

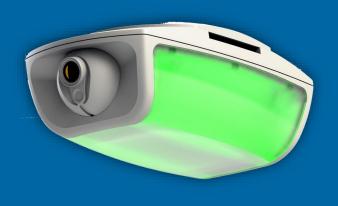


Simple to install, effortless to park

Indoor PGS with Video Analytics and LPR (Indipark)



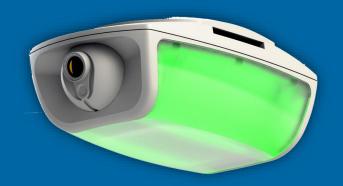
About solution





- An innovative and comprehensive solution for the modern indoor car park.
- System uses stream from CCTV cameras and detects cars in parking lots using our developed AI deep learning algorithm. Data about parking space availability is transmitted in real-time to the Parksol system and LED displays.
- Our advanced LPR system can process every type of license plate from around the globe.

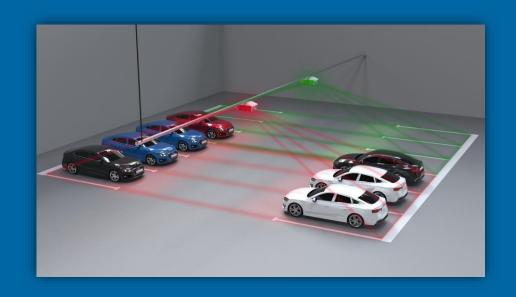
About solution





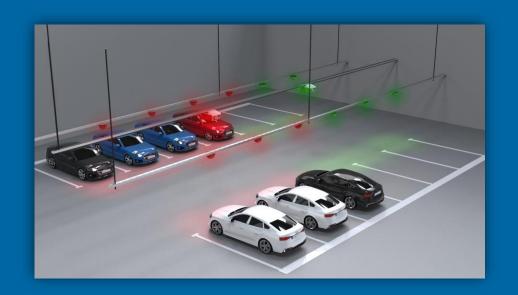
- It is an all-in-one system:
 - car identification with LPR,
 - occupancy detection,
 - parking guidance,
 - video surveillance,
 - analytics,
 - other custom features.
- With a dual-camera back to back design, the detector can simultaneously **monitor up to 6 parking spaces on both sides** (up to 3 spaces on one side and up to 3 spaces on another side).

Standard solution



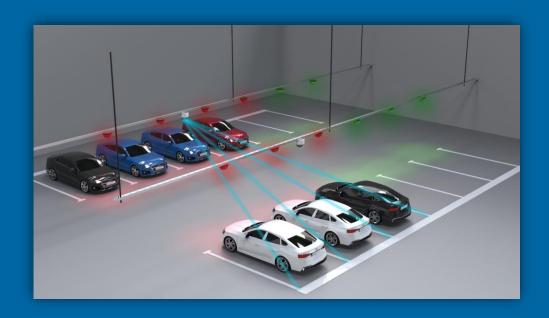
The camera has one integrated RGB indication for up to 6 parking spaces (if at least one parking space is empty, the indication is green/blue; if all parking spaces are occupied, the indication is red).

Unique solution



If you need individual indications for every single parking bay, we have a unique solution in the market! We combine Indipark solution with individual bright indicators.

Parksol system upgrade



If you already have any type of Parksol Guidance System, it can be easily upgraded to Indipark functionality.

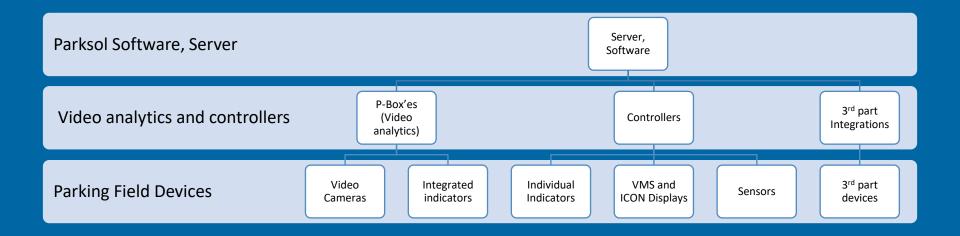
BASIC FEATURES:

- Occupancy detection
- Parking guidance
- Car identification with LPR (license plate recognition)
- Parking violations (information about a vehicle parked in not allowed areas)
- Control of parking places (reservations for employees, VIP clients, timing)
- Real-time monitoring system
- Basic reporting

ADVANCED FEATURES:

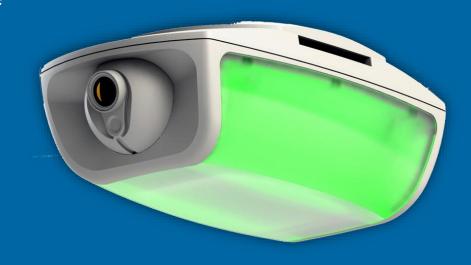
- Find my car
- Dynamic pricing
- Automatic visitor groups' detection and classification (commuters, overstays, new clients)
- Valet parking features
- Advanced reporting
- 60 minutes battery backup
- Integration with CCTV Video Surveillance
- API for integration with third-party systems (payment system, VMS, APP, and so on.)

System structure



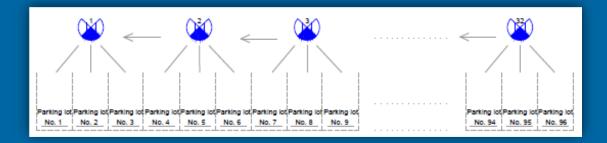
Main elements: camera

- Single or Double camera model;
- Up to 3 (single cam) or up to 6 (double cam) parking spaces monitoring;
- 8 Megapixels Sony IMX CMOS sensors;
- Parked vehicle detection 3 8 seconds;
- Integrated RGB Indication with 256 colors;
- 2 pcs. of x Ethernet RJ45 ports for daisy chain connection;
- Custom PoE power supply.

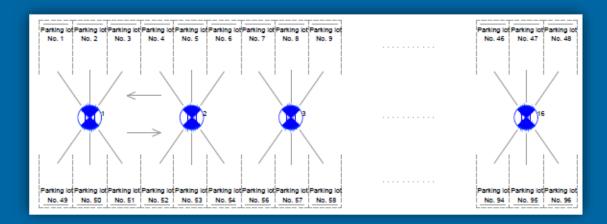


Camera types

 Single sided cameras (up to 3 parking spaces per camera)



• Double sided cameras (up to 6 parking spaces – 3 form one side and 3 from opposite side



Main elements: individual parking space indicator



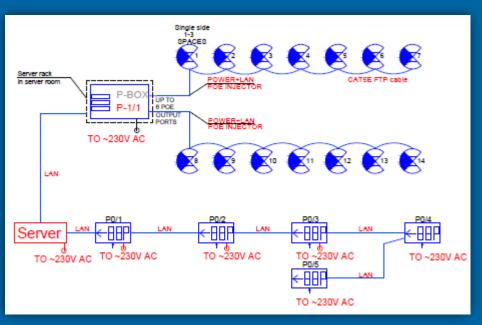
- RGB Indication for each individual parking space;
- 360 degree viewing angle;
- Very simple installation using just 2 wire cable!;
- Wireless Bluetooth communication.

Main elements: P-BOX

- Video Analytics controller P-Box;
- Supports up to 30 cameras (15 double sided or 30 single sided)
- 6 Ethernet channels for Camera's connection;
- Prepared in rugged IP class box prepared for installation in the parking;
- Integrated PSU's no need for any additional power supplies in the system;
- Integrated controller for Individual Indicators.

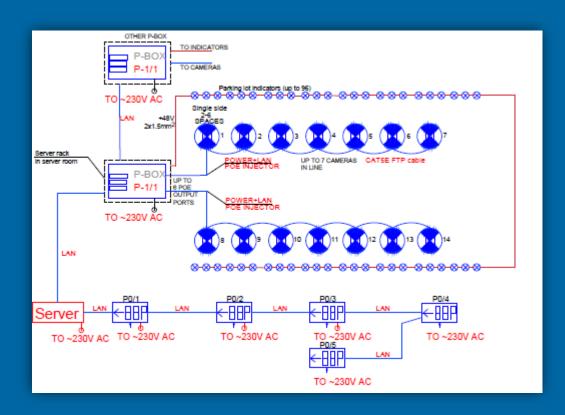


Wiring structure: standard system



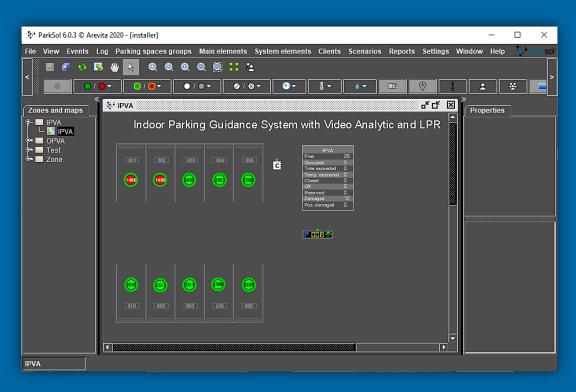
- All system Wiring based on Ethernet and Cat5 or Cat6 cable;
- For bigger bandwidth and distances - Fiber Optics can be used;
- All devices powered from 230Vac (110 Vac on request). Power supplies included.

Wiring structure: system with individual indicators



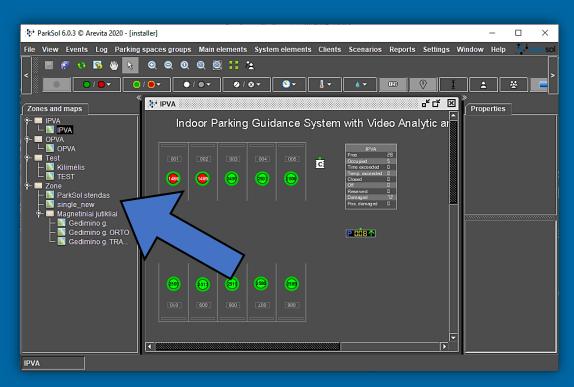
- Wiring based on Ethernet and Cat5 or Cat6 cable;
- For Individual Indicators 2x1.5 cable is used;
- For bigger bandwidth and distances - Fiber Optics can be used.

The main window of the system



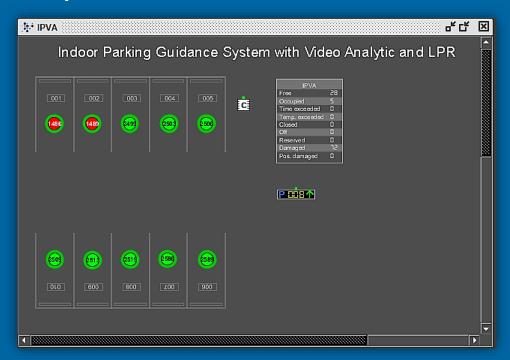
- After successful connection to the system the interface of PARKSOL system appears.
- All open windows are presented, i.e. the windows that were opened by the user before log-off from the system.

Left side menu - Parking maps tree



- The parking maps tree allows easier administration of the parking lot.
- The installer of the system determines the hierarchy of parking-lot in the system.
- The parking maps tree consists of zones and each zone can have one or more maps.

Map window, Dashboard on Map





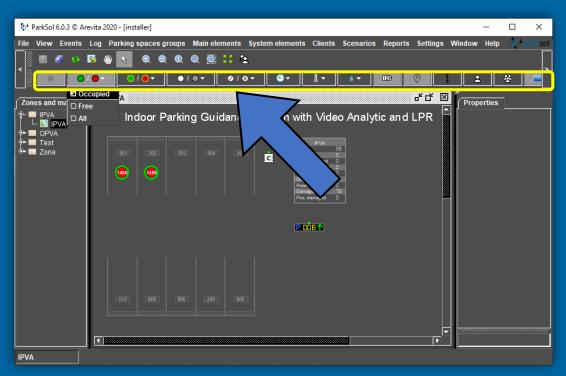
- On the map window, the user can see all devices installed on this map and monitor their status.
- The status of zone devices can also be monitored in the summary dashboard.

Right side menu - Properties



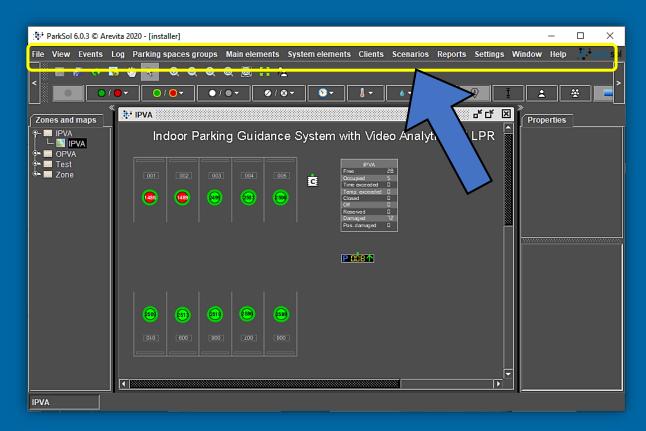
 The more detailed corresponding status value of an individual system element is shown in the "Properties" view.

Map filters



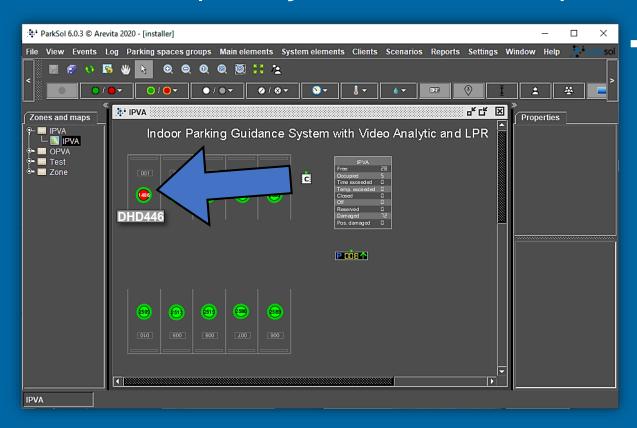
- The top menu bar has a map display filters.
- We can choose which status sensors we want to see on the map and which we do not.
- We can also select what devices or additional parameters we want to see on the map.

Menu items



The menu bar of the main window contains 13 menu items. Some of these items have their submenu.

Live occupancy with License plate numbers



When you hover the mouse cursor over the parking sensor, an information field with a license plate number appears.

Live Parking time, max parking time, overstayed cars detection

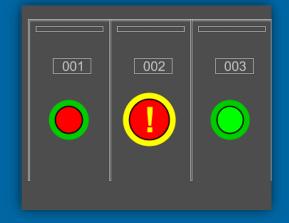


- You can see the direct parking time of the selected parking space.
- Find the "Parking time" parameter in the properties menu.

Live Parking time, max parking time, overstayed cars detection



- Set Max parking time for for a certain parking space.
- If the set maximum parking time is exceeded, the system show this alert on the map.

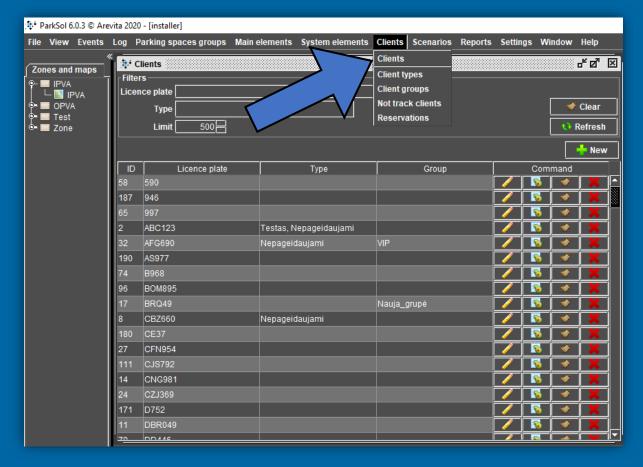


Direct link from parking space to live parking spot video stream

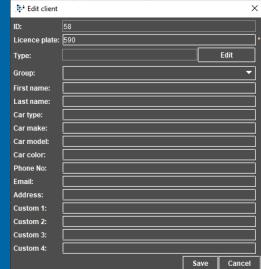


Double-click the mouse to open the video stream of the selected camera.

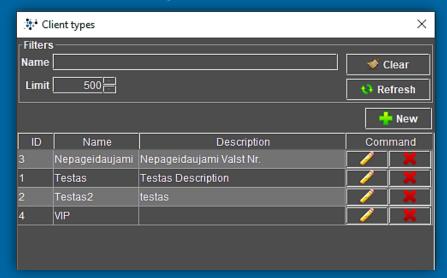
Clients database

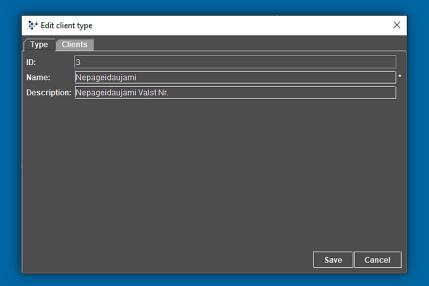


- Select "Clients" in the top menu bar.
- Here you can see all the clients and edit them.



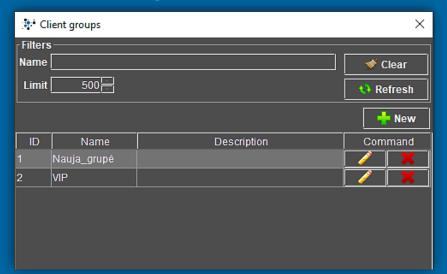
Clients types

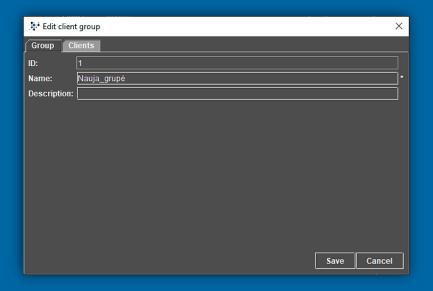




- Select "Clients" and "Client types" in the top menu bar.
- Here you can create new types or edit existing types of clients.

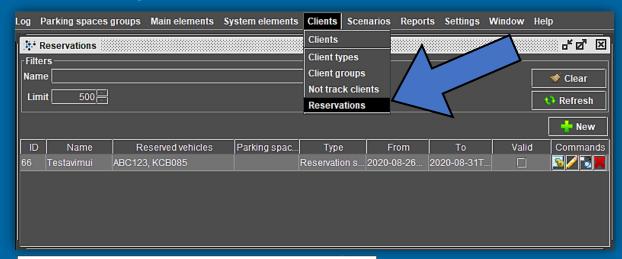
Clients groups

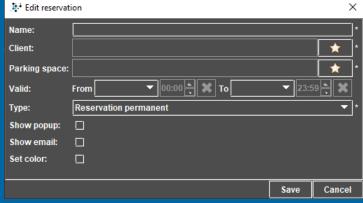




- Select "Clients" and "Client groups" in the top menu bar.
- Here you can create new groups or edit existing groups of clients.

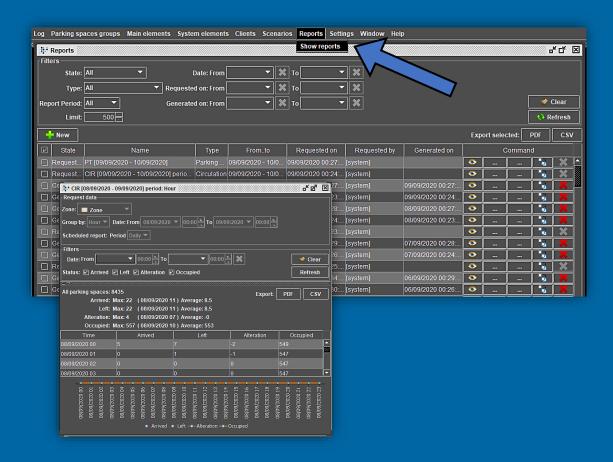
Parking spaces reservation for clients





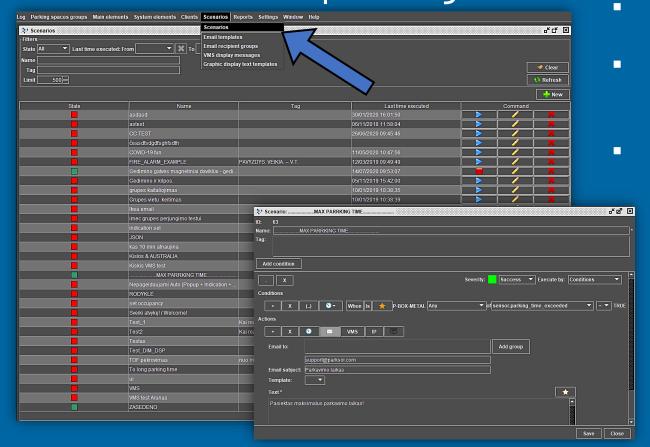
 Here you can do individual car parking spaces or group of parking spaces reservations for individual client or for a group of clients.

Reports



- Select "Raports" in the top menu bar.
- Here you can create new reports or create automatic rules that generate reports at the desired time interval automatically.
- There are 4 report types available: Occupancy, Circulation, Parking times and average parking times reports.

Scenarios - Parking behaviour rules for certain situations in the parking



Select "Scenarios" in the top menu bar.

Here you can create new rules, edit, start or stop existing rules.

Scenarios can be very different, such as Popup Notifications, Email. email sending, messages on LED screens, field device management.

THANKS!

Kristina Kablytė Project manager