Access and Revenue Control System Solution Supplier

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Corporate

Thinkpark Technology Co., Ltd is a leading manufacturer in **smart parking management and pedestrian access control systems**, providing **LPR/ANPR parking systems, boom barrier gates, parking guidance systems, security turnstiles and door access control terminals**.

Founded in 2006, Our R&D team specializes in parking and access control industry over 20 years, every year we invest more than 15% of our sales income to research and development. This commitment to quality and innovation has enabled Thinkpark to develop the latest innovation in security products and effectively serve the customized needs of our customers. we have developed cloud parking platform, shared parking, on-street parking platform, Smart Community Cloud Platform and charging pile operation platform, serving cloud parking lot 5000+. Most of our products and Technology have been listed into national patents, and topped of international. Thinkpark has been approved by iso9001, iso14001 and iso 45001. we are always getting ready for your OEM/ODM branding request.

Thinkpark-your global trusted partner!

Honor



National Hi-tech Enterprise





Top 10 Cloud Parking Brands of China



Top 10 Car Parking Brands of China





Top 10 Innovation of China
Unmanned Parking Solution

Honor&Certificate



ISO9001:2015



ISO14001:2015



ISO45001:2018



ISO27001:2013



IPMS



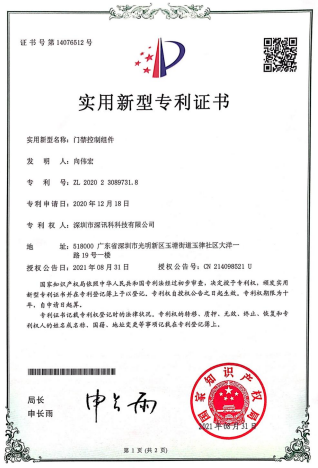
CE

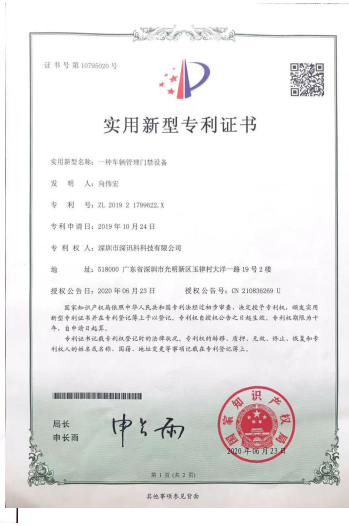


TEST REPORT



TEST REPORT





Utility model patent certificate

Certificates

Software Copyrights >90























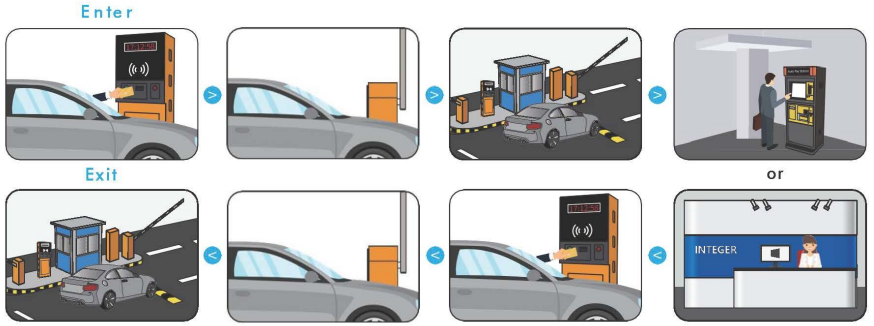
Car Parking Management System

PARKING MANAGEMENT SYSTEM

The parking lot management system uses the card, ticket or license plate to identify the vehicles entering and exiting the parking lot in real time, such as permit/ rejection, guidance, recording, charging, release and other intelligent management. Effectively control the access of vehicles and personnel. Record the data in detail and calculate the amount of the charge automatically. Achieve safety management of on-site vehicles and charges.

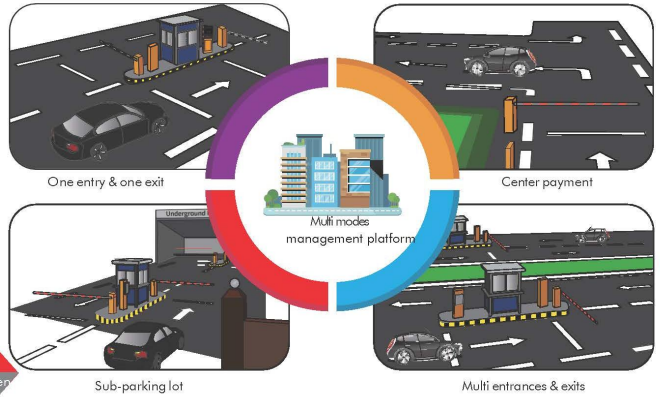




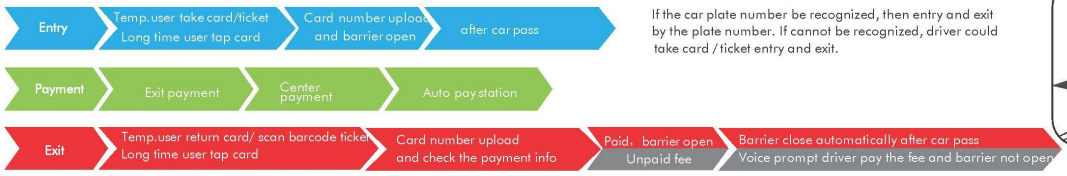


Multi-charge standards and payment modes

Supports charge based on time(hour), times, period, free or other standards. Supports exit payment, center payment and auto pay station etc. payment modes.



Use flow Card/ticket system



Card/Ticket + Car plate

If the car plate number be recognized, then entry and exit by the plate number. If cannot be recognized, driver could take card / ticket entry and exit.

Car Parking System and Terminals



Patent Design

LPR/APP/Mobile payment
Cloud Parking

LPR/ Card/Ticket/ Bluetooth /UHF Parking System





License Plate Recognition System





Card/Ticket Parking System



Bluetooth Parking Reader



UHF Long Range Parking Reader

Barrier Gate

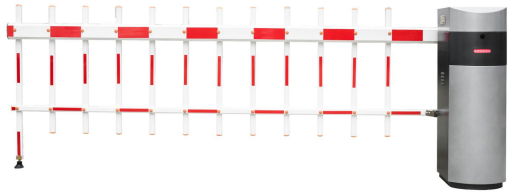
SXK-D01





Working Voltage (Control panel)	DC24V, 7.5A
Output Power	180W
MCBF	5 million times
Surface treatment	High temperature powder spraying
Case color	Agate Black + Silver Gray
Arm length	2~6m
Gate open/close time adjustment	1.5S~6S
Gate open/close speed adjustment	Support
Gate-in-position stability adjustment	Support
Anti-smashing sensitivity adjustment	Support
Motor strength adjustment	Support
Gate position adjustment	Support
Test mode adjustment	Support
Working temperature	-40°C ~ +75°C
Working humidity	Within 90%(no dewdrops)
Motor speed	No-load:780r/min, Rated:600r/min.
Insulation grade	F
Intelligent obstacle return	Support
Anti-smashing strength adjustment	Support
Power-off and gate opening	Support, need extra backup power Capacitor
Case dimension	340*345*1030mm





Folding Arm Barrier

Straight/Swing Arm Barrier

Fencing Arm Barrier

D20/30

Barrier Gate



- 24V DC Barrier gate
- Speed adjustable from 2 to 6 seconds
- 3.5 milion lifespans
- One spring adapted to the entire rod
- Design of External Hall Sensor
- Electronic clutch
- Learning code remote control
- Can be powered by an external 24V DC batery

Solar Powered Barrier Gate



D50

Up and Down speed: 2s~6s adjustable
Driver Power: 6 solar panels/three groups of 24V
Remote control: 433Hz
Charge time: 5 hours full
Effective time: Fully loaded storage can be used for 5000 times
Motor: Dc brushless motor
Material: Cold rolled sheet 2.0mm thickness
Remote control distance: >50M
Controller: DC24V DC controller
Weight: 65KG
Size: 380*390*1070mm

Adv Barrier Gate

SXK-GD03



Operating voltage: 220V

Motor power: 180W-250W

Rod length: ≤5 m (length customizable)

The number of advertising plates: determined by the length of the pole

Advertising flip size: 92.5mm 830mm

Picture size of the light box: 920* 390mm

Center height of upper beam: 1050mm

Lift time: generally 5-6 seconds

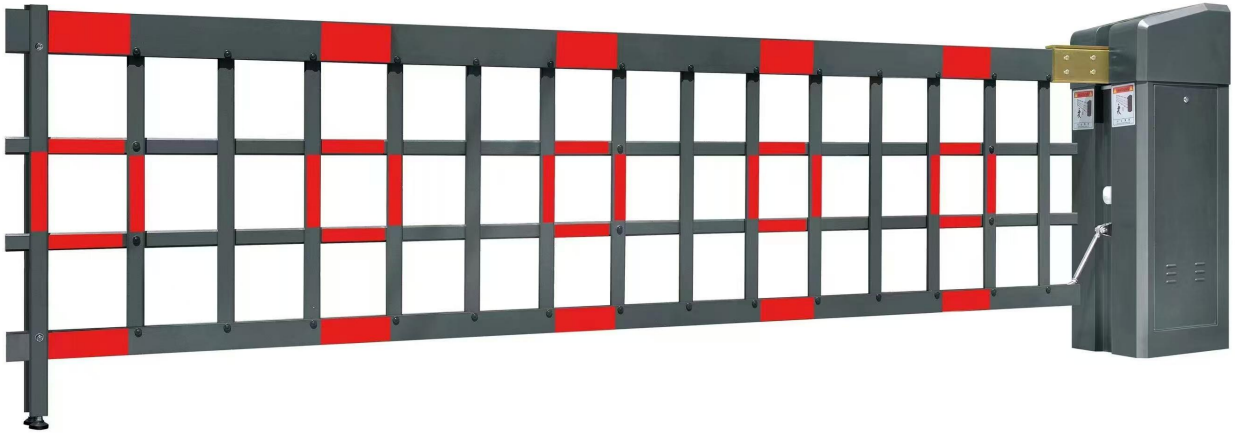
Remote control distance: 40 meters

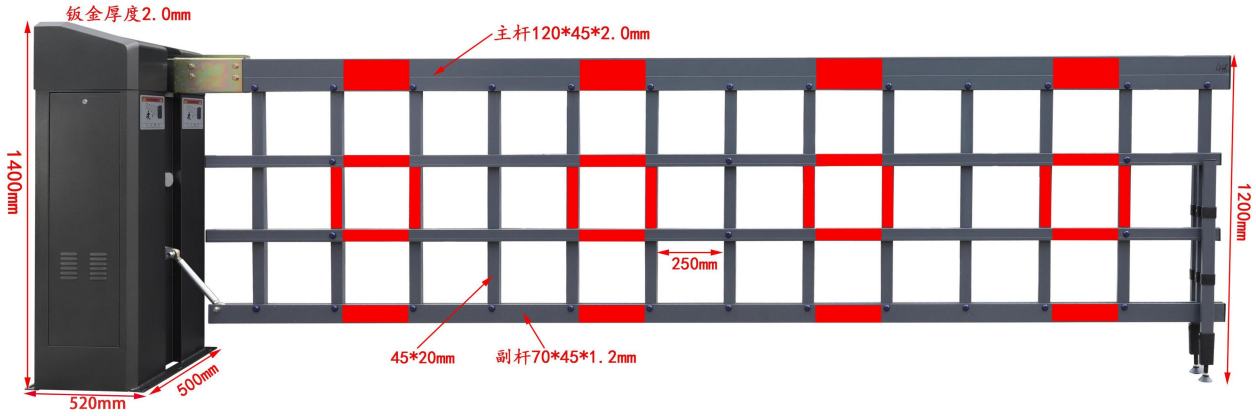
Gate color: Silver Grey (customizable)

Appearance size of the chassis: 460mm 370mm 1220mm

SXK-KJZ01

Airborne Barrier Gate





Operating voltage: 220V

Motor power: 300W

Rod length: ≤6 m (length customizable)

Center height of upper beam: 1200mm

Lift time: 2-12s

Remote control distance: <50m

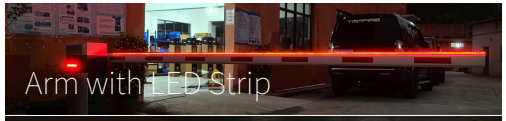
Housing Dim: 520*500*1400mm

Working Temp: -40~70℃

Core Components Introduction

Barrier Arm

Lightweight yet sturdy materials (e.g., aluminum alloy) balance durability and energy efficiency.







Straight Barrier Arm



Telescopic Barrier Arm100×45



90° Folding Barrier Arm





Ø50 Round Shape Barrier Arm

Core Components Introduction

Safety Sensors

Radar/Loop detector/ Infrared or pressure sensors detect obstacles to prevent accidents during operation.



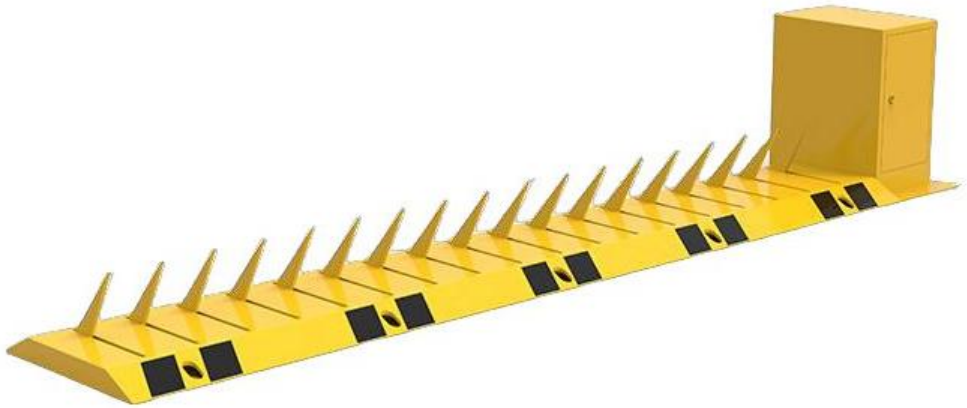


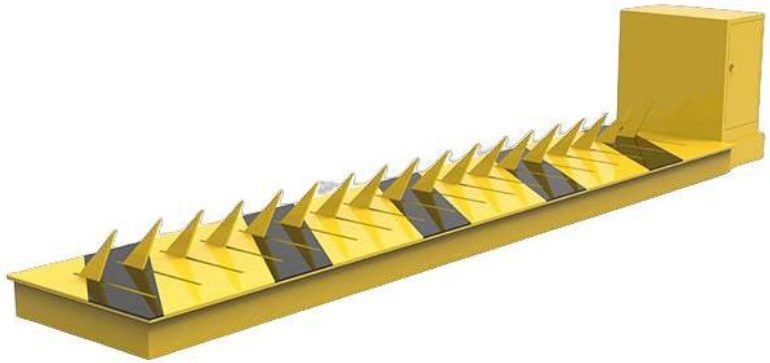




Tyre Killer

SXK-T9000





System control: 220V electric drive;
Control mode: wireless remote control and wire control;
Max passing pressure:50 Tons;
Power supply: 220V (controlboard voltage 24V)
System power:180W
Power unit: motor drive
Rising time:≤1-3S;
Descending time:≤1-3S;
Working temperature:-40℃~75℃;
Material: A3 steel, sprayed with antirust primer;
Rising height of spikes: 150 mm;
Spike thickness: 10mm;
Panel thickness: 12mm;
Size: (2000-6000)*500*85mm;
Linkage interfaces: barrier gates, traffic lights, infrared, loop detector, license plate recognition, etc
In case of power failure: it can be raised and lowered manually;
Protection grade: IP67
Remote control range: 50-100M

Parking Guidance System

PARKING GUIDANCE SYSTEM

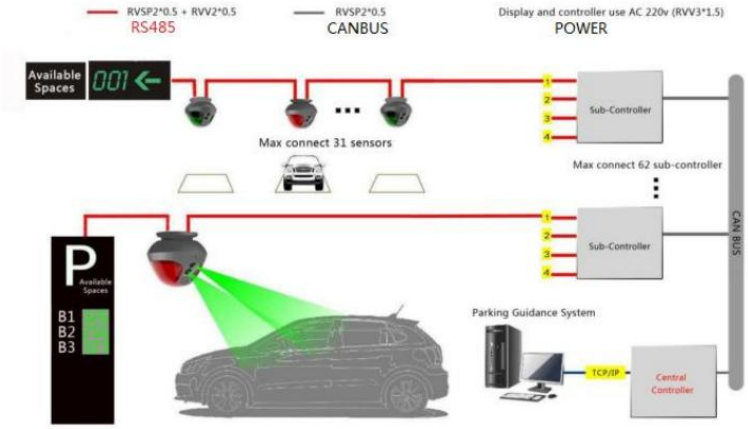
The parking guidance system is combined with the parking lot entrance and exit management system to realize a full parking solution. realize the whole process of outdoor available parking lot guidance-entry parking-indoor parking space guidance-payment- car location query- exit parking lot'. Through the parking space guidance system, the parking space usage rate of parking lot can be improved. Management effciency and economic benefits can be improved.



Parkingguidance Vacantspacestatistics Real timemonitoring Flow ofcar analysis



SYSTEM DIAGRAM



USE FLOW



Entrance
Entrance Led display shows available parking spaces in each floors.



Indoor guidance display
Indoor guidance screen shows direction with available lots number



Ultrasonic sensor
Green means available, Red means occupied.



Automatic pay station
If system has automatic pay station, driver could finish parking fee payment by themselves.



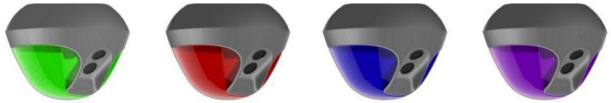
Exit
After car left parking space, the number on related indoor guidance display and entrance display will add automatically.

Parking Guidance System

ULTRASONIC SENSOR

Integrated Ultrasonic Sensor

Model No.: SXK-PGS200



Separate Ultrasonic Sensor

Model No.: SXK-PGS105



Working voltage	DC 10~28V(24V)
Parameter set	Remote control
Communication protocol	RS485 @9600bps
Sense height	1~6m
Installation height	1-3.5m
Working temperature	-20℃~65℃
Space indicator	7 colors

CONTROLLER UNIT



Working voltage	DC24V
Working current	0.1A
Working temperature	-20℃~65℃
Communication	RS485 or TCP/IP
Supports devices connection	4 RS485 BUS, each BUS can connect 30pcs sensor. 1 controller support Max. 120pcs sensors

GUIDANCE DISPLAY



IED-2100

Name	IED-2100 Entrance Guidance Display
Dimension	750*200*2,200mm
Working temperature	-30℃~70℃
Working voltage	AC220V
Power	<50W
LED color	Green or Red

IED-1101



IED-1102



IED-1103



Name	IED-1100 Indoor guidance display		
Model	IED-1101	IED-1102	IED-1103
Point matrix	5MM		
Guide direction	1 direction	2 directions	3 directions
Display size	608*152mm	912*152mm	1216*152mm
Housing size	1065*270*90mm	1370*270*90mm	1695*270*90mm
Installation	Hanging		
Working temperature	-20 ~ +65℃		
Working voltage	AC 220V/110V		
Working power	<30W		

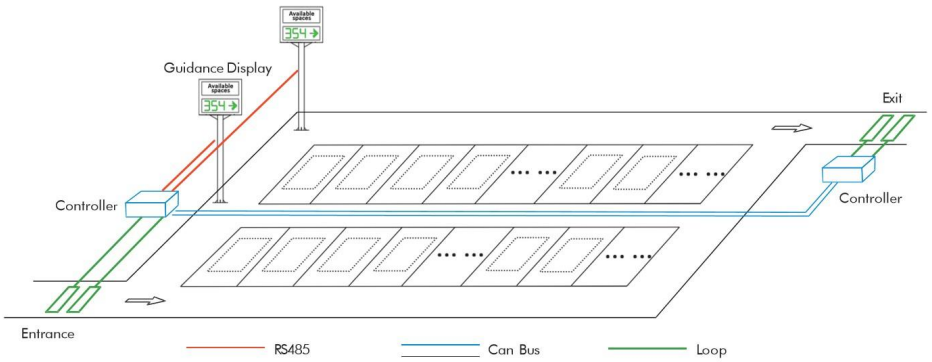
Parking Guidance System

VEHICLE COUNTING SYSTEM

The vehicle counting system is a simple version of the parking guidance solution.

Install the loop, loop detector and controller at entry and exit only.

Calculate the available parking space through the in & out of vehicles.

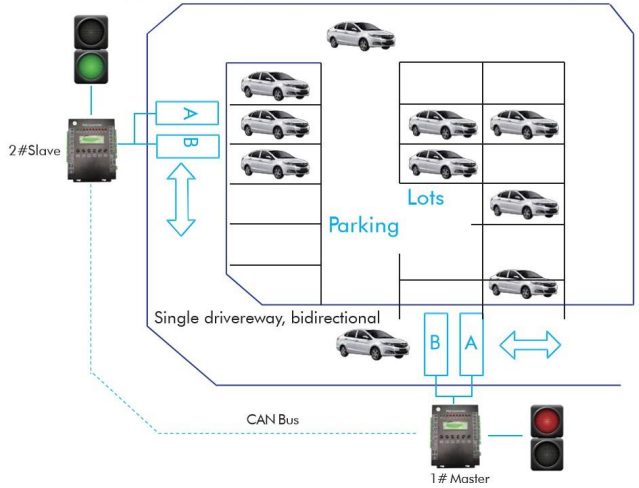




Working temperature	-20℃~70℃
Working voltage	AC220V/100mA
Language	CN/EN
CAN port	Communication rate 10Kbps, maximum distance 3km
RS485 port	Baud rate 9600bps
Loop inductance range	80~300 uH
Detected car speed	5~60KM/H
Road width required	2~4m single channel

VEHICLE PRIORITY SYSTEM

Solution for safety prompts of single channel road with corner, include traffic light and controller.





Power Supply	AC 220V/5W
Operating Temperature	-40℃ ~ 80℃
Applicable Speed	5~80 kilometer/hour
Traffic Light Interface	220V AC solid-state relay
CAN bus network range	1~3Km (20Kbps)
Max passing time in red light	3~255s (adjustable)
Network method	CAN Bus

THINKPARK 深讯科

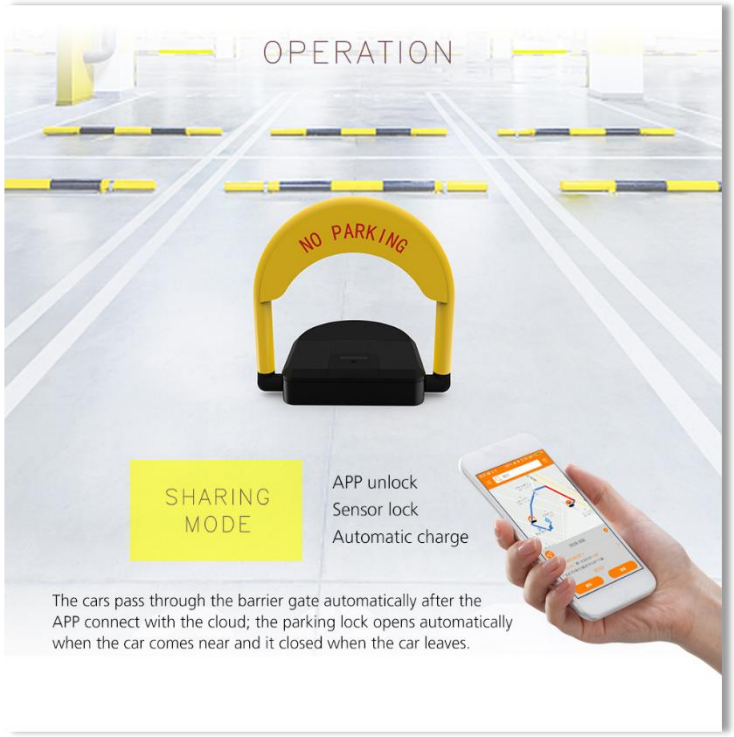
2024

PARKING LOCK SOLUTION





Introduction of Parking lock Solutions



Project Description

The shortage of parking spaces is the crux of many cities' parking difficulties, but the information asymmetry leads to low utilization of parking spaces and cannot be ignored. On the one hand, there is a need to find a parking space; on the other side, there is a surplus parking space, and the shared parking space just solves the problem of “driving for ten minutes by car for ten minutes”.

So how do you manage these shared parking spaces scientifically and effectively?

For sharing parking spaces, Thinkpark focuses on solutions for parking locks and operating systems. Building a smart parking system, which provides services based on the network and mobile terminals, effectively solves the problem of parking difficulties for residents, increases revenue for public parking lots, and provides analysis and application based on parking data for the government. After the project is completed, a set of IoT data platforms in the field of public consumption and urban management will be formed.

- APP（Android，IOS）
- Remote control
- Sensor detect

Operational software

Pedestrian Turnstiles



Pedestrian Turnstiles

TURNSTILE GATE

The turnstile gate system is widely used in occasions where effective control of public people access is required.For example, commercial office buildings, residential areas, factories and mines, hotels, clubs, libraries, canteens, campuses, government agencies, etc. It realized channel access control through various read and write operations. Completely eradicate illegal access. Overcome the shortcomings of the manual management mode, such as slow speed, many loopholes, high error rate, and high labor intensity.The turnstile gate series products mainly include: tripod turnstile, swing gate, wing gate, full height turnstile, speed gate etc.



Face recognition access | Barcode/QR code ticket access | Passwords access | Finger print access | Tap Card access

Features



Anti-Pinch function | Reset automatically



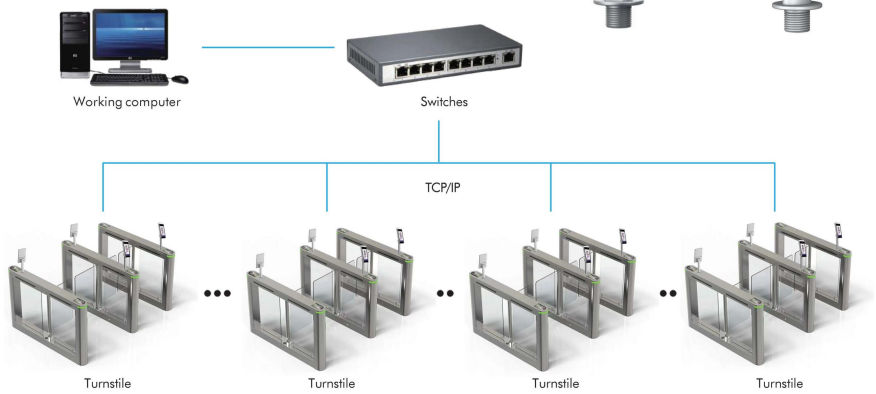
Illegal entrance alarm | Riot-proof lock

Face Recognition Device

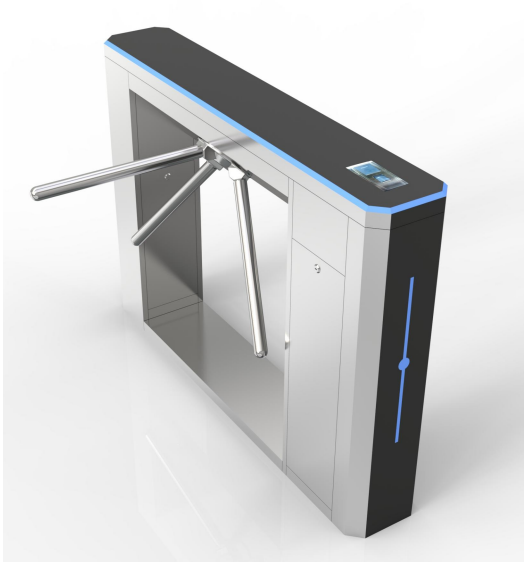
When the person near the turnstile within 1/2m,the camera will recognize the person's face and open gate with sound prompt.



System diagram



Tripod Turnstile













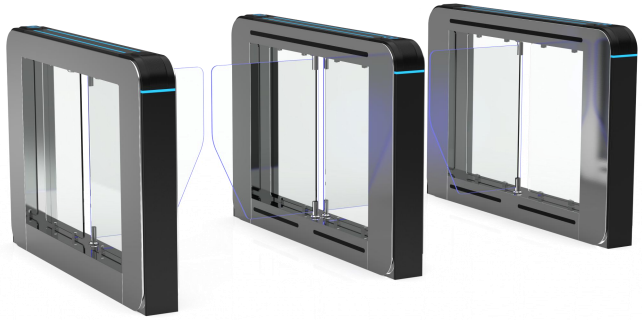


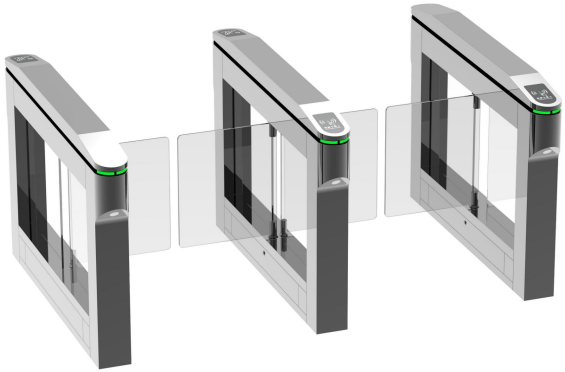
Eleglant Design

Sound Quality

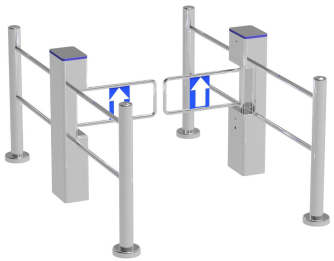
Stable System

Swing Turnstile






Flap Turnstile





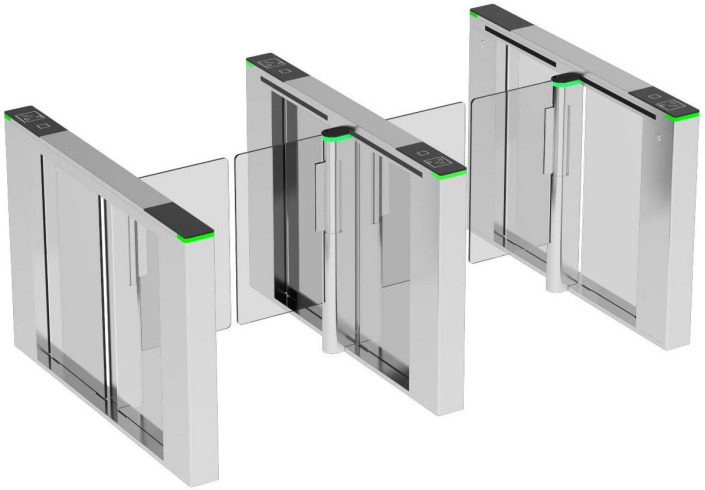








Speed Gate











Full Height Turnstile















Door Access Control

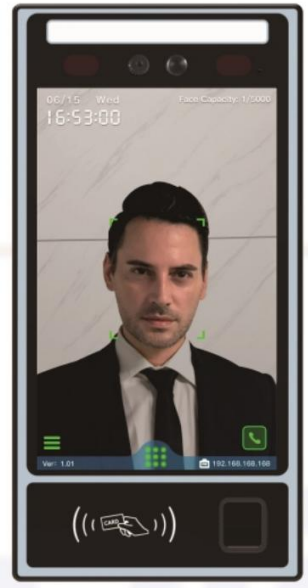


FR607 QR Code& Face&Palm Verification Terminal



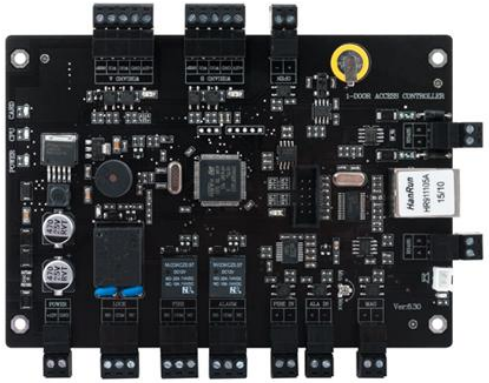
Face Template: 20,000
Mifare Card: 20,000
QR Code: 20,000
Password: 20,000
Palm Vein: 10,000
Attendance log: 1,000,000
7-inch Full-view HD screen
Liveness Detection
Strong light recognition
Support TCP/IP ane WiFi
Multi-language support

FR807 Fingerprint & Face Recognition Terminal



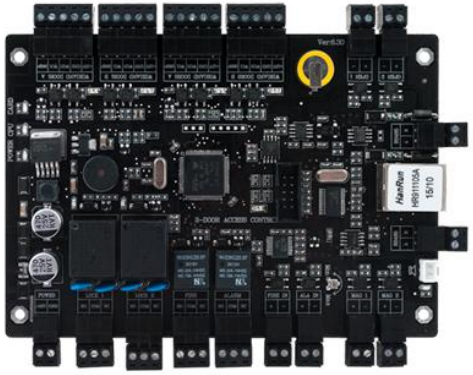
Face Template: 20,000
Fingerprint Template: 20,000
Mifare Card: 20,000
Password: 20,000
Attendance log: 1,000,000
8-inch Full-view HD screen
Liveness Detection
Strong light recognition
Support TCP/IP ane WiFi(4G Option)
Multi-language support

High Security Door Access Control Board



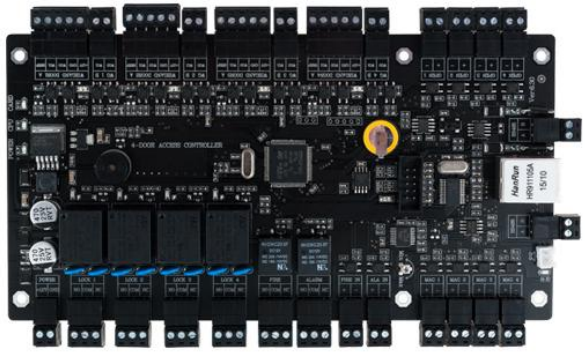
SXK-MJ8910 One Door Access Control Board

One door control
120,000 users, 300,000 Attendance logs
Two RS485 and one TCP/IP
Two Wiegand readers output
One voice output
One electric lock relay
Two alarm output



SXK-MJ8920 Two Doors Access Control Board

Two doors control
120,000 users, 300,000 Attendance logs
Two RS485 and one TCP/IP
Four Wiegand readers output
One voice output
Two electric lock relays
Two alarm output



SXK-MJ8940 Four Doors Access Control Board

Four doors control
120,000 users, 300,000 Attendance logs
Two RS485 and one TCP/IP
Eight Wiegand readers output
One voice output
Four electric lock relays
Two alarm output

Parking Control Accessories

RADAR DETECTOR





Radar Detector

Barrier anti-hit radar is used microwave radar technology. Apply for highway and entry and exit of parking lot to replace loop and loop detector.

Working frequency	79GHz
Model	IWD-300
Working voltage	7-28VDC
Working consumption	1.2W
Detect mode	Person, vehicle
Sensitivity	3 grades adjustable
Detect distance	1~6m(adjustable)
Communication port	RS485, Relay, Bluetooth(App setting)
Dimension	115*85*31.2mm
Material	ABS+PC
Protection	IP65







PD-132



PD-232

Product Model	PD182	ILD-M1H	VD108B	PD-132	PD-232
Work Voltage	AC 220v/110v/ DC 12~24v	DC12~24v	DC12v	AC 220v/110v/ DC 12~24v	AC 220v/110v/ DC 12~24v
Loop Quantity	Single	Single	Single	Single	Double
Output Interface	Two relays	two relays	TTL	two relays	two relays
Output Signal Type	exist pulse	exist pulse	exist pulse	exist pulse	exist pulse
Frequency Adjustment	4	2	0	4	4
Sensitivity	8	4	4	4	4
Output Delay	2s	No	2s	No	No
Dimension	77*41*103mm	79*22.5*90mm	42*27*21mm	77*41*103mm	

VEHICLE LOOP DETECTOR



PD-182



Software setting

- High temperature stability -40℃ to 82℃
- Environment drift automatic compensation function
- Coil automatic fault detection function
- With 8 levels sensitivity adjustable
- Read the loop frequency without other tools, more easy for installation.
- Led Meter to show in real-time if any detection from the loop
- Detect Stop function(unique technology in the worldwide), detect only when a vehicle stops completely.
- All parameters of PD182 can be set by software.

Application

- Autoclose for barrier gate
- Parking system to detect car
- Vehicle counting system
- Vehicle counting system
- Traffic lights snap shot system
- Traffic monitoring system





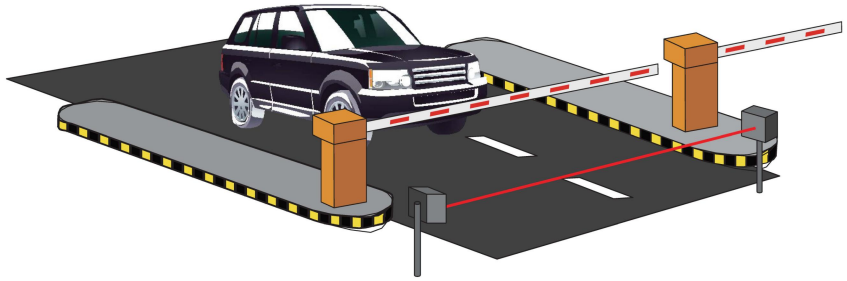




Product Model	ILD-110	ILD-410	ILD-500	ILD-600
Work Voltage	AC 220v/110v/ DC 12~24v	AC 220v/110v	AC 220v/110v/ DC 12v	AC 220v/110v/ DC 12v
Loop Quantity	Single	Double	Single	Double
Output Interface	two relays	two relays	two relays	Four relays
Output Signal Type	exist pulse	exist pulse	exist pulse	exist pulse direction detection
Frequency Adjustment	2	2	4	4
Sensitivity	3	3	10	10
Output Delay	No	No	0~4.5s adjustable	No
Dimension	74*37*113mm		270*78*580mm	270*78*580mm

Parking Control Accessories

INFRARED SENSOR





Infrared sensor

Working voltage	12~24V AC/DC	Working temperature	-10º ~ 70 ℃
Working current	emitter: ≤15mA receiver: ≤30mA	Relay contact loading capacity	1A/36V DC
Photocell wavelength	940nm	Waterproof grade	IP45
Angle of opposite emission	≤±5º	Size	100*40*35mm
Receiver range	2~15m	Weight	60g



Laser sensor

Working voltage	9~24V AC/DC	Working temperature	-10º ~ 60 ℃
Working current	≤80mA@12V (Max =150mA)	Relay contact loading capacity	0.8A/30V DC
Photocell wavelength	850nm	Waterproof grade	IP45
Signal reception angle	2º	Size	100*40*35mm
Receiver range	0.3~8m	Weight	61g

24GHz Microwave sensor

- High Sensitivity and low Power Consumption chip
- The detecting chip can be adjusted easily by special part.
- Electric filter function prowide a good capacity of resisting disturbancefrom raining, wind, lighting and so on.
- Widely used in swing doors, sliding doors, warehouse doors, industrial doors, barrier gates and various automatic doors

Model	MS-100N	Working temperature	-20º ~ 60 ℃
Working Voltage	DC 12~24V	Protection grade	IP54
Frequency	24.125Ghz	Dimension	120*80*50mm
Installation height	3.5m	Detect mode	Moving objects



MS-100N-B MS-100N-S



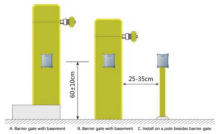
Model	IWD-24D	Working temperature	-40º ~ 80 ℃
Working Voltage	DC 12~24V	Protection grade	IP54
Frequency	24.125Ghz	Dimension	90*88*95mm
Installation height	2.5~8m	Detect mode	Moving vehicle foward to sensor





Model	IWD-400	Working temperature	-40º ~ 85 ℃
Working Voltage	DC 12~24V	Protection grade	IP67
Frequency	24.125Ghz	Dimension	97*117*25mm
Detect distance	1~6m	Detect mode	Vehicle and people





Parking Control Accessories


Dual-channel Vehicle Loop Detector


Single-channel Vehicle Loop Detector


DC Brushless Controller


AC Motor Mainboard


Servo Motor Power Supply


Wire Control


Servo Motor Controller


Servo Motor


External Receiver


Traffic Light


Arm Holder


79Gz Barrier Gate Radar


Infrared Photocell Sensor


Remote Controller


Back-up Battery


Loop Coil



Parking Lock


Battery Storage Module


Single-channel Vehicle Detector


Dual-channel Vehicle Detector


APP-WiFi device


Loop detector for large vehicle


Warning Light


Solar Power Panel

Traffic Lights



Traffic Lights



100mm red/yellow/green single unit light

Product parameters:

Product size	Lamp diameter	LED QTY	LED Type
150*150*85MM	100MM	40 pcs	Taiwan Epistar LED
Red wavelength	Green wavelength	Yellow wavelength	Working voltage
620-625NM	500-505NM or 520-525NM	590-595NM	AC85-265V or DC12V/24V
Operating temperature	Protection grade	LED color	Shell material
-40°C~65°C	IP53	red/yellow/green	PC
Rated power	Visual range	LED Service life	Installation method
R/Y≤2，G≤3W	1-800M	100000H	Horizontal or vertical



100mm PC red green light

Product parameters:

Product size	Lamp diameter	LED QTY	LED Type
300*150*85MM	100MM	red 40 pcs, green 40 pcs	Taiwan Epistar LED
Red wavelength	Green wavelength	Shell material	Working voltage
620-625NM	500-505NM	PC	AC85-265V or DC12V/24V
Operating temperature	Light Angle	LED color	LED Service life
-40°C~65°C	30°	red/green	100000H
Protection grade	Rated power	Visual range	Installation method
IP53	R≤2W, G≤3W	1-500M	Horizontal or vertical

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