# System Infra Solutions Pvt. Ltd.

*Solutions for life time...*

## The Leader of Intelligent Automation System

★ Intelligent Parking Lot System

★ Intelligent License Plate Recognition System

★ Intelligent Parking Management System

★ Intelligent Access Control Turnstile

## SYSTEM INFRA SOLUTIONS PVT. LTD.

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## ◢ COMPANY PROFILE

System Infra Solution Pvt. Ltd. was found on 2000, Is the intelligent system solutions and management systems equipment professional R & D, manufacturer and suppliers. Products include Intelligent Parking cloud systems, intelligent license plate recognition systems, smart Turnstile access control system, intelligent consumer systems, intelligent anti-static system, ID card and Face recognition 2 in 1 system. We are serving pan India.

Putting clients on the most important position is our concept and leading the industry and innovate the technology are our goal, We stick to the tenet as "the finest credit, the best quality, the excellent service", hold the spirit of "united, honesty, creative", warmly welcome all the friends comes form all over the world to develop and negotiate together!

## Expertise in Site Survey

- Telecom Tower Solutions
- Electrical Installations
- Fibre Optic Cable Laying
- Communication System Installation
- Earthing Work
- Solar Solutions

## Solution Offering

- Toll Management System
- Parking Management System
- Intelligent Traffic Solution
- Annual maintenance Contract
- Stack Car Parking
- Consulting

## Our Expertise in Telecom Sector

- AMF Panel
- Low Cost IPMS
- DC Energy Meter
- AC Energy Meter
- Battery Health Monitoring System
- Alarm Monitoring System
- Retrofit Controller
- Freecooling Uit Aviation Controller
- Telecom Shelter Repair & Maintenance

## Our Expertise in Security & Automation System

- Toll Management System
- Smart Parking system
- Highway Traffic management solution
- Intelligent management system (ITS)
- ANPR * UVSS integrated solution
- Perimenter protection systems
- Access management system
- Digital information system
- Automatic boom barrier
- Stack parking system DC
- Flap barrier
- Tripod system
- Fire alarm management system
- Automatic sliding gate
- Automatic swing gate
- Parking management system

## MANUFACTURING  SCALE

With advanced manufacturing equipment
With advanced production line in the world
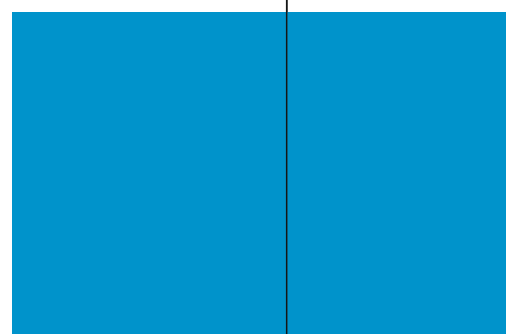
Self development
 Self manufacturing
  Self installation
   Self post-sales service

We are trying to producing
the best product during
every single link

# Intelligent Parking Lot System

# Topological Graph



The smart parking lot industry has entered a period of rapid development in recent years, and the traditional parking lot system has been unable to meet the diverse needs of consumers. From traditional single entrance control to today's automatic parking, license plate recognition, unmanned charges, and so on. The development trend of intelligent parking lots has the following aspects:

1. Network sharing data, breaking information islands, building smart parking Internet of Things platform, enabling parking guidance, parking space reservation, electronic automatic payment, fast access and other cloud parking functions
2. The unmanned service is gradually popularized, the labor cost is increasing, the human tactics are outdated, the participation of smart phones and mobile Internet, the future smart parking lot must be highly unmanned management.
3. Traditional card-to-license recognition, simplifying and simplifying, gradually abandoning the habit of the owner to enter and leave the card, to achieve automatic identification of the license plate, improve efficiency, avoid multiple users using the same card, and other issues.

The development of smart parking lots in is getting better and better, and the whole day is on the rise. Pressing technology as the leader in the technology of parking lot industry has always kept close to the market demand, and the products are new and stand on the top of industry development.

## Five Major Selling Points of Anxia License Plate Recognition

1. **Hardware identification:**
that is, it is completely different in the camera, and then the recognized license plate information is transmitted to the software for comparison analysis;

2. **Digital network camera integrated machine:**
that is, camera photo recognition module is combined, easy to install and maintain;

3. **The monthly car can be used offline:**
there is a storage chip, which can transfer the information of the monthly car to the one machine. It is very convenient without a computer, especially convenient for units or communities without temporary vehicles;

4. **High recognition rate:**
the recognition rate of license plate recognition system developed by our company is over 99%;

5. **Virtual sense of ground:**
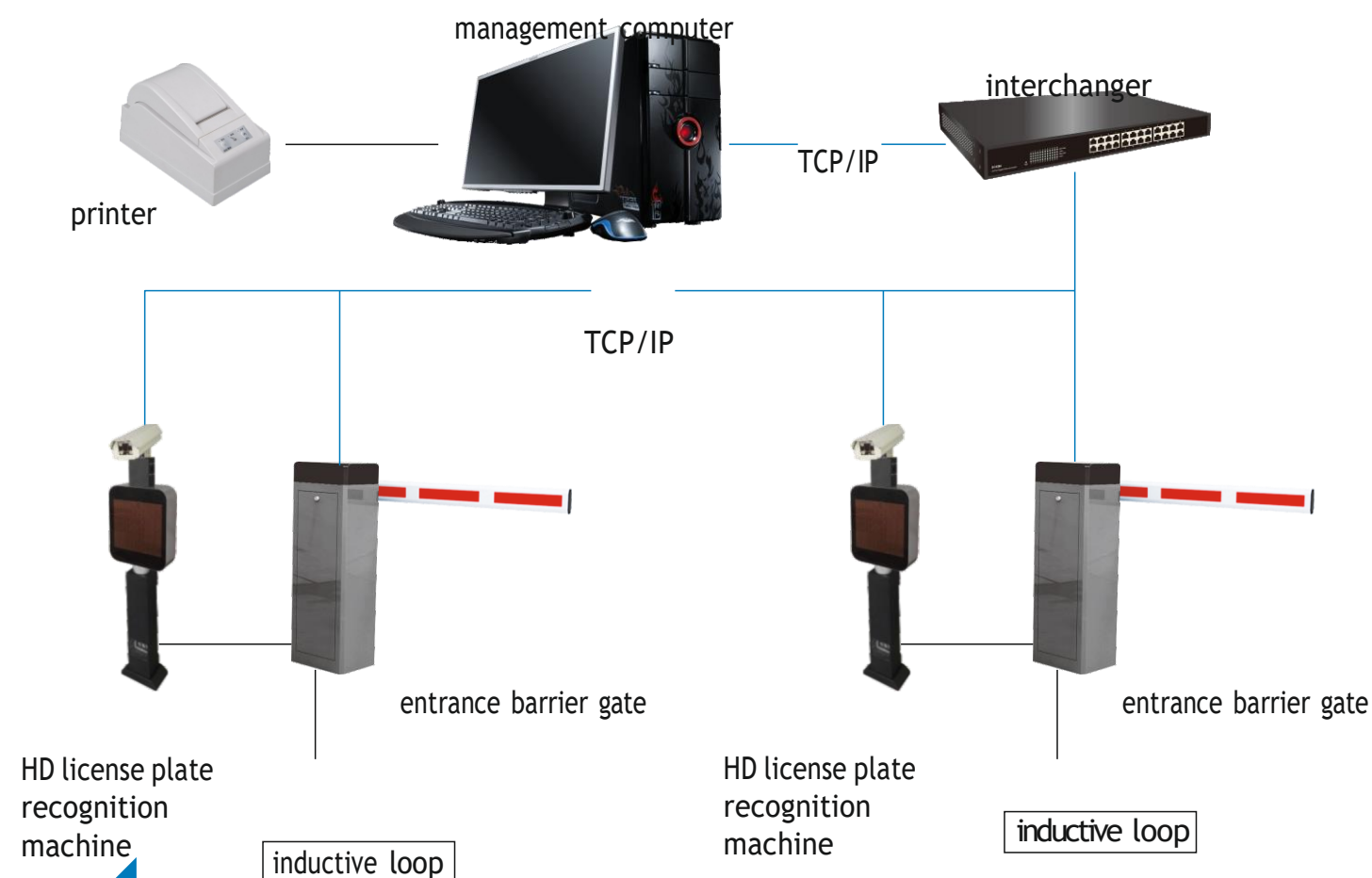
no need to change the sense of the ground, but through the software virtual one license plate recognition area, you can achieve the real sense of the effect, greatly reducing the construction difficulty.

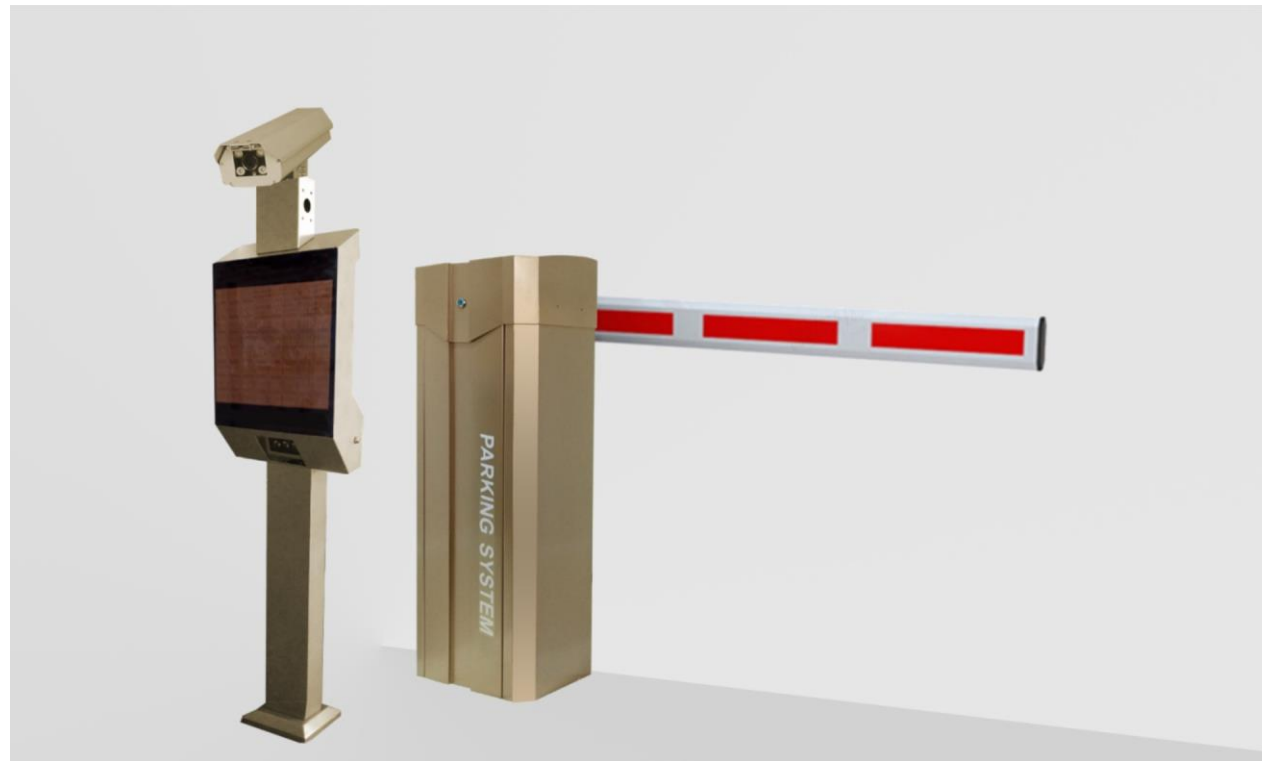Topological Graph labels:
- management computer
- printer
- interchanger
- TCP/IP
- TCP/IP
- entrance barrier gate
- entrance barrier gate
- HD license plate recognition machine
- HD license plate recognition machine
- inductive loop
- inductive loop

# License Plate Recognition System With Boom Barrier

A type          B type          C type

# Golden Color

License plate recognition system with boom barrier **(D type)**

## Main Function:

1. Integrated HD license plate recognition, recognition rate >99.99%
2. Integrated parking controller, charging, display, voice, switch
3. Integrate 4 lines and 4 words to display large screen, display identification vehicle information, and publish advertisements
4. Integrated highlight fill light
5. Support TTS universal voice broadcast, users can set personalized voice
6. Support tcp communication
7. The display can be rotated 30 degrees left and right
8. Multi-punch waterproof, dustproof, anti-shake design, user safety and peace of mind
9. Highly integrated (only one power supply, one communication line, one open brake line)
10. Appearance is noble, stylish, atmospheric

# Silver Color

License plate recognition system with boom barrier **(E type)**

## Parameter Description:

Operating voltage: AC 220 V

Working environment temperature: -25 ° C - 60 ° C Relative humidity: <=95%

Communication interface: Rs 485

Longest communication distance: 1200 meters

## Main Function:

1. Four-layer outdoor waterproof, dustproof, release display large screen
2. Integrated parking control panel, voice version
3. Open the gate, display, voice integration
4. Display 2 lines and 8 words
5. Support 220V household electricity
6. Support 485, TCP communication at the same time

## Parameter Description:

Working voltage: AC 220V

Working environment temperature: -25 ° C - 60 ° C

Relative humidity: <=95% Communication interface: Rs485 Longest

communication distance: 1200 meters

License plate recognition
system with boom barrier
**(A type)**

## Main Function:

1. Integrated HD license plate recognition, recognition rate >99%
2. Integrated parking controller, charging, display, voice, switch
3. Integrate 4-line 4-word large screen, display and identify vehicle information, and publish advertisements
4. Integrated highlight fill light
5. Support TTS universal voice broadcast, can set personalized voice
6. Support TCP communication
7. The display can be rotated 30 degrees left and right
8. Multiple waterproof, dust-proof, anti-shake design, user safety and peace of mind
9. Appearance is noble, stylish, atmospheric time

License plate recognition
system with boom barrier
**(B type)**

## Main Function:

Display type: double layer (8 words), single layer (2 words).

Effects: Immediate display, scrolling from right to left, automatic line feed display, scroll up display.

Display mode: text display, clock display Size: 163*40*20.

License plate recognition
system with boom barrier
**(C type)**

License plate recognition
system with boom barrier
**(F type)**

## Parameter Description:

Working voltage: AC 220V

Working environment temperature: -25 ° C - 60 ° C Relative humidity: <=95%

Communication interface: Rs 485

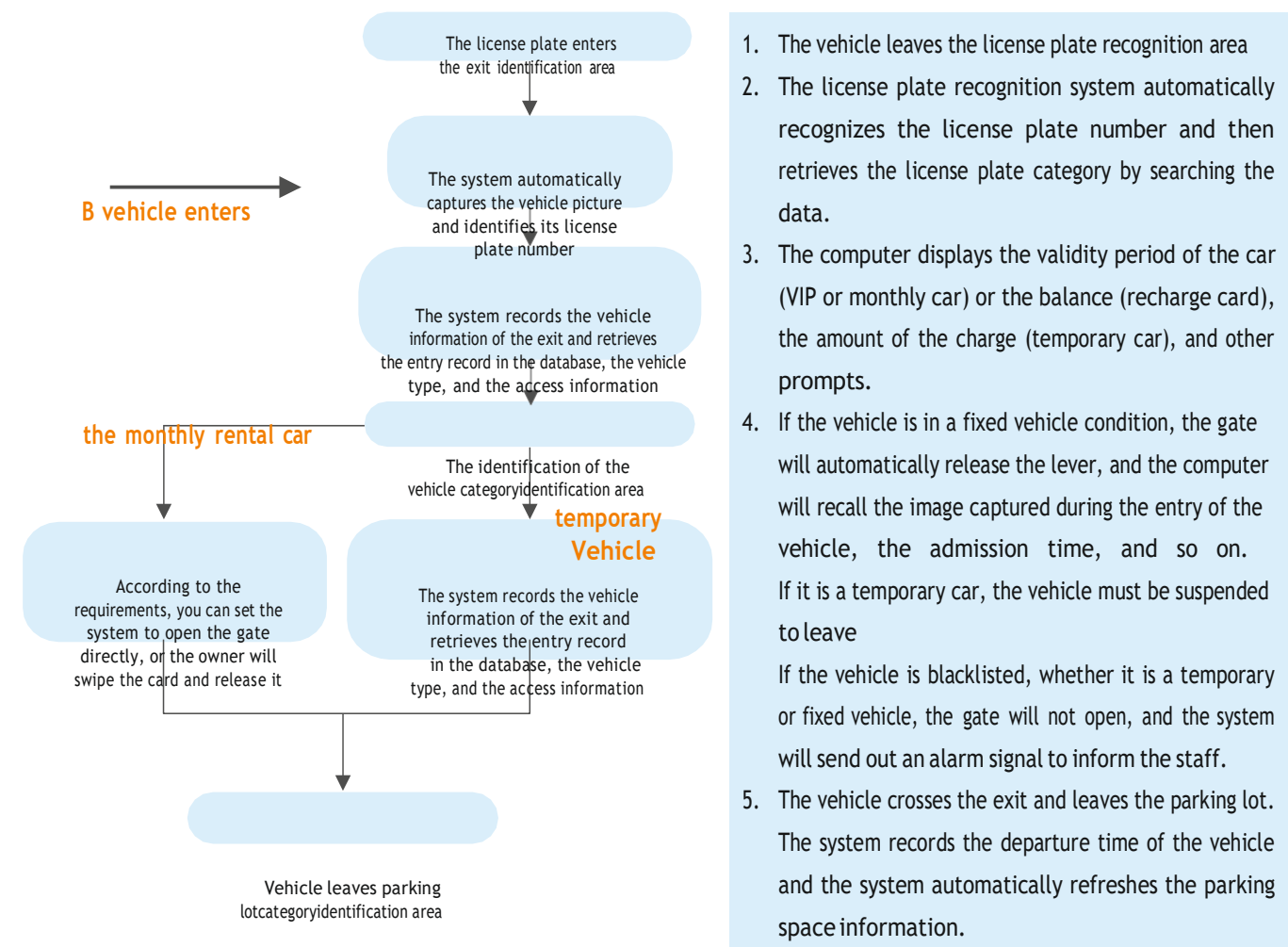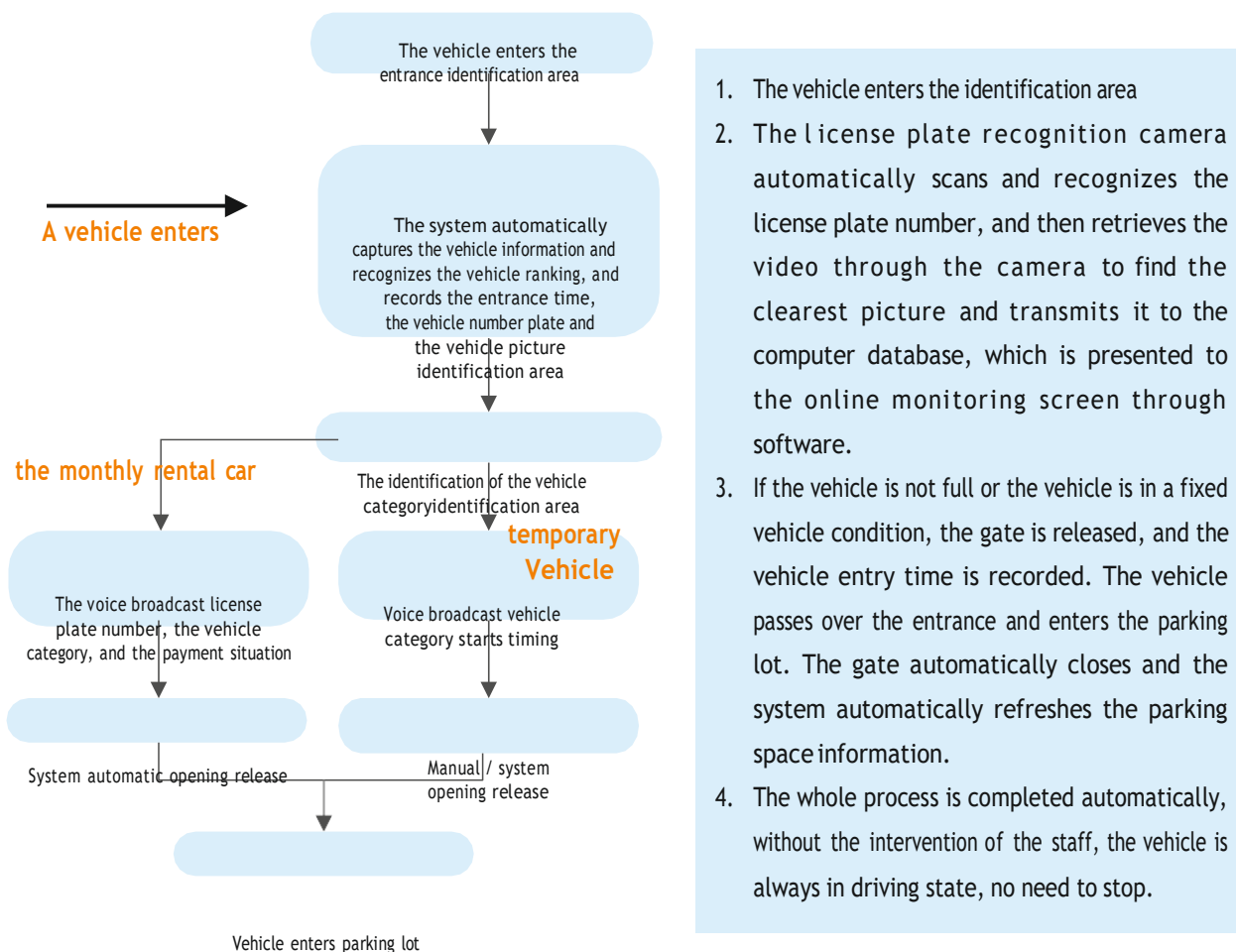Longest communication distance: 1200 meters

## Main Feature:

Display type: double layer (8 words), single layer (2 words)

Effects: Immediate display, scrolling from right to left, automatic line feed display, scroll up display

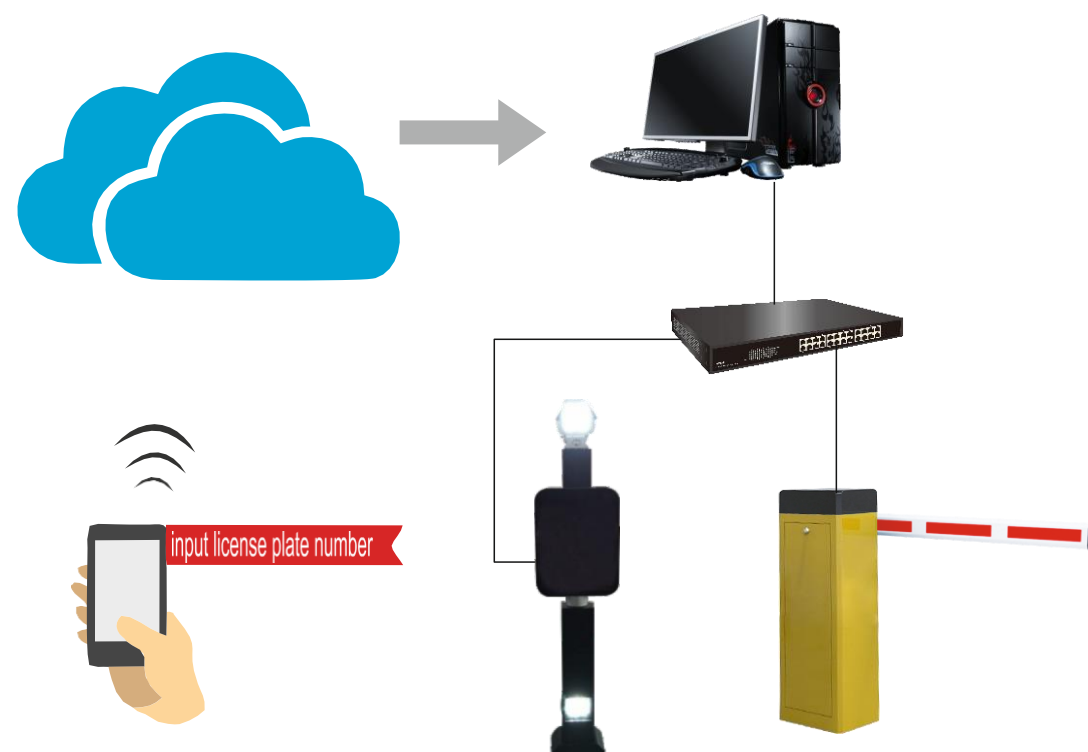Display mode: text display, clock display Size: 163*40*20
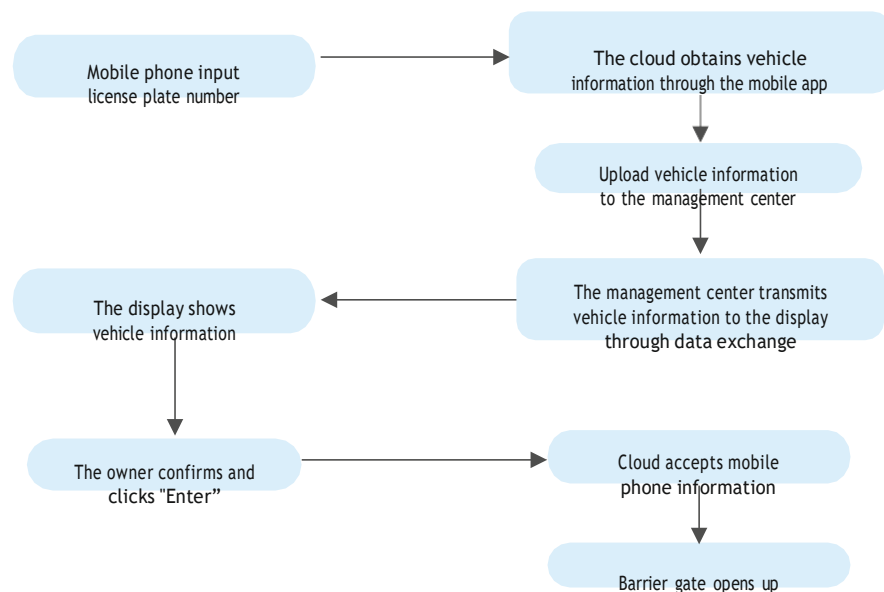
# License Plate Recognition System Flow Chart

Entrance schematic



Export schematic



**A vehicle enters**

The vehicle enters the entrance identification area

The system automatically captures the vehicle information and recognizes the vehicle ranking, and records the entrance time, the vehicle number plate and the vehicle picture identification area

**the monthly rental car**

The identification of the vehicle categoryidentification area

**temporary Vehicle**

The voice broadcast license plate number, the vehicle category, and the payment situation

Voice broadcast vehicle category starts timing

System automatic opening release

Manual / system opening release

Vehicle enters parking lot

1. The vehicle enters the identification area
2. The license plate recognition camera automatically scans and recognizes the license plate number, and then retrieves the video through the camera to find the clearest picture and transmits it to the computer database, which is presented to the online monitoring screen through software.
3. If the vehicle is not full or the vehicle is in a fixed vehicle condition, the gate is released, and the vehicle entry time is recorded. The vehicle passes over the entrance and enters the parking lot. The gate automatically closes and the system automatically refreshes the parking space information.
4. The whole process is completed automatically, without the intervention of the staff, the vehicle is always in driving state, no need to stop.

**B vehicle enters**

The license plate enters the exit identification area

The system automatically captures the vehicle picture and identifies its license plate number

The system records the vehicle information of the exit and retrieves the entry record in the database, the vehicle type, and the access information

**the monthly rental car**

The identification of the vehicle categoryidentification area

**temporary Vehicle**

According to the requirements, you can set the system to open the gate directly, or the owner will swipe the card and release it

The system records the vehicle information of the exit and retrieves the entry record in the database, the vehicle type, and the access information

Vehicle leaves parking lotcategoryidentification area

1. The vehicle leaves the license plate recognition area
2. The license plate recognition system automatically recognizes the license plate number and then retrieves the license plate category by searching the data.
3. The computer displays the validity period of the car (VIP or monthly car) or the balance (recharge card), the amount of the charge (temporary car), and other prompts.
4. If the vehicle is in a fixed vehicle condition, the gate will automatically release the lever, and the computer will recall the image captured during the entry of the vehicle, the admission time, and so on.
   If it is a temporary car, the vehicle must be suspended to leave
   If the vehicle is blacklisted, whether it is a temporary or fixed vehicle, the gate will not open, and the system will send out an alarm signal to inform the staff.
5. The vehicle crosses the exit and leaves the parking lot. The system records the departure time of the vehicle and the system automatically refreshes the parking space information.

# Intelligent Cloud Parking System

input license plate number

**Vehicle entry process**

Pays parking fees

**Vehicle entry process**

Mobile phone input
license plate number

The cloud obtains vehicle
information through the mobile app

Upload vehicle information
to the management center

The management center transmits
vehicle information to the display
through data exchange

The display shows
vehicle information

The owner confirms and
clicks "Enter"

Cloud accepts mobile
phone information

Barrier gate opens up

Camera captures
the license plate number

Management Center uploads
vehicle information to
the cloud server

Transfer vehicle information to the
management center via data exchange

The management center
transmits the consumption information
to the display through data exchange

The display shows the current
consumption of the vehicle

The owner pays by mobile phone
consumption of the vehicle

Cloud receives mobile
payment information

Barrier gate opens up

# Parking Guidance System

## Advantages of Parking Space Guidance System

1. With the parking lot of the Anxia parking space guidance system, the driver can find the empty parking space accurately and safely through the eye-catching guide screen.
2. Improve the utilization rate of parking lots, better manage parking lots, reduce the operating costs of large and medium-sized parking lots, and greatly improve social and economic benefits. Eliminate parking troubles for customers, easy parking, save time and improve efficiency. It is one of the necessary systems for advanced parking, and it is a comprehensive manifestation of strength.
3. The parking guidance system is fully humanized from the nuances, making the parking management level even further.

## Functional Schematic

Ultrasonic car finder system

PC terminal

Parking guidance system software

Empty parking space Available lots ←001

Empty parking space Available lots ←003

Empty parking space Available lots ←000

Detector
Signal light

Node controller

Central controller

First floor 001
Second floor 002
Third floor 003
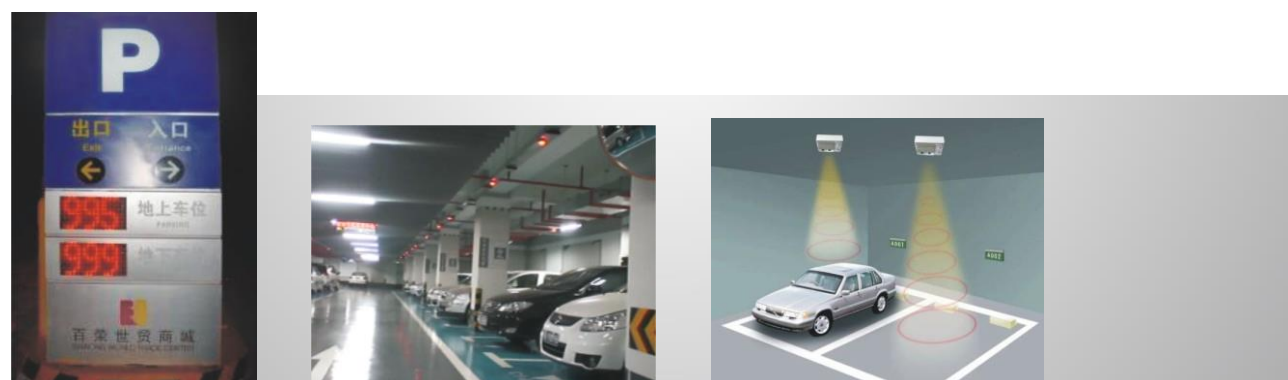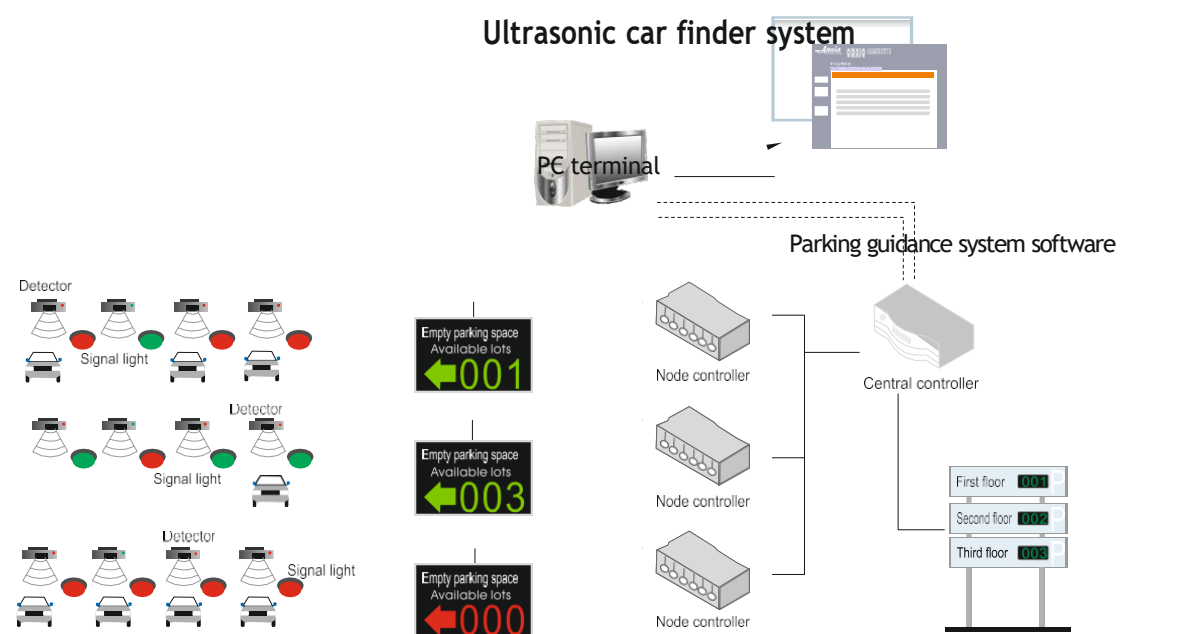
## Video Car Search System

Camera

video processor

Entrance/exit license plate recognition camera

Car finding mahine

485
Empty parking space Available Lots ←888
Indoor parking space display

Router

Pay by Wechat

Empty parking space Available Lots ←888
Indoor parking space display

Outdoor remaining parking space display

Control center

## Car Searching Terminal

◆ Check the parking position of the vehicle according to the license plate number or parking time to avoid searching for your own vehicle for a long time.
◆ Improve customer satisfaction, thereby improving customer return rate
◆ Because of reducing the time for finding vehicles, it improves the turnover rate of parking lots and improves the turnover rate of parking spaces.

# Intelligent Parking Lot

## Cool Blue Series

AX-602

AX-614

AX-612

Optional colors

red   orange   gray

### System Features

1.  It can be combined with the in/out card reader at the same time, and the fixed vehicle can realize the non-stop card reading and manage it more scientifically.
2.  Real-time dynamic monitoring equipment, real-time monitoring of the status of the card machine and the number of stored cards, and display on the screen
3.  The security of funds, the system records illegal incidents (such as automatic opening, manual opening, etc.), can be monitored, effectively avoiding the loss of funds due to negligence or intentional cheating of the duty officer
4.  Can be offline, off-network operation, the system can still work normally in the case of network or computer failure; when the computer and network are repaired, the offline records in the control will be automatically uploaded to the computer for saving, effectively Guarantee system runs 24 hours a day
5.  Other expansion functions: support central charging function, automatic license plate recognition (car and card binding)

## Sharp Arrow Series

AX-802

AX-603

Optional colors

red   orange   gray

### System Features

1.  Support a variety of readers: IC card, EM card (remote card reader)
2.  When a card is bound to a car, the vehicle can be set to do not repeat the card reading function. When the vehicle reads the card, the card cannot be read repeatedly. The vehicle must leave the gate and close the channel, and the subsequent vehicle can read the card.
3.  Real-time dynamic monitoring device, real-time detection of the working status of the machine and the number of stored cards, and display on the screen
4.  Can be offline, off-network operation, the system can still work normally in the case of network or computer failure; when the computer and network are repaired, the offline records in the control will be automatically uploaded to the computer for saving, effectively Guarantee system runs 24 hours a day
5.  Other expansion functions: support central charging function, automatic license plate recognition (car and card binding).

# Advertising Door

## Product Description

The pedestrian channel advertising door is a new product integrating traditional iron gates and advertising light boxes. Advertising doors are suitable for: residential areas, scenic spots, commercial centers, stations, etc.

Automatic door (double door)

The automatic built-in drive clicks and uses the gear set to decelerate, which can rotate 180 degrees forward and backward, and the left and right open doors are not restricted.
According to the scene, you can change the position of the magnetic lock at will.
Automatic control system, stable operation and good stability.

Manual type (single open door)

Manual type, using the door closer to control the direction of the switch, by adjusting the door closer pressure reducing valve, it can smoothly slow down the door opening effect.

Telescopic type (freely adjust the width of the door)

The telescopic section adopts a telescopic structure of the door body, and can flexibly adjust 50 cm according to the width of the channel, and the middle gap portion can be correspondingly increased/decreased.

Regardless of manual type, automatic type, and telescopic type, it can control the identity of incoming

## Product Features

The intelligent access door is an automatic door controlled by an electromagnetic lock.

The door body adopts outdoor environmental protection and anti-rust treatment, anticorrosion, anti-collision, high-end appearance, and improve the community level.

The motor drive of the advertising door is fine, low energy consumption, superior performance, standby power less than 6W, working power 45W

Use double-sided tempered glass light box advertisement, easy and quick to disassemble and replace, more energy-saving and energy-saving

Access control system module design, good stability, strong function, support a variety of door opening methods: password, IC card, remote control, etc.

Low noise, long service life, ultra-quiet, less than 55db when working

The double-sided screen is close to 1 square meter, and the LED light source is evenly illuminated to attract the eye.

## Product Features

Low consumption, standby power less than 6W, working power 45W Ultra-quiet, the noise is lower than 55db when working

High strength, can withstand 200kg pull

Support multiple signal inputs, relay signals, voltage signals (5-24V)

Current overcurrent, overvoltage, overload, short circuit protection Intelligent resistance, push the door to flip

Motor current, thrust, speed can be precisely adjusted

# Advertising Barrier Gate

## Product Description

Advertising gate is a unique and used high-quality new media. It refers to special alloy plane advertising carriers hanging on the gates of urban real estate, community, Shangxia, hotels, parking lots, etc.



## Product Parameters

Product model: AX-DS-B0

Center height of upper beam: 1050 mm

Working voltage: 220V±10%/50Hz

Remote control distance: ≤30m

Input interface: +12V level signal or

Operating ambient temperature: -25 ° C ~ 60 ° C

Communication interface: RS485 electrical standard

Relative humidity: less than or equal to 95%

Outer box dimensions: 850x420x1300 mm

Road gate length: 2.5m, 2.8m, 3.2m, 3.5m, 3.7m

Chassis screen size: 500mm x 1000mm

Replica screen size: 2150 x 830mm, 2450 x 830mm, 2860 x 830mm, 3100 x 830mm

Lifting time: generally 4 seconds (special requirements can be customized)



Standard model (powered type)

The standard model (powered type) uses the electric drive to pass the motor inside the brake lever. The brake dry motor is connected to the advertising gate drive shaft. Before the landing gear, the brake motor drives the motor to rotate the advertising surface to 90. Degree again. This kind of traditional operation using the motor to pull the flap can increase the anemometer, battery, and drive battery, so that the advertising gate can more play more features and performance is more prominent.



Simple style (no power type)

The simple type (no power type) uses mechanical transmission (no power drive), and the lever is turned over again. The mechanical operation mode, each component is work alone, the installation and maintenance are relatively simple, the landing speed is about 2 seconds faster than the motor drive, and there is a problem with one blade, which will not affect the overall operation.

## Main Features

1. The chassis is durable and waterproof, and can be used in outdoor environments.
2. The shape is simple and generous, the light box with the best perspective is in the advertising space, the layout is detachable and the operation is simple.
3. Chassis advertising light box has fixed screen, scrolling screen, LCD screen playing three, a variety of options.
4. Advertising light box and flip board are equipped with LED lights, turn off the lights during the day, turn on the lights at night, adjust the time period, save energy and save energy
5. Easy to operate, flexible, safe and reliable
6. A variety of control modes are available for the user to select, and the external control box button can be used to realize the manual control of the gate, and the remote control device can also be selected to remotely control the gate.
7. The use of multiple protection measures (wind protection, motor thermal protection, anti-surge protection, anti-lightning protection), the safety and reliability of the gate operation is greatly improved.
8. In addition to the general interface gull, the system adds other protective equipment such as air pressure waves, so that the system has anti-mite function.
9. It has the function of "automatically falling off the car after the car has passed" and "automatic lifting of the lever when the vehicle passes" to improve the automatic closing function.
10. Has a directional function to effectively improve vehicle efficiency
11. The system uses a standard electrical interface to facilitate connection with other systems selected by the user.
12. All moving parts have been adjusted to the best balance, stable operation, low noise and long service life.

# High-speed Barrier Gate

## AX-G307

### Performance Characteristics

The operation mode is manual or remote control, accepting the card signal lifting, combined with the ground sense coil;
The pole lift is gentle and reliable, and the adjustable time is 1.5~6 seconds;

The unique manual clutch device is light and compact, and the pole can stay at any angle; Made of pure copper movement;
Infrared sensor anti-tamper function; Support external and built-in sense; With a time-delay function;
Fast heat dissipation to prevent crashes due to overheating of the movement;
The shape of the chassis is treated with a special process to reach the highest level in the industry.

Optional color
orange  yellow  gray

## AX-G308

### Technical Parameters

Power supply voltage: 220V/±% Voltage frequency: 50/60Hz Rated power: 90W
No-load speed of the motor: 1400 rpm
Self-contained pole with resistance rebound function
Traffic light interface: (220VAC) Remote control distance: ≥ 30 meters
Rod length: within 6 meters, within 5 meters of folding rod
Rod material: aluminum alloy Chassis size: 350 x 280 x 1060mm
Pole size: 100 x 45 m
Average number of failures: greater than or equal to 3 million times
RS485 interface optional
The following types of lever gates are available: Folding arm (1-5m)
Fence pole (1-5m)

Optional color
red  blue  gray

## AX-G306

### Technical Parameters

Standard color: orange, gray
Chassis size: 350x350x1050 mm
Can be equipped with: octagonal pole below 4 meters
Speed: 1.5~4 seconds
Ambient temperature: -25°C~60°C
Relative humidity: 5%~95% Voltage: 200V/50Hz
Remote control distance: 30m
Dimensions: 405x292x1019mm
Installation size: 235x235x172mm
Power: 150W | Gate center height: 880mm | Gate type: standard straight rod
Communication protocol: RS-485 interface, up to 1200 meters
Working power supply: AC220V±10%V (50Hz)

## High-speed Gate Performance Characteristics

Turbo drive, simple structure, durable, stable and reliable
State-of-the-art balancing mechanism ensures smooth, balanced operation Modular design, standard terminal block output strong and weak electrical partition separation, full circuit non-contact control, ensuring reliable operation
An anti-mite control system is added to ensure the safety of the vehicle, and the emergency department is manually lifted and lowered;
Control input/output sections use optocoupler relays to block electrical shock The gate lift time is only 1.5 seconds
3 million service life, no pollution, no wear, no need for lubricant maintenance
The ground sense coil controls the automatic drop lever after the vehicle has been tested, and has the function of preventing the brake.
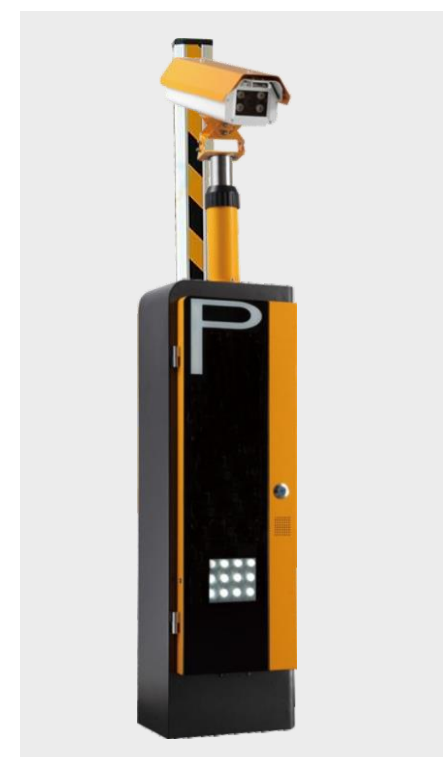
## Gate Identification Integrated Machine

### Technical Parameters

Size: 1780 * 340 * 280 mm
Voice prompt: collected voice by real human
Data communication: Ethernet communication interface
Words display mode: scroll up/scroll down / horizontal scroll
Digit display mode: 4 digits

LED light attenuation: ≤5%/10000hour  （25℃，current: 20mA）  Installation angle: adjustable

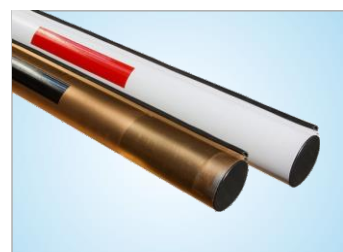LED visual angle: ±35°* ±20°
LED average life span: ≥50000 hours
Input voltage: AC 200~ 250V, 50Hz
Working temperature: -20 ~ 65℃

## Cylinder Face Recognition System

| | |
|---|---|
| Screen | Size：5 inch，170°IPS Liquid Crystal Display<br>Resolution：480 * 854 |
| Camera | Pixels：2 mega pixels<br>Type：RGB camera<br>Aperture：F2.4<br>Focal length：6 mm<br>White balance：Automatic<br>Wide Dynamic：Supports |
| Core Parameter | CPU：Quad Core, 1.8 GHz<br>Device interface：RAM 2GB，storage capacity 8GB |
| Interface | Audio：1 channel audio output<br>Video：1 channel HDMI 2.0 Type-A<br>Serial communication interface：1 RS232 Interface<br>Relay output：1 relay interface<br>Reset interface：With RESET button on the extension cord<br>Internet interface：1 RJ45 10M/100M adaptable Ethernet interface |
| Function | Face detection：Support detecting/tracking 5 persons at the same time<br>1：N face recognition：When false recognition is 0.03%,Face<br>                              recognition accuracy is 99.7%<br>Stranger detection：Support<br>Recognition distance configuration：Support<br>UI interface configuration：Support<br>Device remote upgrade：Support<br>Deployment method：Support public network, LAN |
| General Parameters | Protection level：IP42，with a certain dust-proof /water-proof fuction<br>Power supply：DC12V（±10%）<br>Working temperature：-10℃~60℃<br>Working humidity：10%~90%<br>Power：10 W Max<br>Device size：560 *φ114mm （Height * Diameter）<br>Weight：≈5kg |

## Housing Parameter

| |
|---|
| Housing material: stainless steel with varnish stoving |
| Working temperature: AC220V ±10%, 50 Hz |
| Motor type/ rated power: DC variable frequency motor/140 W |
| Life span: ≥ 2 million times |
| Torque: 70 N*m |
| Running time: 1 ~ 6 seconds, adjustable |
| Housing size:350mm * 280mm * 1060mm |
| Working temperature: -40℃ ～75℃ |

Oval shape arm     Octagon shape arm     Retractable arm     Barrier

Folding arm

## Cylinder Face Recognition System
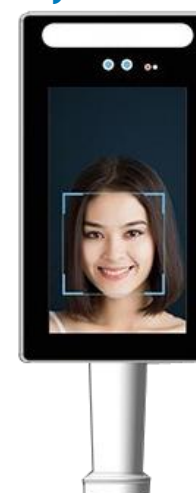
### Product Features

1.  Support for external large screen;
2.  Dynamic double-camera identification for anti-counterfeiting, completely solving the deception of photos;
3.  With night infrared, RGB light;
4.  Support the insertion of 4G network card wireless Internet access;
5.  Support the storage of 100,000 face photos, 1 million identification records;
6.  Support 1:1 face comparison, and 1:N face recognition;
7.  1:N recognition accuracy is high, the face database is 10,000 (recommended face database is not higher than 10,000), there is only one in ten thousand false recognition
    Rate, passing rate is 97%, and 1:1 face recognition accuracy rate reaches 99.7%;
8.  The recognition speed is fast, face tracking and detection takes about 20ms, face feature extraction takes about 200ms, face comparison takes about 0.1ms;
9.  Support stranger detection, stranger's level can be configured;
10  .Support the preservation of live photos when taking face recognition or stranger detection;
11. Support multiple deployment modes such as public cloud, private cloud and local area network;
12. Support the interface and support the building system;
13. Support identification distance configuration;
14. Support screen display content configuration.

## Arm Parameter

| |
|---|
| Arm shape: Oval/Octagon |
| Arm type: straight arm/ folding arm/ barrier |
| Color: red&white/ blue&whit/ black&yeellow/ gold |
| Material: Aluminum alloy, with surface spray treatment |
| Arm length: 1 ~ 6 meters adjustable, 3 ~ 6 meters |
| for(Retractable arm) |
| Thickness: 1.2 mm |

### ■ Product Parameter

Housing material: aluminum alloy

Size: 120mm*217mm

Camera: 2 mega pixel HD imported camera

Working temperature: -10 ° C ~ 60 ° C

Working humidity: 10% to 90% | Power consumption: 10W

Installation method: wall bracket installation, turnstile bracket installation

ght: infrared, LED light

System:  Android
CPU: quad core 1.8GHZ
Display: 7-inch IPS LCD screen
Power: DC12V
Weight: ≈ 2KG

# Intelligent Channel Gate

## Speedy Turnstile



### Features

1. Adopt industrial grade 32-bit ARM chip, fast response speed and greatly improved processing capacity
2. Using electromagnetic clutch device
3. Angle detection and control by angle encoder, greatly improving the accuracy of the swing angle
4. After swiping the card, the swing arm opens to prompt the pedestrian to pass. After the pedestrian passes, the swing arm automatically closes.
5. If the swing arm is not open, if the swing arm is forced into the swing, the swing arm swings beyond a certain angle and is immediately unlocked to avoid the break of the swing arm and the damage of the traditional swing gate.
6. Anti-reverse, after the card is swiped, only pedestrians are allowed to travel in one direction; if they pass in the opposite direction, an alarm will be issued, and in some cases the swing arm will close quickly.
7. The speed can be adjusted according to the requirements of different places. The switch used for adjustment is built in.
8. After obtaining the permission, if it does not pass within the set time, the access permission will be automatically canceled and the initial state will be restored.
9. Use several pairs of infrared probes to detect various travel states

   After the power is cut off, the swing arm is in a state of no resistance
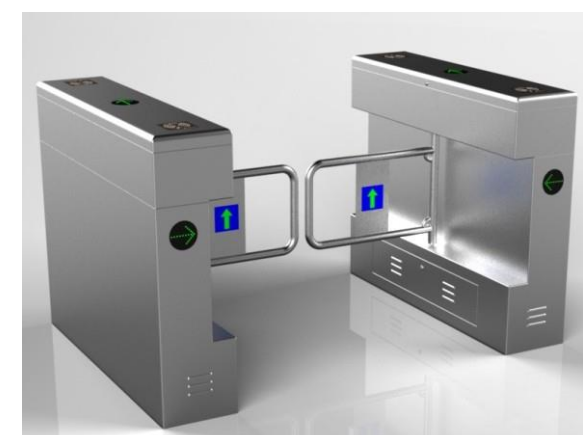
# Swing Gate Series
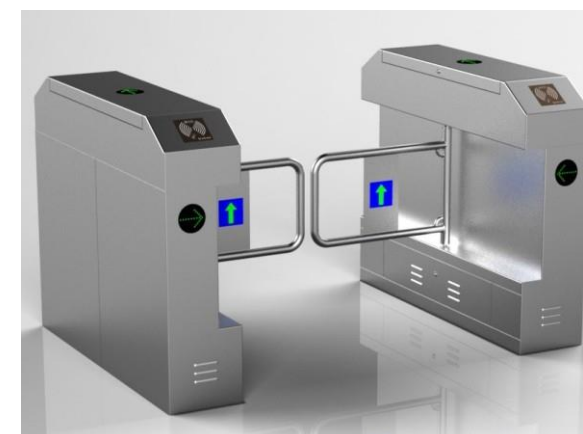


Model: AX-B001
Channel width: ≤900 mm
Size: 1200 x 280 x 990 mm



Model: AX-B005
Channel width: ≤900 mm
Size: 1200 x 280 x 990 mm



Model: AX-B003
Channel width: ≤900 mm
Size: 1200 x 280 x 990 mm



Model: AX-B006
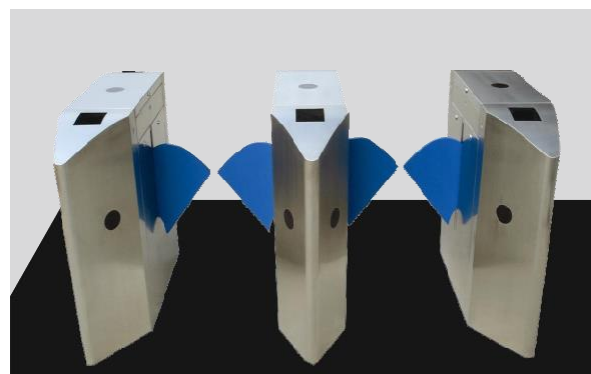Channel width: ≤900 mm
Size: Φ168 x 600 x 1050 mm

### Features

1. Use IC card, ID card, magnetic card or barcode card as automatic identification system to realize access control, attendance or charging function
2. With fault self-test and broadcast function, it greatly facilitates the maintenance and use of equipment.
3. With normally open and normally closed working mode 4.With card memory, why not with memory, users can set online
5. With automatic reset function, after the card is read, when the pedestrian does not pass the time specified by the system, the system automatically passes the permission this time, and the reset time value can be set online.
6. With direction indicator, display the current status of the channel to pedestrians, guide pedestrians correctly, and quickly pass
7. After the system is powered off, the manual opening function is that the channel gate is open and the barrier-free state is formed.
8. Several pairs of infrared probes are used to detect various travel states, protect pedestrians from passing smoothly, and have anti-tailing function.
9. Can be used in the same system as other styles of channel gates
10. It has a unified and standard external electrical interface, which can be connected with other reading and writing devices for easy integration and remote control and management through management computer.
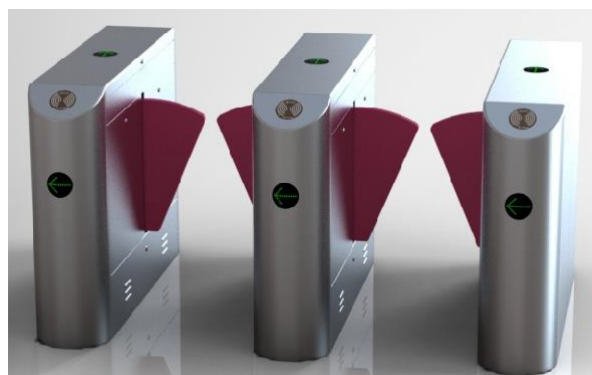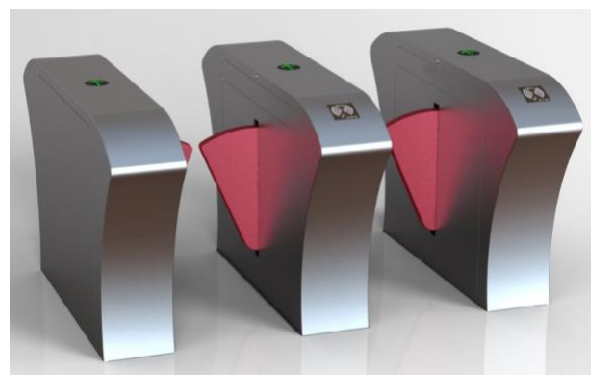
# Wing Turnstile Series

Model: AX-Y002
Channel width: ≤600 mm
Size: 1200 x 280 x 990 mm

Model: AX-Y001
Channel width: ≤600 mm
Size: 1200 x 280 x 990 mm

Model: AX-Y007
Channel width: ≤600 mm
Size: 1200 x 280 x 990 mm

Model: AX-Y008
Channel width: ≤600 mm
Size: 1200 x 280 x 990 mm

## Turnstile Parameter

Structure: 304# stainless steel frame structure and sprayed plastic case

Turning of the gate: one-way / two-way

Anti-reverse: with anti-reverse function to ensure one card per person

Power supply: AC198V~248V, 50Hz±4%, Output: AC24V, DC12V

Machine consumption: less than 30W when working

Outdoor: It is recommended to have a ceiling above the gate. When the relative humidity of the environment is less than 45%, the relevant maintenance staff should wear an anti-static wrist strap to open the chassis.

Passing speed: 35-45 person/minute Machine life: 10 years (not consumables)

Maintenance port: 1

Net weight of gate: 100kg (excluding control equipment)

# Tripod Turnstile

Model: AX-S005
Channel width: ≤ 600 mm
Size: 1200 x 280 x 990 mm

Model: AX-S003
Channel width: ≤ 600 mm
Size: 1200 x 280 x 990 mm

Model : AX-S001
Channel width : ≤600 mm
Size : 420 x 330 x 980 mm

## Features

Use IC card, ID card, magnetic card or barcode card as automatic identification to achieve access control, attendance or charging function

With fault self-test and broadcast function, it is convenient to maintain and use equipment With normally open and normally closed working mode

With card memory, and without memory function, users can set online

With automatic reset function, after the card is read, when the pedestrian is in the time specified by the system, the system automatically cancels the access permission, and the reset time can be set.

With direction indicator, I want the pedestrian to display the current status of the channel, guiding pedestrians to pass quickly.

With anti-tailing function, organize pedestrians to enter illegally Can be used in the same system with other styles of channel gates

It has a unified and standard external electrical interface, which can be connected with other reading and writing devices for easy integration and remote control and management through the management computer.

## FeatuaTechnical Parametersres

Channel width: single pendulum ≤ 600 mm

Power supply voltage: AC220±10%V, 50Hz

Working environment humidity: -15 ° C ~ 60 ° C, indoors, outdoor use

Inspection port: one

Passing speed: 30 person/minute, gate opening/closing time: 1.2 seconds

# Elap Turnstile Series



Model: AX-PY001
Channel width: ≤600
Size: 1200 x 330 x 990 mm

Model: AX-PY002
Channel width: ≤600
Size: 1200 x 330 x 990 mm

## Features

With fault self-test and broadcast function, it is convenient to maintain and use equipment The operating status of the programmable device is via the built-in keypad on the main control board.

Mechanical structure, induction anti-pinch function, when the telescopic arm is reset, it will stop automatically, or the motor will stop working within the default time and reset again after the default delay, and the force is very small (less than 2kg)

Anti-collision function, the wing door is automatically locked when no open signal is received

After the power is cut off, the channel will automatically open and automatically close after power-on.

Remarks: Expandable functions: 1. Counting function 2. The chassis is lengthened, and the telescopic arm material can be selected.

## Technical Parameters

Size: 1200x330x990 mm

Passing speed: 35 people / minute

Input voltage: 100V ~ 220V

Ambient temperature: -25°C ~ 70°C

Open brake signal input: 12V solder joint
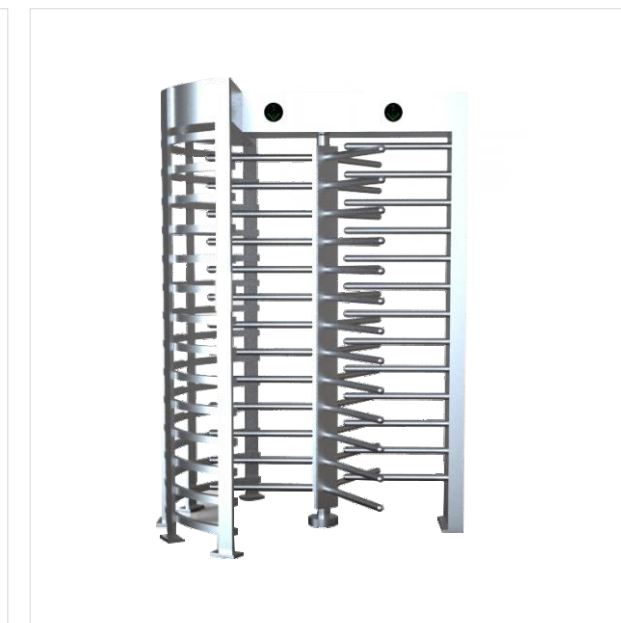
Unlocking time: 0.2 s

Channel width: ≤600 mm

Drive voltage: 24V

Power: 30W

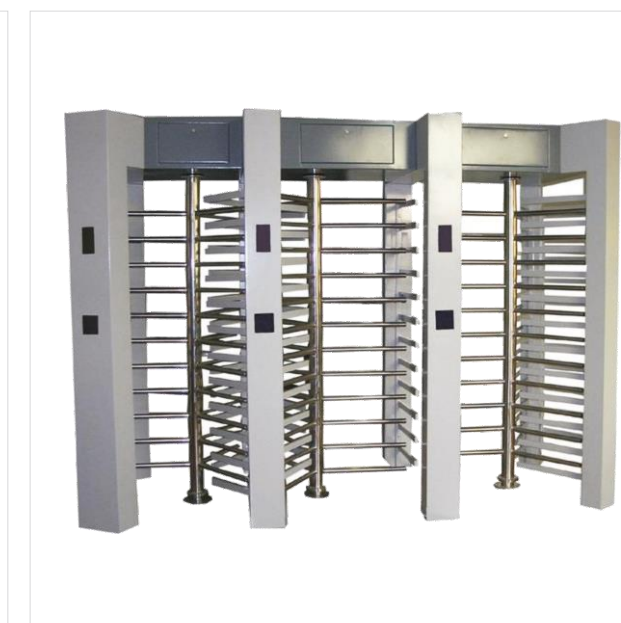# Half Height/ Full Height Turnstile



Model: AX-Z005
Channel width: ≤600
Size: 1400 x 1400 x 1200 mm

Model: AX-Z001
Channel width: ≤600
Size: 1630 x 1500 x 2300 mm

Model: AX-Z006
Channel width: ≤600
Size: 2450 x 1500 x 2300 mm

Model: AX-Z006
Channel width: ≤600
Size: 3300 x 1500 x 2300 mm

# Temperature Measuring Face Recognition



## Product Features

1. Support camera to capture face to activate device;
2. Human body temperature detection using thermal imaging; with access control attendance function;
3. Automatic alarm when human body temperature is higher than 37.3(customizable temperature value);
4. Using RGB and living body dynamic binocular camera; 5.Supports serial port, Wigan 26, 34 input and output; 6.Using video stream-based dynamic face detection,tracking recognition algorithm ；
7. Support device local storage of 10,000 face libraries; 8.When the face database is 3,000 , misrecognition rate is 3 in 10,000, 1: N recognition accuracy rate is 99.7%;
9. Fast recognition speed: (a) face tracking and detection takes about 20ms, (b) face feature extraction takes about 200ms, (c) face comparison takes about 0.2ms(1000 people database, multiple identification to get the average), 0.5ms(10,000 face database,multiple identification to get the average); 10.Binocular with infrared fill light camera;
11. Support live photo saving during face recognition or stranger detection;
12. Support HTTP Interface connection;
13. Support public network and local area network deployment;
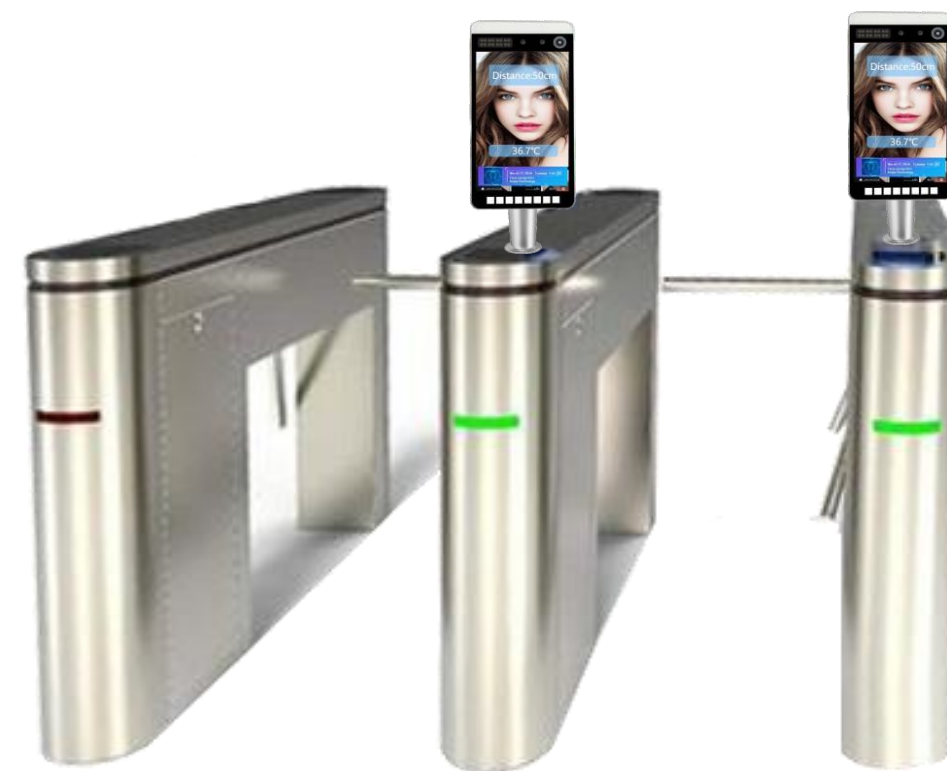


## Product Parameter

| |
|---|
| Screen size ： 8 inch |
| Device size:240*120*24mm |
| Power supply:DC12V （±10%） |
| System:Android |
| Screen resolution:800*1028 HD screen |
| Operating temperature:-10-60℃ |
| Working humidity:10%～90% |

# Temperature Measuring Gate

## Product Parameter

Temperature detection tolerance: ± 0.5℃ (at room temperature)

Voltage: AC180V ~ 250V, 50-60HZ

Power: 200W

Net weight: 50kg

Inner frame dimension: 2000mm(H)×700mm(W)×500mm (d)

Outer frame dimension: 2270mm(H)×830mm(W)×500mm (d)

Carton package: 2220mm(H)×550mm(W)×320mm (d), 66kg

Wooden package: 2420mm(H)×750mm(W)×520mm (d), 95KG

## Face Scan Body Temperature Detector

| No. | | Technical Parameters | |
|---|---|---|---|
| 1 | Camera Type/Aperture/Resolution | RGB+Infrared Sensor/4.0mm/200W | |
| 2 | Screen and Resolution | 8-inch, full-view IPS LCD screen,1280*800,brightness 400cd | |
| 3 | User Management | Add/delete people on local apps | |
| 4 | 1:N Face recognition | Support 1 in 10,000 mis-recognition rate, 99% pass rate | |
| 5 | Face Detection | Support simultaneous detection and tracking of 5 people | |
| 6 | Local (offline use) | Local 20000 face database | |
| 7 | Processor | CPU 4 core RK3299 | |
| 8 | RAM | DDR3-4GB | |
| 9 | ISP | Image Processing-Built-in dual ISP | |
| 10 | Local storage | TF card-32GB | |
| 11 | IP level | IP64,support water-proof & dust-proof & outdoor use | |
| 12 | Device Interface | Equipment management, rights management, personnel/photo management, record query, etc. | |
| 13 | Certificate | CE Approved,ISO14001 · ISO9001 · OHSAS18001 | |
| 14 | Wooden Case Size | 1900*460*440mm, 26kg/66kg | |
| 15 | 1:N Face recognition | Support 1 in 10,000 mis-recognition rate, 99% pass rate | |
| 16 | Wigan / RS232 | Wigan format 26/34, RS232 | |
| 17 | Working Environment | Temperature | -10~60℃ |
| | | Humidity | 10%~90%(RH) |
| | | Power | DC12V, 5W max |
| | | Location | Indoor |
| 18 | Warranty | 12 months | |
| 19 | Application | Train Station, School, Hospital, Office Building, etc. | |

# Temperature Measuring Control box

## Product Features

1. Non-contact, fast detection
2. Height can be adjusted
3. Plug and Play
4. Accurate and fast temperature measurement
5. Normal walking speed, easy and convenient
6. Real-time temperature display, sound & light alarm for high temp
7. reduce artificial temp, measurement to avoid cross-infection

## Product Parameter

Temperature detection tolerance: ± 0.5 ℃ (at room temperature)

Voltage: AC180V ~ 250V, 50-60HZ

Power: 200W

Net weight: 5kg

Control box dimension: 340mm (H) × 130mm (W) × 55mm (d)

Carton package: 700mm (H) × 300mm (W) × 200mm (d), 7KG

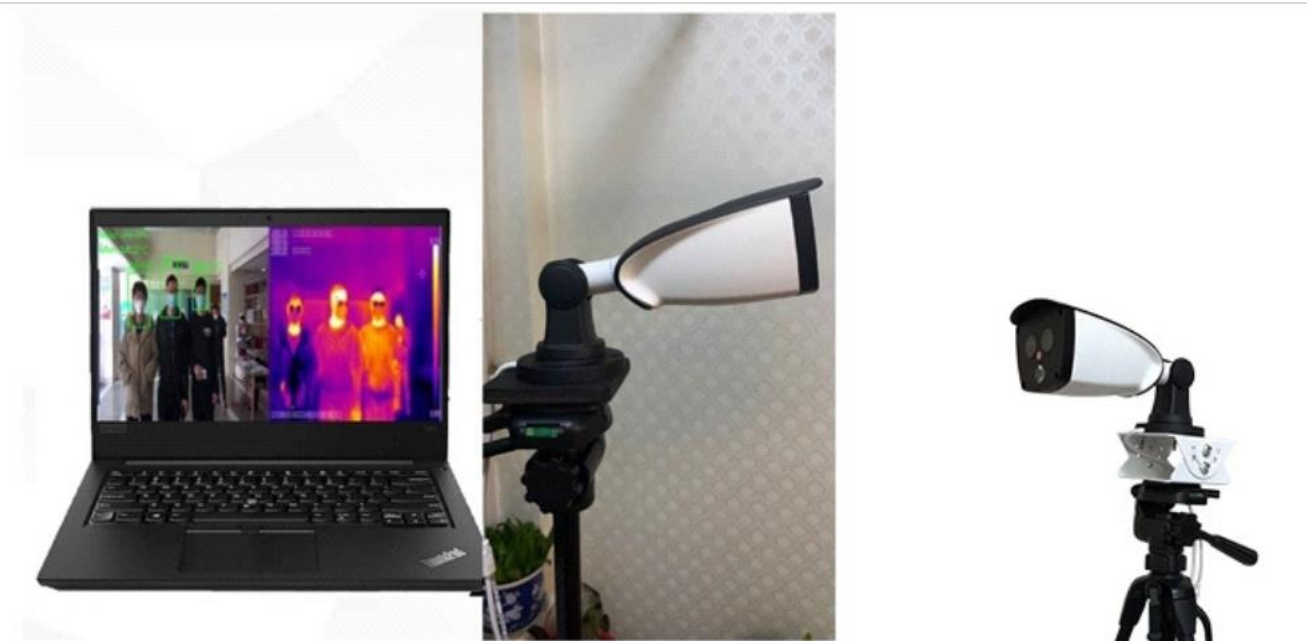# Thermal & Optical Bi-spectrum Network Bullet Camera

High sensitivity thermal module with 256 x 192 resolution NETD is less than 60 mk (@25° C, F#=1.0) Supports contrast adjustment Leading thermal image processing technology: Adaptive AGC, DDE, 3D DNR Up to 15 palettes of adjustable color Reliable temperature-anomaly alarm Temperature Range From -15°C to +150°C High quality optical module with 2 MP resolution Bi-spectrum image fusion, picturein-picture previe

## Specifications

| Thermal | |
|---|---|
| Image Sensor | VOx Uncooled Focal Plane Arrays |
| Resolution | 256×192 |
| Pixel Interval | 12μm |
| NETD | Less than 60 mK (@25 °C,F#=1.1) |
| Aperture | F1.0 |
| Field of View | 35° ×27° (H ×V) |
| **Optical** | |
| Image Sensor | 1/2.8"2.0M Pixel CMOS |
| Resolution | 1920×1080P |
| Min. Illumination | Color: 0.005Lux@ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON) |
| Field of View | 84° ×45° (H ×V) |
| Focal Length | 4mm |
| Shutter Speed | 1s to 1/100,000s |
| White Balance | Auto/Manual/ATW(Auto-tracking White Balance)/Indoor/Outdoor/DaylighLamp/Sodium Lamp |
| Day & Night | ModelR cut filterwithauto switch |
| WDR | 80dB |
| **Feature** | |
| Bi-spectrum Image Fusion | Fusion view of thermal view and overlaid details of the optical channel |
| Picture in Picture | Combines details of thermal and optical image PIP, overlay thermal image on optical image |
| **Smart Function** | |
| Face snapping | Built-in deep learning AI algorithm, Supports simultaneous detection of 20-30 faces |
| Temperature Measurement | Support global and local temperature |
| Temperature Range | From -15°C to +150°C |
| Temperature Accuracy | Target temperature 35°C ^ 38°C ±0.3 °C Target temperature 20°C ^ 33°C ±0.6 °C Target temperature 38°C ^ 50°C ±0.6 °C |
| **Network** | |
| Main Stream | Thermal: 25fps(1920×1080, 1280×720) |
| Sub Stream | Thermal: 25fps(704×576, 352 ×288) |
| Video Compression | H.264 (Baseline/Main/HighProfile) /MJPEG/H.265 |
| Audio Compression | G .711u/G.711a/G.722.1/MP2L2/G.72G/PCM |
| Protocols | TCP/IP, ONVIF, GB/T 28181,DHCP, RTP, RTSP, PPPoE, UPnP, UDP |
| API | ONVIF (Profile S, Profile G, Profile T), SDK |
| **General** | |
| Web Client Language | languages English, Chinese |
| Power | DC 12V, 0.65A |
| Work Temperature/Humidity | From -20°C to 55°C; Humidity:95% or Less |
| Protection Level | IP67 |
| Dimension | 246 mm ×101 mm ×81 mm (with bracket) |
| Weight | Approx. 1.0 kg |

## Non-Contact Intelligent Infrare Thermal Camera

- Automatically Image Acquisition
- Automatically Face Detection
- Automatically Face Mask Detection
- Automatically Face Recognition Comparison
- Automatically Body Temperature Detection
- Can be Used Outdoors
- Reach ±0.1$^{0}$C High Precision Temperature Sensing
- Detection Distance Can Reach 5 Meters
- Multiple-Target Simultaneous Detection, Pass By 5 People Simultaneously
- Detect 160-200 People Per Minute
- Installation Can Be Completed In 10 Minutes
- Automatically Snap Shot For Abnormal Body Temperature

## Applications

Airport

Government

School

Hospital

Company

Factory

Station
Station

Office Building
Office Building

## Traditional Temperature Measurement

- Human contact is too close, easy to cross infection

DISADVANTAGES

manual operation is required, which is time-consuming and inefficient
invest a lot of manpower and material resources to increase labor costs

| Mercury Thermometer | Electronic Thermometer | Infrared Ear Thermometer | Infrared Forehead Therometer |

The Infrared Thermal Camera uses the front-end visible light and infrared dual spectrum vanadium oxide focal plane high-precision temperature sensing probe, adopts the most advanced FLIR infrared chip technology from the United Stated, does not need the external black body, and is completed by the internal automatic calibration technology

The non-contact infrared thermal camera can be applied for the foll0wing places :

| Government | √ | Airport | √ | Factories | √ | Metro | √ |
|---|---|---|---|---|---|---|---|
| Hospital | √ | Train Station | √ | School | √ | Office Building | √ |
| Enterprise | √ | Bus Station | √ | Supermarket | √ | Exhibition | √ |
| Custom | √ | .....Other Places | | | | | |

## Applications

1. It is not recommended to be used outdoors. Outdoor sunshine, wind and temperature difference will affect the temperature measurement accuracy. If you need to use outdoors, you can build a wind proof and heat preservation tent.
2. The temperature measuring equipment shall be used in the room with the room temperature between 10 ℃ - 40 ℃. Do not install the temperature measuring equipment under the vent to ensure that there is no heat source within 3 meters.
3. Entering the room from the cold outdoor environment will affect the accuracy of temperature measurement, so it is necessary to conduct the forehead temperature test after the forehead is unobstructed for three minutes in the room and the temperature is stable.
4. The temperature read by the temperature measuring equipment is the temperature of the forehead temperature area. When there is water, sweat, oil or heavy makeup on the forehead or there are many wrinkles in the elderly, the temperature read will be lower than the actual temperature, so as to ensure that there is no hair or clothing in this area.