

DS-K3B501SX
Swing Barrier

The DS-K3B501SX series swing barrier with 12 pairs of IR lights is designed to detect unauthorized entrance or exit. By adopting the swing barrier integratedly with the access control system, person should authenticate to pass through the lane via swiping IC or ID card, scanning QR code, etc. It is widely used in attractions, stadiums, construction sites, residences, etc.

- 12 pairs of IR light detectors: Permissions validation and anti-tailgating
- LED light indicates passing direction
- Audible and visual nipping alarm: The barrier will stop working for a period of time when detecting obstruction when open/close barrier
- Self-detection, Self-diagnostics, and automatic alarm
- Valid passing duration settings: System will cancel the passing permission if a person does not pass through the lane within the valid passing duration
- Door remaining open when fire alarm triggered: The barrier will open automatically when alarm is triggered.
- Barrier is in free status when powering down
- Barrier opens in less than 1 second, with adjustable opening speed.



▪ Specification

System	
MCBF	> 6 million times
Motor	Servo motor
Interface	
Network interface	1
RS-485	4
RS-232	4
Lock output	2
IO input	4
IO output	4
Capacity	
Card capacity	60,000
Event capacity	180,000
General	
Throughput	20 to 60 persons per minute The actual throughput is affected by the person passing rate and passing method.
Power supply method	100 to 240 VAC; 50 to 60 Hz
IR light detectors	12 pairs
Lane width	550 mm to 1100 mm (21.65" to 43.31")
Working temperature	-25 °C to 65 °C (-13 °F to 149 °F)
Barrier material	Stainless steel pipe; Acrylic glass
Working humidity	10% to 95% (No Condensing)
Pedestal material	SUS304 stainless steel
Dimensions	Without packaging: 1500 mm × 200 mm × 960 mm (59.06" × 7.87" × 37.80") With packaging: 1610 mm × 300 mm × 1100 mm (63.39" × 11.81" × 43.31")
Application environment	Indoor and outdoor
Protective level	IP54
Weight	Without packaging: 56 kg (left and right)/71 kg (middle) (123 lb/157 lb) With packaging: 86 kg (left and right)/100 kg (middle) (190 lb/221 lb)
Approval	CE/FCC/CB/RoHS/REACH/WEEE

▪ Maintenance

The main element of the turnstile is stainless steel, which is rustless (antioxidant) and corrosion resistant (The anti corrosion ability in the medium of acid, alkali, and salt). In order to keep the stainless steel from being oxidized or corroded, you should clean and care the turnstile surface periodically .

The instructions and tips for maintaining the turnstile are as follows:

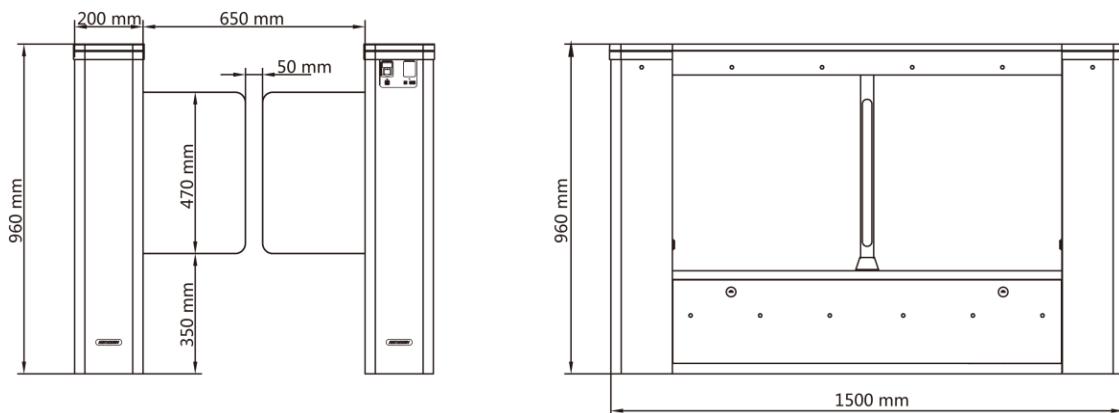
- Select different stainless steel types according to the variety of the environments. You can select 304 stainless steel for common circumstances and 316 stainless steel for the scenarios of seashores and chemical plants.
- Keep the device surface clean and dry.
- Use non-woven cloth and ethyl alcohol to clean the dirt on the device surface.
- Use sourcing pad (do not use mesh cleaning ball) to clean the rust on the device surface by following the wire drawing on

- the stainless steel. And then use non-woven cloth and stainless steel cleaner to wipe the device surface.
- Clean and maintain the device by using non-woven cloth and stainless steel cleaner periodically. It is suggest to clean the device every month in common circumstances and every week for severe environments (seaside and chemical plants for instance).

▪ Available Model

DS-K3B501SX-L, DS-K3B501SX-M, DS-K3B501SX-R

▪ Dimension



▪ Accessory

▪ Optional

DS-KAB-601COVER

Barrier's Face Recognition

Install Hole's Cover



DS-K3B601-BASE

Swing Barrier Base Module



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