

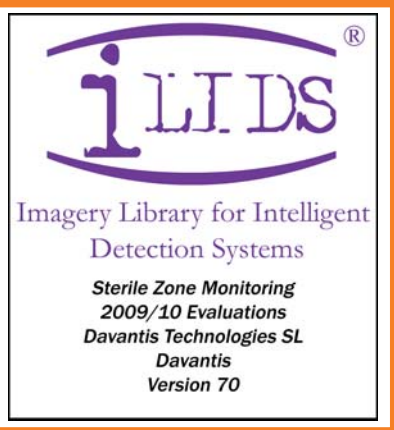


Video analytics professional solutions



DAVANTIS

# Automatic watching of security cameras



Davantis video analytics system has been awarded with the I-LIDS Primary Detection accreditation by the Home Office Scientific Development Branch (HOSDB).

The HOSDB is one of the few independent entities that make rigorous tests to video analytics systems worldwide. Until now, very few systems have been able to satisfy its strict evaluation criteria. Davantis Technologies has been the first non British company to receive this accreditation.



DAVANTIS manufactures innovative video analytics systems that analyze the images from security cameras and generate an alarm when a risky situation; in which segment DAVANTIS is a market leader. Our systems act as a “virtual watcher”.

DAVANTIS systems can detect the following features:



- **PERSON DETECTION.** Automatic detection of persons in a restricted area. Armed and disarmed from the intrusion alarm.

- **VEHICLE DETECTION.** Automatic detection of vehicles in a restricted area. Armed and disarmed from the intrusion alarm.

- **VIRTUAL BARRIER.** Alerts upon the crossing of a barrier drawn on the image. Entering and exiting control by adding a crossing direction.

- **LOITERING.** Detection of persons staying in a zone for an established period of time.

- **PARKED CAR.** Detection of cars parked in a controlled zone.



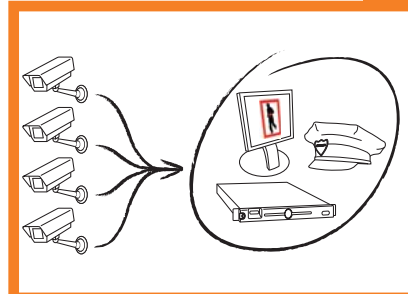
- **TAMPERING.** Detection of tampering on the security camera. Video loss, change of the camera position or blocking the camera view.



# Support to security personnel

The use of Davantis systems increases the efficiency of your security personnel. Upon an incidence detection, the system alerts the security guard, allowing for a faster preventive action.

Davantis video analytics systems are compatible with any existing CCTV system, and can work with analog or IP cameras.

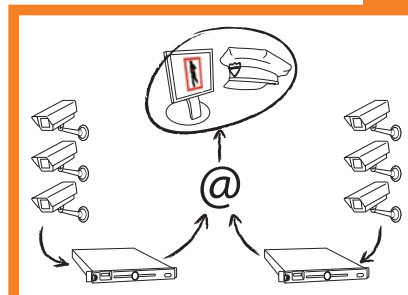


# Supervision From a Central Station

In case of not having security guards in site, the alerts can be sent to a Central Station using an Internet connection.

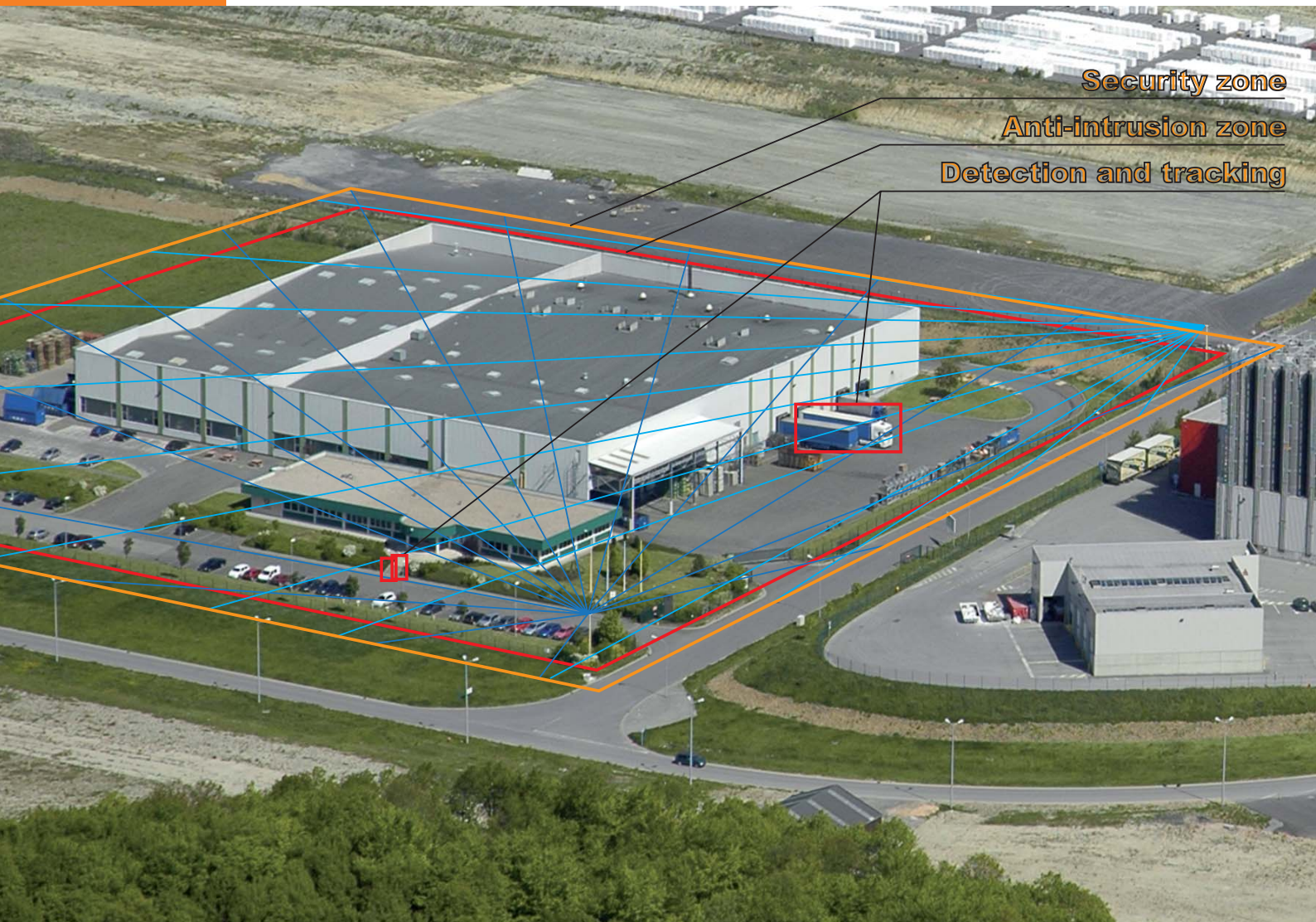
Upon a detection, the system will send an alarm to the Central Station, and will alert the operator to make him activate the security protocol. In case of an intrusion, the Central Station can remotely activate deterrent measures (sirens, lights, etc.).

Video analytics systems provide video verification by their own nature, and that permits the Central Station to filter out the false positives without bothering the customer, achieving this a highly reliable service.



# DAVANTIS

## The professional solution



Davantis systems for perimeter protection are designed to offer the best features at a very competitive price.

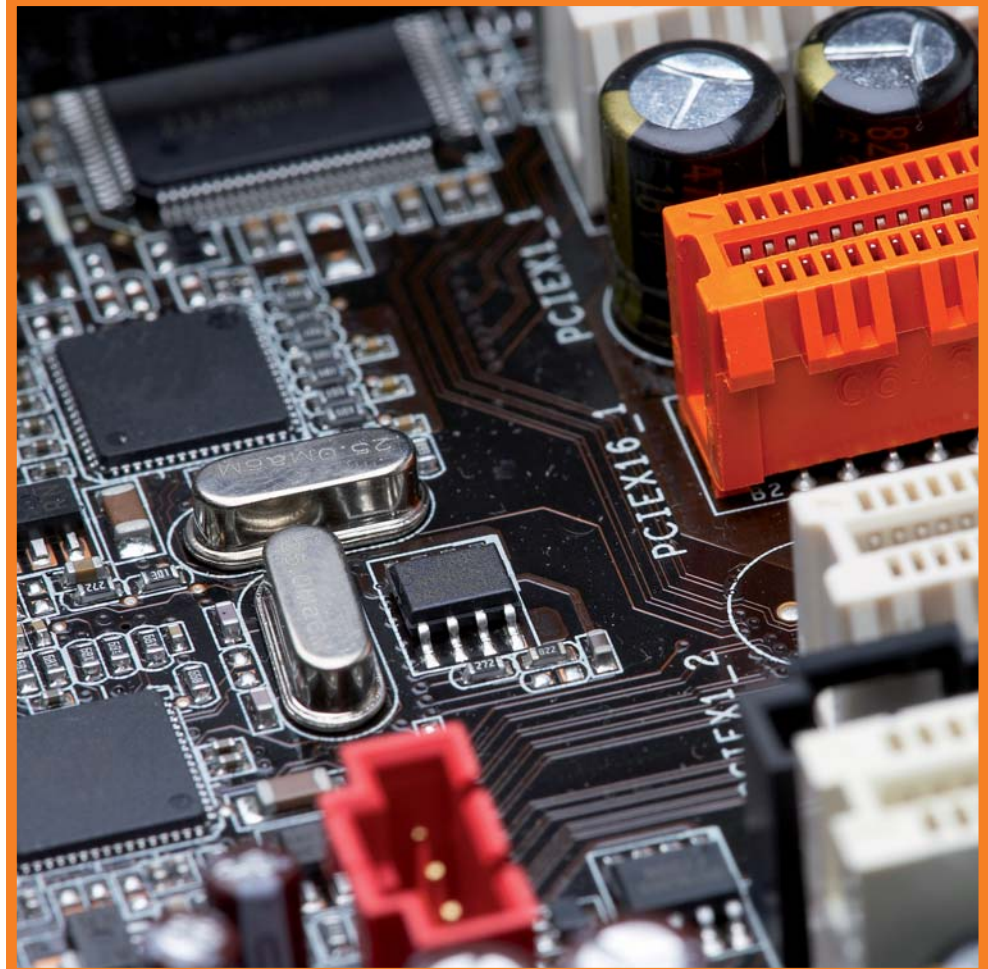
A detection system based on cameras offer the best protection because it can no be jumped. On detection, an image is automatically sent to the operator at the Central Station, who will be able to respond quickly to the intrusion because of the visual validation, with no need to call anyone.

Davantis systems allow having a centralized security guard at the Central Station, with equivalent performance and very low monthly costs.



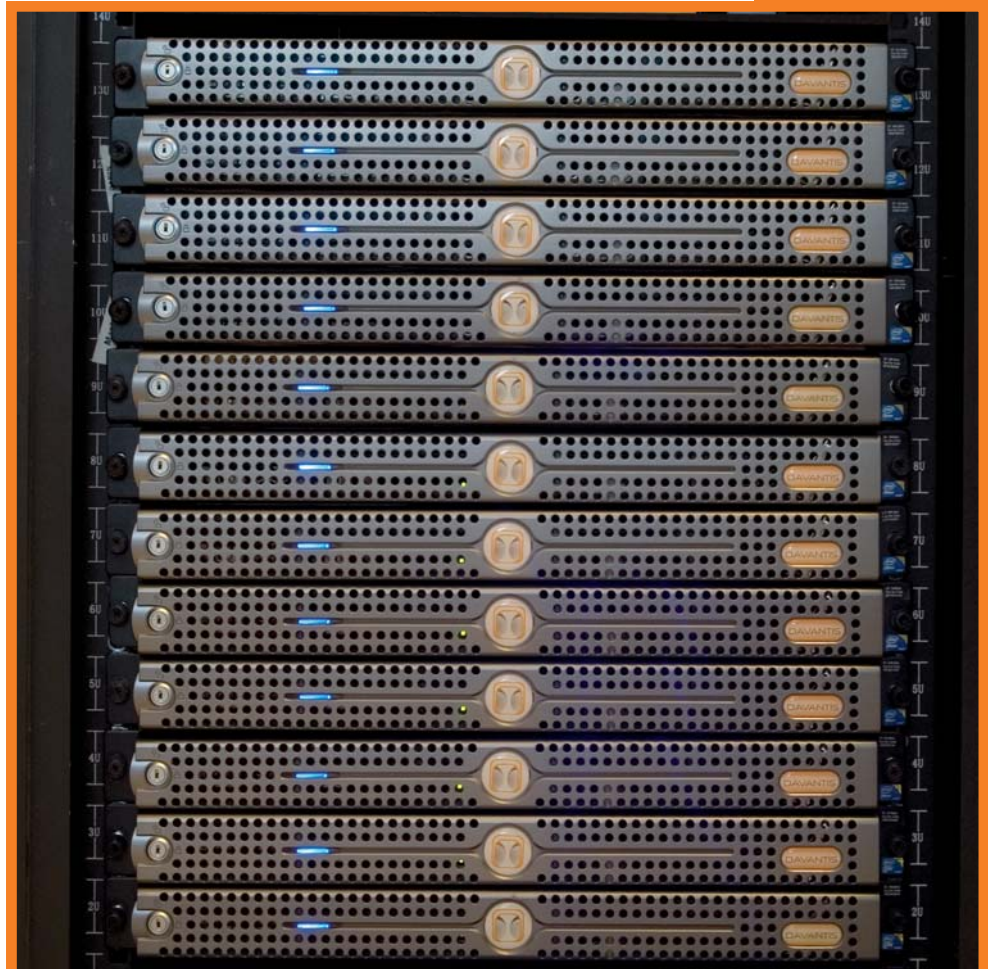
## MORE RELIABLE

The Davantis servers use CPUs 8 times more powerful than other systems in the market. A greater process capacity allows more complex algorithms and more reliable detections. Also, the servers are focused exclusively on video analytics, not sharing the CPU with a recorder or a camera. Instead of reducing the algorithms, Davantis has increased them to build the most reliable systems.



## BETTER MAINTENANCE

From a single screen, locally or remotely, you will be able to manage ALL the systems. Davantis servers use an internal protocol to auto manage with the directives you state. You will not have to access each machine one by one to configure it, and you will forget how many systems you have at the site. Everything will work as a single system.

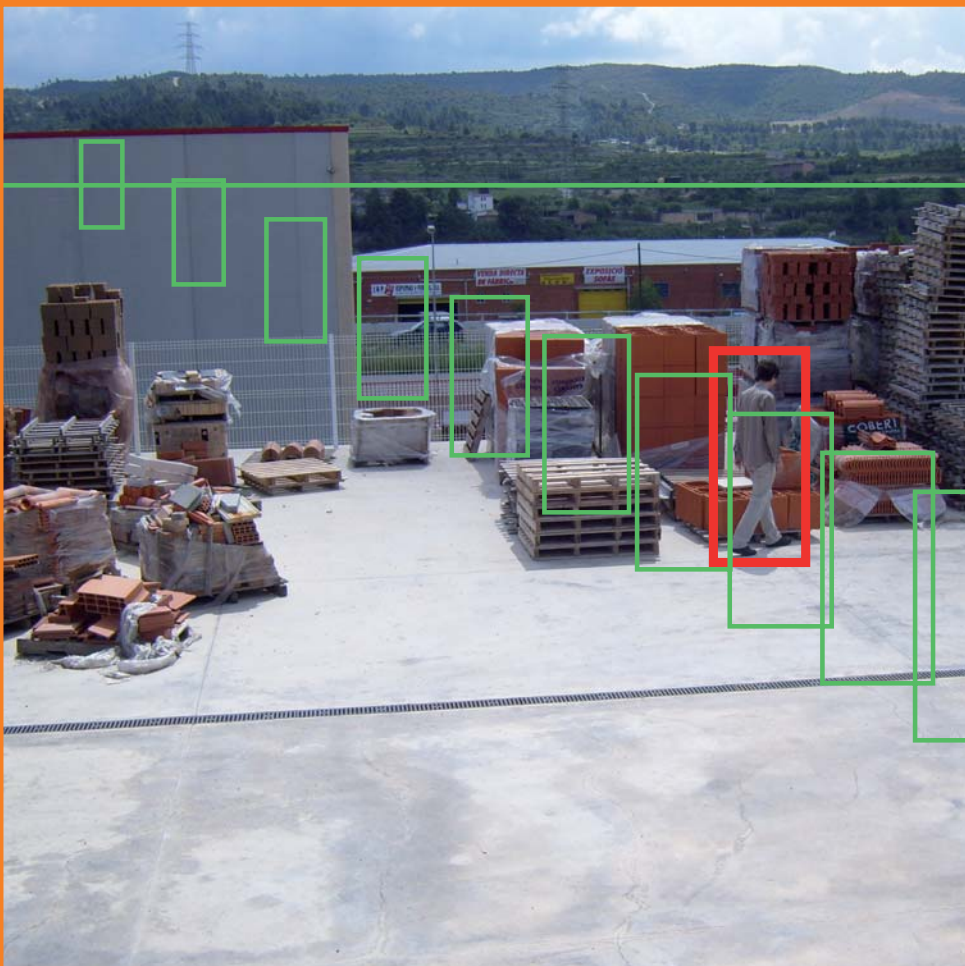






## COMPATIBLES WITH ANY MANUFACTURER

The CCTV market evolves very quickly, and not depending on a single brand of cameras or recorders is always an advantage. With Davantis you will keep the right to choose. You will also be able to add video analytics to existing CCTV systems with no need of changing anything.



## EASY CONFIGURATION

Davantis systems do not pass you the problem, instead they can automatically configure themselves using a learning process. The systems are calibrated just by walking over the scene, and then we just have to decide what do we want the system to detect. The analyzer already “knows” how a person or a vehicle is.



## REMOTE ACCESS

The systems incorporate a protected remote access capability, which allows for maintenance with no need for displacements. This feature will lower your transport costs and maximize your technicians efficiency.



## MORE SECURITY

Unlike other systems, camera based sensors can not be jumped or avoided. Video analytics system do not get tired of watching, 24x7, 365 days a year, keeping your properties protected with no added costs. The images of the alarms are sent to the security personnel, which allows the fastest reaction to intrusions.



# DAVANTIS AVR

## Video analytic alarms management for Central Stations



Davantis AVR has been designed thinking specifically on Central Station alarm management, and offers the fastest management, agile and intuitive for video analytic alarms. Davantis AVR is the system that will allow you to manage a large volume of alarms with no increase in your operator's volume of work.



## FALSE ALARMS FAST DISCARD

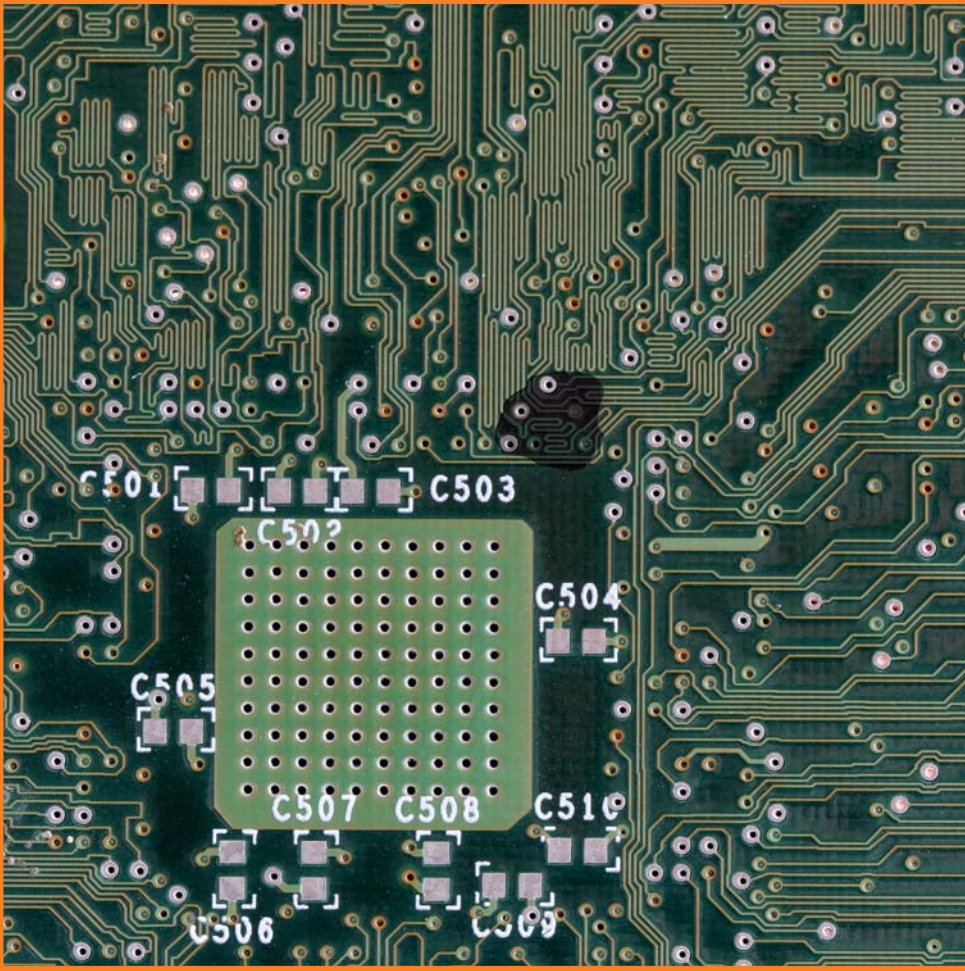
To manage video analytics alarms is imperative to discard fast and easily the false alarms, this way the false alarm volume do not represent a problem for the operators. Davantis has optimized the process and lets you discard a false alarm with just a mouse click, with no need to watch the video or connect remotely to a system.



## DETERRENT DEVICE ACTIVATION FROM THE CENTRAL STATION

To achieve real video verification, video analytics devices from Davantis send the alarms to Davantis AVR to be seen by the operators. In case of a positive alarm, the operator activates the alarm remotely, obtaining a security system totally precise.





## DEVICES TECHNICAL ALARMS

With Davantis AVR you will have all the information of your installation's state. The system supervise the network status, the video analytics devices status and even the cameras status. With Davantis AVR you will be able to guarantee your customers their facilities security.



## VIDEOS AND LIVE CAMERAS VIEWING

The system offers the operator all the needed tools to manage video alarms. First an image permits the discarding of false alarms, but if needed, the operator can ask for the alarm video, and even to view live cameras.



## OPTIMIZED USE OF NETWORK BANDWIDTH

The system's architecture is designed to work with limited bandwidth. A messaging based protocol prevents a collapse of the Central Station communications because of video traffic.



## INTEGRATION WITH ALARM MANAGEMENT SYSTEMS

Davantis AVR is an open system, which can be integrated with the alarm management systems and allows a single screen for the management of any type of alarm.





### PRODUCT RANGE

#### Video Analytics System.

**Detections: people, vehicles, intruders, others**

#### DAVIEW HYBRID

I/O: 4 inputs, dry-contact

Cameras: analog (PAL), IP (check compatible manufacturers)

- DV02 Hybrid Server, 2 channels
- DV04 Hybrid Server, 4 channels
- DV06 Hybrid Server, 6 channels
- DV08 Hybrid Server, 8 channels

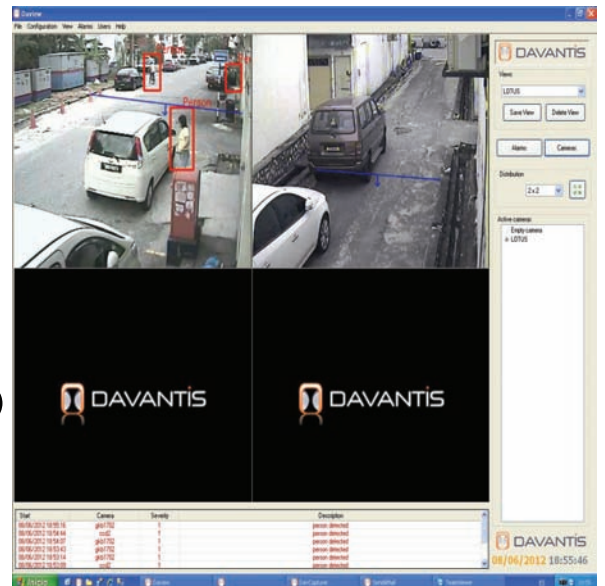


#### DAVIEW TS

I/O: 4 inputs, dry- contact

Cameras: Thermal. Flir is highly recommended

- DVTS2 IP Server, 2 channels
- DVTS4 IP Server, 4 channels
- DVTS6 IP Server, 6 channels



#### AVR RANGE

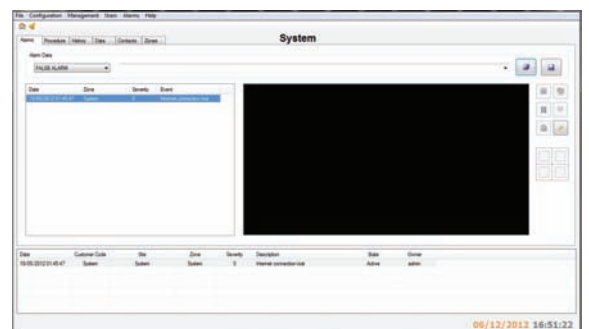
Video alarms Managing system for Central Stations

- AVR10B Alarms Managing Software (10 subscribers)
- AVR10 +10 subscribers pack
- AVR100 +100 subscribers pack
- AVR1000 +1000 subscribers pack
- AVR5000 +5000 subscribers pack
- AVRST Server hardware

#### ACCESSORIES

Relay outputs, dry-contact. See protocol compatibility.  
Max. Consumption: DC24V 3A, AC120V 3A

- REL4I Relay, 4 N/O Internal
- REL8I Relay, 8 N/O Internal
- REL4E Relay, 4 N/O o N/C External
- REL8E Relay, 8 N/O o N/C External
- REL16E Relay, 16 N/O o N/C External



Enquiry contact: [sales@lotusaction.com](mailto:sales@lotusaction.com)  
Visit website: <http://www.lotusaction.com>





## DAVIEW HYBRID VIDEO ANALYSIS SYSTEM



**DAVIEW HYBRID** is the Video Analytics Server that integrated with existing Video surveillance system. It allows the system to:

- Identify people or vehicles around the perimeter to protect.
- Detect an intrusion in your premises when it is happening, so reaction can be on time.
- Detect the crossing of a virtual barrier defined by the user.
- Watch the cameras remotely over Internet.

### KEY FEATURES

- Discrimination between people and vehicles.
- Automatic filtering of other elements (light changing, plants moving, rain, etc.)
- Viewing incidents quickly and intuitively.

### BENEFITS

- More coverage of detection than other sensors.
- No false alarms to the customer: the Central Station
  - calls only in case of a real incidence (video verification)
- Privacy: You control the operator's access to the cameras.
- Armed and unarmed from the alarm keyboard.
- No installation of barriers or other sensors.

### Technical Specifications

Video detections	Person, vehicle and intruder	<b>Dimensions</b>  <b>TOWER</b> 35,4 x 16,9 x 42,7 cm  <b>RACK</b> 1U, 4,3 x 44,7 x 54,6 cm  <b>Maximum weight</b>  9,53 Kg  11,8 Kg  <b>Power</b>  300W  345W
Compatible cameras	Analog or IP	
Video inputs	2, 4 or 8 – BNC connector	
Security rules For camera	Unlimited	
Detection range * Check other lenses and ranges	Max. 176m (50mm lens)	
Video recording	MPEG4, PAL, CIF, 9 fps/ch, pre and post alarm	
Input activation signal	1 TTL input for channel	
Network connection	Ethernet 10/100/1000	
Communication protocols	TCP/IP, SMTP	
Input ports	900, 5500, 21000 (configurable)	
Output ports	9034, 465 (configurable)	
Alarms management software	Supervision application (preinstalled)	
Supervision kit (optional)	Monitor 19" (VGA) Keyboard and mouse (USB)	
Alarm outputs (optional)	2, 4 or 8 N/A internal 4, 8 or 16, N/A or N/C external	

specifications are subject to change without prior notice

**DAVIEW AVR** is designed to manage Video Analytics alarms, and is solution for Alarm Central Stations. When a detection occurs the image is automatically sent to the Central Station operator, who can respond quickly to the intrusion by visual validation, without calls to the subscriber.

**DAVIEW AVR** acts as a VIRTUAL GUARD, and save money on security personnel with equivalent performance and very low monthly costs. Video analysis systems operate exclusively from the camera images without having to install any other sensor on the perimeter, and thus allowing for savings. The same cameras used to monitor the perimeter will allow user to monitor facility at any time and from anywhere in the world through Internet. The same installation of CCTV will be used to actively monitor intrusions, without additional costs.

System features include:

- Fast handling of alarms.
- Optimized bandwidth consumption.
- Subscribers privacy protection.
- Quick and flexible alarms validation
- Extended services for the subscriber.

**KEY FEATURES**

- Multiple operators
- Redundancy
- Security user profiles
- Connection test every 3 minutes.
- Actuation protocol
- Live video
- Remote activation of devices from the Central Station
- No false alarms to the subscriber

