



# LPR DETECTION

LPR IS AN IMAGE ANALYTICS APPLICATION THAT WORKS ON AN ANALYTICS SERVER AND WHICH ALLOWS THE READING OF REGISTRATION PLATES OR ADR AND UIC CODE. THIS SOLUTION USES AN ARH LIBRARY FOR OPTIC CHARACTER RECOGNITION.

**LPR** is a solution that allows you to detect and read a license plate when entering and / or exiting a site, parking lot or on the road. Thanks to our **DataManagementPlatform**, it is possible to record the plate or to report events to a VMS. Reading of ADR and UIC codes is also possible.



## FEATURES

- Very fast and easy setup
- License plate, ADR and UIC code reading
- Integration of results in an operating interface
- Ability to detect different targets
- Robust to shadow and other light artifacts

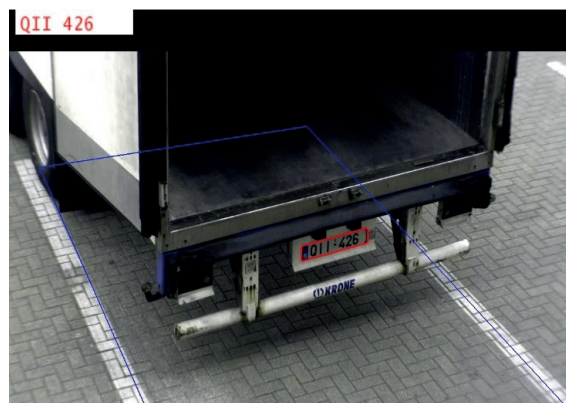
## ADVANTAGES

- High detection performances
- Integration of the results in the **Data ManagementPlatform** for centralization and use of data
- Send analytics events to a VMS
- References in many sensitive projects
- Very robust to changing outdoor conditions
- Direct and flexible support

## APPLICATION

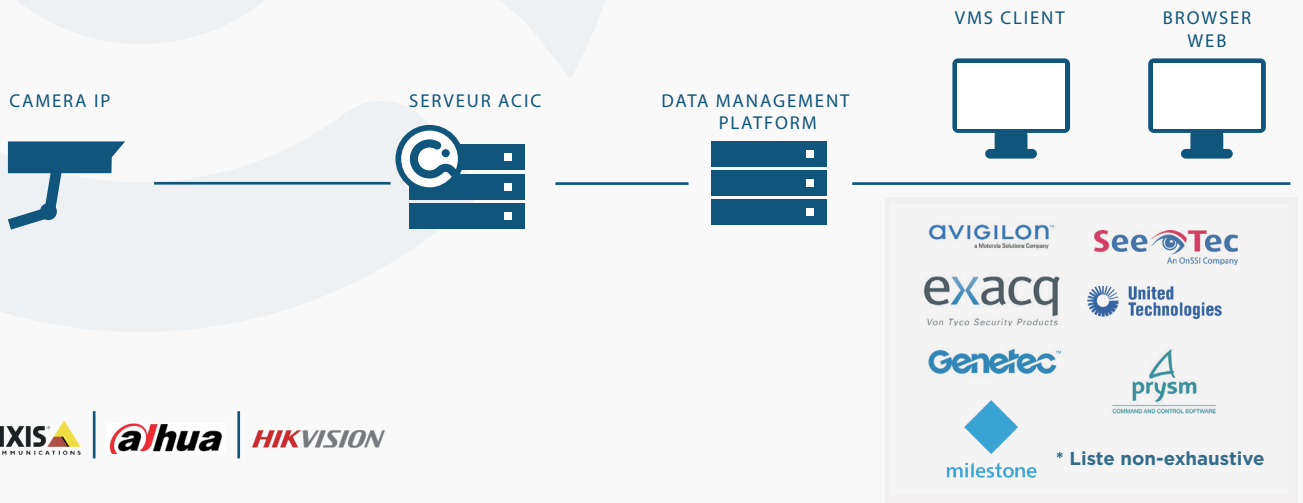
This solution allows the reading of plates in different types of environments and on different types of targets:

- Reading of license plates at the entrance and exit of a car park and calculation of time spent inside
- Reading of ADR codes on a truck or wagon trailer
- Automatic detection of badly parked car in the street and reading the vehicles license plates
- Checking the plates of a truck (tractor) and its trailer

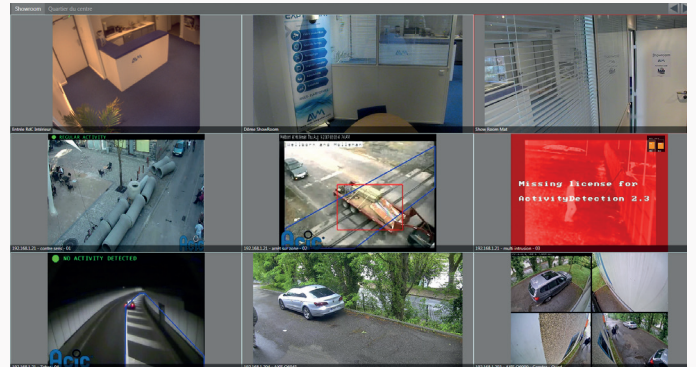
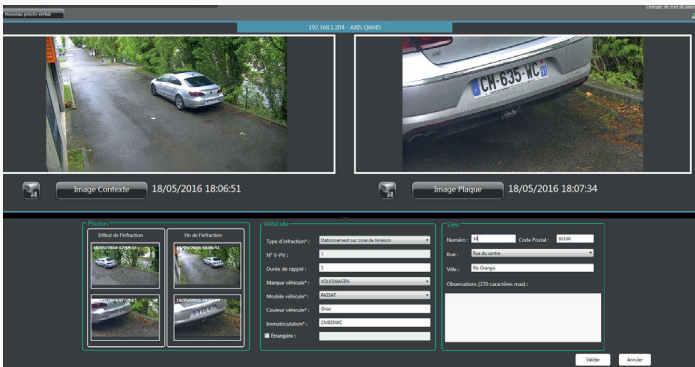


# ACIC LPR DETECTION - SOLUTION INTEGRATION

In order to optimize the use of counting results, it is possible to integrate them into the operating environment: The **DataManagementPlatform** (DMP). This DMP is our interface for centralizing the counting data generated. This tool is provided as a VM (linux) and can be deployed on the analytics server. It provides an overview of a site as well as its count results. ACIC solutions are fully integrated with the main VMS solutions.



## SCREENSHOTS



## RECOMMANDATIONS

To accurately read the plate, the characters must have a sufficient size. An average height of 16 pixels and a line width of 2 pixels on the characters is recommended. Moreover, the viewing angle must be good enough to correctly distinguish all the characters.

Other general recommendations are also in order:

- Using a camera dedicated to LPR
- A good contrast between the characters and the background
- A sharp image without blur
- Low distortion
- Stability of the camera
- At night: enough lighting