

INNOVATION FIRST  
**SUPREMA**  
INTELLIGENT SECURITY  
SYSTEMS

High End High Speed Turnstile gate

Model: SP-3500S&SS - SP-3500SD



## SP-3500S&SS(Single Motor Machine)-SP-3500SD(Double Motor Machine)

### Functions & Features

SP-3500 adopts our patented appearance case, which is easy to use and convenient for overall maintenance. The door body is adsorbed by electromagnet. When the door closing resistance is greater than the set value, the door body can open automatically. When the power is off, the door body will open automatically without battery. Intelligent gate is a kind of non-contact channel detection and control intelligent channel management equipment, which adopts the latest mechatronics control and drive technology of the company. Multiple groups of sensors can control the entrance and exit through the glass wing. Authorized legal personnel can pass through without any obstruction without single inspection, refuse unauthorized access, and provide high-quality entrance and exit control.

This type of gate is suitable for public occasions with large flow of people. Its service life and safety are the primary considerations of the product. The whole system uses stepless positioning device, the operation process is controlled by sensors, no mechanical collision, so as to achieve stable operation, low noise and less wear. According to a large number of project actual use data summary, the actual service life of the equipment is more than 5 million times. Magnet adsorption, belt drive, servo mobile positioning driver and other high price components are designed to avoid injuring pedestrians.

The design of this product is unique, with dazzling lights. Especially attract the attention of pedestrians. It is a product with excellent design.



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## Technical specifications

### Dimensions (mm)

Length: 1400mm \* Width: 120mm\* Height: 1050mm.

Channel Width: 600 mm.

### Main material

Box: SUS304 1.5mm stainless steel.

Movement: 45 x steel, color zinc plating on the surface.

Swing gate: plexiglass plate.

### Movement performance

Swing arm: plexiglass plate, etc.

Drive mode: brushless positioning driver.

Safety mode: automatic opening after power failure.

Power driven: 24v DC brushless motor or Servo motor optional.

Opening and closing speed: 0.2 ~ 0.4s (user can set)

Equipment noise: door opening and closing ≤ 30dB.

Traffic speed: 35 persons / min in normally closed mode; 60 persons / min in normally open mode.

Core life: 5 million times.(if it is servo motor,core life is 8 million times)

### Functional characteristics

- Multiple sets of electrode sensors monitor the channel status in real time, make accurate logical judgment, and have no obstacle to authorized passage
- Four fold protection for pedestrians in the passage: mechanical device, door position, current detection and passage sensor
- The operation of the whole system adopts stepless positioning device, and the operation process is controlled by sensors without mechanical collision.
- CNC processing technology, The product surface is finely treated, strong corrosion resistance
- It has the function of automatic reset. After the pedestrian reads the valid card, if he does not pass within the specified time, the system will automatically cancel the user's permission to pass this time.
- It is easy to use and convenient for carrying things, such as parcels, luggage, etc.
- Anti tailing function: prevention level 2
- Traffic mode: one way, two-way (optional), adjustable running speed; multiple working modes available
- Light prompt: direction indication
- It has the function of lightning protection and leakage protection
- Protection function: anti pinch, anti-collision, anti blocking, anti stall, anti over-voltage and over-current of electrical appliances
- Prevent illegal operation and alarm function
- Standard external electrical interface, with photoelectric safety isolation, can be connected with various control equipment for system integration
- Remote control and setting function



## Electrical and environment

- Voltage: 100V to 240V AC (large range of power input voltage)
- Frequency: single phase 50Hz to 60Hz
- Working voltage: DC24V
- Current: static 300mA; dynamic 4a (maximum working current)
- operating temperature: - 20 to 70 ° C (- 4 to 158 ° f)
- Storage temperature: - 40 to 80 ° C (- 40 to 176 ° f)
- relative humidity: 5% to 95% in non solidification state

## Communication function

Standard RS232 serial port

Digital I/O

RS485 / CAN bus interface (optional)

## Installation requirements

Single phase 3A 110V to 220V AC power supply, grounded

Connecting line to control equipment

Possible civil and fixing work

Power requirements	AC 100 ~ 120V/200 ~ 240V, 50/60Hz
Working temperature	-28°C-60°C
Working humidity	20%-95% (Non-condensing)
Working environment	Indoor
Speed of throughput	RFID Maximum 35/ minute
	Fingerprint Maximum 30/ minute
Lane width(mm)	600-800
Dimensions(mm)	L=1400, W=120, H=1050 (customizable)
Dimension with packing(mm)	L=1500, W=130, H=1100
Net weight(kg)	Single core=90 Dual core=99
Weight with packing(kg)	Single core=109 Dual core=119
Cabinet material	SUS304 Stainless Steel
Barrier material	Acrylic Glass or Tempered Glass (thickness 10mm)
Barrier movement	Swing
Emergency mode	Y
Security level	Medium
MCBF	5 million
Options/Accessories	Counter, Remote Control, Access Control
IR Sensor	6 pairs(Customizable)
Housing Thickness	5.0 mm
Rated Power	40W-250W
Input Signal	12vdc/RS485/dry contact

