



Designa ELEMENTS SOFTWARE - ADD-ON TICKETLESS

With the ELEMENTS SOFTWARE ADD-ON TICKETLESS you upgrade your DESIGNA parking system with integrated licence plate recognition to include the functions required for completely ticketless operation.

The DESIGNA ticketless solution offers various concepts for ticketless parking. In this way, the best possible balance between vehicle throughput and revenue maximisation, customer experience and minimisation of manual interaction can be achieved for each location and car park operator.

Select the most advantageous for you from three operating modes.

DESIGNA HYBRID MODE

Functionality

Hybrid mode is a combination of ticketless and ticket-based operation and is a convenient security solution when the licence plate is difficult to recognise, e.g. due to dirt, temporary covering or damage.

If the licence plate can be recognised by the LPR system, the barrier opens automatically.

If the recognition rate is poor, the parking system switches to ticket processing mode.

A barcode ticket is then issued at the entrance control terminal, which can be used for payment and exit.

This ensures that the car park customer can enter even if the recognition rate is poor. The operator can optimally adjust the sensitivity of the licence plate recognition in the system to the location and the environmental requirements.

If the recognition accuracy falls below the set minimum value, no automatic access is granted via the licence plate. This immediately eliminates critical licence plate readings at the entrance and prevents conflicts at the pay station or exit.

At the pay station, the car park customer can choose between entering the licence plate number via a full-touch display and using the ticket. At the exit, the car park customer can use the fast exit function after payment - the barrier opens automatically when the parking process has been paid for. The ticket is only used in critical cases when the system cannot find a suitable entry event.

Requirements for the Hybrid Mode

- Complete car park equipment with the DESIGNA CONNECT SERIES
- LPR licence plate recognition at the entrances and exits
- PAY SERIES pay stations with 10.1" full-touch display

Recommendation

This mode of operation is ideal for parking management systems in all sectors that want a slow changeover to a ticketless system. A switch back to complete ticket operation is possible at any time.

DESIGNA FULLY GATED TICKETLESS MODE

Functionality

In Fully Gated Ticketless Mode, the barrier opens automatically after licence plate recognition at the entrance. Car park customers who do not enter as registered season parkers are treated in the system as anonymous short-term parkers and can pay at the pay station by entering their license plate number via touch display. At the exit, the fast exit function is used after payment - the barrier opens automatically after licence plate recognition. Payment directly at the exit is also possible.

Requirements for the Fully Gated Ticketless Mode

- Entrance: DESIGNA CONNECT GATE 600 ONLINE
- Exit: CONNECT LANE 600 SLIM with contactless payment option for credit cards, Intercom, RFID and QR code reader
- LPR licence plate recognition at entrances and exits
- PAY SERIES pay station with 10.1" full-touch display

Recommendation

Fully Gated Ticketless mode is ideal for car parks that have a high throughput of vehicles due to a high volume of visitors and therefore need to ensure fast entry and exit, especially if there are fewer entrances than exits. DESIGNA Fully Gated Ticketless Mode is becoming increasingly popular, especially in shopping centres.

DESIGNA SEMI GATED TICKETLESS MODE

Functionality

In Semi Gated Ticketless Mode, the entrance is barrier-free - without an entrance control terminal and without a barrier. Only a license plate recognition system is required. The licence plate recognised by LPR cameras is registered together with the entry data.

As in Fully Gated Ticketless Mode, the licence plate serves as an identification medium for payment at the pay station or at the exit.

Requirements for the Semi Gated Ticketless Mode

- LPR licence plate recognition at entrances and exits
- Exit: CONNECT LANE 600 SLIM with contactless payment option for credit cards, Intercom, RFID and QR code reader
- PAY SERIES pay station with 10.1" full-touch display

Recommendation

Semi-gated ticketless mode is ideal for high-volume car parks that have a high throughput of vehicles and need to ensure fast entry and exit, and to avoid congestion. To prevent misuse at the entrance, such as exiting via the entrance lane, the usage of cameras with direction recognition software is recommended.

SEASON PARKER HANDLING IN THE DESIGNA TICKETLESS SOLUTION

All season or contract partners are automatically recognised via the licence plate and the barrier is opened. If the licence plate cannot be assigned at the exit, there is the option of using a physical identification medium (such as an RFID card or a QR code).

CONFLICT HANDLING

A software for comprehensive conflict management supports the car park customer if the licence plate cannot be correctly recognised or assigned: For example, a similarity search or the search via the manual entry of the entrance time is available. In addition, DESIGNA offers an individual configuration mask for handling at the exit when the licence plate cannot be assigned to a parking process.

From a free exit to customer self-service correction options, the car park operator can choose between different options.

RECOMMENDED ADDITIONAL MODULES

DESIGNA recommends the integration of external displays (Digital Information Boards) in order to enhance the customer experience and thus customer satisfaction.

By using the external displays combined with the additional software package DESIGNA ELEMENTS ADD-ON DIGITAL SIGNAGE, individually addressed customer information can be displayed, e.g. for welcoming or for displaying the recognised licence plate. Spontaneous ad hoc messages can also be sent to the display.

System Requirements for DESIGNA ELEMENTS SOFTWARE ADD-ON TICKETLESS

- ELEMENTS SOFTWARE START
- DESIGNA ELEMENTS SOFTWARE ADD-ON LPR
- Series CONNECT
- Software system version X22 and newer

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