

Ticketless Parking with LPR

At a glance

In conjunction with the integrated LPR license plate recognition system, entervo offers the ability to eliminate short-term parking tickets completely. The media-neutral management of parking transactions in the entervo system makes it possible to also use license plates as virtual entry tickets. This is not only particularly convenient for the customer, it also saves costs with regard to ticket purchases and is gentle on the environment.



Details

▪ Functionality

Over the last few years, the considerably improved recognition rates of license plate recognition systems (LPR) have opened up new methods of use. In the past, the license plate was used primarily as an additional method of increasing security or as back-up in the event of a lost ticket. Today the number plate can also act as the sole parking media for short-term parking.

▪ Ticket-free entry

At the entry, a so-called free flow camera is used to record the license plate during entering. The vehicle is able to pass through the entry without stopping. Speed bumps may be employed to ensure moderate driving behaviour. Neither a control device nor a barrier are necessary. Every license plate that enters is assigned a "virtual parking ticket" in the entervo system.

▪ Paying at the exit

The most convenient option is payment at the exit. Here, the exit control device is fitted with a terminal for cashless payment (observe country-specific availability) and a barrier.

▪ Paying at the pay station

Automatic pay stations must have a touchscreen to enable the license plate to be entered. Instead of inserting a parking ticket, the customer enters the license plate via the touch keyboard. A "fuzzy logic" function supports the customer in the event of minor entry faults, for example, two swapped numbers. The tariff is then calculated in accordance with the same criteria as ticketed parking. Discounts can be granted via QR codes (eTickets).

▪ Check-Out app

It is possible to pay using the Check-Out app by entering the license plate within the app.

▪ Exiting

In order to prevent cars from exiting without payment, exits are always secured with an exit control device and a barrier. For this reason, standard cameras are used at the exit, not free flow cameras. As soon as a license plate is recognised at the exit that has been paid for at the automated pay station, the barrier opens and the customer is able to exit the car park. If no license plate is recognised, a fixed price may be calculated, a free exit granted or an exception transaction triggered.

Benefits

- ▲ Development of new business opportunities
- ▲ Quick and easy entrance thanks to free flow cameras
- ▲ No tickets need to be issued, even for short-term parkers
- ▲ Can be used with and without entrance barriers
- ▲ Payment at automatic pay stations is possible by entering the license plate
- ▲ Fuzzy logic search in the event of incorrect entry of license plate
- ▲ Reduced maintenance work

Minimum Requirements

- ▲ Integrated entervo license plate recognition system
- ▲ Automatic pay stations with touchscreens
- ▲ entervo V2R4M10 or V2R3M18