CirPark

Solutions for Efficient Parking

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Product Catalogue 2019

Solutions for Efficient Parking
Solutions for Efficient Parking

The CirPark Platform manages all CirPark solutions from one site. It is a powerful solution that integrates iPark, LEDPark and EVPark systems. A platform made of CirPark Scada software and third-party integration. It is a multi-platform and mobile-oriented software infrastructure. Unique platform for the complete Efficient Parking.

**CirPark Platform**

- **iPark**
  - Guidance System
  - Counting System
  - Find Your Car

- **LEDPark**
  - LED Park
  - Counting System
  - Energy Efficiency

- **EVPark**
  - Electric Vehicle Charging System for Indoor and Outdoor Parkings
  - OCPP
  - DLM

**Guidance System**

- OCPP

**Counting System**

- DLM
CirPark Platform

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**LOCAL PLATFORM**
- CirPark Scada Software
- XML API

**CLOUD PLATFORM**
- CirCloud
  - Server Platform
- Cloud API
  - API for integrators/operators
- CirMobile
  - Mobile Application for Android/iOS
  - It consumes Cloud API
iPark is one of the most impressive and long-lasting systems on the market for Guidance, Find Your Car and Counting Systems. Integrated within the CirPark Platform, it becomes a powerful management tool that optimises the traffic in car parks and provides user satisfaction, giving them the information they need, when they need it. Operators, on the other hand, have an excellent tool to gain the loyalty of their customers, optimise traffic and occupancy, and reduce maintenance and operation.

iPark
Indoor/Outdoor Dynamic Guidance system that manages the user information in order to optimise the occupancy and traffic of the parking facilities. Ultimate technology sensors and panels, plug&play and long-lasting. Worldwide product range oriented.

Guidance System
Level & Area counting system with full range of detectors and panel display information for Indoor & Outdoor parking facilities.

Find Your Car
Powerful system able to provide car-finding solutions based on License Plate Recognition within lanes or in each parking space, offering users the location and route to their own car via the user application.
iPark

Guidance system
Optimises traffic in car parks and provides user satisfaction by giving them the information they need.

Owner Benefits
- Customer Loyalty and Car Park reputation.
- Efficient Traffic and Occupancy management.
- Operational and Maintenance Reduction costs.
- Full remote control system with auto-pilot operability.
- Completely customizable Reports, Real-Time Screens and HeatMaps.
- Manage Guidance, Illumination & EVChargers from one site.

Customer Benefits
- Less time spent on locating free parking spaces.
- Less stress and increased ease of parking.
- Easy Location of Handicapped, EVCharge & Reserved places.

Sensors
- Front-End Bay Sensor: INDOOR
- Inside Bay Sensor: INDOOR
- Panel Parking: INDOOR/OUTDOOR

Displays
- VMS Range: INDOOR
- RGB Range: INDOOR/OUTDOOR
- High Luminosity Range: OUTDOOR

Control
- Controller: INDOOR/OUTDOOR

Accessories
- Fixing Elements: INDOOR
- Preconectored cable: INDOOR
- License: INDOOR/OUTDOOR
- Server: INDOOR/OUTDOOR
- Control Accessories: INDOOR/OUTDOOR

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TRILOGY

Ultrasonic Sensor RGB led indicator and led lighting system for the detection and indicator of the occupation status and for a courtesy lighting of the parking space. High brightness RGB led indicator Power 24/48 Vdc: Consumption 15 W Communications: RS-485. It has connector for Power+Data Extended Temperature Range -20 to 60°C Remote Configurable Firmware. Sensing distance and brightness intensity adjustable by software. Recommended installation height between 2.10 and 3.5 meters. IP54 Protection.

BILOGY


SP3-RG

Ultrasonic sensor and Indicator light on the same equipment, for the detection and indication of occupancy status of the parking space. Power+Data Connector and external light connector Power supply 24 Vdc: Consumption: 12 W Communications: RS-485 Extended Temperature Range -10 to 50°C Remote Configurable Firmware. Recommended installation height between 2.30 and 3.5 meters. Detection distance adjustable by software. It has Red-Green led indicator.

SP3-RR


PP1-RG


PP1-RR

VMS

DX2-VMS-48
DX2-VMS-6


DX3-VMS-6


DX4-VMS-6


RGB

DX2-ROG-48
DX2-ROG-6


DX3-ROG-48
DX3-ROG-6


DX4-ROG-48
DX4-ROG-6


**High Luminosity**

**Panel Parking**

Panel Parking 'P' with OPEN/CLOSED display.
Structured made of 2 mm aluminium plate. Folded and welded, painted in textured black epoxy. Backlight by LED (Powers 1200mm x 240mm x 130mm. Available in 4 languages: English (OPEN/ CLOSED), French (LIBRE/ COMPLET), Spanish (ABERTO/ CERRADO), Catalan (OBERT/ TANCAT). 6mm front antivandal polycarbonate with translucent vinyl labelling. Window with display visualization and solar protection film.

**Display OPEN / CLOSED**

Display LEDs 100x100x40 mm. Test available in 4 languages: English (OPEN/ CLOSED), French (LIBRE/ COMPLET), Spanish (ABERTO/ CERRADO), Catalan (OBERT/ TANCAT). 100x100x40 mm. High luminosity red LED. Digit height 82mm. Input power: 230V 50Hz. Dimensions: 1200mm x 940mm x 130mm. Available in 4 languages: English (OPEN/ CLOSED), French (LIBRE/ COMPLET), Spanish (ABERTO/ CERRADO), Catalan (OBERT/ TANCAT).

**Panel Parking**

Panel with information about the capacity of the car park, per floor or overall, 2-4 digit displays. Advanced, Basic and Outdoor Displays Communication RS-485. Digit colour: RGB or Red. Brightness intensity adjustable by software.

**RGB**


**Display LEDS 50x50x40 mm**

Test available in 4 languages: English (OPEN/ CLOSED), French (LIBRE/ COMPLET), Spanish (ABERTO/ CERRADO), Catalan (OBERT/ TANCAT). 50x50x40 mm. High luminosity red LED. Digit height 82mm. Input power: 230V 50Hz. Dimensions: 75x75x100 mm. English (OPEN/ CLOSED), French (LIBRE/ COMPLET), Spanish (ABERTO/ CERRADO), Catalan (OBERT/ TANCAT). 50x50x40 mm. High luminosity red LED. Digit height 82mm. Input power: 230V 50Hz. Dimensions: 1200x940x130 mm.
TCP3RS 460803


PK-CPU-ES 460320
Spanish version
PK-CPU-EN 460321
English version

CONEC-PARK 460199

CarPark concentrator to manage autonomously iPark systems with a 500 bay capacity parking, LEDPark lighting and energy efficiency systems and evPark charge stations for electric vehicles. It includes an embedded CirPark Scada Engine. Power with 230Vca.

ECCUPARK 460803

Parking Concentrator, with Management and Information storage capacity. Control of equipment through bus 485 for Park counting systems, LEDPark lighting and energy efficiency systems as well as EVPark charging stations. Perfect device for automation purposes incorporating a CirPark Scada embedded limited distribution. It has 8 digital inputs and 6 relay outputs. 10BaseT / 100Base T4 Ethernet Port. 230 Vac power supply. Informative Display with touch buttons. 3G connection with SIM (not included).

Software Licenses

CirPark Scada 610106
Car park management Scada software. Full version.
Car park management Scada software. Limited to 1000 parking spaces.
Car park management Scada software. Limited to parkings with no Single Bay Sensor Guidance.

Computer Equipment for CirPark systems.

Standard PC.
Pentium i3 or higher. 4GB of RAM memory (depends on the parking spaces). 500GB of HD. OS: windows 7/8/10/server.
Customized work desktop, users, protections and language.

PK-TFT 460080
TFT 22” Wide Screen with high resolution
PK-SWITCH 8P 460204
Gigabit Switch 8 ports 10/100/1000 Mbps
PK-SWITCH 16P 460205
Gigabit Switch 16 ports 10/100/1000 Mbps

PSC-240-24 200520
PSC-240-48 200526
PSC-480-48 460224

Accessories

Servers

iPark / Guidance System / Control

Gateways & Controllers

Software Licenses

CirPark Scada
Software 1000 Bays
CirPark Scada
Software LT

CirPark Scada Software.
Full version.
Limited to 1000 parking spaces.
Limited to parkings with no Single Bay Sensor Guidance.
Sturdy clip for securing the SP series sensors and indicator lights. For clamping in metal tray or pk-socket accessory. 1000 pcs bag.

Polycarbonate socket for Biogy and Trilogy pipe installations 25-mm tube for connecting sensors.

Polyester socket for SP3 and DPU pipe installations, 25-mm tube for connecting sensors and 20-mm tube for connecting the light indicator sensor.

Black plastic accessory for mounting the space indicator PPv.

Blined aluminium tray, 48 mm wide and 2.45 m long.

Galvanised-steel tray cover. External clip subjection. Openings to introduce the equipment cables inside the tray. 50 cm long. Used for the Front End sensors biology or trilogy.

Galvanised-steel tray cover. External clip subjection. Openings to introduce the equipment cables inside the tray. 80 cm long. Used for the SP sensor series.

Blined aluminium tray, 48 mm wide and 0.5 m long.

Galvanised-steel tray cover. External clip subjection. Openings to introduce the equipment cables inside the tray. 80 cm long.

Galvanised-steel tray cover to install the SP sensor series.

Galvanised-steel tray cover to install the SP sensor series. Used at the end of a tray line.

3-m halogen-free hose-cable, to connect sensors of SP series, Biology or Trilogy 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus.

3-m halogen-free hose-cable, to connect sensors of SP series, Biology or Trilogy 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus. Specially designed for installation inside a tube.

3-m halogen-free hose-cable, for the connection between SP sensor series and its own indicator. 3 x 0.75 mm2.

100-m halogen-free hose-cable, extending the row of devices. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus.

40 cm halogen-free hose-cable, to connect displays internally inside Panel parking. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus.

305-m UTP communication cable, category 5 (unshielded cable, four twisted pairs RJ45).
Level & Area counting system with full range of detectors and information panels for Indoor & Outdoor parking facilities.

This system offers 3 different types of detection to control the access into different areas with reduced equipment and high levels of accuracy.

It includes Autonomous Control Units to automatize the counting and control of any area. This is possible with embedded CirPark Scada that makes this system smart.

iPark

### Counting system

#### Detectors
- **Inductive Loop Detectors**
  - Indoor/Outdoor
- **Fotocell crossing-zone Detectors**
  - Indoor/Outdoor
- **Ultrasonic crossing-zone Detectors**
  - Indoor/Outdoor

#### Displays
- **RGB Range**
  - Indoor/Outdoor
- **High Luminosity Range**
  - Outdoor
- **Panel Parking**
  - Outdoor

#### Control
- **License**
  - Indoor/Outdoor
- **Controller**
  - Indoor/Outdoor
- **Converter**
  - Indoor/Outdoor
- **TCP3RS Concentrator**
  - Indoor/Outdoor

iPark offers a comprehensive solution for parking management with various detection methods and smart control capabilities.
**Vehicle counting equipment:** Control unit for inductive loop, photocell or DPU pass detectors. Power supply: 24/48 Vdc. Consumption: 1 W + (Number of zones x 1.6 W). Communications via RS-485. 8 digital inputs for control of up to 4 pass-zones. Incorporates 4 relay outputs for automation, depending on the occupation. Storage memory for the 4 pass-zone counters. Auxiliar output: 24 Vdc.


**Infrared detector, 90º wall, 1000 W load, 10 m, for pedestrian detection and intelligent management of lighting systems.** Input power: 220 V AC.

**Inductive loop detector:** Input power: 230 Vac. Consumption: 15 VA. Control with one inductive loop. Activates a relay when detecting a metal mass on the loop. Possibility of adjusting the sensitivity. Adjustable pulse type, during or after detection.

**Inductive loop detector:** Input power: 24 V DC. Consumption: 15 VA. Control with one inductive loop. Activates a relay when detecting a metal mass on the loop. Possibility of adjusting the sensitivity. Adjustable pulse type, during or after detection. Powered directly from Mr4-dp48.

**Inductive loop detector:** Input power: 24 V DC. Consumption: 15 VA. Control of two inductive loops. Activates a relay when detecting a metal mass on the loop. Possibility of adjusting the sensitivity. Adjustable pulse type, during or after detection. Powered directly from Mr4-dp48.

**Inductive loop detector:** Input power: 24 V DC. Consumption: 15 VA. Control of two inductive loops. Activates a relay when detecting a metal mass on the loop. Possibility of adjusting the sensitivity. Adjustable pulse type, during or after detection. Powered directly from Mr4-dp48.

**Panel with information about the capacity of the car park, per floor or overall:** 2-3-4 digit displays. Consumption: 2.5 - 4 W per panel. Communication: RS-485. Digit colour: amber - red. Brightness intensity adjustable by software.

- 24/48 Vdc if TCP3RS is located outside
- 230 Vac if TCP3RS is located inside

Find Your Car

Powerful system able to provide car-finding solutions based on QR Code or License Plate Recognition within lanes or in each parking space, offering users the location and route to their own car via the user application.

Features

License Plate Recognition by lane or within defined zones in small parkings to facilitate user’s car location.

Car Recognition within each special parking space, such as EV charging spaces or reserved VIP bays.

Combining Find Your Car with CirPark Guidance System provides a car location service with great reliability.

Features

- License Plate Recognition
- Car Recognition
- Combining Find Your Car with CirPark Guidance System
Cameras

FYC-3BAYCAM

Dome Camera with autozoom 2.8-12mm and vandalproof for LPR each 3 parking spaces. 3MP resolution (H.264/H.265). IR cut filter with 35m range. External POE included. HD lens 1/2.9” SONY sensor CMOS low illumination. It works with FYC-MIDYELPR license.

FYC-LANECAM V

Bullet Camera with autozoom 2.8-12mm and vandalproof for LPR by zone. 3MP resolution (H.264/H.265). IR cut filter with 60m range. External POE included. HD lens 1/2.9” SONY sensor CMOS low illumination. It works with FYC-FREEFLOW-1Z license.

Terminal

FYC-KIOSK

FYC Kiosk, User Interface for Find Your Car system made with galvanic iron. 22” panoramic touch screen. 220Vac/100W power and Ethernet output.

Control

SWITCHBOX POE

Ethernet Signal Concentrator for a maximum group of 21 bays with 3BAYCAM LPR cameras. Includes an industrial POE switch for the group of cameras.

Software

FYC-SERVER

Server for FYC image processing in static mode (FYC-LIC-IMAGELPR max 1000 bays) or used for as the platform for FYC software (FYC SOFTWARE). Includes License Plate Recognition Program. Minimum requirements: 4 cores equipment with i7 CPU or higher, 8GB RAM memory, 500GB HD and Windows 10 Pro.

FYM-FREEFLOW-1Z LICENSE

License Plate Recognition for 1 detection zone.

FYM-IMAGELPR LICENSE

License Plate Recognition for parking space.