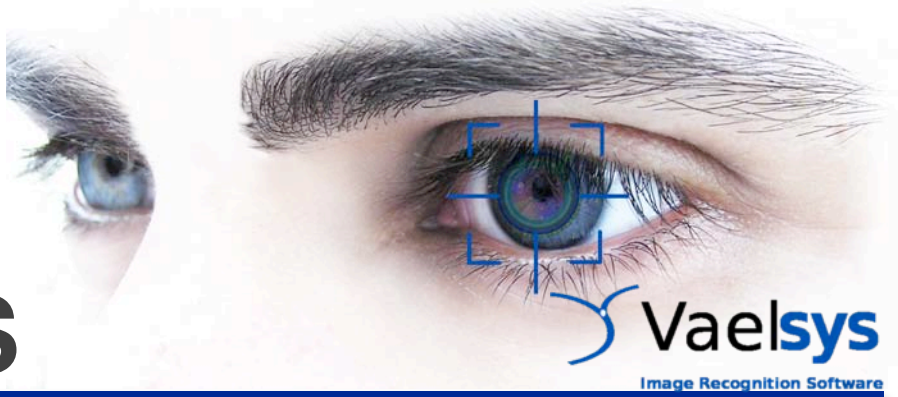
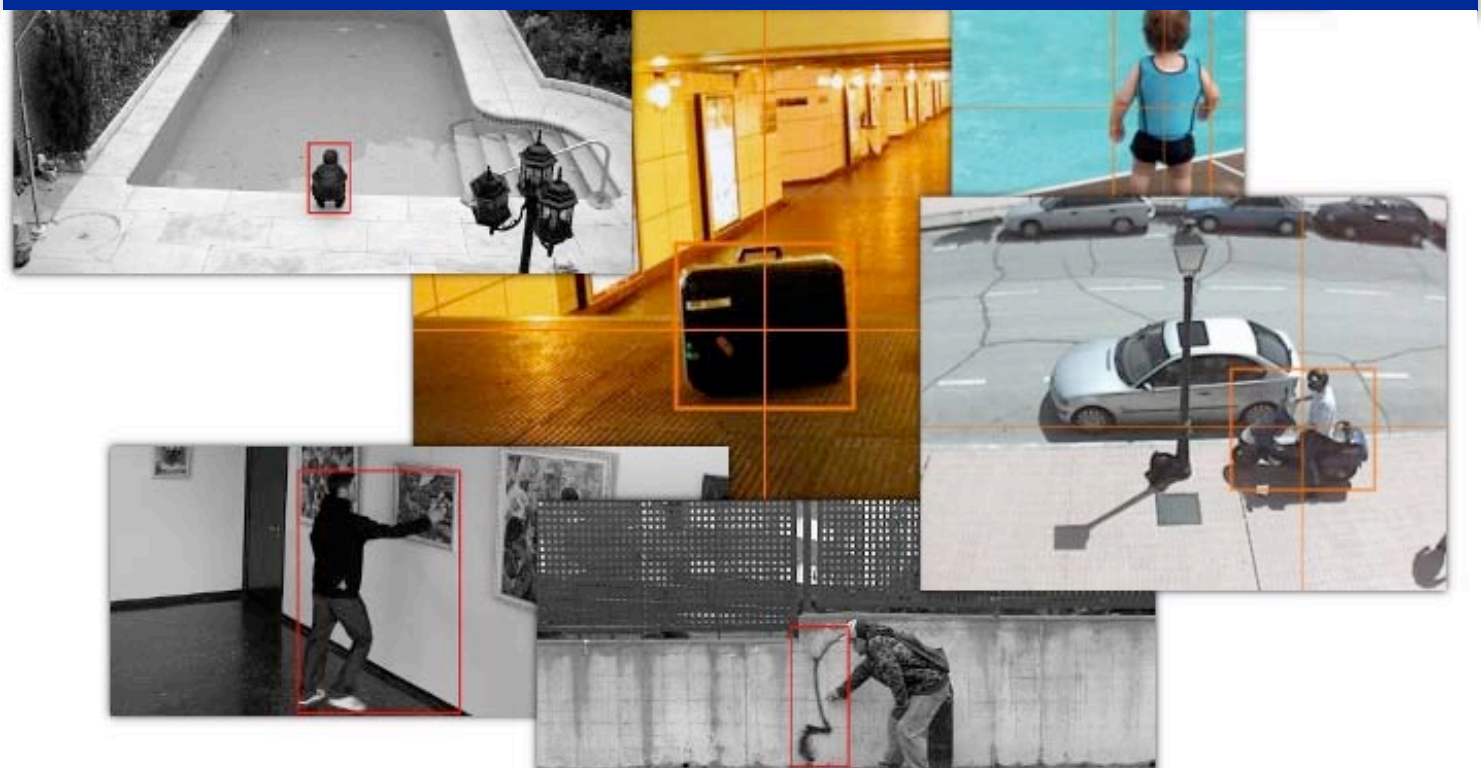
Detecting and monitoring elements on video

ViFence3 ANALYTICS

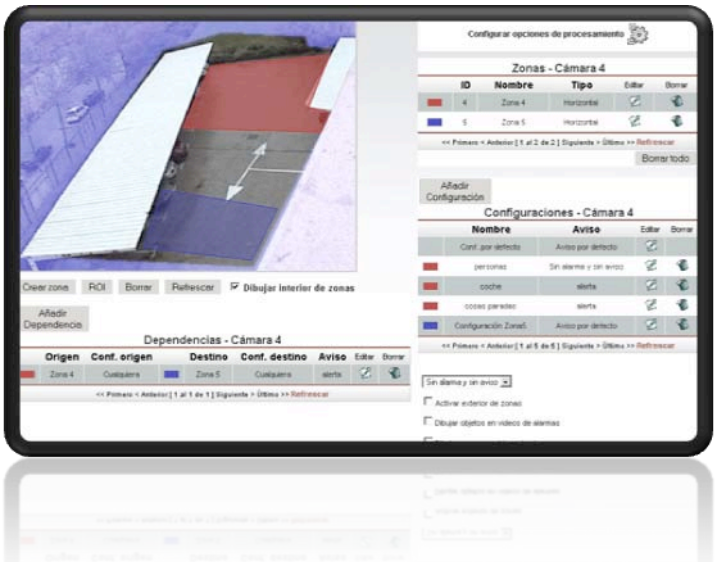




ViFence Analytics is the most robust and performing element detection and monitoring solution currently available. The Analytics algorithms have been specially designed to automatically adapt to many different environments. The need to set parameters has been reduced to a minimum, and configurable components have been simplified, so that the best results can be obtained from the start. Performance has also been optimised to analyse the highest number of video channels per hardware unit.

What can be detected?

- Differentiates between people, vehicles, and other objects.
- Detects objects that enter or leave a zone.
- Detects objects that move from one zone to another.
- Detects objects that stay in a zone for longer than a specified time (loitering).
- Detects objects that have been abandoned in an area for a time
- Detects objects that have been removed from a zone
- Detects camera sabotage (moved or blocked).
- Detects loss of camera signal.



Vaelsys

Data Sheet

Compatible with: ViFenceStryker, ViFence Booster.
Management system: web 2.0.
Changes in lighting: It adapts to dynamic changes in lighting outdoors caused by the sun's movement, a high percentage of shadow, clouds, etc.
Cameras: Analytics supports cameras with the following characteristics:

- Analogue and IP
- At a minimum, CIF resolution
- Varifocal 1/3" 4-12 mm optics
- Infrared for night vision
- Colour
- Black and white
- Thermal Cameras

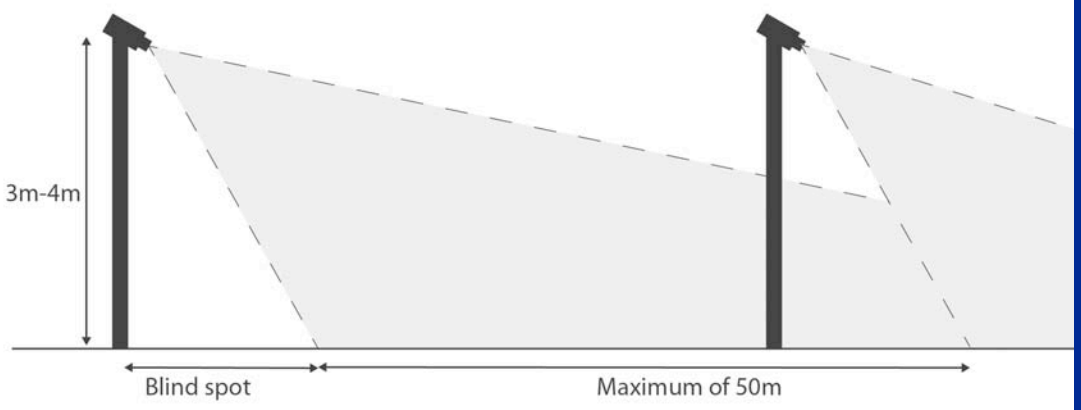
Installation recommendations:

- It is advisable to install the infrared source separately from the camera (i.e. not to use cameras with infrared source included).
- The infrared sources must be sized to correctly illuminate the area where movement is to be detected.

Distance: In order to ensure a high probability of detection, it is not advisable to try to detect objects more than 50 metres away. If the lighting at night is sub-optimal, this distance is reduced to 40 metres.
Camera height: Between 3 and 4 metres.
Pre-alarm zones: Defining preventive actions in the first ring of security.

Unlimited numbers of virtual intrusion zones: Both vertical and horizontal.
Polygonal zones: Zones can have any number of sides, so the zone can perfectly reflect the terrain or interior space where surveillance is to take place.
Defining the volume of the object that causes the event, so that it is possible to differentiate between people, vehicles, objects, etc.
Infinite number of configurations per virtual zone, in order to distinguish between different types of event in the same intrusion area.
Configuring the point of control for the object to be detected.
Directionality between virtual zones, detects elements that move from one zone to another, without these needing to be contiguous areas, and thus multiplies the options and improves the potential of any other tripwire-based product.
Configuring the time an object may remain, in order to detect abandoned objects, parked vehicles, loitering, etc
Automatic filters, through which the system can self-adjust to most environments.
Advanced filters reduce the rate of false alarms outdoors.
Detects sabotage: Blocking, movement and loss of signal.
Warnings associated with a given configuration.
Integration with:

- Electromechanical devices
- Third-party VMS systems



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