Case study
Hotel

Requirements

Securing the car park area against unauthorized entry. The car park is equipped with 2 entries, 2 exits; following features are the collection of parking fees, a different tariff for buses, monitoring of passages and occupancy, unlimited access to the car park for the guests with a possibility to enter or exit the car park whenever during the stay in the hotel, congress parking, booking of a parking space together with the hotel booking, payment of the parking fee together with the payment for the stay and for hotel services, a parking fee discount for the hotel restaurant guests.

Entry to the garage for long-term parking hotel guests and for congress parking.

Solution

Entry/Exit

- The entry to the car park controlled zone is set with the entry terminal that issues bar code parking cards for short-term parking. The terminal is additionally equipped with a hotel card reader for long-term parking and with a bar code scanner for congress parking. Further, there is a sensor for the differentiation of height of vehicles (a different tariff for buses), the LPR camera and the Vacant/Occupied display.

- The entry to and exit from garages is set with a contactless card reader, a congress card scanner and the LPR camera

- The exit is set with the exit terminal equipped with a bar code scanner, a contactless card reader for prepaid parking and the LPR camera.

- Individual terminals control automatic road barriers according to the system setting.

- Terminals are additionally equipped with intercoms to ensure the communication with the reception

Payment and card administration

- In the car park area, an automatic pay station is placed where clients can pay their parking fees via parking cards (issued by the entry terminal) that are scanned at the automatic pay station. The automatic pay station accepts coins and banknotes and returns any overpaid amount in coins. The automatic pay station can be additionally equipped with a module for returning an overpaid amount in banknotes and with a credit card module for credit card payments (which is conditioned by a relevant contract with a bank and the internet connection).

- The manual pay station is located at the reception. Here, the hotel guests can make their payments, restaurant guests can be provided with discounts after having submitted bills from the restaurant, any complaints can be solved, etc. The system server is placed at the reception. The server operates the system, provides information on the state of individual devices to the attending staff (the system is capable of sending sms specifying conditions of individual devices to telephones of authorized personnel who can control the system via coded sms). Backoffice processes are performed on the server (entering licence plate numbers and issuing congress cards, guests' bookings, etc.), feedback reporting (statistics, book-closing, etc.). Further, the server allows the car park remote control or to provide repair and maintenance services via the internet or telephone.