D F U

Artificial
Intelligence
beyond
Deep Learning

S I

O N .

DAVANTIS
Experts in video analytics

DAVANTIS

DFUSION has revolutionised video analytics for perimeter protection

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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.

Two detection engines to protect from security breaches

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

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.

DFUSION has revolutionised video analytics for perimeter protection

DFUSION MINI

The most cost-effective four-channel solution for small sites

67 m day/night camera
Connected to a CMS

DFUSION

A powerful, scalable system for the industrial sector

67 m day/night camera
235 m thermal camera
Integrated in the VMS and PSIM

DFUSIONPRO

Powerful video analytics for critical sites

120 m day/night camera
505 m thermal camera
Integrated in the 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

Latest generation AI-based DFUSION technology

Everything under control

—

Optimal detection in difficult conditions

Capable of detecting intruders at long distances or partly hidden.

Avoid false alarms caused by: Plants, insects, spiders, rain, vehicle lights, etc.

Continuous analysis of the scene for total reliability

All images of the intruder are analysed continuously by two detection engines to ensure that nothing gets through the net.
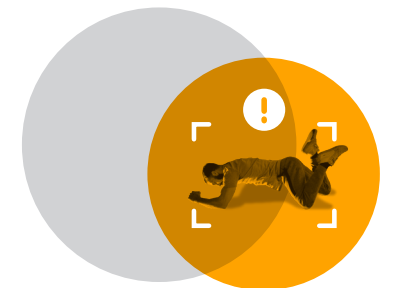
Protection from tampering and faults

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.

Features

DFUSION range

Icon	Feature
👤	Intruders
🚗	Vehicles
↔	Entry / Exit
✋	Sabotage
👥	Loitering
👤	Appearance / disappearance
🔗	Combination of rules
📷	Integrated with CMS
ONVIF	Compatible ONVIF

DFUSION MINI

Icon	Feature
☰	Scalable
📷	Integrated with CMS, VMS and PSIM
👆	ONVIF bridge
HR	High resolution

DFUSION

| Icon	Feature
⛷	Virtual IR
📹	Image stabilisation
ZOOM	Smart PTZ
⟨⋯⟩	ATK**PRO**

DFUSION PRO

Features DFUSION**PRO**

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.
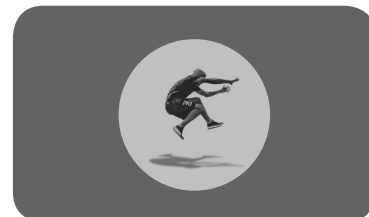
Stabiliser

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.

ATK**PRO**

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.

It controls more sites with 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.

Make more efficient use of your security staff.

Quick and easy installation.

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.

ONVIF

NVR

Alarm management

AMS SERVER

CMS* Software

DAVIEW AMS	MKS
AVANTE	MONIPLUS
AZURSOFT/HORUS	PATRIOT
BOLD GEMINI	SECURITHOR
IBS/SBN	SENTINEL
IMMIX/SUREVIEW	SIMS
INITSYS/MERLIN	SOFTGUARD
MANITOU/BOLD	ETC...
MASTERMIND	

PSIM/VMS*

AGORA	IDIS
BOSCH	INDIGOVISION
CNL	INDRA
CORTECH	MILESTONE
DESICO	NETWORK OPTIX
EXACQ	OCTOPUS
GENETEC	TELESTE
GEUTEBRUECK	ULTRAVIEW
HANWHA	ETC...
HIKVISION	

*See the complete list of integrations at www.davantis.com/en/partners

Verification process

Detection > **Alarm** > **Verification**
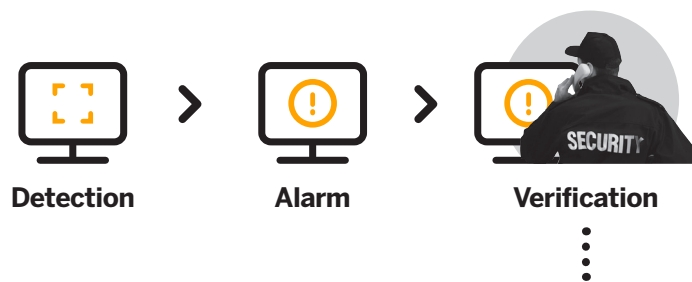
ClickThru™

Exclusive, simple, efficient system integrated in all alarm management software, CMS, VMS and PSIM.
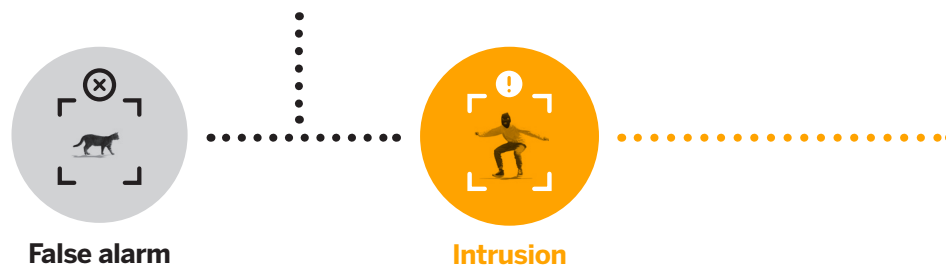
Click 1
Snapshot
highlighting the cause of the alarm.

Click 2
Vídeo Clip
Of the alarm at the activation point.

Click 3
Access
to the camera for immediate verification.

False alarm

Intrusion

Remote activation of deterrent measures

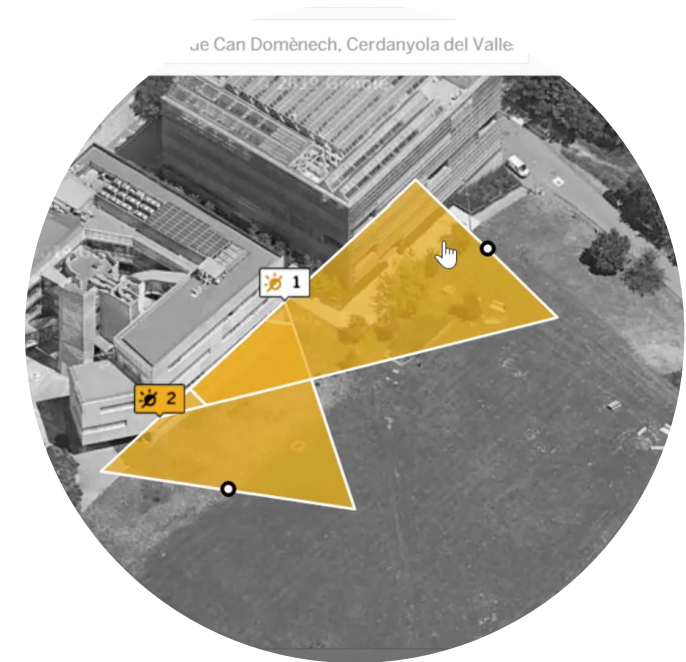Lights / Loudspeakers / Alarms / Police / Owner / Security

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

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Register free at davantis.com and design your projects

ue Can Domènech, Cerdanyola del Valle

Design

The easy way to design your security projects.

Technical reliability

Get it right the first time with our tool.

Here to help

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

Create projects with any type of camera by any manufacturer

Avoid blind spots, poor lighting or incorrect detection distances

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

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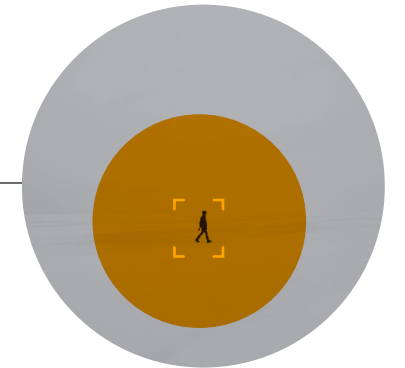More than 10,000 km of perimeter monitored with channels installed in more than 40 countries worldwide.

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.
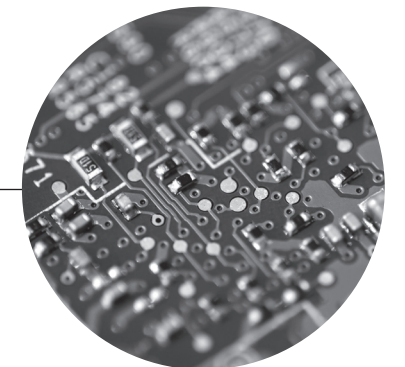Perimeter surveillance solutions for safer spaces.

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.
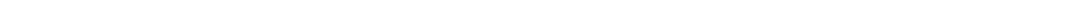
We plot the road to follow

—

+40 countries
represented

+10,000 km
of perimeter under surveillance

+15 years
specialising in R&D

DAVANTIS
Offices

**DAVANTIS
TECHNOLOGIES SL**
Barcelona · Spain
Madrid · Spain
Nice · France
Luedinghausen · Germany
Bogota· Colombia
Singapore

**DAVANTIS
TECHNOLOGIES INC**
Washington DC · USA

We are committed to making secure spaces

We are pioneers in video analytics and in developing new solutions.

We supply our own, innovative technology, compatible with every security system in the market.

Everything we do is high quality, and we are 100% committed to our customers to guarantee that all your projects are a success.

CPNI®
**Centre for the Protection
of National Infrastructure**

DFUSION &
DFUSION**PRO**

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