CAR PARK SOLUTIONS

LICENSE NUMBER RECOGNITION SYSTEMS

TICKETED PARKING SYSTEMS

AUTOMATIC PAYMENT SYSTEMS

PARKING GUIDING SYSTEMS

AUTOMATIC PASSING SYSTEMS

Take a closer look at White Rose.

10.000 sqm Indoor Factory Zone

We produce the electronic and mechanical equipment for the products we manufacture ar our factory. White Rose is dedicated to sustain the quality search in every course of manufacturing since the start up. We manufacture s based on a profoundly meticulous discipline and pay attention to the requirement of customers; the designs, technical calculations and drawings are processed by our expert project teams. The production process is formed of 4 basic courses as welding course, abrasion course, dyeing and automation.

A Major Surge in Export

One of the leading companies in the Turkish Industry with its recent exportation attack, White Rose has a goal of being world's leader in the industry very soon with the developing technology every day and unlimited service thoughts.

90 Staff Experienced in Their Fields

With our dedicated personnel, we will support you and simplify your life. Our service quality is improved constantly thanks to our teams of engineers and division personnel who have funds of knowledge and expertise in their field.

TOP LEVEL COMFORT
PROUDLY PRESENTED

LICENSE NUMBER RECOGNITION SYSTEM

White Rose License Number Recognition System has been developed for sites where only system-defined vehicles of a building complex, school, office, hospital, are allowed in the car park.

This system allows access to the entry of registered license numbers and denies entry of unregistered ones. Up to 6 cameras may be introduced in the live license number recognition system on the same interface.

Furthermore, the system does not need an external triggering device such as a loop, photocell as it recognizes on a live image.

Camera Resolution	5MP
Reading Success	98%
Built-in Night Vision	Yes
Max Reading Distance	10mt
Loop-free Operation	Yes
External Night-vision support	Yes
Trait Signaling Support	Yes
Communication	Ethernet
Supported Country License Numbers	78

Features of License Number Recognition System

- 98% reading Success
- Live control of up to 6 cameras on the same interface
- Can read license numbers of different structure. (Single-line, two-line plates)
- Accurately and quickly identifies license numbers of successive vehicles.
- Adapts to different light environments. (Day and night)
- Advanced Reporting
- Photographs and details of logging vehicles
- Easy subscriber transactions with user-friendly software
- Adds a Subscriber directly from an Excel file
- Creates different subscriber groups for each entry point
- Defines Vehicle quota for each Subscriber (Optional)
- Blacklist Control Pricing Module (Optional)
- Compatible with different brand IP cameras
- Unlimited Authorized Identification
- No need for loop or similar camera trigger
- Capable of recognizing license numbers of 78 countries
- Easy to install

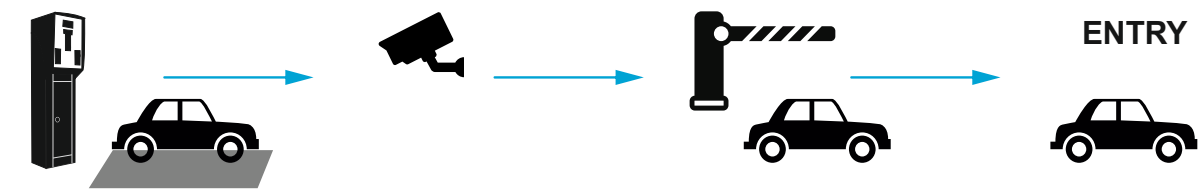
SET CONTENT	
1	PTS Software
2	PTS Camera
3	Camera Pole
4	Network Trigger Card
5	Power Adapter

TICKETED PARKING SYSTEMS

White Rose Ticketed System, which is developed for paid parking lots, is the management software that enables the user to enter with a ticket placed on the entrance of the car park.

Ticket is issued by detecting whether there is a vehicle in front of the ticketing machine. By pressing the button, the driver is given a barcode ticket with the entry information written on it.

If the vehicle enters the car park, the ticket is registered in the system. When the vehicle driver wants to check out, the ticket is automatically read by the operator with the barcode reader and the fee is calculated automatically and the driver is informed. The subscriber card reader on the ticket machine can also be used to subscribe.



By means of the vehicle, the ticket detector is activated and tickets are purchased.

(optional) license number reading system reads the plate and records the photo.

The barrier opens after these operations and allows vehicle in.

The is allowed into car park

Features of Ticketed Parking System

- Activates only when there is a vehicle in front
- Different sizes of ticket usage options
- Barcode, business name, date and time information received from the system on the ticket
- Ticketing speed <2sec Each car is given maximum 1 ticket.
- Subscriber identification.
- Subscribers entry and exit directly by proximity card.
- The driver is routed through the large LCD Information Display.
- Easy tariff regulation
- Detailed reporting
- Entry and exit records
- IP-based Ethernet Communication
- Intercom (optional)
- License number written on Ticket (optional)
- Receipt option
- Cash Register POS Integration (optional)

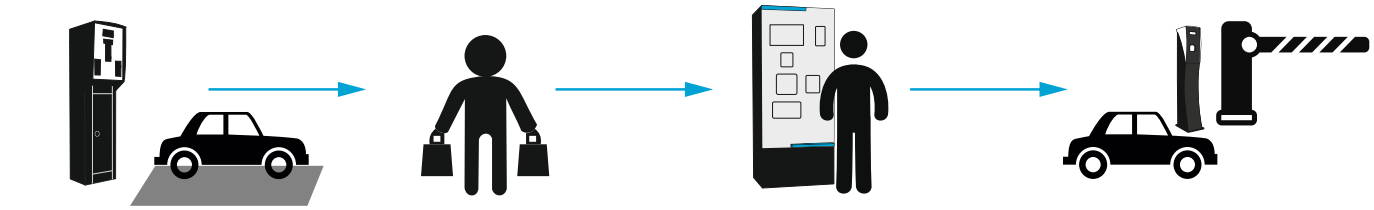
	SET CONTENT
1	Ticketing Machine
2	Pricing Software
3	Barcode reader
4	Receipt Printer
5	Ticket Reading Machine (Optional)

AUTOMATIC PAYMENT STATION

White Rose Automatic Payment station allows the driver to charge the parking fee automatically in paid parking spaces.

This avoids long queues at the exit point. The driver reads the ticket or enters in the license number. Vehicle information, check-in date, check-out date and the charge to be paid are displayed on the screen.

The driver makes the payment and the transaction is completed. At the exit point, the ticket is read out to the reading point of the ticket or automatically performs the exit transaction via the license number recognition system camera.



Vehicle approaches the loop detector, ticketing machine is activated and a ticket is produced.

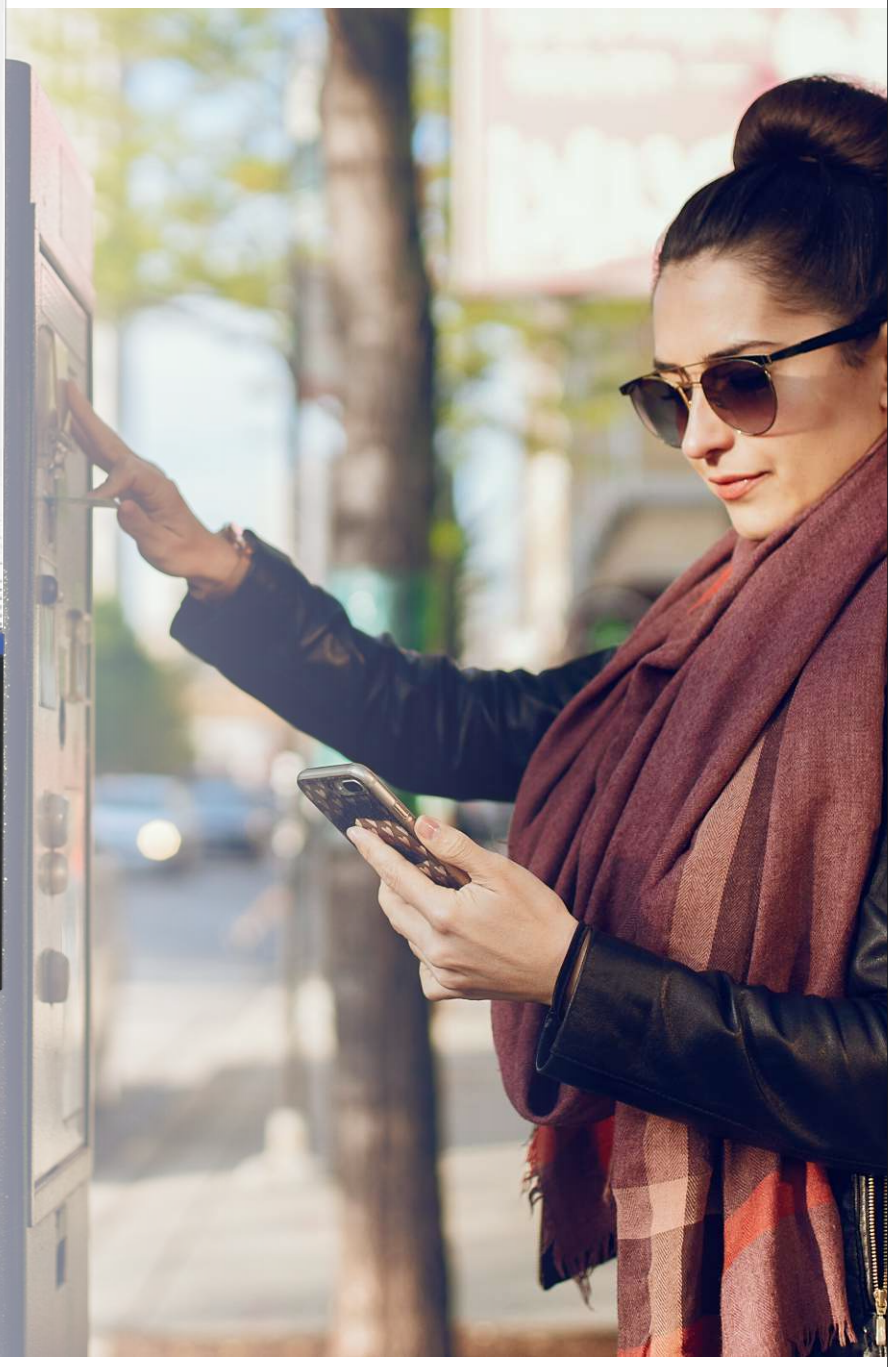
Driver does his or her works to do.

The barcode received at the entrance to the payment station and completes the payment.

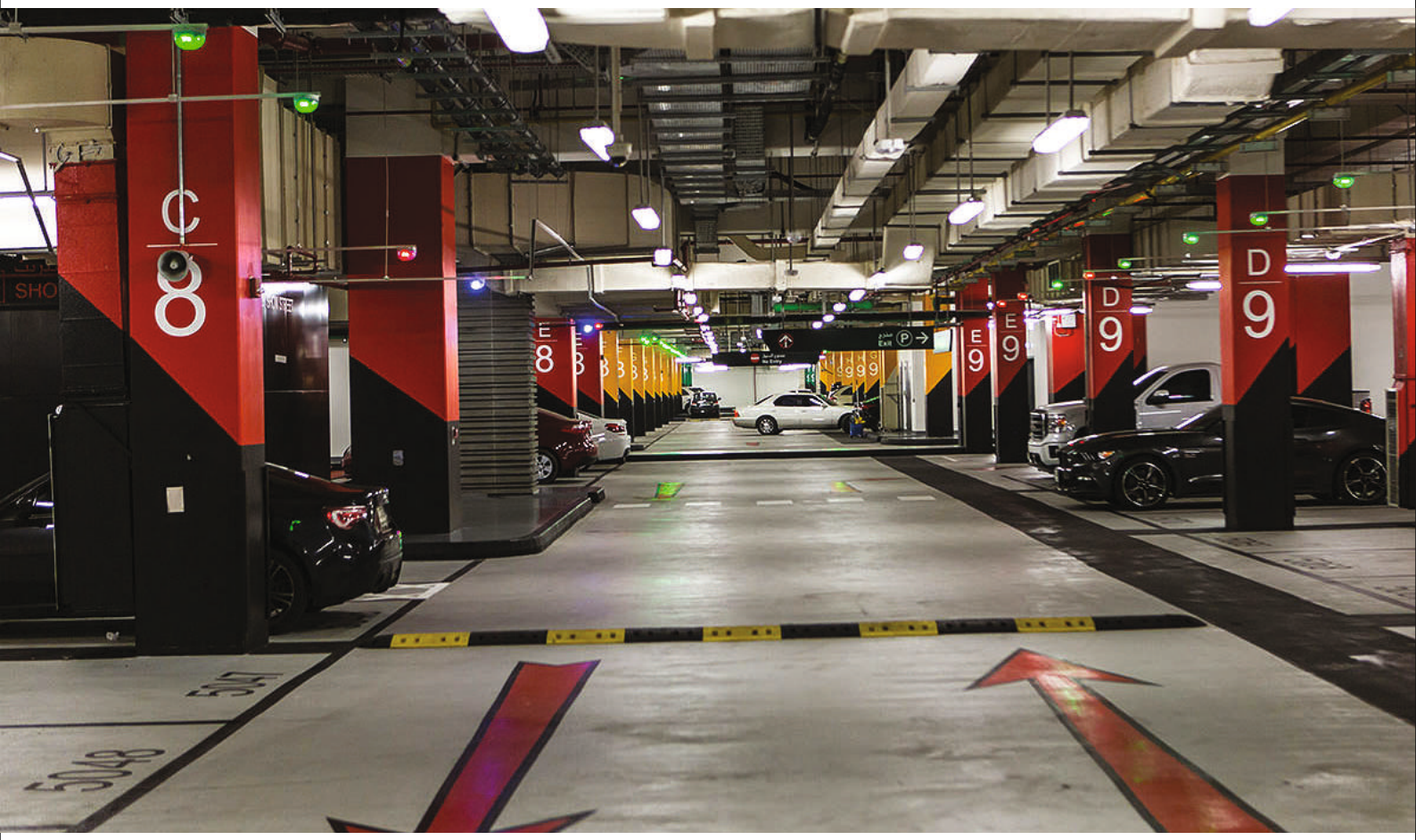
Exit barcode is scanned at the exit process.

Features of Ticketed Parking System

- User-friendly interface
- Touch screen
- Barcode ticketing
- License number entry on touch screen
- RFID Card Reader
- Paper money recognition unit
- Detects different currencies
- Coin acceptor unit
- Returning changes
- Printing Payment Receipt
- Credit Card Integration (Optional)
- Cash Register Integration (Optional)



PARKING GUIDING SYSTEMS



White Rose Parking Guidance System has been developed to provide faster and efficient parking for vehicles in the parking lot.

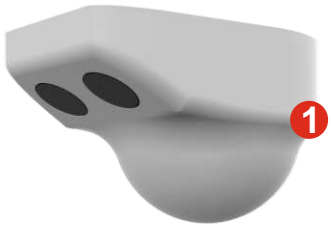
Thanks to this system, vehicles will be redirected to empty parking point without wasting unnecessary fuel or spending time at the parking lot. in addition, with the information screens, the driver will be able to see how much free parking space is at each corridor.

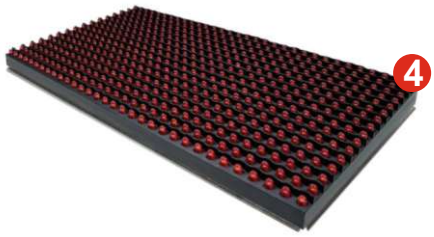
For each vehicle in the car park, the parking space is monitored by a sensor. if the parking space is full, the module on the parking lot is red and the green is green. The module can also turn blue and show that the parking space is only for the disabled. in this way, a driver entering the parking lot can find whether there is empty parking space by following the green lights, so that he does not have to search all the corridors in the park and search for permanent parking.

The system software detects number of vehicles in the car park and number of empty car parks in the car park floors and informs the driver of the number of free spaces with the LED dashboards. in this way, the driver is directed to the parking spaces in the car park entrances, and in the empty parking spaces.

Operating Voltage	5V
Power Consumption	0.5W
Detection Method	Ultrasonic
Detection Distance	4mt
Detection Range	±15°
Operating Temperature	-10°C ~ +55 °C
Communication Interface	RS485 + Ethernet
Address Encoding	DIPSW
Size	60*60*100mm
Weight	300gr

Features of Parking Guidance System





- Red - Green - Blue Led Indicators Corridor counter •
- information indicators •
- Sensor and indicator in the same module •
- Sensing distance up to 4mt Control module that •
- Communicates up to 32 devices •
- Communication over single cable line •
- Advanced reporting •
- Real-time viewing of parking information •
- Blue-Color lighting for people with disabilities •

	SET CONTENT
1	Sensor and Indicator Module
2	Control card
3	Power source
4	Counter Indicator
5	Management Software
6	Server Computer
7	Network Switch
8	Main Input Indicator Display

In this way, the driver is directed to the parking spaces at the car park entrance, and in the empty parking spaces.

The system software detects number of vehicles in the car park and number of empty car parks in the car park floors and informs the driver of the number of free spaces with LED dashboards

AUTOMATIC PASSING SYSTEMS

White Rose HGS Passage System is a modern transition system that works with RFID UHF technology developed for entry of only designated vehicles of schools, universities, hospitals, public institutions, residences, building complex and business centers.

The system works in contact with the reader placed at a suitable place with the OGS TAG (Windshield Type Adhesive) fixed onto the vehicle windscreen.

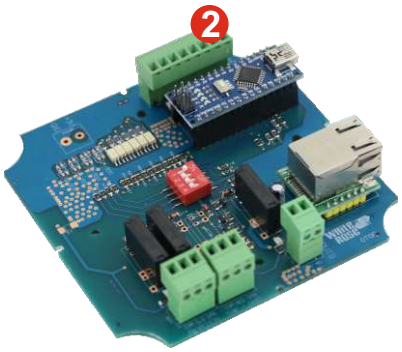
The most important advantage of the system is that the vehicle owner need to do nothing and drives on without interruption.

Reading Distance	Depending on the tag 5 -15 m UHF
Protocol	ISO18000-6B, ISO18000-6C EPC GEN2
Frequency	860 - 1030 MHz European standard
RF Output Power	0-30dBm Software adjustable
Communication	RS232, RS485, Wiegand26/34
Internal Antenna	yield 12dbi
Feeding	12V DC, Current consumption less than 3A
Operating temperat	ure - 20 °C / +70 °C

Features of Automatic Transition System

- it can be integrated directly into existing automatic doors and barriers.
- it provides easy, fast and safe passage without requiring control or similar devices. it works smoothly in all environments.
- it is not affected by weather conditions -snowy, rainy, windy etc.
- Advanced Reporting (Optional).
- PC Control Software.
- Easily adds subscribers via Excel.
- Defines or cancels an easy access to different waypoints.
- Follows-up subscribers.

	SET CONTENT
1	RFiD Antenna
2	Control card
3	Antenna Mast
4	RFiD Tag
5	Power Adapter
6	PC Software (optional)



4

WHITE ROSE www.whiterose.com.tr

26179

Type	DN 3SR DC	DN 4 DC	DN 6 DC
Maximum arm length	2mt	4mt	5,8mt
Protection rating	IP54		
Power supply	230 V 50/60 Hz		
Motor voltage	24 V		
Control unit	H-TECH 70		
Average current	2 A		
Maximum power	120 W		
Opening time	1,5sn	4,5sn	
Maximum torque	95 Nm	286 Nm	
Continuously of operation	100%		
Limit switch type	Electromechanical		
Impact reaction	Current control regulator		
Slow down	Available		
Manual use	Switch on Reductor		
Working temperature	-20°C min +70°C max		
Battery support	Optional		
Safety system	Wireless Safety Photocell		
Barrier weight	42 Kg	42 Kg	42 Kg

DYNAMIC AUTOMATIC BARRIER

The Dynamic Barrier brings together a brand new structure, a convenient control system, functionality and more It ensures that parking lots are effectively under control by preventing misuse events. In addition, it is equipped with a LED system that is green when the barrier is open and red when it is closed.

Type	PL 3SR DC	PL 4 DC
Maximum arm length	2mt	4mt
Protection rating	IP54	
Power supply	230 V 50/60 Hz	
Motor voltage	24 V	
Control unit	H-TECH 70	
Average current	2 A	
Maximum power	120 W	
Opening time	1,5sn	4,5sn
Maximum torque	95 Nm	286 Nm
Continuously of operation	100%	
Limit switch type	Electromechanical	
Impact reaction	Current control regulator	
Slow down	Available	
Manual use	With personal key	
Working temperature	-20°C min +70°C max	
Battery support	Optional	
Safety system	Wireless Safety Photocell	
Barrier weight	40 Kg	40 Kg

PARS AUTOMATIC BARRIER

It has an aesthetic appearance with rounded contours and is protected against rust and corrosion by a complete aluminum body. It is compatible with all kinds of access control system with microprocessor control panel. Operation sustainability with 24V DC Motor is 100% and it offers an error-free solution even in case of heavy uses.

SMART BARRIER

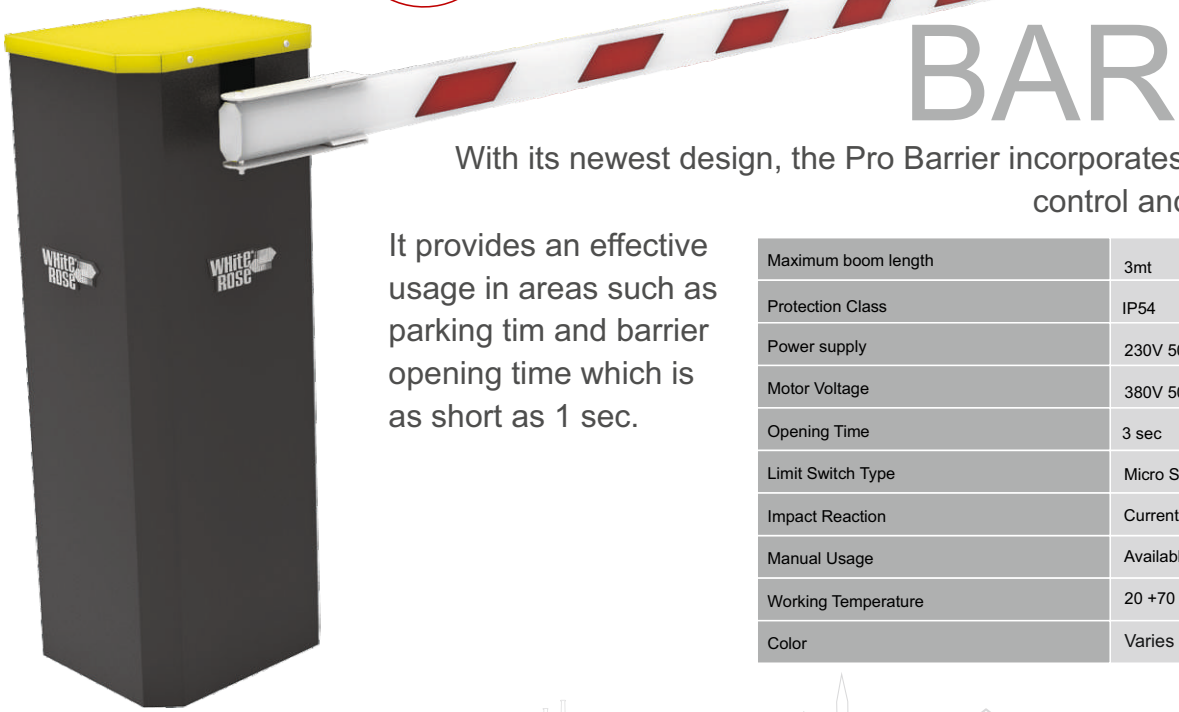
NEW PRODUCT

Features of Smart Barrier System

- Opening in less than 4 seconds
- Safety Photocell
- Warning Lamp
- Sleeve Six Led
- Digital switch adjustment
- Control via USB connection
- Remote PC control via Ethernet connectionn
- Easy to update all barrier settings via tablett

PRO FAST BARRIER

NEW PRODUCT



With its newest design, the Pro Barrier incorporates functionality, practical control and many useful features

It provides an effective usage in areas such as parking tim and barrier opening time which is as short as 1 sec.

Maximum boom length	3mt
Protection Class	IP54
Power supply	230V 50 - 60 Hz
Motor Voltage	380V 50 - 60 Hz
Opening Time	3 sec
Limit Switch Type	Micro Switch & encoder
Impact Reaction	Current Control Adjusting
Manual Usage	Available
Working Temperature	20 +70
Color	Varies by Demand

WWW.WHITEROSE.COM.TR

CAR PARK SOLUTIONS

LICENSE NUMBER RECOGNITION SYSTEMS

TICKETED PARKING SYSTEMS

AUTOMATIC PAYMENT SYSTEMS

PARKING GUIDING SYSTEMS

AUTOMATIC PASSING SYSTEMS