



# LEADING CAR PARKING SYSTEMS AND SECURITY PRODUCTS



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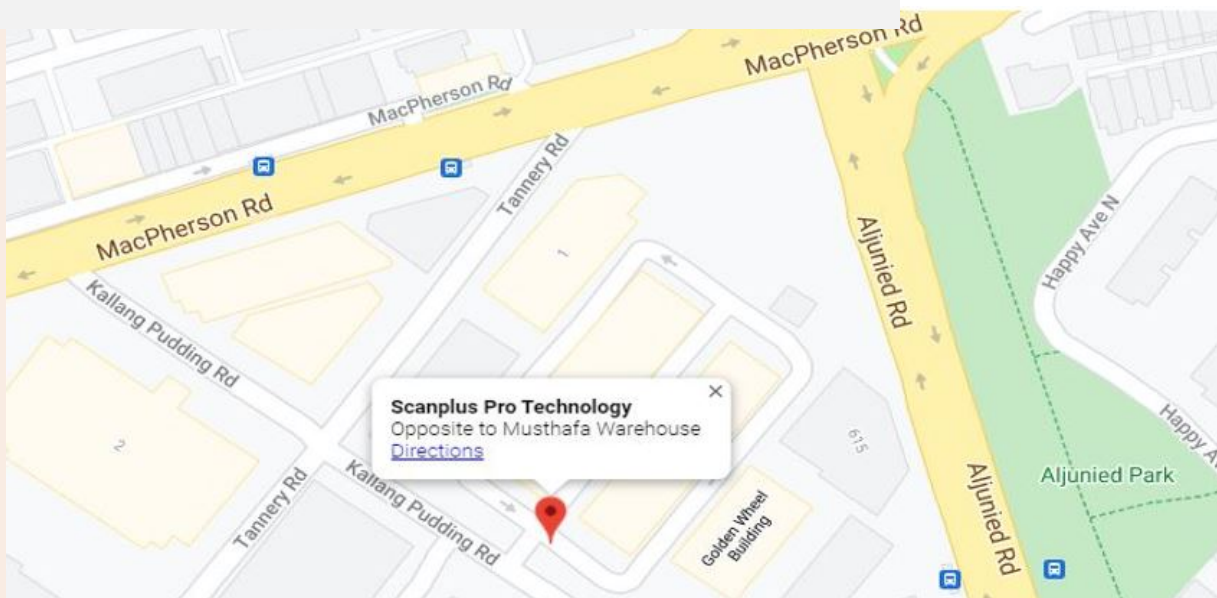


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# ABOUT US

Scanplus Pro Technology is a privately owned Singapore company established in 1992 with the intention of going beyond simply selling Parking, Revenue and Access Control Equipment but to provide the design, installation, commissioning plus ongoing services to ensure complete utility and satisfaction of your system. For Scanplus Pro Technology, traffic safety is where it all started. Since 2000, our mission is to provide safer roads and save lives. We provide to various customer in Singapore for condominium, factory, warehouse, industrial building and JTC projects. This is a dynamic company where employees are eager to succeed. Individuals are motivated and have a lot of company pride; the work environment is vibrant. We represent products or agencies covering almost all aspect of car park needs, dealing in Cash Card Parking Systems, Electronic Parking Systems, Revenue and Access Control System, License Plate Recognition System (LPR), Signage, Car Park re-surfacing, Parking tickets, Cashier Booth, Carpark safety products and CCTV security system.





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Carpark system in Singapore has ERP technology. A high-speed antenna at the entry lane will read the IU (In-car Unit, available on all Singapore cars), the system will store the information in the database and lifts the high-speed barrier. We have all technologies related to carpark system as per client's request.



# FULL-EPS CAR PARK SYSTEM

Full-EPS will allow the vehicles-in which has setup with IU make the visitor and season to enter automatically without inserting cash-card or tapping flashpay or CPASS II in both entry and exit station. They are mainly used in busy sites where there is more traffic or many vehicles always moving or rushing to exit at same time.

## Entry Operation for Visitor and Season

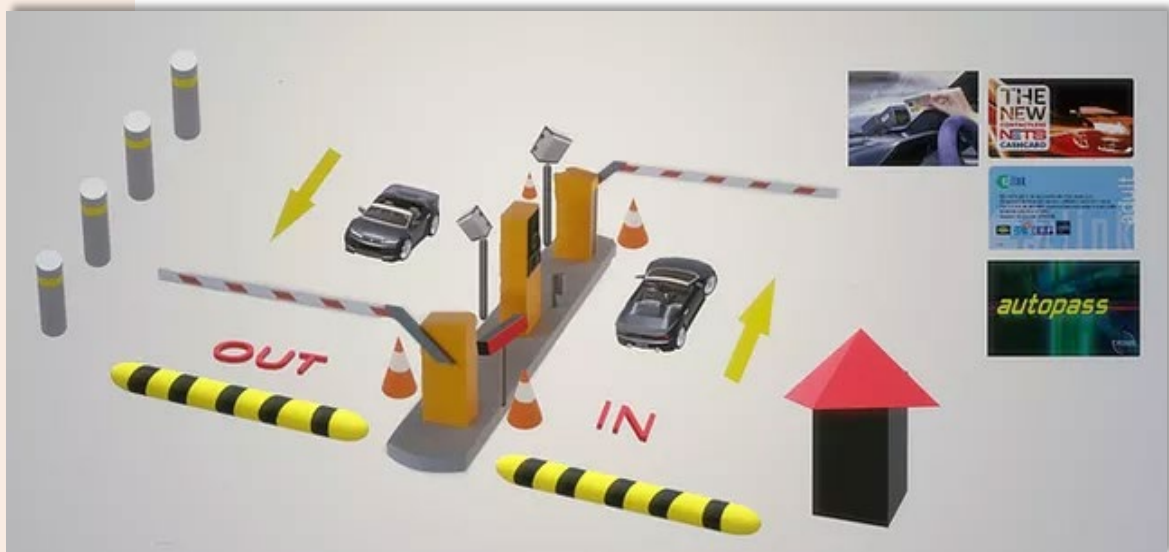
- 1) The system utilizes the ERP-like technology to read the In-Vehicle Unit (IU) of the vehicle for them to gain access to the carpark.
- 2) The IU number is captured by the EPS Antenna and the barrier will be open automatically.
- 3) The process of reading the IU and barrier open take less than 2 seconds and the entry record will then be sent to the system PC.

## Exit Operation Season

- 1) The same process will apply to all season holders; however, no charges will be imposed when season exit.

## Exit Operation Visitor

- 1) Upon exit, the IU number of the vehicle is captured, the information will then be matched with the entry record to tabulate the parking fee with Charging Unit (CHU), the system will automatically debit from the Cashcard or CEPAS card in the IU, barrier will be open automatically after a successful deduction.



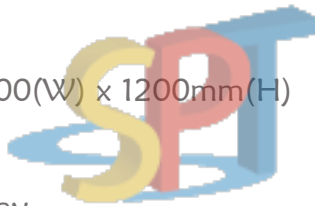
## Requirements

- 1) Station (Entry/ Exit)
- 2) Hardware Processor/ NETS UPOS/LTA System (CHU)/ Cashcard Reader/NETS CPT
- 3) Entry and Exit Antenna
- 4) Management Station with Windows OS and Processor (\*processor/ windows can be upgraded)
- 5) Intercom connection between entry, exit and management office/guard office

## ENTRY AND EXIT STATION

### Entry Station

- **Dimension:** 330(L) x 400(W) x 1200mm(H)
- **Power Supply:** 230V/AC
- **Display:** LCD Display
- **Colour:** Yellow casing and Black
- **Parking Interfaces:** Cashcard Reader/ CPASS II Reader/NETS UPOS reader
- **Software:** Parking Software
- **Communication:** Intercom



### Exit Station

- **Dimension:** 330(L) x 400(W) x 1200mm(H)
- **Power Supply:** 230V/AC
- **Display:** LCD Display
- **Colour:** Yellow casing and Black
- **Parking Interfaces:** Cashcard Reader/ CPASS II Reader/NETS UPOS reader/Thermal Receipt Printer/Barcode Reader for Complimentary
- **Software:** Parking Software
- **Communication:** Intercom



## LED INSTALLATION

LED is installed in the Carparking area where the driver can see the status of the parking area as well as the entry or exit operation which helps to clearly understand.

We have two types of LED that are used in car park system. They are Full-Sign LED where the LED displays the number of slots available in the parking area. Another one is Message LED where it is used to display the operational procedure happening at the time of entry and exit.

### Full-Sign LED

These LED will display the number of lots available in the car parking area. They are installed near the entry station or at the entrance of the car park so driver can easily check for the lots available in the car parking area.



### Message LED

Message LED are used both in entry and exit. They are mainly used to view the operation happening for the driver. The message display can be adjusted according to customer/management needs. Main or ideal messages display the car park name/season/visitor entering or exiting the car park/ greeting message/parking fee.





# SEMI-EPS CAR PARK SYSTEM

Semi-EPS will allow the vehicles-in which has setup with IU make the visitor and season to enter automatically without inserting Cashcard or tapping flashpay or CPASS II. For Exit station, only the visitors need to make payment with the above cards if it exceeds grace time.

## Entry Operation for Visitor and Season

- 1) The system utilizes the ERP-like technology to read the In-Vehicle Unit (IU) of the vehicle for them to gain access to the car park.
- 2) The IU number is captured by the EPS Antenna and the barrier will open automatically.
- 3) The process of reading the IU and for the barrier to open takes less than 2 seconds.
- 4) The entry record for season will be displayed as season and for visitor displayed as visitor. The table in simple have entry date and time, exit date and time, duration, cashcard number (for people whose money is debited by Cashcard/Flashpay) and IU number for grace period.

## Exit Operation for Visitor

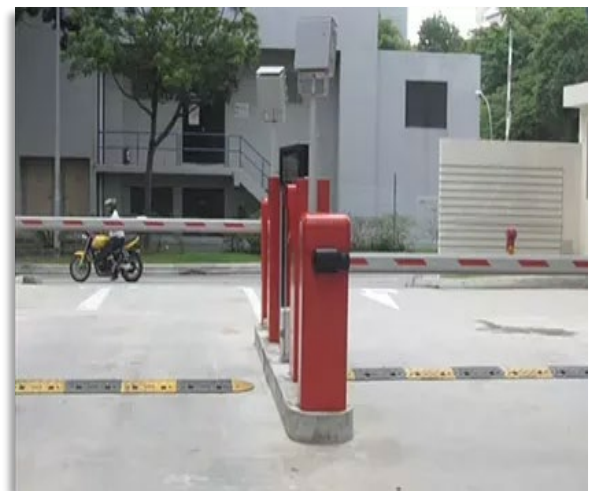
- 1) Upon exit, the IU number of the vehicle is captured.
- 2) The information will then be matched with the entry record to tabulate the parking fee, and the driver will need to insert a Cashcard / Flashpay card or CEPAS II card into the Exit Station to make payment.
- 3) The barrier will open automatically after a successful deduction. For Visitor who exits within grace period also the barrier opens automatically.

## Exit Operation for Season

- 1) The same process will apply to all season holders; however, no charges will be imposed when season exit. The season holder is not needed to insert the cashcard/Flashpay to exit. The antenna will automatically detect season IU and open barrier.

## Requirements

- 1) Station (Entry/ Exit)
- 2) Hardware Processor/ NETS UPOS/ Cashcard Reader/NETS CPT
- 3) Entry and Exit Antenna
- 4) Management Station with Windows OS and Processor (\*processor/ windows can be upgraded)
- 5) Intercom connection between entry, exit and management office/guard office





# CASHCARD CAR PARK SYSTEM

When the vehicle approaches the car park entry or exit, the system will wait for the customer to insert the cash card or tap the flashpay for the barrier to open in the absence of IU. Since there is no antenna needed for this parking system, the cost is very much saved.

## Entry Operation for Visitor and Season

- 1) Driver can enter the car park by using cashcard or flashpay in the entry station as there will be no antenna used to read the IU
- 2) The station processor will read the cashcard or flashpay and open the barrier.
- 3) The table in system PC have entry date and time, exit date and time, duration, cashcard number (for people whose money is debited by Cashcard/Flashpay).
- 4) We have now upgraded our car park system according Singapore NETS / LTA requirements where we now use NETS UPOS for the exit and entry operation.

## Entry Operation for Visitor

- 1) Upon exit, the information will then be matched with the entry record to tabulate the parking fee, and the driver will need to insert a Cashcard / Flashpay card or CEPAS II card into the Exit Station to make payment.
- 2) The barrier will open automatically after a successful deduction.

## Entry Operation for Season

- 1) The same process will apply to all season holders; however, no charges will be imposed when season exit.
- 2) The season parking holders will be using their cashcard or flashpay card for exit since there will not be antenna to read the IU.



## Requirements

- 1) Station (Entry/ Exit)
- 2) Hardware Processor/ NETS UPOS/ Cashcard Reader/NETS CPT
- 3) Entry and Exit Antenna
- 4) Management Station with Windows OS and Processor (\*processor/ windows can be upgraded)
- 5) Intercom connection between entry, exit and management office/guard office



# VEHICLE ACCESS CAR PARK SYSTEM

Access control barrier system helps to track the vehicle entering and exiting in the car park area which is widely used in the condominiums to manage trafficking of cars of both season and visitor. This system will help to get the visitor information like IU of visitor under the supervision of the management security. Also, the barrier will open automatically for the season parking cars without any interference with the IU detection and with our reliable parking management software.



Apart from LPR (License Plate Recognition), this vehicle access system will be very useful in condominiums where our system will work under both the supervision of security management and in the absence of security management. We have various control systems for access control to work without the supervision of security management and will deploy the system according to customer requirement.



## Entry Operation for Visitor and Season

- 1) The system utilizes the ERP-like technology to read the In-Vehicle Unit (IU) of the vehicle for them to gain access to the carpark for season.
- 2) The IU number is captured by the EPS Antenna and the barrier will be open automatically for season.
- 3) The entry record will then be sent to the System PC and the entry record for season will be displayed as season.
- 4) The guard in the guard office will have control over visitor parking by opening the entry barrier manually and the IU will be saved in the system PC.
- 5) If the guard set the control system in auto mode, the visitor barrier will auto open for visitor with many security products like CCTV.

## Exit Operation for Season and Visitor

- 1) The same process will apply to all season holders; however, no charges will be imposed when season exit and visitor exit.

## Areas where we use

- 1) Landed Property Areas and Condominiums
- 2) Hotels and Parks
- 3) Shopping Centres and Malls
- 4) Any Private Areas
- 5) Resorts and Recreation Centres

## Requirements

- 1) Station (Entry/ Exit)
- 2) Hardware Processor/ Controller/ Input Output
- 3) Entry and Exit Antenna
- 4) Management Station with Windows OS and Processor (\*processor/ windows can be upgraded)
- 5) Intercom connection between entry, exit and management office/guard office

# LICENSE PLATE RECOGNITION SYSTEM

The technology of image processing is in the wide range of usage in all aspects and so LPR is one of the greatest digital processing to scan the image and convert to alpha numeric data to be stored in the field of transportation. It is simple and yet effective way of detecting the number in license plate with camera and then with the help of Optical Character Recognition (OCR) software tool, the captured image is stored as data in the server. We call this process as simple but for the computer system it is quite difficult to handle these images. But with our powerful software tool and durable license plate camera, we have achieved the image recognition with the accuracy of 99% in efficient way. Please call to our hotline number or live chat with our technical support team for achieving knowledge and to get our efficient product.

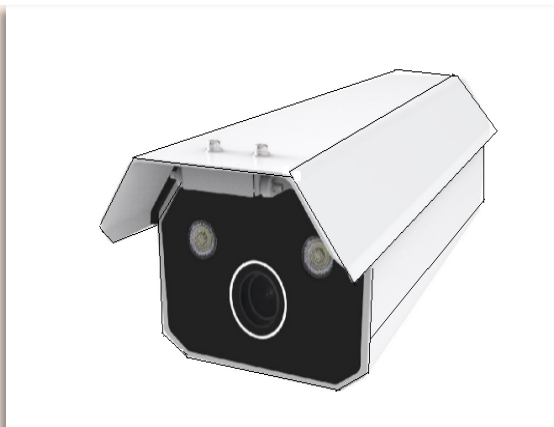
## How it Works

- 1) First the car will approach the barrier to enter the parking area
- 2) As soon as the car approach the controlled area, the Licence Plate Camera will automatically get the image of the licence plate in the car
- 3) The camera which is having I/P network configuration will send the image of the car's licence number through the network switch to the central server or data storage system
- 4) The data storage system which has OCR software installed has OCR algorithm will convert the image to data format
- 5) OCR output will check for the car number is valid Singapore license number
- 6) If the data format number is whitelist (approved number) the server will send the signal to the barrier controller to open the barrier for the car. And if the data format number is blacklisted, the barrier will not open for the car.



## LPR Camera Product Features

- 1) Ultra HD 4 million pixels (1440P)
- 2) All-day vehicles capture rate is higher than 99.9%.
- 3) Adopt video compression technology H.264 for video encoding and capture frames using JPEG encoding.
- 4) Support manual key reset, you can restore the initial IP address, username, password and restore the default factory configuration with one click
- 5) Support configuration file import backup
- 6) Support cloud control functions

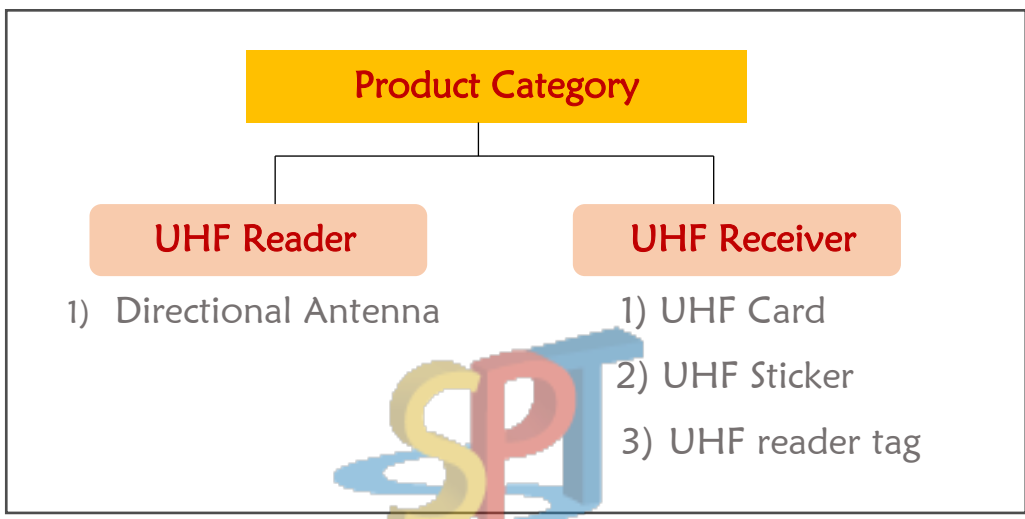


# LONG RANGE READER

Radio-Frequency Identification (RFID) will use electromagnetic field (EMF) to automatically identify the object which is attached. The object is comprised of transmitter, receiver, and transponder. So, the RFID technology used in the car park installation for the purpose of open close the barrier for the vehicle without payment option in which the long-range proximity reader act as transmitter, vehicle frequency as receiver with transponder in the form of card, tag, or sticker. So, when triggered by electromagnetic interrogation pulse from any RFID reader, the transponder will transmit the digital data to the number thereby the data server identifies the data number and open the barrier for the vehicle. Highlighted



is our company is certified to provide the customers with long range proximity reader and hence we are one of the leading technologists in Singapore to provide and install long range proximity reader. Many sites and some landed property projects are looking for long range reader system for installation where they do not have any EPS payment option due to high price of antenna and so long-range reader are the perfect solution to the place or sites where they use the car park only for season parking vehicle and so it is very reliable and best option to opt for.



## UHF Reader

- 1) Frequency band of 920-925 MHz power which is approved range of Frequency in Singapore is followed
- 2) Low power radio equipped category where the power is less than 0.5W in which it is as environmental standards
- 3) Reading distance 1) is up to 10m
- 4) Reserve RS232 interface which can be connected to PC to input the data
- 5) Support eligible ISO1800-6B, ISO1800-6C (EPC G2) protocol passive RFID cards
- 6) Directional antenna technology, recognizes only the front of the card reader





## UHF Receiver

The below long-range reader can accept the following 3 types of specification to have access to barrier system. All the three specifications will be read up to 10 m and they are highly reliable to waterproof, and the electromagnetic receiver is very effective.

## UHF Card

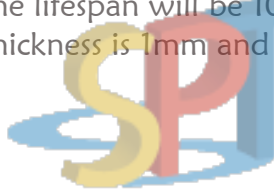


- 1) UHF card is made of Perfect Electrical Conductor material that withstand heat at vehicle windshield
- 2) Up to 15 m in air, the reader can identify the card
- 3) Best distance between car windscreen and card minimum 10 mm clearance

## UHF Sticker



- 1) UHF sticker which is attached with plastic surface of the car is waterproof and sunlight proof
- 2) The lifespan will be 10 years
- 3) Thickness is 1mm and is very compact-able to use

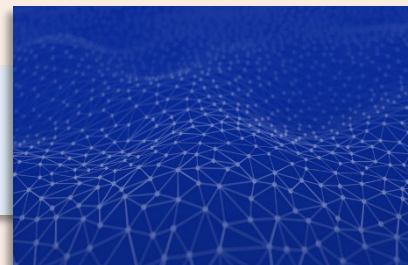


## UHF Reader Tag



- 1) Up to 15m in air, the reader can identify the card.
- 2) Best distance between car windscreen and card minimum 10mm clearance.
- 3) Multiple reading capability that they can be used to read 50-100 tags
- 4) Operating temperature is typically 20°C to 65°C

# SECURITY SYSTEMS



Installing security systems is an expert job and can be a simple and secure process in the right hands and we are the right one to choose for. So, depending upon the customer needs, we do security systems and installation in corporate companies, any business hubs and for home securities. Some locations such as a corporate office may need a higher level of security so you do really need to deal with a company that can offer this to minimize the chances of something going wrong and so we know the requirements as per customer needs. Our company is very expert in deploying to provide the best security systems and fully protected for your investment. Our technical expertise with the best solution provider will always understand the purpose of security and practices the correct procedure to meet the value of protection. So, we have CCTV security system and access control systems which is called door access system for the effective usage of security systems.

## CCTV SECURITY SYSTEM

### What We Provide



We provide best offers for the set-up CCTV systems which will provide you the world class security. As we all know how CCTV is very important to our country. So, we understand the market standards as well as the customer need to provide the best security with our various CCTV system types and help the customer to understand the new technology moving towards the security areas. Our engineers will always help you to find the best solution of the configuration of security systems.

We basically specialized in providing IP Cameras (Network Cameras), Analog Cameras (Classical Cameras), Wi-Fi series Cameras, also solar based cameras. Every type of cameras has their own uniqueness and provided according to the necessity of the customers.

### Network I/P Cameras

The IP camera will send the image data to the network centre with the help of network or LAN connection. The image data of the everyday transaction will be saved in the central Digital Video Recorder (DVR) with all the LAN cables connected to DVR with Network Switch. All the video management of the cameras which are saved in DVR with the physical HDD or Cloud storage (Google Drive/Drop Box) in the DVR system.

The IP cameras connected with the DVR system will be accessed with your mobile device and can view the camera movements anytime. The viewing of camera with the mobile device is possible by just scanning the specific QR code of the DVR system in a secured way.



Below are some types of network IP cameras which are installed in the sites. These wide range have their own uniqueness which setup is done in accordance with the views and position of the area to be installed. Our expertise technicians and supervisor will advise the customer how the cameras are installed in each area of coverage. Our company will give you the best package of installing the CCTV systems with our wide range of IP cameras, DVR and NVR.



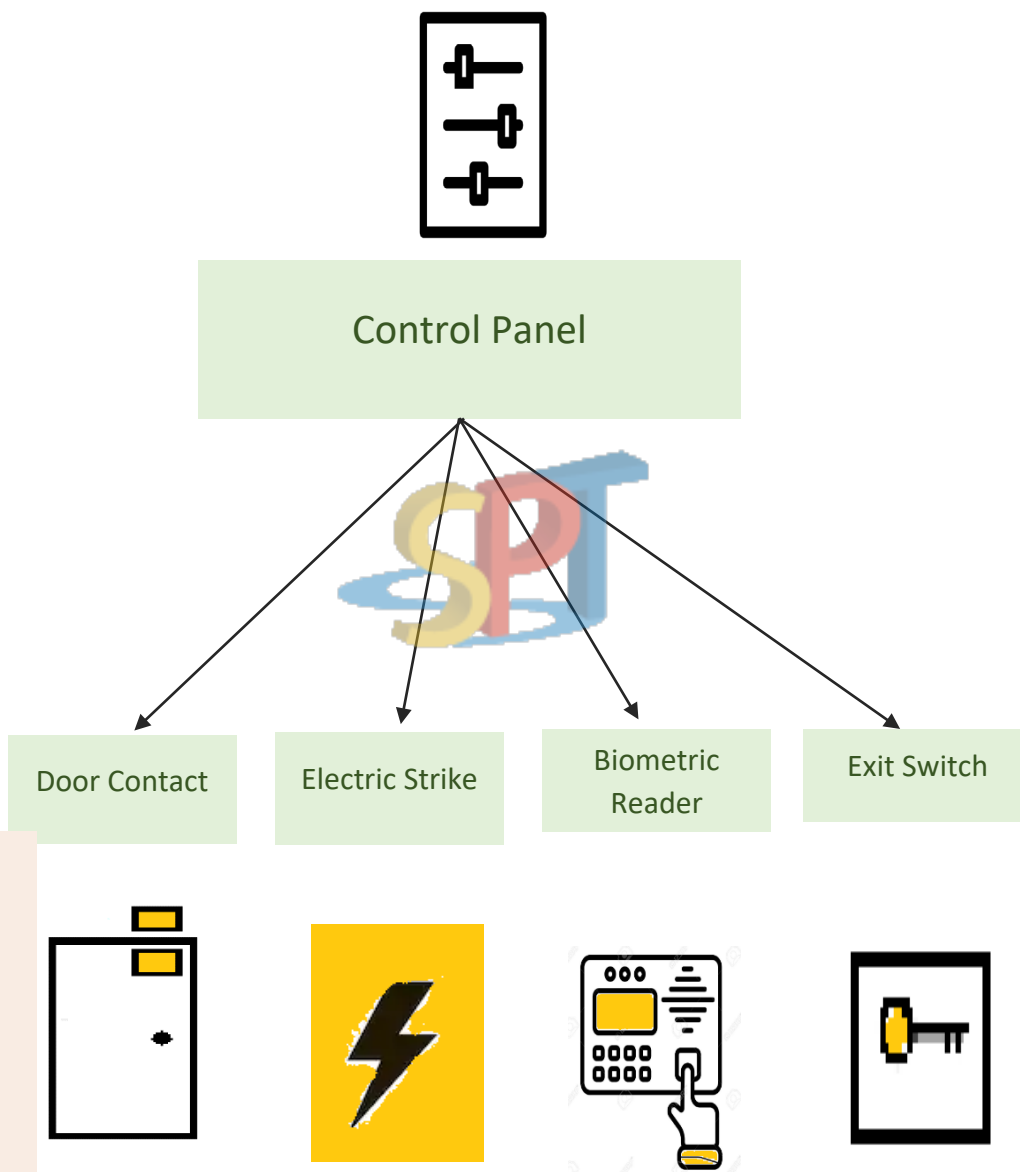
Scan the QR code for more camera configuration information as we will install the cameras as per your customer requirements and our technical expert will help you to know information of installation.



# ACCESS CONTROL SYSTEM

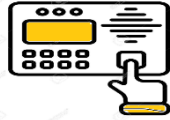


Door access control system as we all know the importance in building managements and sites where we provide the total solution to both door access control as well as intercom systems. This is the standalone system by interface with biometric reader, door sensor and alarm system when breach happens. Our company focuses on access and intercom controller, biometric control system, card scanner system to access the door, intercom solutions and real-time system monitor. We offer different kind of designed equipment systems to have customization as request. So, these monitoring products are always be welcomed as we know the importance of these control systems in Singapore. We do single door proximity control as well as double door proximity controls depending upon customization requirements.



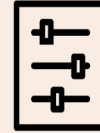


## Access Control System



This panels are equipped with RS-485 multi-drop interface, then the server, (via an RS-232 to RS-485 converter which is used as the central database system. The Access Control System can be fingerprint terminal / card terminal / facial recognition terminal. So, we need to input the security number or save the data according to the above terminal and is sent to the control panel.

## Control Panel



This will provide the gateway between the control points (door, check point) and the access control system server. On the door side, they process the reader data, report the door position (open, closed), accept a request to exit from the secure side, and order the electric door strike to open, or remain closed.

## Door Contact



The reader will be composed of wire winding to produce electric field where the card is composed of magnetic field. This magnetic field is then converted to electric field thereby the data which has the user information is transferred from card to reader for card terminal for and the data will be sent as packets of user information for fingerprint and facial recognition terminal. The reader then transmits the data to the control panel which activates a relay to apply power to the door strike to open.

## Access Control System



The electric strike is a solenoid actuated device which will release the lock so that the door will be opened only by pushing the door. They are made up of magnetic locks which is held by the door frame part of the lock.

## Electric Switch



When we press the exit switch, the circuit which is normally de-bounced will be opened which is used to release the lock of the door to allow the person to exit from secured area.

## Our Product Categories



- Compact and well designed for card swapping which provides high usage of storage
- Have authentication protocols designed to give authority to the client with device
- Highly secured alarm connected when invalid card is swapped



- Processor using 32 bit
- Prompt beeper which supports authentication with pin number function
- Less power consumption



- Uses TCP/IP communication
- More than 1000 user fingerprints are stored as data
- Generates reports automatically
- Downloading the data with external storage very easily and the data specification will be very clear to understand by human
- LED Display to show the status which uses optical fingerprint module



# ROAD SAFETY PRODUCTS

## BARRICADE

An improvised barrier erected across parking areas or other control of trespassing areas or other thoroughfare to prevent or delay the movement of opposing forces. We have many barricade expansion lengths and will be designed according to customer's needs.

**Aluminium Barricade**



Dimension	Expansion of 3 m approx
Height	8-10 m approx.
Weight	10 kg
Criss- Cross Thickness	4.5 m
Material	High End Aluminium
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	BAR3



## BOLLARD

Bollards are the post installed to control road traffic and posts designed to prevent ram-raiding and vehicle-ramming. Permanent bollards can be used for traffic-control or terrorist prevention purposes. These bollards protect utilities, electronics, machinery, buildings, or pedestrians from accidental collisions by vehicles, including passenger vehicles, transport trucking and forklifts.

**Stainless Steel Bollard Fixed**



Dimension	1000 x 140 mm
Type	Outdoor and Indoor
Colour	Silver
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBLF140

**Stainless Steel Bollard Fixed**



Dimension	1000 x 114 mm
Type	Outdoor and Indoor
Colour	Silver
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBLF114

**Stainless Steel Bollard Fixed**



Dimension	1100 x 168 mm
Type	Outdoor and Indoor
Colour	Silver
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBLF1100

**Stainless Steel Bollard Fixed**



Dimension	900 x 165.2 mm
Type	Outdoor and Indoor
Colour	Silver with Red Reflective Shielding
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBLF900

**Stainless Steel Bollard Fixed**



Dimension	1050 x 200 x 5 mm 1050 x 200 x 3 mm
Type	Outdoor and Indoor
Colour	Silver with Yellow Reflective Shielding
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBF1050 SSBLF1000

**Retractable Bollard**



Dimension	1000 x 110 x 3 mm
Type	Outdoor and Indoor
Colour	Silver with Yellow Reflective Shielding
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBLF1000

**Stainless Steel Bollard Fixed**



Dimension	900 x 168 x 3 mm
Type	Outdoor and Indoor
Colour	Silver with Yellow Shielding
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBLFY900

**Stainless Steel Bollard Fixed**



Dimension	1200 x 140 x 3 mm
Type	Outdoor and Indoor
Colour	Silver Colour
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSFB1200

**Stainless Steel Bollard Fixed**



Dimension	850 x 450 mm
Type	Outdoor and Indoor
Colour	Red and White Paint (non-corrode)
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBF850

**Impact Resistance Bollard**



Dimension	1000 x 168.3 mm
Type	Outdoor and Indoor
Colour	Silver with Yellow & Black Shielding
Impact Resistance	70 km/h impact
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	IRB1000

**Stainless Steel Bollard Removable**



Dimension	900 x 165.2 mm
Type	Outdoor and Indoor
Colour	Silver with Yellow & Red Shielding
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBR900

**Stainless Steel Bollard Removable**



Dimension	750x 75 mm
Type	Outdoor and Indoor
Colour	Silver with Yellow Shielding
Material	Stainless Steel
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBR900

**Stainless Steel Bollard Removable**



Dimension	1000 x 140 x 3 mm
Type	Outdoor and Indoor
Colour	Silver with Yellow Shielding
Base Shape	Circular with 4 screws
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	SSBR1000

**Flexi Soft Bollard**



Dimension	750 x 80 mm
Type	Outdoor and Indoor
Colour	Silver with Yellow Shielding
Weight	0.25 kg
Grade	Economic Grade
Application	Accident Warning / Road Safety
Ref Number	FB1000

**Spring Bollard**



Dimension	1500 x 900 m
Post Diameter	60 mm
Colour	White and Red Reflective Sticker
Type	Outdoor and Indoor
Grade	Economic Grade
Property	Spring comes to original position
Application	Accident Warning / Road Safety
Ref Number	SPB1500



# COLUMN GUARD



Column guard is used to prevent the scratches happening in the wall by providing a durable rubber like material and to avoid damage happening to the car in the parking area slot. Made of special material, it is good from 40° Celsius to 135°Celsius. Supplied in black and Reflective yellow to improved night-time visibility.

**Plastic Column Guard**



Dimension	1000 x 100 x 10 mm
Material	Plastic
Colour	Black with Yellow Shielding
Type	Fencing
Grade	Economic Grade
Application	Garage/Parking Lots
Ref Number	CGT1000

**Rubber Column Guard**



Dimension	1000 x 100 x 20 mm
Material	Rubber & Steel
Colour	Black with Yellow Shielding
Type	Fencing
Grade	Economic Grade
Application	Garage/Parking Lots
Ref Number	CGSR1000

**Stainless Steel Column Guard**



Dimension	1000 x 75 x 20 mm
Material	Stainless Steel
Colour	Silver Colour Reflective Anti-corrode
Type	Fencing
Grade	Economic Grade
Application	Garage/Parking Lots
Ref Number	CGS1000

**Plastic Column Guard**



Dimension	1100 x 100 x 10 mm
Material	Plastic
Colour	Black with Yellow Shielding
Type	Fencing
Grade	Economic Grade
Application	Garage/Parking Lots
Ref Number	CGT21000

**Rubber Column Guard**



Dimension	1000 x 100 x 20 mm
Material	Rubber
Colour	Black with Yellow Shielding
Type	Fencing
Grade	Economic Grade
Application	Garage/Parking Lots
Ref Number	CGRT20

**Rubber Column Guard**



Dimension	1000 x 75 x 10 mm
Material	Rubber
Colour	Black with Yellow Shielding
Type	Fencing
Grade	Economic Grade
Application	Garage/Parking Lots
Ref Number	CGRT75

# CAR PARK BARRIER

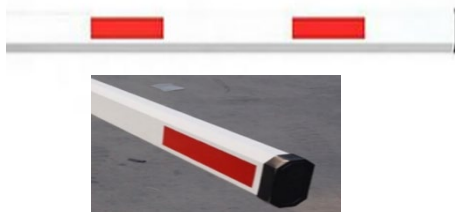


We are ready to provide you the durable barrier arms for the car park safety and payment portal thereby they are anti-corrode heat resistant and water resistant. We have the wide range of purchasing the barrier alone with our company and we have the fast way to supply the car park barrier, which is used in all the car park sites, condominiums in Singapore.

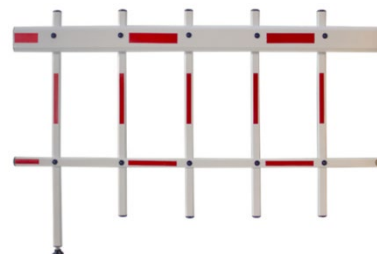
## Foldable Barrier



## Straight Barrier Arm



## Fencing Barrier



Lever Length	6 / 4 m (max, adjustable)
Folding Arm	4.5 m (Max Length)
Material	Aluminium Alloy
Lever Type	Foldable Arm 90° & 180°
Colour	Red and White (As per LTA Requirement)
Type	Fencing
Application	Parking Lots
Ref Number	6m Arm: FLBR6 4 m Arm: FLBR4

Lever Length	6 / 4 m (max, adjustable)
Closing Cup	Durable Plastic
Material	2 m galvanized / Steel Coating(Anti-Corrode)
Colour	Red and White (As per LTA Requirement)
Working Temperature	Approx. 25°C-70°C
Application	Parking Lots
Ref Number	6m Arm: FLBR6 4 m Arm: FLBR4

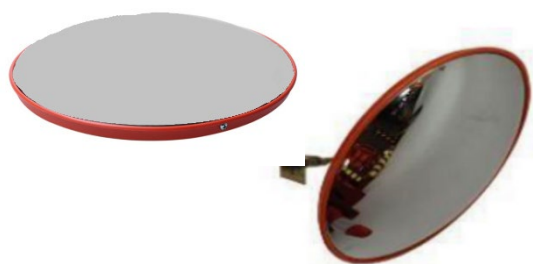
Lever Length	6 / 4 m (max, adjustable)
Remote Distance	Carpark Space within 30 m
Material	2 m galvanized / Steel Coating (Anti-Corrode)
Colour	Red and White (As per LTA Requirement)
Type	Fencing
Application	Garage/Parking Lots
Ref Number	6m Arm: FLBR6 4 m Arm: FLBR4

# CONVEX SAFETY MIRROR



Convex mirrors let motorists see around a corner, especially at parking, garages, and internal lanes. They can also be placed in locations where vehicles are risks of conflicts from blind corners and generally in places with very limited visibility. The support base is helped to mount the mirror in the walls of the area where we need to install the mirror.

## Indoor Safety Mirror



Size	OR 1000 PG, 38 in Diameter OR 800 PG, 32 in Diameter OR 600 PG, 24 in Diameter
Type, Angle & Colour	Indoor, 130° & Dark Orange
Back Material	UV-Absorption Anti Reflector
Glass Material	Polycarbonate (more reliable than glass mirror)
Mounting	Wall / Poll Mounted
Application	Accident Warning
Reference Number	38 Inch: ICM38 32 Inch: ICM32 24 Inch: ICM24

**Outdoor Safety Mirror**



Size	OR 1000 PG, 38 in Diameter OR 800 PG, 32 in Diameter OR 600 PG, 24 in Diameter
Type & Colour	Outdoor & Dark Orange
Back Material	UV-Absorption Anti Reflector
Glass Material	Polycarbonate (more reliable than glass mirror)
Mounting	Wall / Poll Mounted
Application	Accident Warning
Reference Number	38 Inch: OCM38 32 Inch: OCM32 24 Inch: OCM24

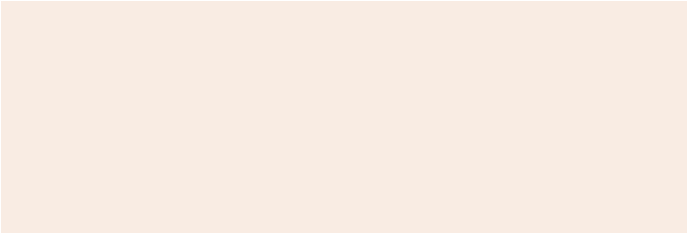
# INDIVIDUAL PARKING



This is used to remind the other car park owner that the lane of car parking is already reserved for the specific person where we should not park the vehicle. They are made up of solar power which is rechargeable for every three months. They should not be removed nor moved until the specific owner asked to move for. Original design of 180° two ways rocker, (The rocker with two ways protection) It's an effective way to avoid the damage which is from outside force Reminding when the voltage is shortage Automatic alarm when hit an obstacle Airtight design stronger waterproof function Two ways protection, power off automatically Strong stability, the maximum of 2 tons.

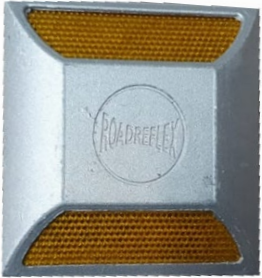


Dimension	460 (W) x 340 (BW) x 410 (L) mm
Material	Steel
Colour	Black Base with Yellow Bar
Power Supply	6V
Remote Control	Up to 30 m
Control System	Sensor Control System
Application	Parking Lots
Ref Number	IP1000



# ROAD REFLECTOR

The road reflector is used to increase the visibility of roadways to the car driver especially during nighttime. They are mainly used to track the road during nighttime and serves as speed resistance material. The demarcation studs are used to delineate walkways, parking bays. Drilling a hole on the surface to be covered by the head of the marker. These studs and reflectors are completely waterproof.



Size	100 x 100 x 50 mm
Material	Aluminium Alloy
Colour	Silver with Yellow Light
Weight	220 g
Type	Cat Eye Road Reflector
Emission	Absorb Solar Light to emit light In absence of light
Application	Road Divider Visibility
Ref Number	RR100



Size	50 x 50 mm
Pole Diameter	8 x 20 mm
Material	Stainless Steel
Function	Safety Protection
Application	Blind People Pathway
Reference Number	RS100

# ROAD HUMPS



Road hump are rubber humps installed to reduce speed of oncoming vehicles in a parking lot, driveway, or private lane. With metal rod retainer, it reduces the chance of hump dislodging from interlocking roads. No painting is required unlike Concrete hump. It will reduce the speed of vehicle to 20 km/h. No need any maintenance required, and the durability of the hump has high tensile strength.



Size	500 x 430 x 50 mm
Screw, Colour	16 Anti-Corrode Screws, Black and Yellow
Material	Rubber/ Industrial Grade Rubber
Weight	12 kg/m
Distance	3 m and more extension
Application	Hotels, shopping malls, Parking Lots
Reference Number	RH100



# SIGNAGE



We install as well as supply our 3M reflective sheeting for all signages. This uses best quality sticker available at reasonable prices. These signages are weatherproof and have better life span of 2-7 years. Customized stickers are available with us but these signage boards we install comply LTA requirements. We have many signage boards which comply with LTA standards. They are mandatory, Prohibitory, warning and information signage boards.

## Mandatory Signage



Size	600 x 600 mm
Reference Number	MS1600



Size	600 x 600 mm
Reference Number	MS2600



Size	600 x 600 mm
Reference Number	MS3600



Size	600 x 600 mm
Reference Number	MS4600



Size	600 x 600 mm
Reference Number	MS5600



Size	600 x 600 mm
Reference Number	MS6600



Size	600 x 600 mm
Reference Number	MS7600



Size	600 x 600 mm
Reference Number	MS8600



Size	600 x 600 mm
Reference Number	MS9600

## Prohibitory Signage



Size	600 x 600 mm
Reference Number	PS1600



Size	600 x 600 mm
Reference Number	PS2600



Size	600 x 600 mm
Reference Number	PS3600



Size	600 x 600 mm
Reference Number	PS4600



Size	600 x 600 mm
Reference Number	PS5600



Size	600 x 600 mm
Reference Number	PS6600



Size	600 x 600 mm
Reference Number	PS7600



Size	600 x 600 mm
Reference Number	PS8600

Information Signage



Size	600 x 600 mm
Reference Number	IS1600



Size	600 x 450 mm
Reference Number	IS2600



Size	450 x 600 mm
Reference Number	IS3600



Size	600 x 600 mm
Reference Number	IS4600

Warning Signage



Size	600 x 600 mm
Reference Number	WS1600



Size	600 x 600 mm
Reference Number	WS1600



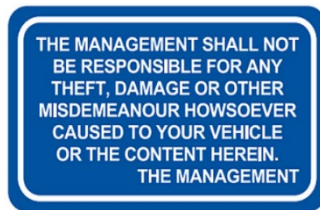
Size	600 x 600 mm
Reference Number	WS1600



Size	600 x 450 mm
Reference Number	WS1600



Size	600 x 600 mm
Reference Number	WS1600



Size	600 x 450 mm
Reference Number	WS1600



Size	450 x 450 mm
Reference Number	WS1600



# WALL PROTECTOR

Wall protectors will prevent damage to both vehicle as well as buildings where the pace in parking area is very small or limited. They have maximum impact protection to prevent scratches in the parking walls. They are designed to absorb, deflect, and minimize the extent of wear from lorries or mass vehicles. They are ideal for commercial business areas, indoor and outdoor facilities, hotel parking, school parking. We have wide range of wall protectors which we sale under our road safety products.

**Rubber Wall Protector**



Size	1000 x 200 x 29 mm
Colour	Black and Yellow
Material	Rubber/ Industrial Grade Rubber
Weight	5 kg
Application	Wall Protection Field / Construction
Reference Number	WBP1400

**Rubber Wall Protector**



Size	1000 x 200 x 29 mm
Colour	Black and Blue
Material	Rubber/ Industrial Grade Rubber
Weight	8 kg
Application	Wall Protection Field / Construction
Reference Number	WBP200

**Dock Bumper**



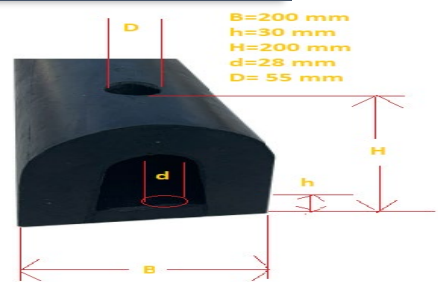
Size	450 x 250 x 102 mm
Colour	Black
Material	Rubber/ Industrial Grade Rubber
Purpose	Anti-Skidding
Application	Wall Protection Field / Construction
Reference Number	DH450

**Rubber Dock Bumper**



Size	750 x 150 x 120 mm
Colour	Black and Yellow
Material	Rubber/ Industrial Grade Rubber
Weight	5 kg
Application	Wall Protection Field / Construction/Parking Lots
Reference Number	RDH750

**D-Type Dock Bumper**



Size	200 x 30 x 200 mm
Colour	Black
Material	Rubber/ Industrial Grade Rubber
Weight	5 kg
Application	Wall Protection Field / Construction/Parking Lots
Reference Number	DTDB1000

# WHEEL STOPPER



Durable rubber parking is equipped with high reflective visibility to be perfect to be laid in road and concrete surfaces. It has bolt receptacles to make it easy for installing anywhere which is made with premium quality rubber to give maximum strength and durable usage for very long time. We have professional grade parking with good yellow tape which is nighttime visibility.

**Rubber Wheel Stopper**



Size	750 x 150 x 100 mm
Colour	Black and Yellow
Material	Rubber/ Industrial Grade Rubber
Application	Garage & Sheds, Parking Areas
Reference Number	WSR750

**Rubber Wheel Stopper**



Size	750 x 150 x 120 mm
Colour	Black and Yellow
Material	Polyethanol
Application	Garage & Sheds, Parking Areas
Reference Number	WSR1000

**Rubber Wheel Stopper**



Size	560 x 150 x 160 mm
Colour	Black and Yellow
Material	Rubber/ Industrial Grade Rubber
Application	Garage & Sheds, Parking Areas
Reference Number	WSDR560

**Rubber Wheel Stopper**



Size	560 x 160 x 150 mm
Colour	Black and Yellow
Material	Rubber/ Industrial Grade Rubber
Application	Garage & Sheds, Parking Areas
Reference Number	WSR560

**Rubber Wheel Stopper**



Size	1800 x 150 x 100 mm
Colour	Black and Yellow
Material	Rubber/ Industrial Grade Rubber
Application	Garage & Sheds, Parking Areas
Reference Number	WSR1800

**Pre-Cast Wheel Stopper**



Size	500 x 200 x 115 mm
Colour	Black and Yellow
Material	Rubber/ Industrial Grade Rubber
Application	Garage & Sheds, Parking Areas
Reference Number	WSC500



# OTHER SAFETY ACCESSORIES



**Anti-Skid Tape**



Size	25 mm
Colour	Black and Yellow
Material	PVC/PU
Type	Outdoor
Adhesive	Acrylic
Shape	Cylindrical
Roll Size	18 m
Application	Accident Warning
Reference Number	AST25

**Anti-Skid Tape**



Size	22 mm
Colour	Yellow
Material	PVC/PU
Type	Outdoor
Adhesive	Acrylic
Shape	Cylindrical
Roll Size	40 m
Application	Accident Warning
Reference Number	AST22

**Lane Divider**



Size	200 x 280
Colour	Yellow
Material	TPU
Type	Outdoor
Weight	0.5 kg
Visibility	Night Visibility frame fitted
Application	Road Safety
Reference Number	LD200

**Blind Tactile Strip**



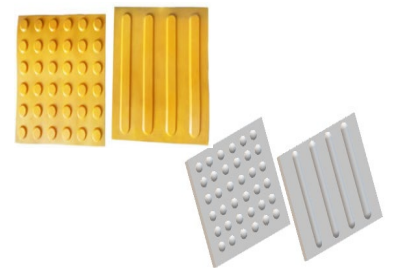
Size	280 x 35 x 5 mm
Nail Diameter	35 mm
Material	Stainless Steel 304
Type	Outdoor
Design Style	Modern
Surface	Strip Bilge
Application	Anti-Fall
Reference Number	BTS280

**Tactile**



Size	250 x 250 mm
Nail Diameter	Yellow & Gray
Material	PVC/PU
Type	Outdoor
Design Style	Traditional
Surface	Strip Bilge
Application	Anti-Fall
Reference Number	AST250

**Tactile**



Size	300 x 300 mm
Nail Diameter	Yellow & Gray
Material	PVC/PU
Type	Outdoor
Design Style	Traditional
Surface	Strip Bilge
Application	Anti-Fall
Reference Number	AST300

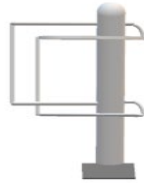


## OTHER PRODUCTS

## BICYCLE RACK

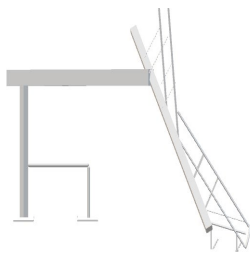
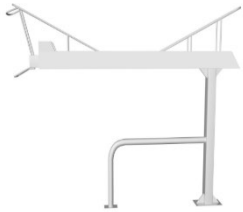
Bicycle racks are installed in all MRTs and other shopping areas to park the cyclist's cycle. We have many projects done and undergoing for installing in many places in Singapore. We have the most secured way of parking the cycles with our rack installation to the ground. Durable, weather resistant, appearance and functionality are extremely important variables of the material of the bike rack and so we all meet these criteria.

### Single Tier Bicycle Rack



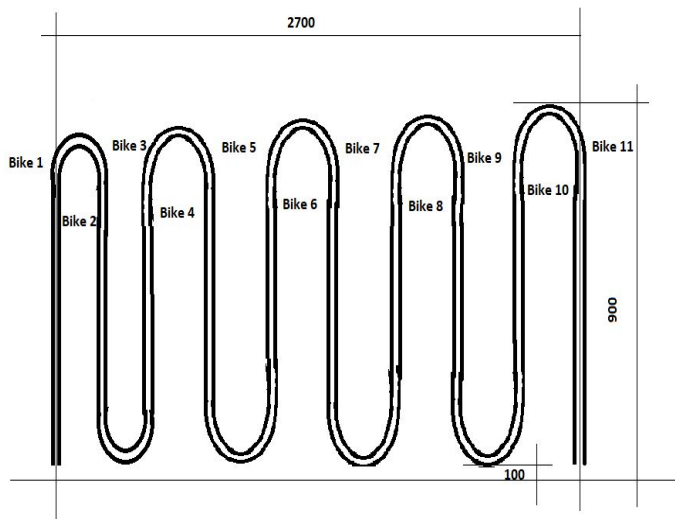
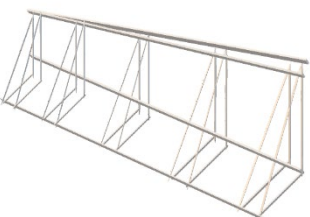
Parking Height	550 mm
Width	290 mm
Material	Galvanized Steel
Surface Treatment	Hot-tip galvanizing Powder Coated
Colour	Silver / Customized
Capacity	1 Bike
Application	Bicycle Parking
Reference Number	STBR550

### Two Tier Bicycle Rack



Parking Length	1850 mm
Total Height	1700 mm
Width	150 mm
Material	Steel
Surface Treatment	Hot-tip galvanizing Powder Coated
Colour	Silver / Customized
Capacity	2 Bikes
Application	Bicycle Parking
Reference Number	TTBR1850

### Single Tier Bicycle Rack



Parking Length	2480 mm
System Rack	5/11 Systematic Bikes
Material	Steel
Surface Treatment	Hot-tip galvanizing Powder Coated
Colour	Silver / Customized
Capacity	2 -11 Bikes
Application	Bicycle Parking
Reference Number	MSSBR2480

# ACKNOWLEDGEMENT

We provide wide range of carpark accessories and have the best-in-class solutions for the car parking system. The company produced best solutions to help customers to find their service better. We are all in one carpark solution company which always ensure customer with best-in-class service, on time handover of the products as well as ensuring secured way of managing the data. We have more than 25 years of experience in parking system and have more than hundreds of deployments done with hundreds of satisfied customers. Our company is dedicated to do the work from design to delivery of the product which made our customer to recognize our work. With the motivational team and with visionary leader we are still in high phase of achieving our goals better and understand the dynamic markets.



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