# AcuSense
## *Technology*

# The Easy Upgrade to AI

**segtek**

Instalador autorizado

AcuSense Technology
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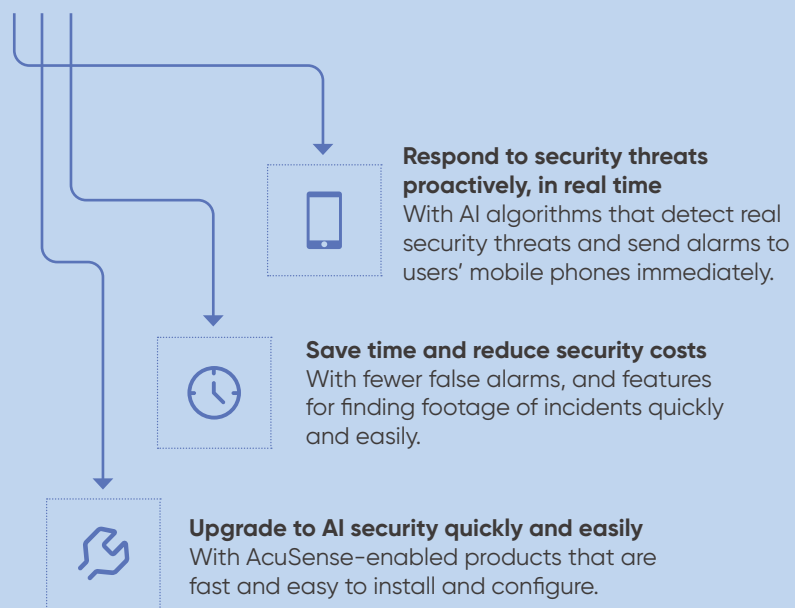
**HIKVISION**®

To protect homes and businesses, people need smart, proactive, reliable security solutions.
But traditional CCTV and alarm systems often fall short – with no way to spot real security threats and trigger alarms in real time.

Hikvision AcuSense **solves these security challenges with the power of AI** – helping **boost security** while also significantly **reducing manual workloads and costs.**
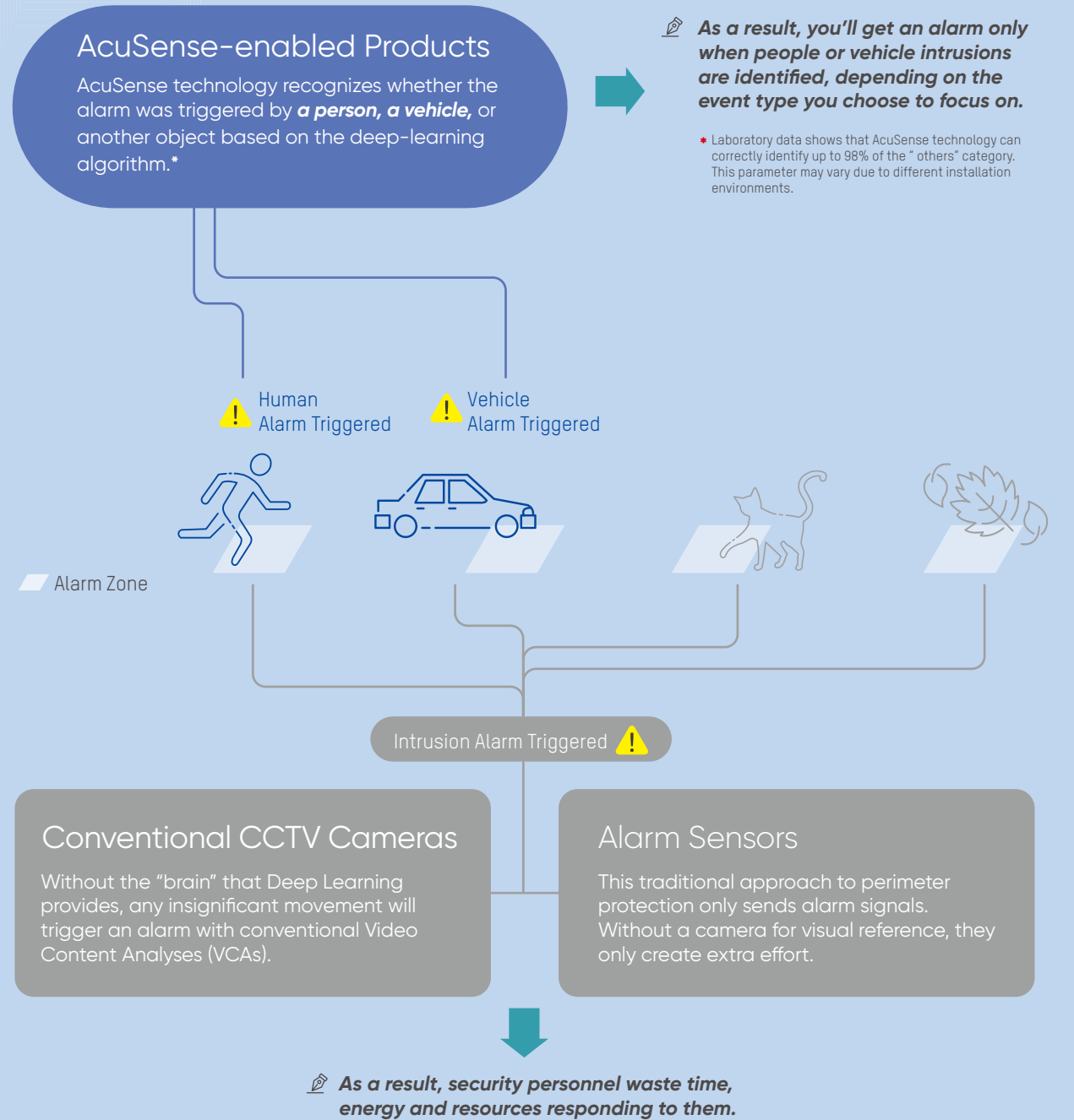
# How

## is AcuSense different

### AcuSense-enabled Products

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.

⚠ Human Alarm Triggered

⚠ Vehicle Alarm Triggered

▱ Alarm Zone

Intrusion Alarm Triggered ⚠

### Conventional CCTV Cameras

Without the "brain" that Deep Learning provides, any insignificant movement will trigger an alarm with conventional Video Content Analyses (VCAs).

### Alarm Sensors

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

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

# Who is
## AcuSense for

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

# With

## AcuSense-enabled products, homeowners and businesses can

**Respond to security threats proactively, in real time**
With AI algorithms that detect real security threats and send alarms to users' mobile phones immediately.

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

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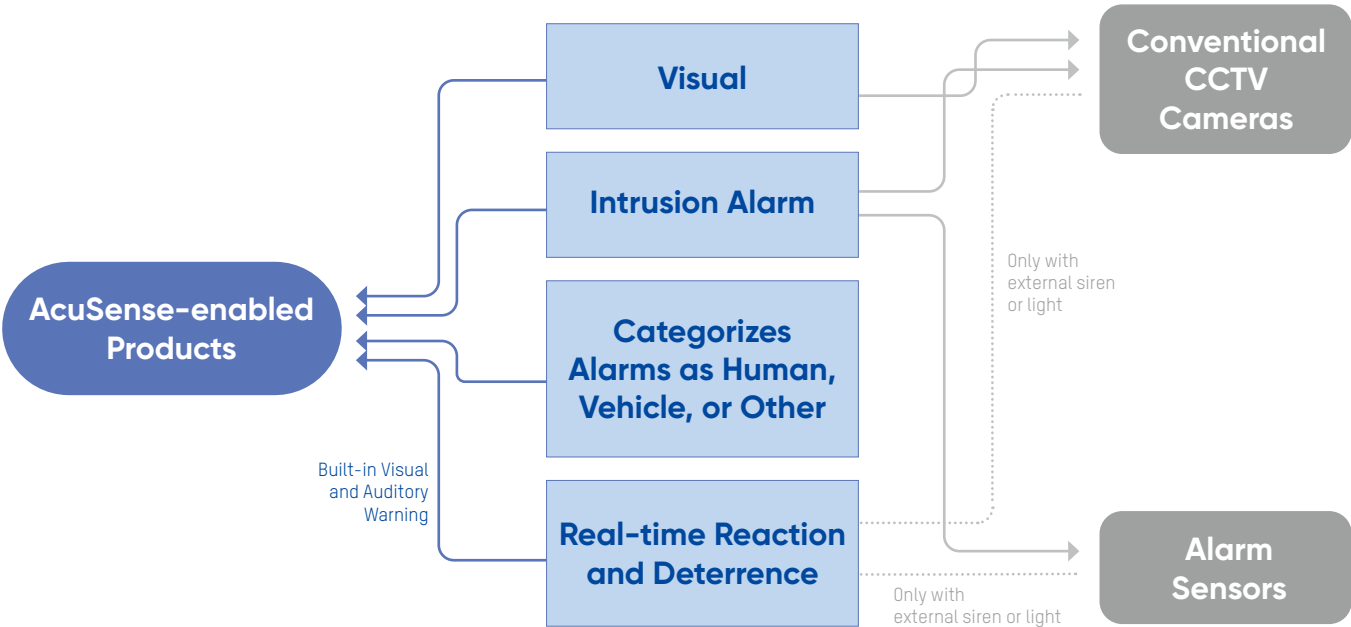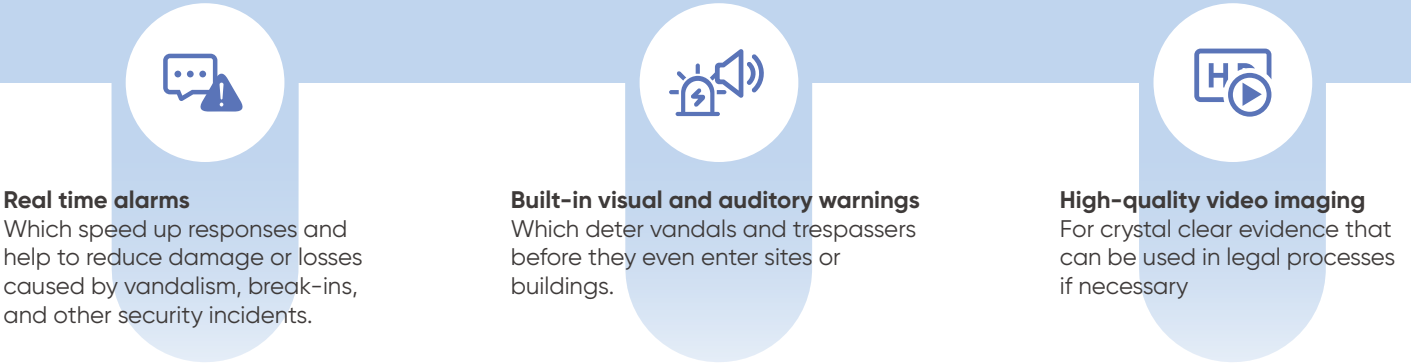With AcuSense-enabled products that are fast and easy to install and configure.

# 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 are incurred.

## 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 and auditory warnings**
Which deter 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

# Increased efficiency, cost savings, and fast ROI

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

## How it works

**AI person and vehicle detection**
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

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AcuSense-enabled Products

- Visual → Conventional CCTV Cameras
- Intrusion Alarm
- Categorizes Alarms as Human, Vehicle, or Other
- Real-time Reaction and Deterrence → Alarm Sensors

Built-in Visual and Auditory Warning

Only with external siren or light

Only with external siren or light

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## Search Targets 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:**

AcuSense Technology

Human Files     Vehicle Files

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 VCAs

1     2     ... ...     n

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.