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SECURITY PRODUCTS SINCE 2001

SHENZHEN TENET TECHNOLOGY CO., LTD. http://www.tenetparking.com



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COMPANY PROFILE

Shenzhen Tenet Technology Co., Ltd. is a national High-Tech company which is located in Shenzhen Bay Technology and Ecology City (BTEC), Nanshan district, Shenzhen, China. Our company is professional in smart car park system and community management system solution more than 10 years. Now our company has a total area of more than 6000m², more than 200 employees include around 60 employees in our R&D department.



system, car park management system etc.

YEAR 2002 In 2002, developed loop detector.

YEAR 2006

In 2006, Pioneered BS framework system.



management platform.

overseas brand in Chinese market.



深圳市德立达科技有限公司 SHENZHEN TENET TECHNOLOGY CO., LTD.

YEAR 2014

In 2014, Tenet became one of top system solution suppliers in China. Developed SAAS platform which is seamless integrated Cloud car park management system, Cloud access control system, Cloud visitor management, Cloud building intercom etc.

FUTURE

In the near future, we will continue to adhere to the "quality, efficiency, cooperation, and win-win" business philosophy, committed to the development and application of intelligent products, and promote the development of smart communities and smart cities.

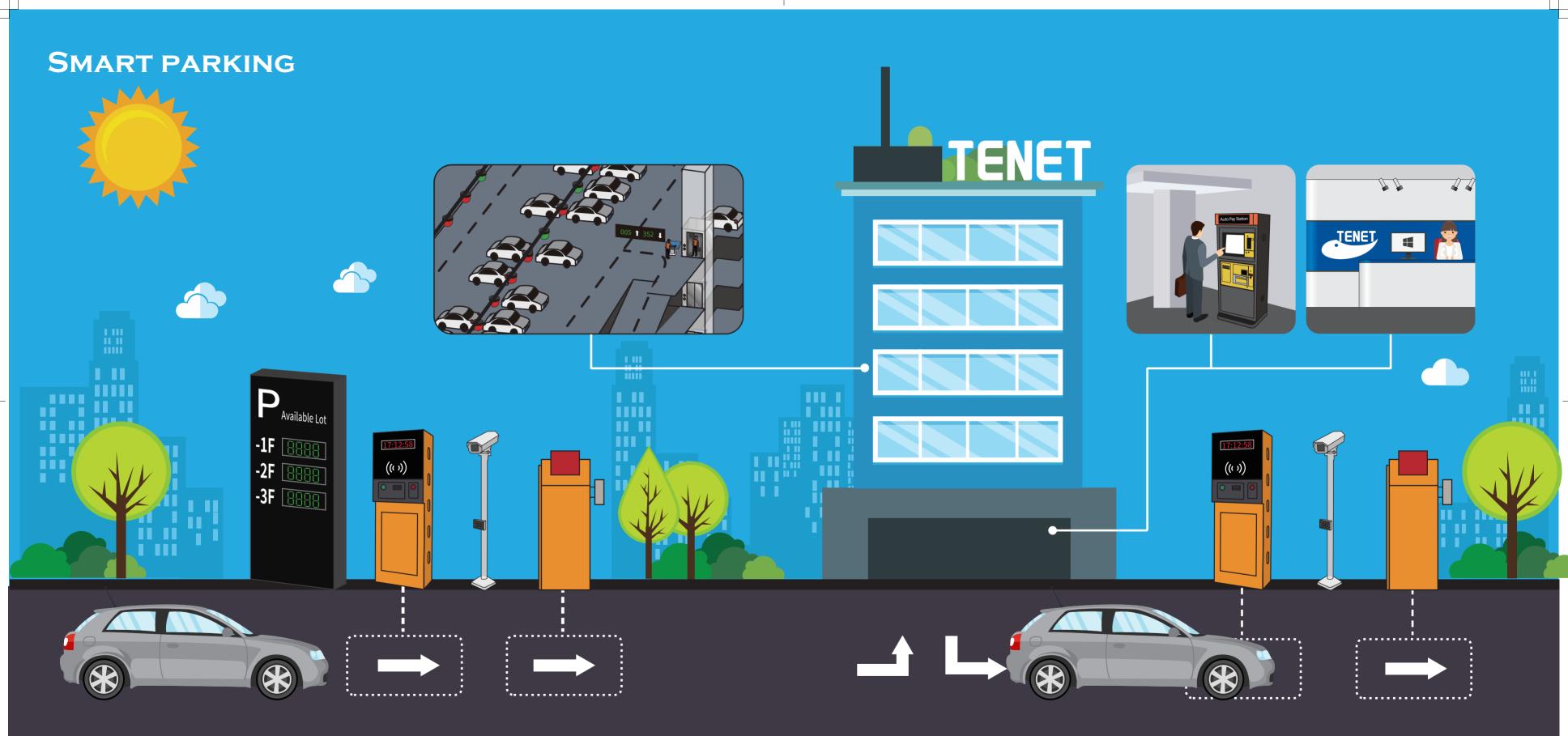
system.Cloud system is now in an advanced stage.

OUR HONORS

CERTIFICATE OF QUALITY SYSTEM



Transportation Association



CLOUD SYSTEM

Not only parking management, multi-function customized management



Independent database

Triple-frame

Main frame, same city disaster tolerance, Different place disaster tolerance

Access rights management

The highest management rights to admin. Other accounts cannot login system.

Strict encryption

All access links are encrypted with SLL. All network communication is transmitted via HTTPS.

Data dual-backup

Cloud and local server has backup. Quick recovery data, if change or maintenance server.

SMART PARKING MANAGEMENT SYSTEM

The Tenet parking lot management system uses 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. It effectively controls the access of vehicles and personnel. It records the data in detail and calculates the charge amount automatically. It achieve safety management of on-site vehicles and charges.



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Card /Ticket Car plate license In&Out recognition



Payment receipt

Center payment

2

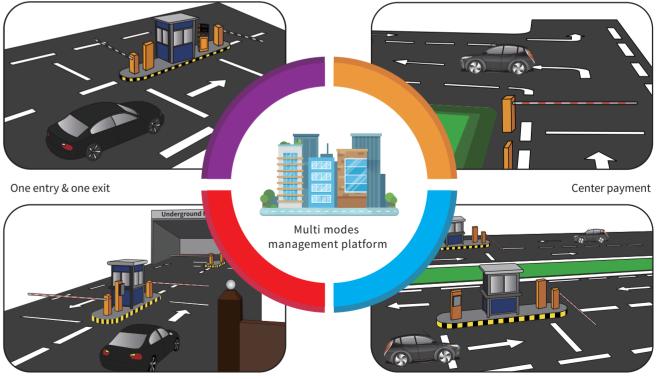


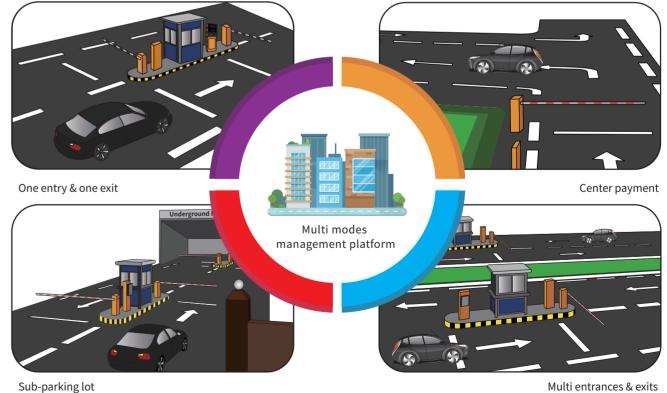
Self-service payment

Card/Ticket + Car plate

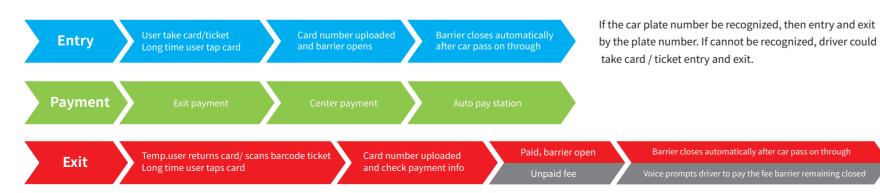
Devices status monitoring

Multi-charge standards and payment modes

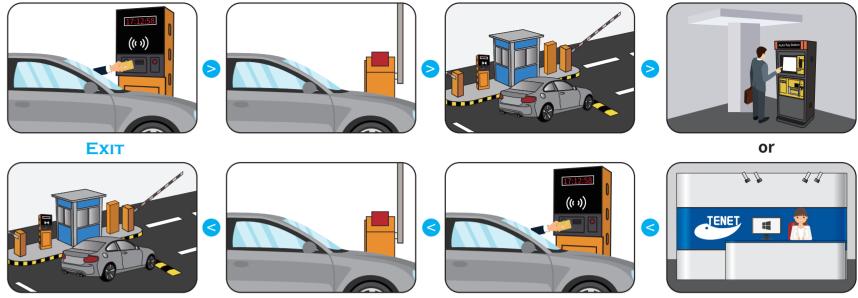


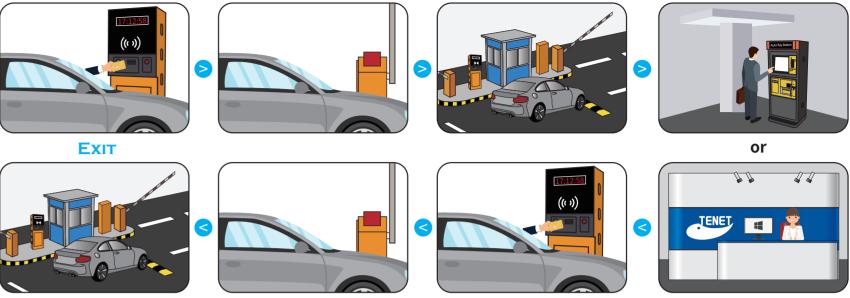


Flow Card/ticket usage system



ENTER





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

Multi entrances & exits

CARD PARKING SYSTEM

Smart card Access Control

Automatic

Card Dispenser

loop

Entrance

Camera

Machine



Road gate



Self-Payment Machine

×_____

Parking Management Server

Compute

IC Card Write-Reader

Payment

......

Smart card Access Control Machine

Automatic

Card Collector

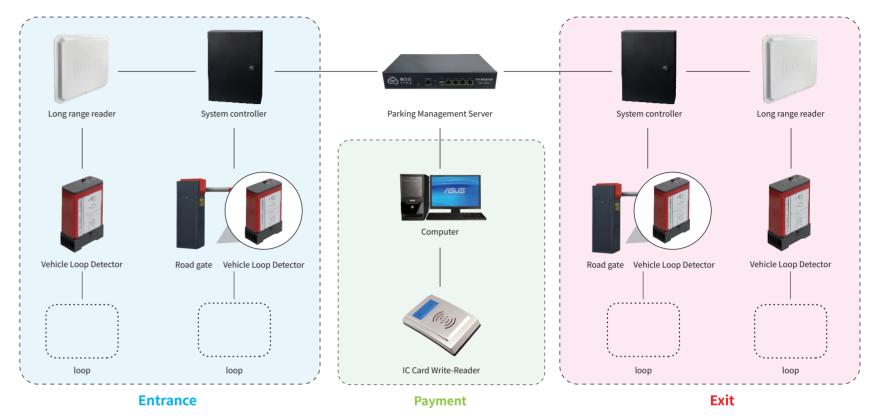
loop

Exit

Camera

Road gate

SIMPLE PARKING SYSTEM (LONG DISTANCE CARD READING)



FACE RECOGNIZATION PARKING SYSTEM



RELATED PRODUCTS



Round shape straight arm with aluminum alloy material For frequency high speed barrier gates, length 2.5m or 3.5m.

Octagonal straight arm For high speed barrier gate and standard barrier gate, max 6m.



Oval shape folding barrier arm

For speed barrier gates and standard barrier gates, folding arm length is 3m.



Arm protection mechanism



Fence barrier arm For Standard 5s barrier gates, max 4m.



Working voltage		220VAC 50HZ/110VAC 60HZ			
Motor power		120W			
Working temperature		-35°C to 50°C			
Protection Level		IP65			
	Straight boom barrier/ folder boom barrier	1.2s	2s	3s	6s
Barrier open and		0-3m	0-4m	0-4m	0-6m
close time	Fence boom barrier	3s	бs		
		0-3m	0-5m		

Paper Ticket Bar Code Parking **Access Control Terminal**

Model No.: T10



IC/ID Card Parking Access Control Terminal

Model No.: T6



T6 Exit



Passive 3~5M long range reader TRF-930

Size	220
Weight	2.5ŀ
Max reading distance	9m
Best reading distance	3-5r
Max data reading rate	200
Tag move speed	120
Power	AC1
Frequency range	860
Port	RS2
Tag air interface	EPC
Installation	Star
Operation temperature	-20°
Storage temperature	-40°
Humidity	10%
Antenna	1 pc
Transmitted power	Мах



Passive card issuer RFM-900







)*210*60(30)mm
KGS
m
0pcs/s
)km/hour
110-220V convert to DC12V,25W(DC8-12V)
) MHZ to 960 MHZ option
232,RS485,WG26,trigger input
C CLASS 1 GEN 2 standard
nd(360° adjustable,elevation 30° max)
°C to 60°C
°C to 70°C
%-95% no condensation
ort duplex antenna
x 30dBm adjustable

Passive 10~15M long range reader TRF-950

Size	460*460*30mm
Weight	5.5KGS
Max reading distance	20m
Best reading distance	10~15m
Max data reading rate	Only read one tag at same time
Tag move speed	120km/hour
Power	AC110-220V convert to DC12V,25W(DC8-12V)
Frequency range	860 MHZ to 960 MHZ option
Port	RS232,RS485,WG26,trigger input
Tag air interface	EPC CLASS 1 GEN 2 standard
Installation	Stand(360° adjustable,elevation 30° max adjustable)
Operation temperature	-20°C to 60°C
Storage temperature	-40°C to 70°C
Humidity	10%-95% no condensation
Antenna	1 port duplex antenna
Transmitted power	Max 30dBm adjustable

	Dimension	105x70x11mm	Use limit	In different countries' standard,
	Weight	80g		function and data may has difference
	Installation	Table	Tag air interface	EPC CLASS 1 GEN 2 standard
	Operation temperature	-20°C to 60°C	Power	AC110-220V convert to DC12V,25W(DC8-12V)
	Storage temperature	-40°C to 70°C	Humidity	10%-95% no condensation
	Max reading distance	0.2m	Frequency range	860 MHZ to 960 MHZ optional
	Transmitted power	20 dBm	Antenna	Microstrip circularly polarized directional antenna
00U	Protocol	TCP/IP	Port	USB

RELATED PRODUCT





Bluetooth card issuer



TRF-8617 (Base)

TRF-8617 (Sucker)

Long-range B	luetooth	Read	er

High Reading speed	card can be read in 10-40 km/h without vehicle stop	
Reading distance	3-20m(adjustable)	
Optical excitation range	With good directivity, can be up to 120°	
Reading direction	Discretionarily adjustable	
Output mode Wiegand 26 and RS485		
Optical excitation CDMA sleep/wake up wireless communications CPI Jautomatic		

- recognition and so on cutting-edge high-tech crystal
- Advanced CDMA communication technology is used and there is no interference between adjacent lane
- No need to stop and no need to open the window to read card

Bluetooth card issuer

Power supply	DC 12V/3A
Working frequency	433MHZ
Infrared frequency	38KHZ
Reading distance	1-20m max distance
Response time	0.1s
Reading speed	0.5s
Reading time interval	0.5-0.8s
Operating temperature	-30°C~70°C

Bluetooth card

Reading Distance	3 ~ 25 meters
Dual reading mode	In hand or vehicle-mounted auto reading
Battery	CR3240 button cell
Battery life	505,000 (handheld)
Working Mode	read-write in real time (with CDMA module)
 Access control cards can be affixed to the back of the card for "One-Card System" Passwords, license plates and other coded information can be stored 	

AUTO PAY STATION





ULTRASONIC PARKING GUIDANCE SYSTEM

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



Parking

guidance

EXIT

Dr.



Vacant

space statistics

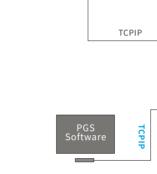


Real time

monitoring



Flow of car analysis



Outdoor guidance screen

hopping Mal

8888

8888

8888

TCPIP

TCPIP

TCPIP

System controller connection quantity no limit

PROCESS FLOW

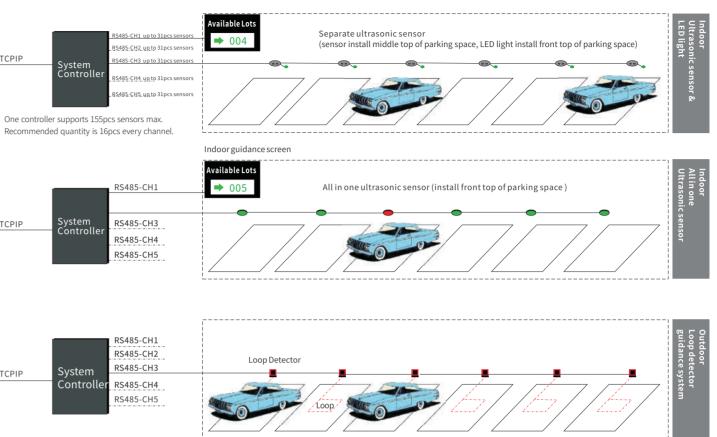


Outdoor available parking space display shows available parking spaces in every direction with available lot number floor.

Entrance

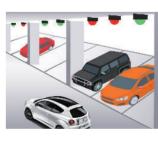


SYSTEM DIAGRAM





Indoor guidance screen indoor guidance screen shows



Ultrasonic sensor Green means Available.Red means occupied



Automatic pay station

If system has automatic pay station, driver can make parking payment by themselves.



Exit

After car has left parking lot, the number on related indoor guidance screen and entrance screen will add 1 parking lot available.

RELATED PRODUCT

Ultrasonic Sensor (All in one)

Model No.: TUS-300



Ultrasonic Sensor (Round Shape) Model No.: TUS-201



Working voltage	DC12~24V±10%
Communication	Question and answer. Half duplex
Communication protocol	RS485
Sense height	0.5~4m
Installation height	1-3.5m
Working temperature	-20°C~50°C

Ultrasonic Sensor (Oval Shape)

Model No.: TUS-202

SYSTEM CONTROLLER



Working voltage	DC24V
Working current	0.1A
Working temperature	-30°C~70°C
Communication	RS485,TCP/IP
Supports devices connection	5CHs, every channel up to 31pcs sensors (Recommended will have 16pcs). Total 155pcs sensors max.



Guide

H

Worki

Wo

1

AVAILABLE LOTS GUIDE SCREEN

₹	新贺大厦 _{剩余车位}	
东区	8888	
南区	8888	
西区	8888A	
北区	88ÃÃ	
一层	8888	

Dimension	700*300*1800mm	
Working temperature	-30°C~70°C	
Working voltage	AC220V	
Power	<100W	
LED color	Green and Red	





TED-7011

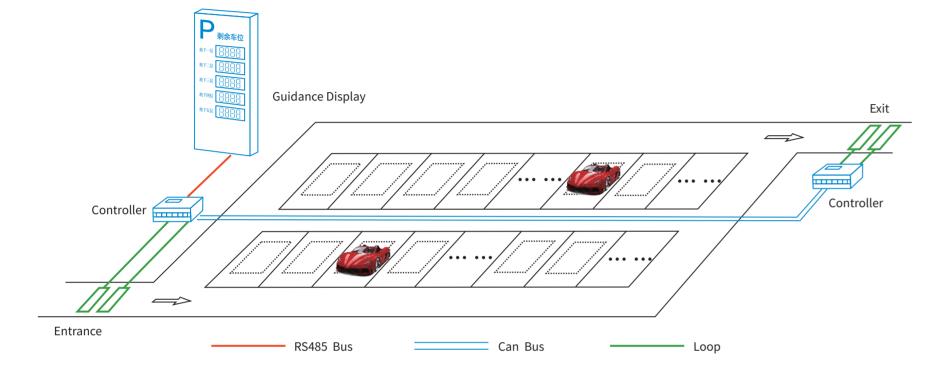


TED-7021

Technical Data						
Device Name	Indoor guidance screen					
lodel	TED-7011	TED-7021	TED-7031			
Point matrix	5MM					
e direction	1 direction	2 directions	3 directions			
Display size	380*152	760*152	1140*152			
lousing size	483*380*100	863*380*100	1245*380*100			
Installation	Hanging					
king temperature	-30°C to 70°C					
orking voltage	AC 220V					
Working power		<100W				

AREA GUIDANCE SYSTEM

The area guidance 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 vehicles record.

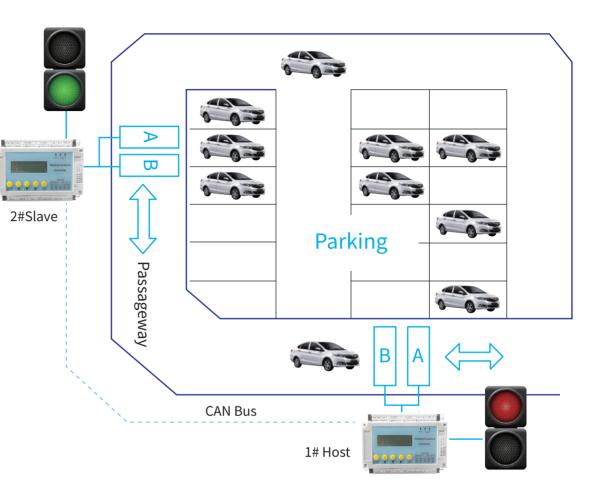




PGS-310

Working temperature	-20°C~70°C		
Working voltage	AC220V/100mA		
Language	CN/EN		
CAN port Communication rate 10Kbps, maximum distance 3			
RS485 port	Half duplex, baud rate 9600bps		
Detection sensitivity	0~9 levels adjustable		
Max detected signal exist time	3-255s adjustable		
Loop inductance range	80~300 uH		
Detected car speed 5~60KM/H			
Road width required	2~4m single channel		





SINGLE CHANNEL TRAFFIC LIGHT SYSTEM

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

Power Supply	AC 220V/5W	
Operating Temperature	-40°C ~ 80°C	
Applicable Speed	5~80 kilometer/hour	
Traffic Light Interface	220V AC solid-state relay	
Sensitivity	0~9 grades (adjustable)	
Max Vehicle Presence Time	3~255s (adjustable)	
CAN bus network range	3Km (20Kbps)	
Max passing time in red light	3~255s (adjustable)	
Network method	CAN Bus	

PGS-330

CHANNEL ACCESS CONTROL

The channel gate system is widely used in occasions where effective control of personnel access is required.Eg,. commercial office buildings, residential areas, factories, mines, hotels, clubs, libraries, canteens, campuses, government agencies, etc. It facilitate channel access control through various visual operations. It completely eradicates illegal access, and overcomes the shortcomings of the manual management mode, such as slow speed, encessive loopholes, high error rate, and high labor intensity. The channel gate series products mainly include: tripod turnstile, swing gate, wing gate, full height turnstile, speed gate etc.













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Finger print

open gate



Face recognition open gate





Working computer



Turnstile



23

Multi opening ways

Features



Barcode/QR code ticket open gate

Passwords open gate



Pinching protection function



Illegal entrance alarm



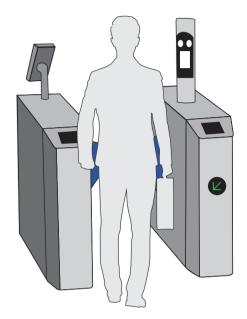
Reset automatically



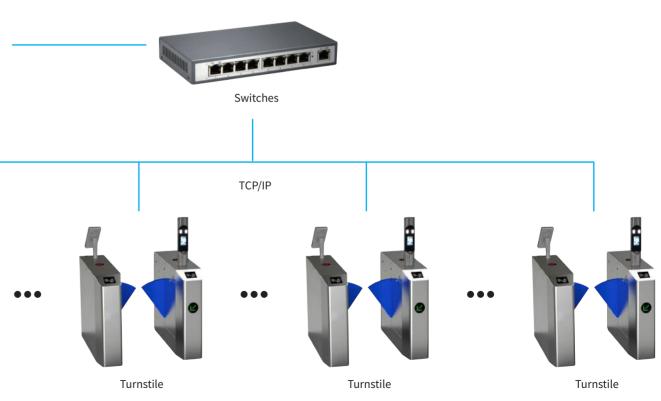
Tamper-proof lock

Face recognition open gate

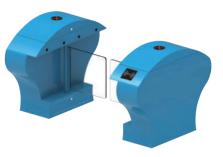
When the person near the turnstile within 2m, the camera will recognize the person's face and open gate with 'sound prompt'.



Face recognition channel system diagram



SWING GATE



CGS-5051 1200*280*980mm





CGS-8041 1200*300*980mm



CGS-5021

1400*180*1000mm

CGS-8051 300*1400*1000mm



CGS-5041 280*1200*1000mm



CGS-8021 1200x300x980mm

FULL HEIGHT TURNSTILE & TRIPOD TURNSTILE

CGS-6043

3600*1500*2300mm



CGS-6011 1630*1500*2300mm



CGS-6022 2400*1500*2300mm



CGS-3021 1200*280*980mm



CGS-3051 1200*280*980mm

CGS-3011 420*330*980mm





Product model
Work Voltage
Work Temperature
Voice Input
Network Communication
Stored Card Infoemation
Dimension

SDK supported parking system controller TCP-105

- Voice guide files can be downloaded and modified
- Transparent transmission of all serial ports supported SDK supply for free
- Driver for printer, card dispenser, reader integrated
- Interfaces can be controlled by TCP
- ODM/OEM service is available

TCP-105	RS 232	Two RS232 interface, which can connect IC reader, Barcode printer, Barcode Scanner
DC12V/24V	RS 485	One RS485 interface, which can connect LED Display , Advertising Screen or Amount screen
-40°C to +80°C	Weigen 26 Interface	Two Wiegand 26 interface, which can connect ID Reader, Long-rangeBluetooth reader,2.4G UHF Reader
No voice signal input and intercom	Barrier Interfance	Controls "Open"" Close"" Stop" and Closing feedback signal Input
TCP/IP	Voice Output	Directly drive loudspeaker and voice files can be customizable editor download
20000	SDK Development Kit	Provide SDK and users can develop own software
220.2*121.8*37.5 mm		

CARD DISPENSER

- The machine adopts full technical grade design and can adapt to high temperature or low temperature
- Simulation hand rub acting hairpin principle, for all kinds of variant card has strong adaptability
- Using standard card size.card thickness in the 0.3 mm to 2.0 mm in regulation
- Has card recovery function, can invalidate , in case of lost card or expired card.
- Has pre-card issuers function, which can effectively speed up the hairpin speed, reducing waiting time
- Sound alarm when less or empty of card
- Card box capacity according to need to be configured for 150-600 pcs
- Reserve RFID reader installation position
- Provide the I/O interface and RS232 two kinds of control mode









Accessory Wire

Extra Hopper









CARD RECEIVER



TCR-615P





Application scope

- Intelligent parking entrance unmanned management
- Phone card vending machines
- Tourist attractions tickets self-help sales system
- Unmanned automatic visitor management system
- Expressway entrance self-help hairpin channel management system
- Bank, scenic spot card counting system

Product model	TCD-180M	TCD-720M	TCD-820M	TCD-712P	TCD-812P	TCD-920M
Work Voltage	DC 24V/2A	DC 24V/2A	DC 24V/2A	DC 24V/2A	DC 24V/2A	DC 24V/2A
Work Temperature	-30°C~70°C	-30°C~70°C	-30°C~70°C	-30°C~70°C	-30°C~70°C	-30°C~70°C
Call Back Function	No	Yes	Yes	Yes	Yes	Yes
Card Box Height	150mm	150mm	150mm	150mm	150mm	480mm
Interface Mode	Low level I/O RS232	Low level I/O RS232	Low level I/O RS232	High level I/O	High level I/O	Low level I/O RS232
Dimension	160*78*228mm	230*78*228mm	270*78*228mm	230*78*228mm	270*78*228mm	270*78*580mm
Product Photo						





• Used for RFID card recovery or reading and writing

- Can be equipped with RFID reading and writing device
- Nonmetallic material design, does not affect the performance of RFID, speaking, reading and writing
- Can connect detector or infrared signal that can work
- Can receive the card or refect card instruction
- Card success output signal
- Prevent continuous insert card function
- RS232 and I/O level control interface

TCR-610P



Application scope

- Central charge parking management system
- Self-service pay parking management system
- Barrier gates card ticket recovery system
- Barrier gates checking ticket system

Product model	TCR-610P	TCP-615P
Work Voltage	DC 24V/2A	DC 24V/2A
Card Thickness	0.3 ~ 2.0mm	0.3 ~ 2.0mm
Control Interface	Low level I/O RS232	Low level I/O RS232
Application Function	Card in position signal output Receive card success pulse output	Card into the signal output Prevent continuous into card function
Application Scene	Parking Lot	Barrier Gate
Dimension	140*78*102mm	140*78*102mm
Product Photo		

RADAR DETECTOR



Dadar Dotocto							_
	•	tor	toc		3r	d	
Radar Detecto		LUI	LCL	DEI		u	Nа

Barrier anti-hit radar uses microwave radar technology. Applicable for highway and entry / exit of parking lot to replace loop and loop detector.

Working frequency	24GHz	
Working voltage	7-28VDC	
Working consumption	1.2W	
Detected	Person, car	
Background threshold	Auto or manual	
Sensitivity	adjustable	
Detect distance	6m(adjustable)	
Communication port	RS485,on and off signal	
Dimension	115*85*31.2mm	
Material	ABS+PC	
Protection	IP65	





VEHICLE LOOP DETECTOR



PD-132



PD-232



- High temperature stability
- Environment drift automatic compensation function
- Coil automatic fault detection function
- Multi-stage sensitivity adjustable
- Can be used with barrier gates and anti collision
- Can be used with the barrier gates and realized car pass gate close automatically function
- Double coil model can realize vehicle driving direction detection

Application scope

- Parking lot entrances vehicle detection
- Parking lot space information acquisition system
- Electronic police traffic lights snap shot system
- Traffic monitoring system



TLD-110



TLD-500

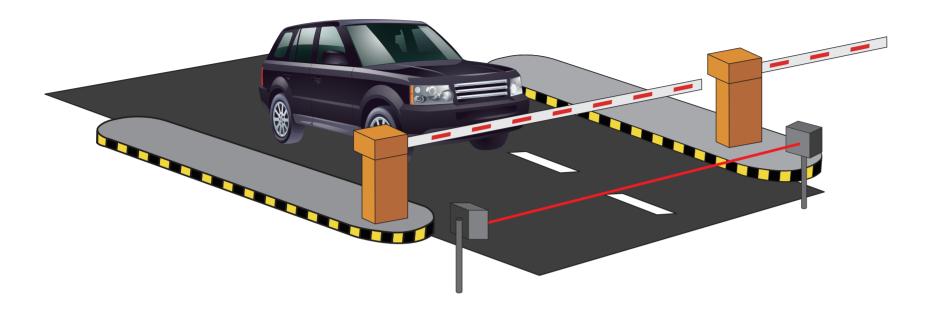
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Product Model	PD-132	PD-232	PD-234		
Work Voltage	AC 220V AC 220V DC 12~24V				
Loop Quantity	1	2	2		
Output Interface	two relay	two relay	two relay		
Output Signal Type	exist pulse	exist	exist pulse		
Frequency Adjustment	4 4 4				
Sensitivity	4 4 4				
Output Delay	no no no				
Dimension		78*40*108mm			
Product Photo					

Product Model	TLD-110	TLD-500	TLD-600
Work Voltage	AC220V	AC 220V	AC 220V
Loop Quantity	1	1	2
Output Interface	two relay	two relay	Four relay
Output Signal Type	exist pulse	exist pulse	exist pulse direction detection
Frequency Adjustment	2	4	4
Sensitivity	3	10	10
Output Delay	no	0-4.5s adjustable	no
Dimension	75*37*110mm	270*78*580mm	270*78*580mm
Product Photo			

TLD-600

INFRARED SENSOR





Working voltage	12~24V AC/DC	Working temperature	-20° ~ 60 °C
Working current	24V DC emitter: ≤15mA receiver: ≤30mA	Relay contact loading capacity	1A/30V DC
Photocell wavelength	940nm	Waterproof grade	IP45
Angle of opposite emission	≤±5°	Size	73*43*25mm
Receiver range	≥12m	Weight	67g

TP-6001



TP-6111

Size	127*50*35mm	Working temperature	-20°~60°C	
Weight	155g	Relay contact loading capacity	1A/30V DC	
Photocell wavelength	940nm	Angle of opposite emission	≤±5°	
Adjust Angle	0∼180°	Working current(24V DC)	emitter: ≤8mA receiver: ≤40mA	
Receiver range	≥12m	Working voltage	12~24V AC/DC or 2*1.5V,LR6 AA battery	
Waterproof grade	IP54			

Products Features

- Industrial-class standards and low power design
- The latest 32bits ARM microprocessor
- Support S50, S70 and compatible non-contact card
- Detect communication errors automatically
- Data is encrypted in transmission

Production Name	For housi	ng panel	For Card	Dispenser		For Desktop	
Model	RFM-200S	RFM-210R	RFM-300S	RFM-310R	RFM-100S	RFM-110	RFM-120
Operating Voltage	DC 5V	DC 12V	DC 5V	DC 5V	USB 5V	USB 5V	USB 5V
Read/write Time	<400ms	<400ms	<400ms	<400ms	<400ms	<400ms	<400ms
Communication Interface	RS232	RS485	RS232	RS485	RS232	USB(to RS232)	USB (HID)
Reading Distance	5~10cm	5~10cm	3~5cm	3~5cm	3~6cm	3~6cm	3~6cm
Outline Dimensions	142*128*10mm	142*128*10mm	89*57*10mm	89*57*10mm	141*100*30mm	141*100*30mm	141*100*30mm

CARD READER





TRF-012U

TRF-012W

Production Name	For Face Plate	For Card Dispenser	For Desktop	
Model	TRF-012W	TRF-011W	TRF-012U	
Operating Voltage	DC12V/100mA	DC12V/100mA	DC5V/100mA	
Read/write Time	125KHz	125KHz	125KHz	
Reading Distance	<200ms	<200ms	<200ms	
Communication Interface	Wiegand26	Wiegand26	USB-RS232	
Outline Dimensions	116*75*16mm	58*50*10mm	141*100*30mm	

IC CARD READER & ISSUER



RFM-100S

• SDK for secondary development is provided • RFID industrial applications can be provided





RFM-200S





TRF-011W

- Applicable Card: EM4100 series and other compatible format non-contact ID card
- Reading Distance : 7-10cm (depending on ID card type)
- Enable Control: enable control signal is supplied for system integration
- Output Indication: buzzer and LED light indicate state synchronously
- Overall Performance: High sensitivity, low power consumption, good stability
- Working Indication: built-in buzzer and card reading indicator

OUR PROJECTS



Parking system in Indonesia



Simple card parking management system



Long range parking management system



Auto pay station project in Malaysia



Standard parking management system



Smart ticket parking system



Parking guidance system



Shenzhen Baoan Passenger Transport Center Bus Station



Meilong Town, Jindi (Tidal Lane)



all in one ultrasonic sensor guidance system Card parking management system in Malaysia



Fengcheng People's Hospital



Wuhu Municipal Government of Anhui Province



Jiangxi Inspection Building

University Town Chuangke Town

Affiliated Hospital of Guiyang Medical University