

**AcuSense**  
*Technology*

The Easy  
**Upgrade**

to

**AI**



**FOCUS**  
*and* **ACT**



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Network Cameras | PTZs | NVRs | DVRs

## AcuSense

AcuSense is an intelligent video analysis technology based on deep learning algorithms, which detects targets and classifies them into humans, vehicles, and others. It helps produce reliable alarms for users.

AcuSense is perfect for any homeowner or business that wants to take security to the next level - with labor-saving and cost-savings automation capabilities. With a wide range of intelligent cameras, NVR's, and DVR's that are perfect for home and business applications. AcuSense provides all the benefits of AI security, with a uniquely **low total cost of ownership.**

*Respond to security threats proactively, in real time:* With AI algorithms detect real security threats and receive alarms to your mobile phone immediately.

*Save time and reduce security cost:* With fewer false alarms, and features for finding footage of incidents quickly and easily.

*Upgrade to AI security quickly and easily:* With AcuSense-enabled products that are fast and easy to install and configure.



# AcuSense

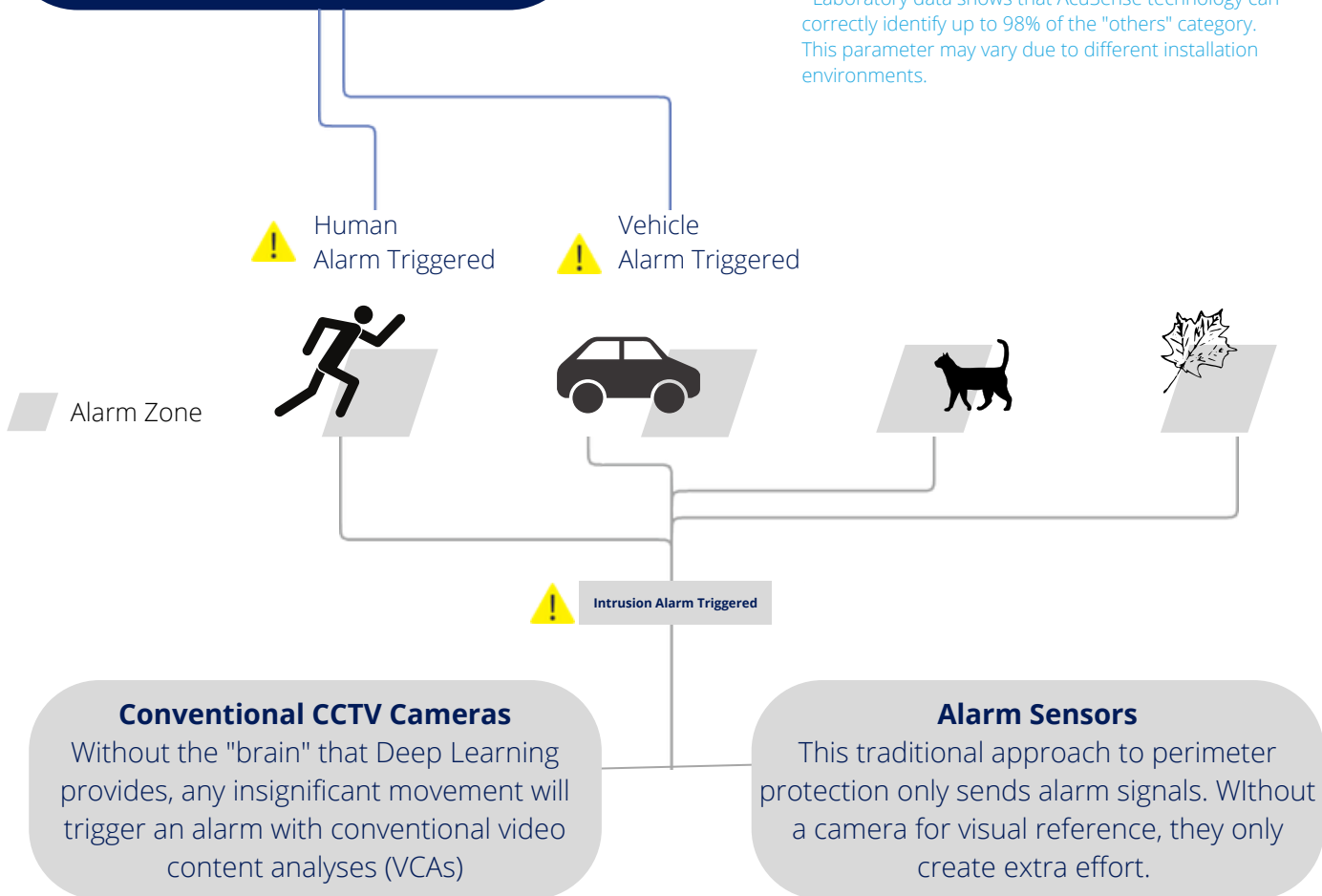
## What makes AcuSense Unique?

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



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.



As a result, security personnel don't waste time, energy, and resources to respond to false alarms.

# AcuSense



## Proactive protection for homes and businesses

AcuSense helps homeowners and businesses to respond to security incidents in real time based on **fast, reliable, verifiable intrusion alerts**. As a result, they can take security to the next level and respond faster to incidents before losses or damages.

## Increased efficiency, cost savings, and fast ROI

AcuSense technology helps homeowners and businesses to reduce security workloads and cost by **minimizing false alarms**, and by **making footage searches fast and easy**.

### How it works?



#### Real time alarms

Which speed up responses and help to reduce damage or losses caused by vandalism, break-ins, and other security incidents



#### Built-in visual & auditory warnings

Which deter many burglars, vandals, and trespassers before they even enter sites or buildings



#### High-quality video imaging

For crystal clear evidence that can be used in legal processes if necessary.



#### AI person and vehicle recognition

Which minimizes false alarms caused by animals, falling leaves, heavy rain, and other moving objects - reducing verification work and costly site visits



#### "Labels" applied to video footage

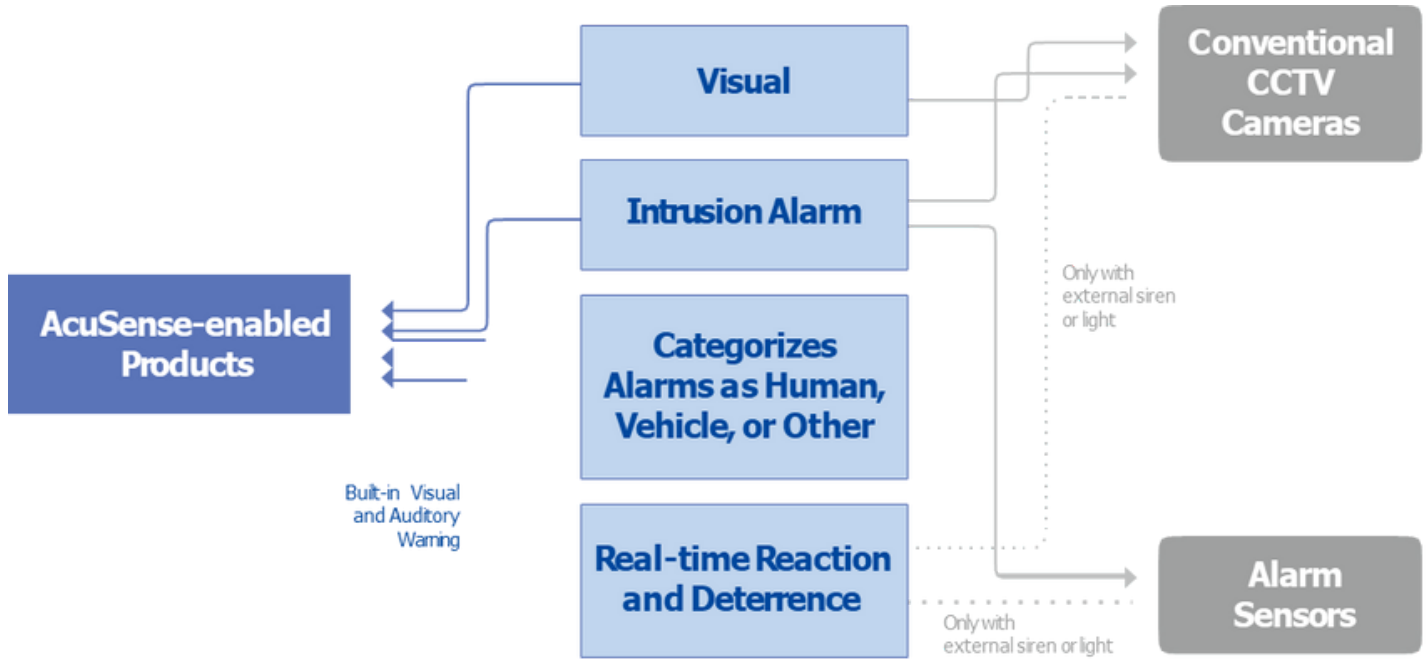
Which support fast searches for security incidents, with no need to review footage manually.



#### Multiple security capabilities in a single device

Which allows homeowners and businesses to retire separate CCTV and alarm detector solutions for major cost savings.

# AcuSense



## Search Target Quickly by Type

For most security events, homeowners and businesses need to search for video clips that capture human or vehicle activities. **With AcuSense, this gets easier:**



With AcuSense technology, video clips are already sorted into "Human Files" and "Vehicle Files." This allows homeowners and businesses to click a category and use time or location information to quickly locate the clip that they want.

Conventional VCA's



There are plenty of clips that are about irrelevant objects – animals, leaves, light and shadow, etc. To find the file that captures a specific target, homeowners and businesses have to browse through all event files within a given time period – which is highly time consuming.

# AcuSense

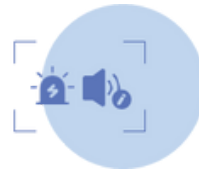
## HikVision products with embedded AcuSense Technology



**Accurate Alarm for Humans & Vehicles**



**Search Target Quickly by type**



**Visual and Auditory Warning**

Hikvision offers a range of security cameras, NVRs, and DVRs, that have AcuSense technology built in. These are able to detect humans and vehicles extremely reliably, triggering alarms to end users' mobile devices, and creating labels in video footage for fast, accurate incident searches.

High-end Hikvision cameras that incorporate AcuSense technology (such as model 2XX7G2 cameras) also use Hikvision ColorVu technology to provide extremely clear, high-resolution images of vehicles and people of interest – even in ultra low-light conditions or at night.

Most Hikvision cameras that incorporate AcuSense technology have built-in visual and auditory warnings to startle and put off intruders.



### Prompt Notifications to End Users' Smartphones

Whether events will be taken care of by the homeowner, or someone else, it's always good to have first-hand information. With AcuSense technology, notifications are sent via an App, or by SMS, when an alarm is triggered. This means that end users can quickly check live video from their phone – allowing them to verify potential security threats instantly

### Light and Sound Intruder Deterrence

Knowing what the suspect looks like is important, especially for providing evidence to police. However, by the time footage is available, losses have usually already occurred. It would be much better if there was a way to provide on-site deterrence to prevent any loss at all. With AcuSense technology, this becomes possible! AcuSense-enabled network cameras, for example, can be set up 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. Factories and warehouses store high-value raw materials or commodities. Security here is crucial. However, there are usually only limited resources available to perform such tasks.

# AcuSense

## Replace Security Patrol with Camera Monitoring

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

## Accurate Trespassing Alarm for Human Targets

Factories and warehouses mostly deal with human intrusion events, which might turn into burglary or vandalism. With AcuSense technology, end users can configure their security devices to send alerts only when human intruders are detected – ensuring that moving animals and other moving objects never trigger false alarms.

### The easy Upgrade

to

# AI



Accurate alarms for humans and vehicles



Search targets quickly by type



Visual and auditory warning



# AcuSense

## EasyIP 4.0 Network Cameras



<b>Appearance</b>				
<b>Model</b>	DS-2CD2087G2-L(U)	DS-2CD2147G2(-SU)	DS-2CD2387G2-L(U)	DS-2CD2T87G2-L
	DS-2CD2047G2-L(U)	DS-2CD2127G2(-SU)	DS-2CD2347G2-L(U)	DS-2CD2T47G2-L
	DS-2CD2027G2-L(U)		DS-2CD2327G2-L(U)	DS-2CD2T27G2-L
<b>Key Features</b>	* 2, 4 or 8 MP resolution	* 2, or 4 MP resolution	*2, 4 or 8 MP resolution	*2, 4 OR 8 MP resolution
	* 2, 8, 4 or 6 mm fixed lens	* 2, 8, or 4 mm fixed lens	*2,8 or 4 mm fixed lens	*2, 8, 4 or 6 mm fixed lens
	* IP67	* IP67, IK10	*IP67	*IP67

<b>Appearance</b>					
<b>Model</b>	DS-2CD2647G2-LZS	DS-2CD2747G2-LZS	DS-2CD2047G2-LU/SL	DS-2CD2347G2-LSU/SL	DS-2CD2T47G2-LSU/SL
<b>Key Features</b>	* 4 MP resolution	* 4 MP resolution	* 4 MP resolution	* 4 MP resolution	* 4 MP resolution
	* 3.6 to 9mm motorized VF lens	* 3.6 to 9mm motorized VF lens	* 2.8, 4 OR 6 MM Fixed lens	* 2.8, 4 or 6 mm fixed lens	* 2.8, 4 or 6 mm fixed lens
	* IP67, IK10	* IP67, IK10	* IP67	*IP67	*IP67



# AcuSense

## EasyIP 4.0 Network Cameras



<b>Appearance</b>					
<b>Model</b>	DS-2CD2086G2-I(U)	DS-2CD2186G2-I(SU)	DS-2CD2386G2-I(U)	DS-2CD2T86G2-2I/4I	DS-2CD2466G2-I
	DS-2CD2066G2-I(U)	DS-2CD2166G2-I(SU)	DS-2CD2366G2-I(U)	DS-2CD2T86G2-2I/4I	DS-2CD2446G2-I
	DS-2CD2046G2-I(U)	DS-2CD2146G2-I(SU)	DS-2CD2346G2-I(U)	DS-2CD2T46G2-2I/4I	DS-2CD2426G2-I
	DS-2CD2026G2-I(U)	DS-2CD2126G2-I(SU)	DS-2CD2326G2-I(U)	DS-2CD2T26G2-2I/4I	
<b>Key Features</b>	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution
	* 2.8, 4 or 6 mm fixed lens	* 2.8, 4 or 6 mm fixed lens	* 2.8, 4 or 6 mm fixed lens	* 2.8, 4 or 6 mm fixed lens	* 2.8, 4 or 6 mm fixed lens
	* IP67	* IP67, IK10	* IP67	* IP67, IK10	

<b>Appearance</b>					
<b>Model</b>	DS-2CD2586G2-I(S)	DS-2CD2686G2-IZS	DS-2CD2786G2-IZS	DS-2CD2H86G2-IZS	DS-2CD2086G2-IU/SL
	DS-2CD2566G2-I(S)	DS-2CD2666G2-IZS	DS-2CD2766G2-IZS	DS-2CD2H66G2-IZS	DS-2CD2066G2-IU/SL
	DS-2CD2546G2-I(S)	DS-2CD2646G2-IZS	DS-2CD2746G2-IZS	DS-2CD2H46G2-IZS	DS-2CD2046G2-IU/SL
	DS-2CD2526G2-I(S)	DS-2CD2626G2-IZS	DS-2CD2726G2-IZS	DS-2CD2H26G2-IZS	DS-2CD2026G2-IU/SL
<b>Key Features</b>	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution
	* 2.8, 4 or 6 mm fixed lens	* 2.8, 4 or 12 mm VF lens	* 2.8, 4 or 12 mm VF lens	* 2.8, 4 or 6 mm motorized lens	* 2.8, 4 or 6 mm fixed lens
	* IP67, IK10	* IP67, IK10	* IP67	* IP67, IK10	* IP66

# AcuSense

## EasyIP 4.0 Network Cameras

Powered by  
**DarkFighter** ✨

<b>Appearance</b>			
<b>Model</b>	DS-2CD2386G2-ISU/SL	DS-2CD2T86G2-ISU/SL	DS-2CD2686G2-IZSU/SL
	DS-2CD2366G2-ISU/SL	DS-2CD2T86G2-ISU/SL	DS-2CD2666G2-IZSU/SL
	DS-2CD2346G2-ISU/SL	DS-2CD2T46G2-ISU/SL	DS-2CD2646G2-IZSU/SL
	DS-2CD2326G2-ISU/SL	DS-2CD2T26G2-ISU/SL	DS-2CD2626G2-IZSU/SL
<b>Key Features</b>	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution	* 2, 4, 6 or 8 MP resolution
	* 2.8, 4 or 6 mm fixed lens	* 2.8, 4 or 6 mm fixed lens	* 2.8, 4 or 12 mm mptorized VF lens
	* IP66	* IP66	* IP66, IK10

- Built-in microphone



**DarkFighter**

# AcuSense





## PTZ Network Cameras

<b>Appearance</b>			
<b>Model</b>	DS-2DE4415IW-DE(T5)	DS-2DE4425IW-DE(T5)	DS-2DE5425IW-AE(T5)
<b>Key Features</b>	* 4 MP resolution	* 4 MP resolution	* 4 MP resolution
	* 15x optical zoom	* 25x optical zoom	* 25x optical zoom
	* 100 m IR distance	* 100 m IR distance	* 150 m IR distance
	* Powered-by-DarkFighter	* Powered-by-DarkFighter	* Powered-by-DarkFighter
	* Pan speed: 80°/s,Tilt speed:80°/s	* Pan speed: 80°/s,Tilt speed:80°/s	* Pan speed: 120°/s,Tilt speed:80°/s
	* IP66	* IP66	* IP66
	* 4 inch	* 4 inch	* 5 inch

<b>Appearance</b>			
<b>Model</b>	DS-2DE7A425IW-AEB(T5)	DS-2DE7A432IW-AEB(T5)	DS-2DE7A825IW-AEB(T5)
<b>Key Features</b>	* 4 MP resolution	* 4 MP resolution	* 8 MP resolution
	* 25x optical zoom	* 32x optical zoom	* 25x optical zoom
	* 200 m IR distance	* 200 m IR distance	* 200 m IR distance
	* Powered-by-DarkFighter	* Powered-by-DarkFighter	* Powered-by-DarkFighter
	* Pan speed: 240°/s,Tilt speed:200°/s	* Pan speed: 240°/s,Tilt speed:200°/s	* Pan speed: 240°/s,Tilt speed:200°/s
	* IP66, IK10	* IP66, IK10	* IP66, IK10
	* 7 inch	* 7 inch	* 7 inch


# AcuSense

## Network Video Recorders

Model	Appearance	Key Feature
DS-7608NXI-I2(/8P)/S		<ul style="list-style-type: none"> <li>* Up to 8-ch network camera input</li> <li>* Intelligent analysis based on deep learning algorithm: up to 4-ch perimeter protection; up to 1-ch facial recognition for video streams or 4-ch facial recognition for face pictures</li> <li>* Quick target search</li> <li>* H.265+/H.265/H.264+/H.264 video formats</li> <li>* Up to 16-ch 1080p decoding capability</li> <li>* Optional 8 PoE ports, with /8P model</li> <li>* 1U chassis</li> </ul>
DS-7616NXI-I2(/16P)/S		<ul style="list-style-type: none"> <li>* Up to 16-ch network camera input</li> <li>* Intelligent analysis based on deep learning algorithm: up to 4-ch perimeter protection; up to 1-ch facial recognition for video streams or 4-ch facial recognition for face pictures</li> <li>* Quick target search</li> <li>* H.265+/H.265/H.264+/H.264 video formats</li> <li>* Up to 16-ch 1080p decoding capability</li> <li>* Optional 16 PoE ports, with /16P model</li> <li>* 1U chassis</li> </ul>
DS-7716NXI-I4(/16P)/S		<ul style="list-style-type: none"> <li>* Up to 16-ch network camera input</li> <li>* Intelligent analysis based on deep learning algorithm: up to 4-ch perimeter protection; up to 1-ch facial recognition for video streams or 4-ch facial recognition for face pictures</li> <li>* Quick target search</li> <li>* H.265+/H.265/H.264+/H.264 video formats</li> <li>* Up to 16-ch 1080p decoding capability</li> <li>* Optional 16 PoE ports, with /16P model</li> <li>* 1.5U chassis</li> </ul>
DS-7732NXI-I4(/16P)/S		<ul style="list-style-type: none"> <li>* Up to 32-ch network camera input</li> <li>* Intelligent analysis based on deep learning algorithm: up to 4-ch perimeter protection; up to 1-ch facial recognition for video streams or 4-ch facial recognition for face pictures</li> <li>* Quick target search</li> <li>* H.265+/H.265/H.264+/H.264 video formats</li> <li>* Up to 16-ch 1080p decoding capability</li> <li>* Optional 16 PoE ports, with /16P model</li> <li>1.5U chassis</li> </ul>

# AcuSense

## Digital Video Recorders

Appearance			
Model	Key Features	Model	Key Features
iDS-7204HUHI-M1(2)/S	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 4 channels</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 5 MP @ 12 fps (CH1: supports 8 MP @ 8 fps)</li> <li>* A maximum input of 8 network cameras (up to 8 MP)</li> </ul>	iDS-7232HQHI-M2/S	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 32 channels</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 4 MP Lite @ 15 fps / 1080p @ 15 fps</li> <li>* A maximum input of 40 network cameras (up to 6 MP)"</li> </ul>
iDS-7208HUHI-M1(2)/S	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 8 channels</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 8 MP @ 8 fps / 5 MP @ 12 fps</li> <li>* A maximum input of 16 network cameras (up to 8 MP)</li> </ul>	iDS-7204HUHI-M1(2)/ FA	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 4 channels</li> <li>* 1-ch face capture and comparison</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 5 MP @ 12 fps (CH1: supports 8 MP @ 8 fps)</li> <li>* A maximum input of 8 network cameras (up to 8 MP)</li> </ul>
iDS-7216HUHI-M2/S	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 16 channels</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 8 MP @ 8 fps / 5 MP @ 12 fps</li> <li>* A maximum input of 24 network cameras (up to 8 MP)</li> </ul>	iDS-7208HUHI-M1(2)/ FA	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 8 channels</li> <li>* 1-ch face capture and comparison</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 8 MP @ 8 fps / 5 MP @ 12 fps</li> <li>* A maximum input of 16 network cameras (up to 8 MP)</li> </ul>
iDS-7204HQHI-M1/S	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 4 channels</li> <li>* Up to 2-ch deep learning based perimeter protection</li> <li>* 4 MP Lite@ 15 fps / 1080p @ 15 fps</li> <li>* A maximum input of 6 network cameras (up to 6 MP)</li> </ul>	iDS-7204HQHI-M1/FA	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 4 channels</li> <li>* 1-ch face capture and comparison</li> <li>* Up to 2-ch deep learning based perimeter protection</li> <li>* 4 MP Lite@ 15 fps / 1080p @ 15 fps</li> <li>* A maximum input of 6 network cameras (up to 6 MP)</li> </ul>
iDS-7208HQHI-M1(2)/S	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 8 channels</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 4 MP Lite @ 15 fps / 1080p @ 15 fp</li> <li>* A maximum input of 12 network cameras (up to 6 MP)</li> </ul>	iDS-7208HQHI-M1/FA	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 8 channels</li> <li>* 1-ch face capture and comparison</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 4 MP Lite @ 15 fps / 1080p @ 15 fp</li> <li>* A maximum input of 12 network cameras (up to 6 MP)</li> </ul>
iDS-7216HQHI-M1(2)/S	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 16 channels</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 4 MP Lite @ 15 fps / 1080p @ 15 fps</li> <li>* A maximum input of 24 network cameras (up to 6 MP)</li> </ul>	iDS-7216HQHI-M1/FA	<ul style="list-style-type: none"> <li>* Deep learning based motion detection on all 16 channels</li> <li>* 1-ch face capture and comparison</li> <li>* Up to 4-ch deep learning based perimeter protection</li> <li>* 4 MP Lite @ 15 fps / 1080p @ 15 fps</li> <li>* A maximum input of 24 network cameras (up to 6 MP)</li> </ul>