Quickly by Type

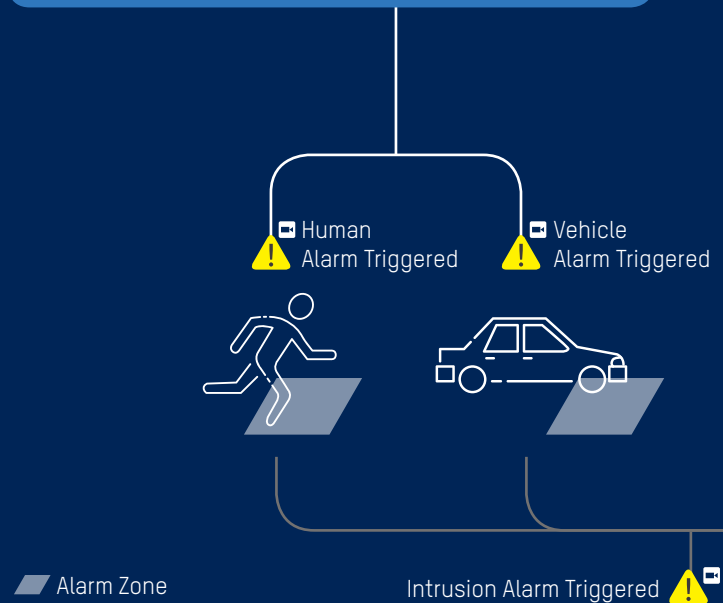


Visual and Auditory Warning

Accurate Alarm for Humans and Vehicles

AcuSense Products

AcuSense devices *recognize* whether the alarm was triggered by *a person, a vehicle, or another object* based on the deep-learning algorithm.*



Conventional Surveillance products VCAs

Without the "brain" that Deep Learning provides, any insignificant movement will trigger an alarm.

As a result, security personnel waste time, energy and resources responding to them.

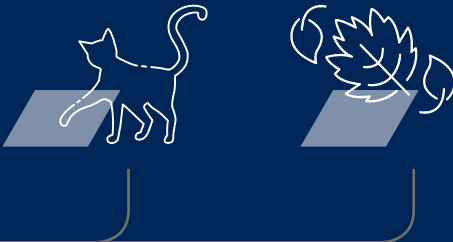
	Visual	Intrusion Alarm	Categorizes Alarms as Human, Vehicle, or Other	Real-Time reaction and Deterrence
AcuSense Products	✓	✓	✓	✓ Built-in Visual and Auditory Warning
Conventional Surveillance Products	✓	✓	✗	Maybe; External siren or light
Alarm Sensors	✗	✓	✗	Maybe; External siren or light



As a result, you'll get an alarm only when people or vehicle intrusions are identified, depending on the event type you choose to focus on.

Laboratory data shows that AcuSense technology can correctly identify up to 98% of the "others" category. This parameter may vary due to different installation environments.

How can AcuSense products help when you want to level-up your protection for your property?



Intrusion Alarm Triggered

Alarm Sensors

This traditional approach to perimeter protection only sends alarm signals. Without a camera for visual reference, they only create extra effort.

Accuracy of sensors can also be receptive to temperature changes (for example, a PIR sensor) or other sudden changes in surroundings.

Search Targets Quickly by Type

For most security events, you will search for video clips that captured human or vehicle activities. With AcuSense devices, this gets easier.

Video Content Analyses



AcuSense Technology



There are plenty of clips that are about irrelevant objects – animals, leaves, light and shadow, etc.

You'll still need to browse through all event files within a period to find the one that captures your target.

Video clips are already sorted into "Human Files" and "Vehicle Files." Just simply click one of these categories and use time or location information to quickly locate the clip that you want.

Explore the Many Application Scenarios

Alarm Receiving Center / Monitoring Center

Improve Alarm Accuracy and Search Efficiency



"Being able to focus on human and vehicle-triggered alarms without the distraction of animal or rain-triggered ones greatly improves work efficiency."

Security monitoring is never an easy task, especially when you're responsible for watching over multiple locations at the same time.

For Burglar Alarm Service

Traditional sensor-based or VCA-based burglar alarm services may be distracted with alarms triggered by insignificant objects, for example, a cat, a dog, or a beam of light. With an advanced algorithm, *AcuSense devices can easily distinguish human and vehicle targets among other objects, and sends an alarm when and only when such intrusion events occur.* Other events will also be stored, but will not be flagged for attention.

For Playback and Video Search

Searching for a specific clip from an ocean of footage is time-consuming. With AcuSense devices, *clips or files that are already classified as people or vehicles* become much easier to locate after an event.

Restricted Areas

Customizable Visual and Auditory Warning

Restricted areas or dangerous areas usually have signage to warn people of danger. People ignore these signs from time to time, resulting in serious consequences, trespassing in high-security zones, or enduring unfortunate incidents.

With an AcuSense camera, you can customize an audio message to be sent when the camera detects someone attempting to enter the area.

The human voice is a much more powerful warning compared to just a written sign. Trespassers are also more likely to turn back when they see a camera monitoring the area.



"It's great that I can use my security camera to verbally warn anyone who approaches the area."



Residences

Intrusion Detection and Deterrence for Home Security

Whether you choose to keep an eye on the house yourself or hire a professional service provider to look after your home, there're two functions you will surely want to have:

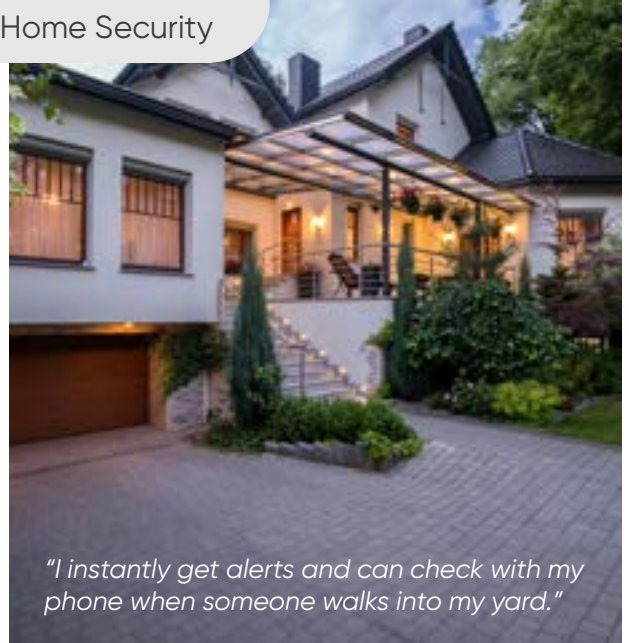
Prompt Notification via Smartphone

Whether events will be taken care of by you or someone else, it's also good to have first-hand information. *You'll get a notification on the App or via SMS when the alarm is triggered. Then check out the live video from your phone.*

Light and Sound Intruder Deterrence

Knowing what the suspect looks like is important, especially for providing evidence to police. However, property losses have already occurred at that time. It would be even better if there were means that can provide on-site deterrence and prevent any loss at all. Now you can!

AcuSense Network Camera can be *set to react to intrusion events with a flashing light and customizable siren*, alerting any would-be intruder that they are being monitored and have already been spotted.



"I instantly get alerts and can check with my phone when someone walks into my yard."

Factories

Accurate Trespass Alarm, 24 Hours a Day



"Now I get notified when people are entering the premises, not when a cat runs into the area."

Factories and warehouses store high-value raw materials or commodities. Security here is crucial. However, there is usually only limited manpower to perform such tasks.

Replace Security Patrols with Camera Monitoring

Using AcuSense products can greatly improve perimeter monitoring efficiency and ensure that limited human resources can be deployed only where needed.

Accurate Trespassing Alarm for Human Targets

Factories and warehouses mostly deal with human intrusion events, which might turn into burglary or vandalism.

The security team can *set their AcuSense devices to send alerts only upon the detection of a human intrusion*. Wild animals crossing the line will no longer trigger the alarm.



AcuSense Products

AcuSense Cameras



Camera Type						
Model	DS-2CD2086G2-I(U) DS-2CD2046G2-I(U) DS-2CD2026G2-I(U)	DS-2CD2186G2-I(SU) * DS-2CD2146G2-I(SU) DS-2CD2126G2-I(SU)	DS-2CD2386G2-I(U) DS-2CD2346G2-I(U) DS-2CD2326G2-I(U)	DS-2CD2T86G2-2I/4I DS-2CD2T46G2-2I/4I DS-2CD2T26G2-2I/4I	DS-2CD2686G2-IZS DS-2CD2646G2-IZS DS-2CD2626G2-IZS	DS-2CD2786G2-IZS DS-2CD2746G2-IZS DS-2CD2726G2-IZS
Key Features	2 / 4 / 8 MP resolution					
	2.8 / 4 / 6 mm fixed lens, optional			2.8-12 mm motorized VF lens		
	IP67(-I models), IP66(-IU models)	IP67(-I models), IP66(-ISU models), IK10	IP67(-I models), IP66(-IU models)	IP67, IK10	IP66, IK10	

* -U: built-in microphone



AcuSense Camera with Strobe Light and Audio Alarm

Powered by
DarkFighter



Camera Type				
Model	DS-2CD2046G2-IU/SL DS-2CD2026G2-IU/SL	DS-2CD2386G2-ISU/SL DS-2CD2346G2-ISU/SL DS-2CD2326G2-ISU/SL	DS-2CD2T86G2-ISU/SL DS-2CD2T46G2-ISU/SL DS-2CD2T26G2-ISU/SL	DS-2CD2686G2-IZSU/SL DS-2CD2646G2-IZSU/SL DS-2CD2626G2-IZSU/SL
Key Features	2 / 4 MP resolution		2 / 4 / 8 MP resolution	
	2.8 / 4 / 6 mm fixed lens, optional			2.8 - 12 mm motorized VF lens
	IP66			IP66, IK10



AcuSense NVRs

DS-7608NXI-I2(/8P)/4S



- Up to 8 channels of IP cameras for access.
- False alarm reduction for 4 channels of behavior (line crossing and intrusion) detection for 2 MP, 3 MP, 4 MP and 8 MP network camera
- Supports quick target search
- H.264, H.264+, H.265, H.265+, MPEG4 supported decoding formats.
- 80 Mbps/256 Mbps for incoming/outgoing bandwidth
- 12-ch 1080p decoding
- HDMI, VGA and CVBS output
- Optional 8 PoE ports, with /8P model
- 1U chassis

DS-7616NXI-I2(/16P)/4S



- Up to 16 channels of IP cameras for access.
- False alarm reduction for 4 channels of behavior (line crossing and intrusion) detection for 2 MP, 3 MP, 4 MP and 8 MP network camera
- Supports quick target search
- H.264, H.264+, H.265, H.265+, MPEG4 supported decoding formats.
- 160 Mbps/256 Mbps for incoming/outgoing bandwidth
- 12-ch 1080p decoding
- HDMI, VGA and CVBS output
- Optional 16 PoE ports, with /16P model
- 1U chassis

DS-7716NXI-I4(/16P)/4S



- Up to 16 channels of IP cameras for access.
- False alarm reduction for 4 channels of behavior (line crossing and intrusion) detection for 2 MP, 3 MP, 4 MP and 8 MP network camera
- Supports quick target search
- H.264, H.264+, H.265, H.265+, MPEG4 supported decoding formats.
- 256 Mbps/200 Mbps for incoming/outgoing bandwidth
- 12-ch 1080p decoding
- 2 HDMI, 1 VGA and 1 CVBS output
- eSATA by default.
- Optional 16 PoE ports, with /16P model
- 1.5U chassis

DS-7732NXI-I4(/16P)/4S



- Up to 32 channels of IP cameras for access.
- False alarm reduction for 4 channels of behavior (line crossing and intrusion) detection for 2 MP, 3 MP, 4 MP and 8 MP network camera
- Supports quick target search
- H.264, H.264+, H.265, H.265+, MPEG4 supported decoding formats.
- 256 Mbps/200 Mbps for incoming/outgoing bandwidth
- 12-ch 1080p decoding
- 2 HDMI, 1 VGA and 1 CVBS output
- Optional 16 PoE ports, with /16P model
- 1.5U chassis



AcuSense DVRs



HDTVI / AHD / CVI / CVBS / IP Video Inputs

iDS-7204HUHI-M1(2)/S

4-Channel AcuSense Face Detection DVR

- Deep learning-based facial detection or behavior analysis
- 1-ch human face capture or 4-ch false alarm reduction
- 5 MP @ 12 fps (CH1: supports 8 MP @ 8 fps)
- Maximum 8 IP Camera Inputs (up to 8 MP)

iDS-7204HQHI-M1/S

4-Channel AcuSense Face Detection DVR

- Deep learning-based facial detection or behavior analysis
- 1-ch human face capture or 2-ch false alarm reduction
- 4 MP Lite @ 15 fps / 1080p @ 15 fps
- Maximum 6 IP Camera Inputs (up to 6 MP)

iDS-7216HQHI-M1(2)/S

16-Channel AcuSense Face Detection DVR

- Deep learning-based facial detection or behavior analysis
- 1-ch human face capture or 4-ch false alarm reduction
- 4 MP Lite @ 15 fps / 1080p @ 15 fps
- Maximum 24 IP Camera Inputs (up to 6 MP)

iDS-7208HUHI-M1(2)/FA

8-Channel AcuSense Facial Recognition DVR

- Deep learning-based behavior analysis or face picture comparison
- 1-ch human face capture and facial comparison alarm or 4-ch false alarm reduction
- Face picture library up to 80 MB capacity, up to 16 face picture libraries
- 8 MP @ 8 fps / 5 MP @ 12 fps
- Maximum 16 IP camera inputs (up to 8 MP)

iDS-7208HQHI-M1/ FA

8-Channel AcuSense Facial Recognition DVR

- Deep learning-based behavior analysis or face picture comparison
- 1-ch human face capture and facial comparison alarm or 4-ch false alarm reduction
- Face picture library up to 80 MB capacity, up to 16 face picture libraries
- 4 MP Lite @ 15 fps / 1080p @ 15 fps
- Maximum 12 IP camera inputs (up to 6 MP)

iDS-7208HUHI-M1(2)/S

8-Channel AcuSense Face Detection DVR

- Deep learning-based facial detection or behavior analysis
- 1-ch human face capture or 4-ch false alarm reduction
- 8 MP @ 8 fps / 5 MP @ 12 fps
- Maximum 16 IP Camera Inputs (up to 8 MP)

iDS-7208HQHI-M1(2)/S

8-Channel AcuSense Face Detection DVR

- Deep learning-based facial detection or behavior analysis
- 1-ch human face capture or 4-ch false alarm reduction
- 4 MP Lite @ 15 fps / 1080p @ 15 fps
- Maximum 12 IP Camera Inputs (up to 6 MP)

iDS-7204HUHI-M1(2)/FA

4-Channel AcuSense Facial Recognition DVR

- Deep learning-based behavior analysis or face picture comparison
- 1-ch human face capture and facial comparison alarm or 4-ch false alarm reduction
- Face image library up to 80 MB capacity, up to 16 face image libraries
- 5 MP @ 12 fps (CH1: supports 8 MP @ 8 fps)
- Maximum 8 IP camera inputs (up to 8 MP)

iDS-7204HQHI-M1/FA

4-Channel AcuSense Facial Recognition DVR

- Deep learning-based behavior analysis or face picture comparison
- 1-ch human face capture and facial comparison alarm or 2-ch false alarm reduction
- Face picture library up to 80 MB capacity, up to 16 face picture libraries
- 4 MP Lite @ 15 fps / 1080p @ 15 fps
- Maximum 6 IP camera inputs (up to 6 MP)

iDS-7216HQHI-M1/ FA

16-Channel AcuSense Facial Recognition DVR

- Deep learning-based behavior analysis or face picture comparison
- 1-ch human face capture and facial comparison alarm or 4-ch false alarm reduction
- Face picture library up to 80 MB capacity, up to 16 face picture libraries
- 4 MP Lite @ 15 fps / 1080p @ 15 fps
- Maximum 24 IP camera inputs (up to 6 MP)



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