

# VIPark

## VIPARK – Parking Guidance System



**Parking Guidance System based on single space sensors for underground and multi storey car parks.**

**Elitel**

## General introduction:

Each parking space is equipped with ultrasonic sensor detecting presence of a vehicle. Green color of the indicator means free space and red means space is occupied. Distinct blue color is used for indicating free spaces reserved for disabled persons.

Calculated number of vacant spaces in the designated area is displayed on the signboards on-line. Central PC unit located in the Parking Management office presents current occupancy information. Current parking occupancy is visualized in a graphical form on top of a parking map.

## 1. System building blocks

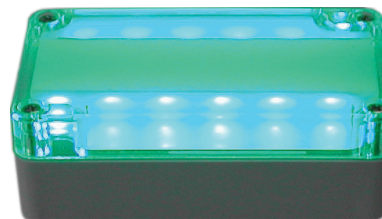
### Vehicle presence sensor

Ultrasonic sensor mounted above each parking bay detects presence of a parked vehicle. Occupancy status is communicated through the network to the central controller and the displays.



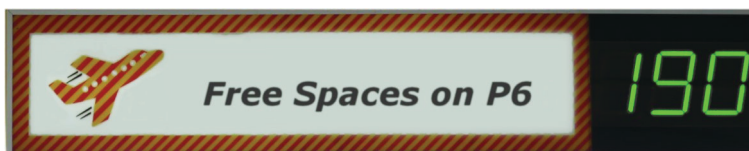
### Ultra bright LED indicator

Red or green light specifies occupancy status of each parking bay. A separate indicator is connected to each sensor. Driver riding through the parking alley can easily see all indicators corresponding to parking bays in proximity.



### Floor display

Helps choosing floor that a driver should enter to park a vehicle. Three digit LED display indicates number of vacant spaces on the floor.



### Group (alley) display

Directs driver to a specific alley with a number of vacant bays. Two digit LED display indicates number of vacant spaces in proximity. Additional green arrow shows a direction. Lack of free spaces is indicated with a red cross.



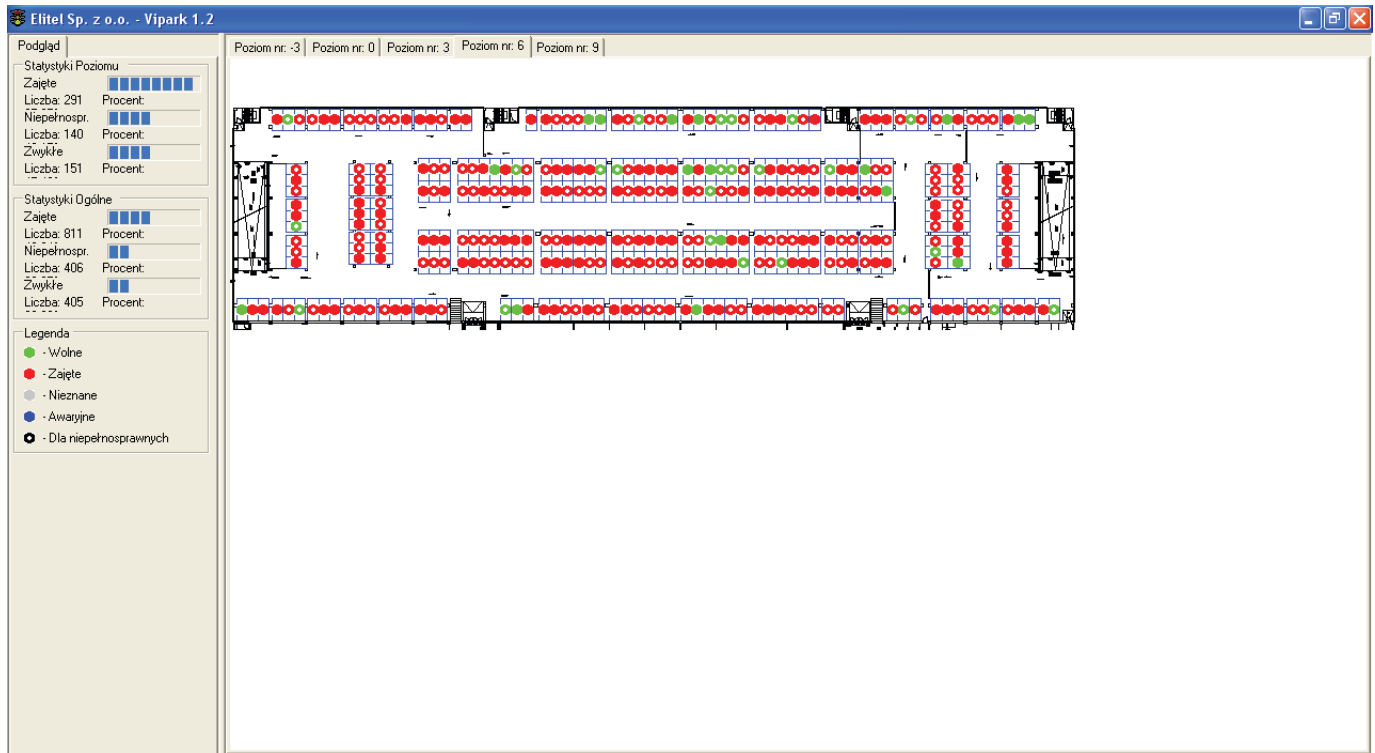
Group displays are manufactured as single or double side.

## Multilevel entrance display

Display fixed at the entry gate gives a general view of the parking status. Large, clear displays housed in a frame with additional graphical information give welcome information for drivers entering the parking lot.

## Online visual map for PC

Current status of a parking lot is visualized on-line on the PC screen. This information can be used by parking management for marketing and security purposes.



## 2. Technical data

System can monitor up to 4.000 spaces in standard version and up to 10.000 in extended version. Small installations can be configured for PC-less operation or with reduced number of displays.

## 3. Advantages

Implementing VIPARK on a parking lot gives the following advantage:

- extended effective capacity through increased total occupancy
- less cars in movement, thus cleaner air and less collisions and more comfort for pedestrians
- saves time and effort to park a vehicle / happier customers
- prestige and elegance on your parking / VIP treatment for your customers
- additional marketing and security tool for the management

