

D F U  
S I  
O N .

# Two detection engines to stop security breaches

A fusion of the leading video analytics software in the market with highly advanced artificial intelligence technology



More than 15 years of research to create a new generation of video analytics.

Power up your devices with our state-of-the-art technology.

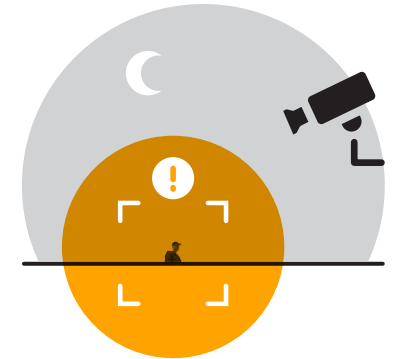
# Latest generation AI-based DFUSION technology

## Everything under control

Maximum detection, even under difficult conditions

Capable of detecting intruders at long distances or partly hidden.

Compatible with day/night and thermal cameras.



Unprecedented reduction in false alarms

Avoid false alarms caused by: plants, trees, small animals, insects, spiders, bad lighting and vehicle lights, heavy rain, wind, etc.



Protection from tampering and faults

DFUSION detects technical alarms and instantly sends an alert to the control centres.

There are many causes of technical alarms. As well as vandalism, they can be triggered by the wind, branches hitting the camera, sudden changes in lighting, etc.



# A solution for each project

We detect the impossible

We provide real video analytics solutions around the world. We adapt to our customers' needs and demands.

Maximum detection and minimum false alarms in perimeter protection with highly advanced artificial-intelligence based technology.

Power up your devices with our state-of-the-art technology

## DFUSION MINI

The most cost-effective solution for small sites

67 m (73 yd) day/night camera  
Connected to a CMS



## DFUSION

A powerful, scalable system for the industrial sector

67 m (73 yd) day/night camera  
235 m (257 yd) thermal camera  
Integrated with most VMS and PSIM



## DFUSIONPRO

The best video analytics for critical sites

120 m (131 yd) day/night camera  
505 m (552 yd) thermal camera  
Integrated with most VMS and PSIM



Perimeter security for all types of sites



Education



Dealerships and car parks



Businesses



Leisure



Logistics



Residential



Airports



Photovoltaic farms



Power stations



Public transport



Prisons



Industrial facilities

# Efficient tools for security management

## Features

### DFUSION MINI

Day/night camera:  
67 m (73 yd)

### DFUSION

Thermal camera:  
235 m (257 yd)  
Day/night camera:  
67 m (73 yd)

### DFUSIONPRO

Thermal camera:  
505 m (552 yd)  
Day/night camera:  
120 m (131 yd)



- Intruders
- Vehicles
- Entry / Exit
- Sabotage
- Loitering
- Appearance / disappearance
- Combination of rules
- Integrated with CMS
- Compatible ONVIF
- Scalable
- Integrated with CMS, VMS and PSIM
- ONVIF bridge
- High resolution
- Threat levels
- Maps in action
- Virtual IR
- Image stabilisation
- Smart PTZ
- ATKPRO

# Advanced DFUSION & DFUSIONPRO



## Maps in action

Optional module that allows operators to visualize the activity of an installation on a live map.

Alarmed cameras change their status to alert operators.

Hotspot mode automatically opens the camera's live image in case of alarm.



## Threat levels

Critical infrastructures can use different security protocols depending on their characteristics.

Our solutions work with preset sensitivities depending on the current threat level.

The different levels can be activated from an external device.

Discover the potential of our advanced features for perimeter protection





# Advanced DFUSIONPRO



## Virtual IR

Virtually lights darker areas to improve intruder detection by thermal cameras.

The system processes the image received by the camera, highlighting dark areas which are difficult to see, showing a better-lit image where the incident is clearly visible.



## Stabiliser

For more reliable detection of intruders and fewer false alarms caused by camera movements.

The slightest vibration caused by the wind can cause the scene to shake and affect video analytics systems.

Our image stabiliser improves reliability and performance compared to competitors.



## Smart PTZ

Based on detection with fixed cameras, the Smart PTZ feature makes it possible to position a PTZ camera at the point where the detection is generated.

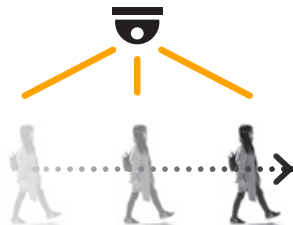
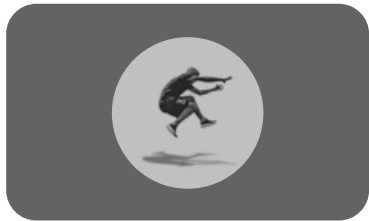
This features provides security staff with additional video of the detection.



## ATKPRO >

Optional module that automatically follows the intruder when he leaves the field of vision of the fixed camera.

The Smart PTZ positions the camera in the detection point and takes control by following the intruder as he moves about. A video with the alarm is sent to the control centres for additional checks.



# More control, fewer resources

Compatible with all makes of hardware and can be integrated in CMS, VMS and PSIM

DFUSION sends technical incident alarms to control centres and its polling system alerts when the connection is lost



- DFUSION Allows scaling of video analytics systems.
- Quick and easy installation.
- Make more efficient use of your security staff.
- Highly intuitive software.
- Remote technical support.

Total freedom when designing CCTV systems

It takes less than 5 minutes to configure each camera with our patented SmartWalk technology.

## Alarm management



## CMS\* Software

### DAVIEW AMS

AVANTE  
AZURSOFT/HORUS  
BOLD GEMINI  
IBS/SBN  
IMMIX/SUREVIEW  
INITSYS/MERLIN  
MANITOU/BOLD  
MASTERMIND

### MKS

MONIPLUS  
PATRIOT  
SECURITHOR  
SENTINEL  
SIMS  
SOFTGUARD  
ETC...

## PSIM/VMS\*

### AGORA

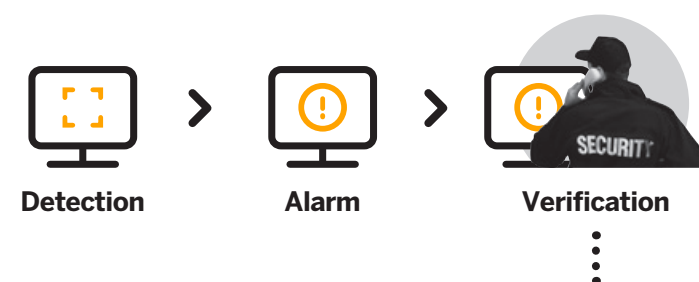
BOSCH  
CNL  
CORTECH  
DESICO  
EXACQ  
GENETEC  
GEUTEBRUECK  
HANWHA  
HIKVISION

### IDIS

INDIGOVISION  
INDRA  
MILESTONE  
NETWORK OPTIX  
OCTOPUS  
TELESTE  
ULTRAVIEW  
ETC...

\*See the complete list of integrations at [www.davantis.com/en/partners](http://www.davantis.com/en/partners)

# Verification process



## ClickThru™

Exclusive, simple, efficient system integrated in all alarm management software, CMS, VMS and PSIM.

### Click 1

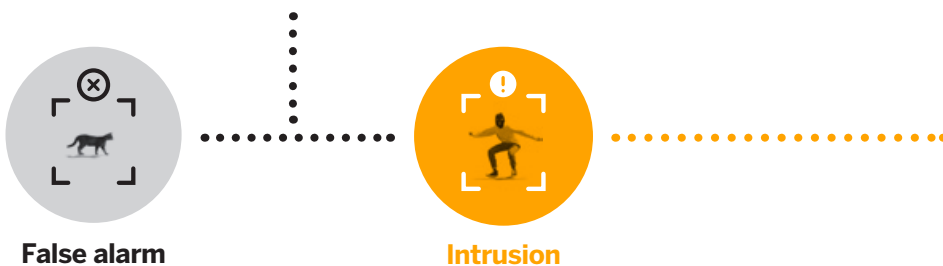
**Snapshot** highlighting the cause of the alarm.

### Click 2

**Video Clip** Of the alarm at the activation point.

### Click 3

**Access** to the camera for immediate verification.



## Remote activation of deterrent measures

Lights / Loudspeakers / Alarms / Police / Owner / Security



Your security staff can monitor the site and take the necessary actions within seconds

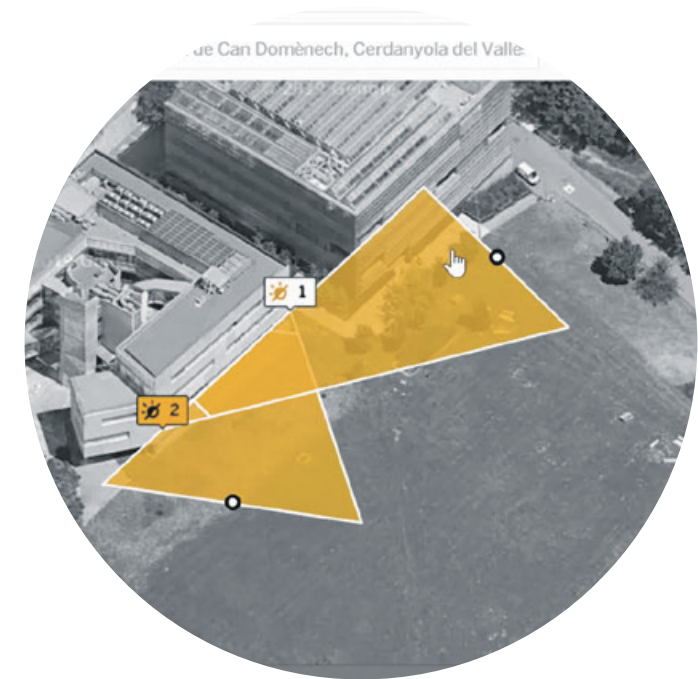




Design your  
perimeter  
security projects,  
reducing costs  
and installation  
times

## Site Planning Tool, Easy, free design

Register free at  
[davantis.com](https://davantis.com)  
and design  
your projects



### Design

The easy way to design your  
security projects.

Create projects with any  
type of camera by any  
manufacturer

Avoid blind spots, poor  
lighting or incorrect detection  
distances



### Technical reliability

Get it right the first time with  
our tool.

Know the exact detection  
distance of each camera by  
its corresponding lens

Import and export projects  
and share them with our  
experts to get their advice



### Here to help

We are here to advise you  
throughout all phases of the  
project.

Send the project to your  
customers in pdf format,  
customised with your  
company logo

Find the angular coverage so  
as not to lose detection on  
the horizontal plane

# Why DAVANTIS?



Smart solution for more effective protection



**Committed to your project**  
We advise and assist you through every stage of the project, from sales visits, designs and planning to commissioning the system.



**Internationally renowned**  
More than 10,000 km of perimeter monitored with channels installed in more than 40 countries worldwide.

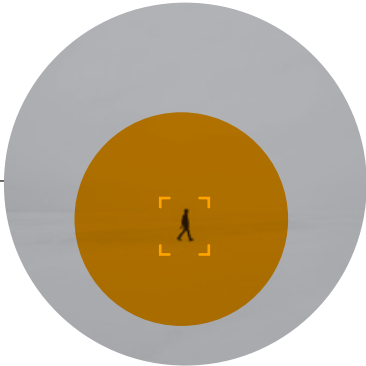


**We share knowledge**  
Our excellent technical service is highly committed and provides remote support. Always ready to help you.

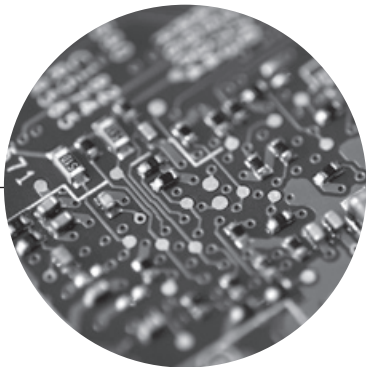


**We are best for long distances.**  
Perimeter surveillance solutions for safer spaces.

**Verification process**  
Quick, easy alarm checks. Reaction within seconds.



**Integral result**  
Compatible with all manufacturers. Total freedom when designing CCTV systems. Exclusive, simple, efficient system integrated in all alarm management software, CMS, VMS and PSIM.



# We plot the road to follow

+40 countries  
represented

+10,000 km  
of perimeter under surveillance

+15 years  
specialising in R&D

## DAVANTIS Offices

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Barcelona · Spain  
Madrid · Spain  
Nice · France  
Luedinghausen · Germany  
Bogota · Colombia  
Singapore

DAVANTIS  
TECHNOLOGIES INC  
Washington DC · USA



info@davantis.com  
www.davantis.com

