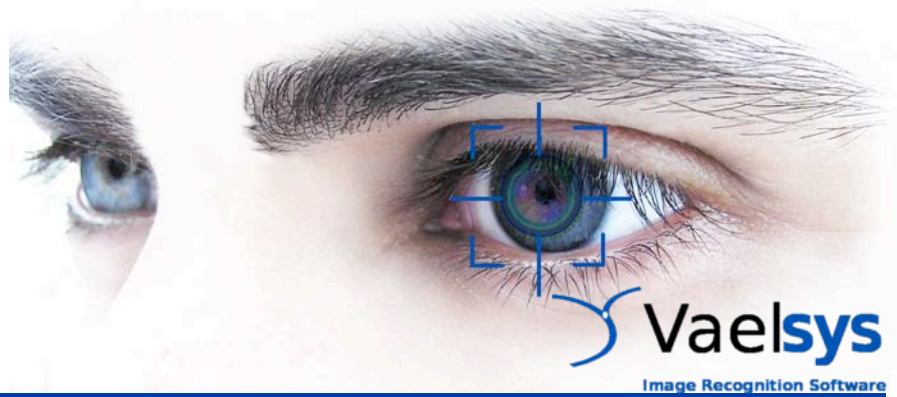


License plate recognition

# ViFence3 LPR



ViFence LPR is the license plate reading system which integrates with the ViFence intelligent video platforms. A wide range of configurations and actions related to reading license plates for access control, barrier control and alert generation.

The integration of ViFence LPR with the Vaelsys intelligent video platforms allows both systems' functions to be integrated, to provide, for example:

- Web access
- Generating alerts and sending them to an Alarm Reception Centre (ARC), VMS and/or email
- Activating electromechanical components as a result of detection (sending alerts to an ARC, VMS, email, to activate electromechanical components and/or generate conditional alerts, etc.)
- Recording by event
- etc.

Solutions can thus be offered that meet complex requirements to quickly and intuitively control and manage vehicle access and parking.



## User and installation management

- **User management**, managing each user's personal data: names, ID card numbers, several vehicles per user, license plate, car colour and model, etc.
- **Multiparking**, multiple car parks can be controlled from a single system, with independent license plate lists.
- **Parking space management and occupation control**, controlling both the occupation level of the different car parks and parking space assignment.

## Vehicle management

- **Configurable license plate lists**. The user can create as many lists of vehicles as may be required (including black lists, white lists, special lists, etc), and add as many license plates to each as may be required.
- **International license plate support**.
- **Length of stay**. The user can define how long a vehicle can stay in a controlled area and generate alerts (to the alarm control centre, and via SMS, email, etc) if this is exceeded.
- **Temporary access management**.

## Data use by other applications

- **EXCEL import and export**, license plate list management is facilitated by easy and intuitive importing from spreadsheets or exporting to them.

# The application



Full web management, for quicker and more flexible management and IT maintenance cost savings.

Fast searches in the log for fast and intuitive access to any video or any vehicle access.



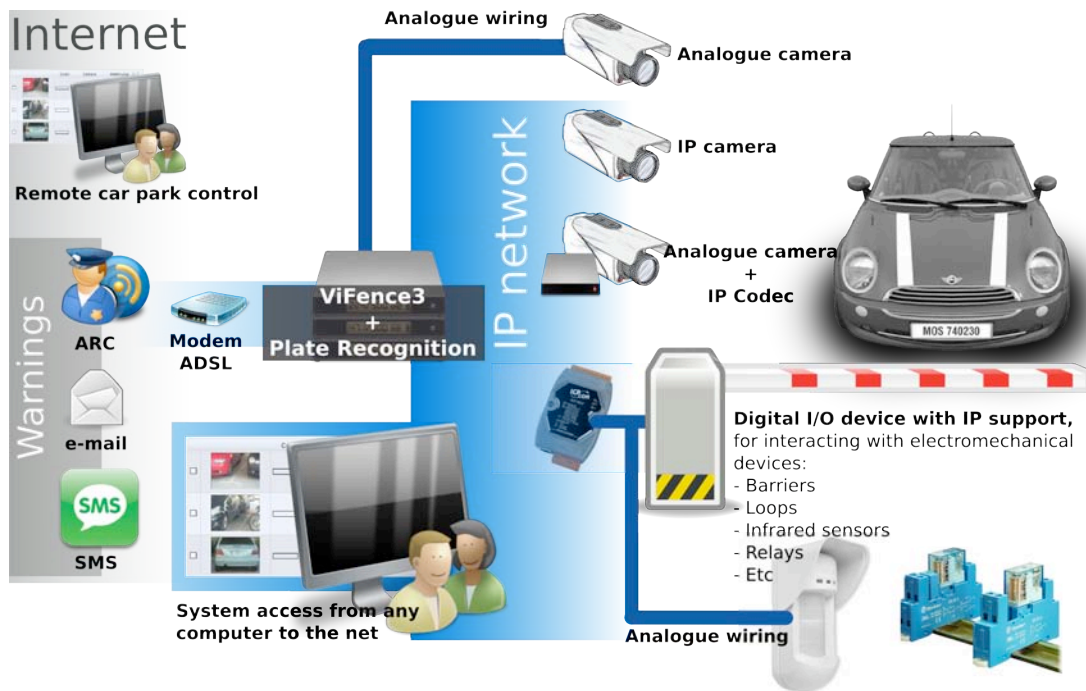
Real-time access to the cameras associated with the system, and to all the information on the status of its infrastructure.

License plate recognition for access control or on public roads. Fully integrated with IP solutions.



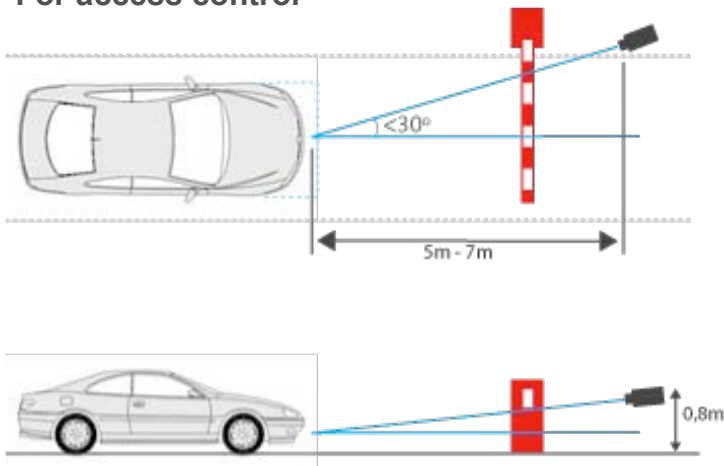


# Architecture



# Installation

## For access control



## On public roads

- Cameras can be installed on public roads at low level (1 m above the ground) or attached to traffic lights or gantries.
- The camera must have a clear view of the license plate.
- Since it is a hybrid system that supports both analogue and IP cameras, WIMAX-type IP technology can be used for the communications between the cameras and the server.

# Camera characteristics

- To capture the number plates of moving cars when the communications are via IP, the communications must have sufficient bandwidth to capture the moving car for the whole of its run.
- The camera shutter speeds must be fast enough to clearly display the moving cars.
- The camera's white balance must be able to cope with headlight glare and sunlight glare.
- It is advisable to use a colour camera by day, and black and white with infrared capability at night.
- It is advisable to use cameras recommended by the manufacturer as suitable for license plate recognition.