DESIGNA

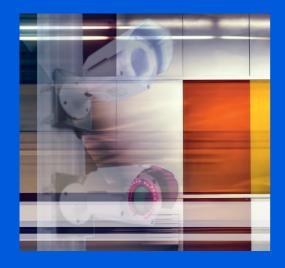# Designa
FREEFLOW SOLUTION

Barrierless Parking System.

Convenient entry and exit - without a barrier!
In the Designa FREEFLOW SOLUTION, the licence plate is used as the only parking medium at the entrance and exit, as well as for identification for payment. Thanks to the combined use of front and optional rear camera the vehicle licence plates are reliably read and a high recognition rate is achieved.

External displays (DIGITAL INFORMATION BOARDS) are used to communicate with car park customers. This allows, for example, advertising videos, welcome texts, the recognised licence plate number or free parking areas to be displayed.
The Designa FREEFLOW SOLUTION reduces the number of hardware components used in the car park and the associated operating costs.
Furthermore, both the car park operator and car park customers benefit from faster and smooth parking processes, as there is less congestion and throughput is increased.
Payment can be offered to car park customers either via the DESIGNA pay stations by entering the licence plate number or digitally via smartphone.

THIS IS HOW IT WORKS.....

- At the entrance, the integrated LPR (Licence Plate Recognition) system registers the licence plate together with the entry data. The entrance is contactless, without entrance terminal and without barrier.
There is no need to open the car window, pull a ticket or wait in front of the barrier.
The recognised licence plate number is shown on the external display.
- The licence plate then serves as an identification medium for payment at the automatic pay station. Optionally, payment can be made digitally via smartphone.
- The licence plate number detected by the LPR camera at the exit is verified in the system and shown on the external display.

ADVANTAGES FOR THE CAR PARK OPERATOR

- Cost reduction through less hardware and low-wear components and therefore less consumables
- Elimination of paper tickets: purchase, Refilling and disposal are no longer necessary
- Minimisation of maintenance and repair costs
- Less service costs (no lost tickets, no congestion at the entrance and exit and no intercom calls)
- Customer satisfaction through simplification of parking processes
- Higher throughput in the car park due to faster processes
- Data protection compliant implementation of a Freeflow solution
- Ideal for combination with the Designa CONNECT PAY 500 CASHLESS automatic pay station for cashless card payments, as time-consuming cash handling is no longer necessary

ADVANTAGES FOR THE CAR PARK CUSTOMER

- Simplified and contactless parking process due to faster entry and exit: less waiting time, reduced congestion, no need to open the window and pull a ticket
- No searching for or losing the parking ticket
- Simple payment process based on the licence plate; convenient licence plate entry via a touch display
- Payment via Mobile Ticket Payment optional

PAYMENT OPTIONS

- Pay-by-Plate: the parking duration is calculated based on entry of the licence plate at the touch display. Payment takes place afterwards.
- Designa MOBILE TICKET PAYMENT: completely electronic payment via smartphone

LPR CAMERAS

- Dual-camera mode: Use of two cameras per lane (front and optional rear camera) to optimise the recognition rate
- High-resolution camera for reliable licence plate recognition by day and night
- Modern image processing software
- Capture of the licence plate as a section of the image or of the entire vehicle (optional)
- Direction recognition of a vehicle for fraud prevention

DIGITAL INFORMATION BOARDS

The Designa FREEFLOW SOLUTION integrates external displays into the parking system:
- The advertising displays offer the possibility to show targeted digital content, e.g. advertising videos, occupancy data and welcome text at the entrance or open payments at the exit.
- The recognised licence plate number is displayed on entry and exit.
- Ad-hoc messages can be sent to the display via the software application, in order to inform car park customers at short notice.

LPR CONFLICT MANAGEMENT

Conflict support through comprehensive LPR conflict management, e.g.:
- Selection of various LPR events in case of insufficient licence plate recognition (Similarity search). The function is optionally available at the pay station.
- "Honesty function": in case the licence plate is not recognised at the entry the car park customers enter their parking data at the pay station manually (optional)

PREBOOKING

- Connection to web applications for online reservations based on the licence plate for advance booking of parking spaces possible

REPORTING

Web-based reporting with different output formats (HTML, PDF, Excel):
- *Ticketless Report*:
  Evaluations of key figures, e.g. on LPR events, average detection rate, number of conflict resolutions.
- *Information for payment enforcement*:
  The report with the open payments is available and can be used accordingly for the payment request.

SYSTEM REQUIREMENTS

- Local DBS or CLOUD
- Software system version X21.3 and higher

Do you want to discover more?

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