

QENTRY 2.0



Software for the management and control of vehicle access.

Main functionalities

- Web-based multi-operator software with customisation of permissions
- Possibility of configuring parking areas with multiple inputs and outputs
- Setting up and managing multiple tariff plans
- Registered user management, also for users with several vehicles
- Possibility of registering users with expiring accounts
- Management of user categories
- Number plate list management
- Customising the number of reserved seats by category, user, list or vehicle type
- Possibility of authorising access to non-registered vehicles upon exhaustion of non-reserved seats
- Anti-passback function
- Notification of prolonged stay in the parking area
- Notification of rapid passage through the parking area
- Notification of return to the area within a short time, with the possibility of continuing the previous stop
- Automatic and on-demand report generation with possibility to include transit images
- Automatic calculation of the parking tariff according to the defined tariff plans
- Display of vehicle master data and description
- Real-time display of parking area status, with total occupancy and for each type of reserved space
- Intelligent search in license plate history, users, categories, passage point and control area
- Customisable actions for each type of event
- Automatic synchronisation of master data and lists with external sources
- Integration with Telegram messaging system for sending notifications to the system administrator or users
- Possibility of integration with third-party systems



PARKING
for automated management of the entry of subscribers or paid customers.



ENTITIES & MINISTRIES
for the management and control of only those entitled to the public structure



COMPANIES
for access control of employees and parking spaces reserved for customers



HOTEL
for customer parking service, eliminating remote controls, badges or personnel



CAMPING
for controlling vehicle entrance, where the customer has only one reserved parking space



RESIDENTIAL COMPLEX
to control the parking spaces available in the residential complex, by family group

Qentry is a multi-user web-based software designed for managing parking spaces in private, paid, residential or municipal car parks. This module is useful for those seeking to create a vehicle administration and access control system, with permit management functions, schedules, for counting stay costs or for managing special types of customers.

In application contexts, where only one vehicle of the family group is allowed to enter, in order to manage a limited availability of parking spaces, which may take place in some residential or camping complexes, Qentry presents itself as the ideal solution to solve this type of problem.

Upon reaching the maximum number of places available, Qentry inhibits entry to additional vehicles of the family group, enabling entry only when a parking space assigned to them is freed. A special light signal column, connected to the software, displays the availability status of the parking spaces.

Qentry is capable of handling special categories of vehicles (ambulances, Law Enforcement, suppliers or special customers) that can automatically enter, regardless of the set time conditions.

TECHNICAL FEATURES

General

- Operating system: Windows 10, 11, 2012 or 2016 Server.
- Versions available for up to 49 entry/exit plate reading cameras.
- Demo version with 2 cameras for a maximum of two hours of use.
- Integration with third-party systems through 'calls' and interfaces.
- System administration with user and permissions management.
- System log recording and management.
- Compatibility with Selea number plate reading cameras.

Recording

- Recording formats: JPEG
- Record up to 49 plate reading cameras.
- System log recording and management.

Security

- System administration, user and permissions management.
- User rights:
 - historical consultation
 - registration of new users
 - modify existing users
 - manual user entry/exit
 - user exit authorization
 - emergency opening of access areas
 - report export
- Software runs as a Windows service and not as a program.
- Management of views for each individual user.
- Access management for each individual user.
- Entire system backup and restore.

Event and alarm management

The events and associated actions foreseen by the software are:

SETUP EVENTS:

- Entry permitted – registered users
- Entry permitted – unregistered users.
- Exit allowed – registered users.
- Exit allowed – unregistered users.
- Free transit through a gate.
- Access not permitted.
- Exit – prolonged stay in the parking area.
- Exit – transit too quickly in the parking area.
- Input pass-back
- Exit pass-back.
- Return to the area within a certain time.
- Full area
- Generic license plate reading from one of the configured gates

ACTIONS THAT CAN BE ASSOCIATED WITH EACH EVENT

- Instant acquisition and storage of transit
- Instant acquisition and storage of any context camera
- Output activation (integrated on camera or on ModBUS/TCP PLC) for gate opening
- Request operator intervention via popup
- Visual popup notification
- Print receipt
- Activation of output on ModBUS/TCP PLC for transit permitted signaling
- Activation of output on ModBUS/TCP PLC for unauthorized transit signalling
- Activation of output on ModBUS/TCP PLC for full area signalling
- Activation of output on ModBUS/TCP PLC for closed area signaling

Searching and Statistics

- Search the database, filter by time period and/or number plate. Exportable to CSV, for:
 - by time frame
 - plate with smart filters
 - area of relevance
 - transit direction
 - gate
 - owner of the vehicle
 - category
 - event (allowed and denied access, passback, ...)

Possible export to CSV and data images

- Manual or automatic daily reports with:
 - status of parking areas
 - daily admissions
 - daily stops (entry/exit).
 - complete daily history
 - Recorded quick passes
 - prolonged stops

Possibility of saving reports with images and sending via email

Qentry functions

- ▶ Create user accounts with:
 - Full personal details
 - Account validity period (e.g. seasonal users or following account pre-registration)
 - Option to associate multiple number plates/vehicles to each user (e.g. family group) and limit the number of family group users that can enter
- ▶ View and record the driver's face and vehicle details using one or more cameras.
- ▶ Associate the transit with personal data (user photo, address, telephone number, notes, etc.) and the description of the type of car owned by the user for correct access control (e.g. number plate copied and mounted on a different vehicle).
- ▶ Enable access to parking areas with weekly scheduling, customizable according to parking area, category or individual user.
- ▶ Assign the number of spaces reserved for users or categories (management of VIP spaces, season tickets and guests) with the option to grant access when the assigned spaces are full.
- ▶ Prevent the access of vehicles when the maximum number of assigned or available spaces has been reached.
- ▶ Enable access for a limited number of unregistered users.
- ▶ Automatic or manual opening of barriers using outputs integrated in the cameras, or direct integration of ModBUS TCP/IP PLCs to open the barrier or traffic light signal using two separate outputs.
- ▶ Create special categories with free access (e.g. service vehicles or security patrols, including with weekly hourly scheduling) or categories that are always denied access.
- ▶ Calculate the hourly fee for use of the parking area, customizable according to user/category.
- ▶ Enable manual exit from the area, with indication of the parking fee payable.
- ▶ Configure the free exit time during which vehicles can exit free of charge after having entered.
- ▶ Entry/exit with manual operator intervention.
- ▶ Option to open the parking areas completely for a limited time (e.g. in an emergency or limited free entry period).
- ▶ Audible and visual signalling of atypical events with the possibility of manual operator intervention.
- ▶ Customizable receipts, with the option of incorporating a barcode or QR-code indicating transit information.
- ▶ Real-time status display of parking areas.
- ▶ Create 'alias' entries for number plates to allow the transit of vehicles with plates that are damaged or difficult to read.
- ▶ Intelligent log search for number plates, users, categories, crossing point and area monitored.
- ▶ Export events according to search criteria in CSV format for statistical analysis or customized checks.
- ▶ Export/import users' personal data in CSV format.
- ▶ Automatic deletion of transits from the database, as required by data protection regulations or to free up memory.

About us

SELEA manufactures and implements solutions both for vehicle access control, as well as for territorial safety and traffic control. Each hardware and software product is rigorously designed and manufactured by Selea and this means, for the customer, to benefit from complete and continuous technical support at any time.

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