Qognify VMS License Plate Recognition

Optimizing the flow of vehicles

The Qognify VMS LPR module helps secure driveways and parking areas and manage them more efficiently. It reads international license plates, compares them with a database and, if necessary, enables automatic actions – making the work of security staff much easier.

Thanks to a large number of features and fine-grained configuration options, Qognify VMS LPR can be adapted to a number of specific requirements to better support processes – saving time and money.

Fields of application

The most frequent use case for Qognify VMS LPR is the management of driveways and parking areas. It can even be operated across several sites.

But the range of applications exceeds mere security applications. For example, it can be used by car rental companies to visually record the date and exact time of car returns outside regular business hours.

It can also be used for marketing purposes, e.g., to understand how many customers come from particular countries or regions. This facilitates the optimization of geo-targeted campaigns.

Qognify VMS LPR module with NumberOK technology

Leveraging NumberOK technology, Qognify VMS LPR offers a cost-effective and easy-to-use solution to automatically detect and read number plates. Its areas of application include automatic entry and exit control, parking lot monitoring and license plate recognition at speeds up to 240 kph (149 mph) for many international license plates (including all U.S. states and most European countries).

The solution is characterized by ease of use and fast commissioning, as no additional sensors and costly cabling are required to detect vehicles. It is a server-based solution, and one camera can monitor up to four lanes simultaneously.

All detected license plates are recorded in a database with corresponding image data. License plates can be registered in a master database with individual attributes such as name of the company or driver. They can also be assigned to customizable authorization groups (lists).

Depending on which list a license plate belongs to, particular rights can be granted or events can be triggered. If, for instance, a car with an authorized license plate (e.g., an employee's car) approaches a driveway, the gate will open and the car will be allowed to pass. However, if the license plate is not known to the system, an alarm recording can be triggered and a voice connection to the doorman can be established via Qognify VMS, using a SIP-based intercom unit.

In addition to access authorizations, which are valid indefinitely, time patterns can be created and one-time or recurring authorizations (tickets) can be assigned. When, for instance, a customer visits the company, an electronic ticket can be created within Qognify VMS that is valid for the duration of the visit, allowing the use of the company's parking zone – but only within business hours (time pattern).

If needed, Qognify VMS LPR allows the import and export of CSV-based data as well as the automatic exchange of master data and detected number plates with third-party applications based on XML technology. This way, detected license plates can, for example, be handed over to an access control system.

Automatic license plate recognition
even in moving traffic

Control of vehicle access and flow
based on defineable lists and tickets

Data export capabilities
to connect with third-party applications