



### Description

SAFETY  
LEVEL

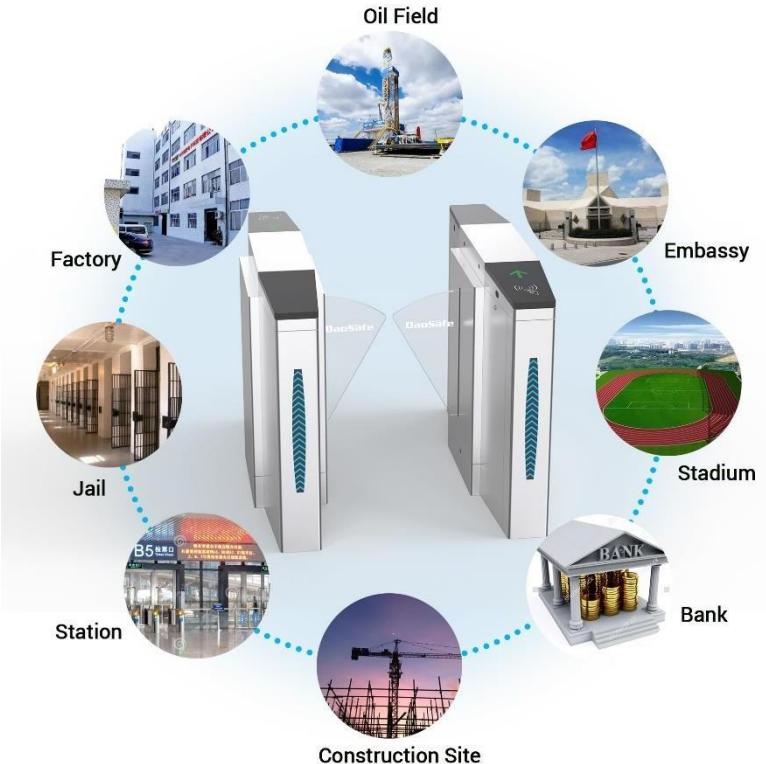
AESTHETICS

COSTING

- Optical flap turnstile is to control pedestrian entry or exit in restricted areas, usually used in high pedestrian traffic flow in both directions.
- It supports standard wing type 600mm and handicapped wing type 850mm for wide passageway, wheelchair, and pedestrian with large luggage can also pass.
- Rigid and durable frame made by 300mm to 500mm width, which support to integrated with any type of external device solutions. (e.g.: Display, Reader, Face recognition, Push button, Card collector, RFID Wristband Collector, Barcode/QR reader and so on ).
- The body is made of brushed stainless steel which is robust, anti-rust.
- It has standard relay signal, which can be integrated with any kind of third-party access control system.
- In case of emergency, the arms will open automatically to allow free passage when power off.
- It is suitable for areas with general pedestrian traffic (e.g.: Hotel, Gym, Building, Bank, shopping mall, Reception Area).

## Description

- Long-life performance, high operation dependability and fast response.
- The whole system runs smoothly, low noise, no mechanical impact.
- Single directional or Bi-directional is selectable.
- Automatic reset function: wing arms will lock automatically within 5s (can be setting) if passenger delay to entry.
- When power is off, wing arms will open automatically, which is complying with fire safety requirements.
- LED indicator (red ✗ means no entry; green → means entry).
- Infrared sensor alarm function, in case of illegal intrusion and reverse intrusion.
- Anti-intrusion function, the turnstile is locked automatically until valid opening signal input.
- Anti-reverse function, the turnstile alarms if someone wants to entry in the reverse direction.
- Anti-trailing function, the turnstile alarms if someone wants to burst in without permission.
- Anti-collision and anti-kick function, it designed with consolidated and more durable mechanism, will not break even someone collide it.
- Mechanism self-protection: the arm will reset automatically if is off position. It's movement will not be broken or damaged even after hit.
- It has the fastest open and close speed rate and can be adjusted.
- Easy to install and maintain.
- 3-year warranty support.

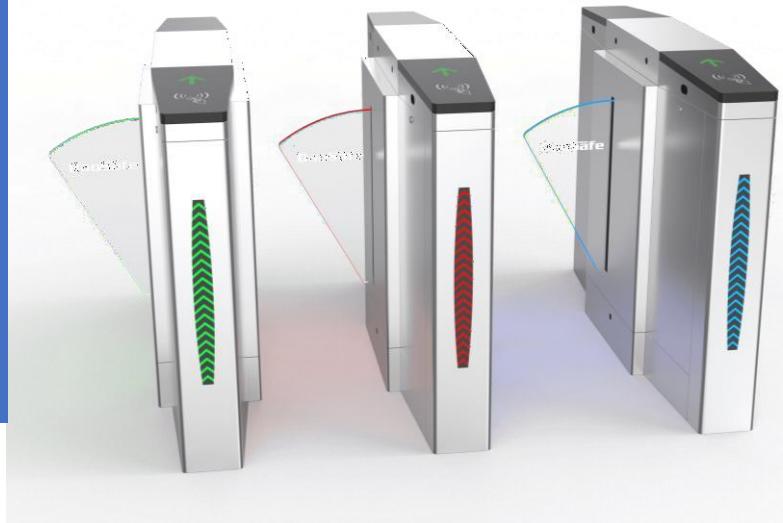


We don't only offer turnstile gates  
We offer full access control solutions

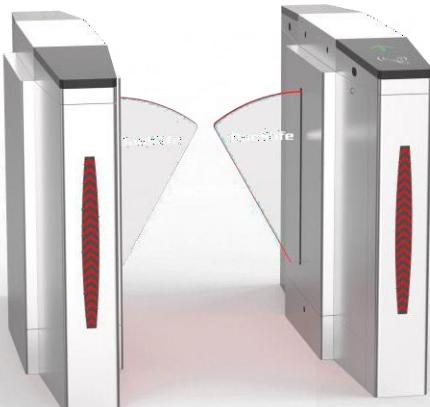


# MODEL DS311

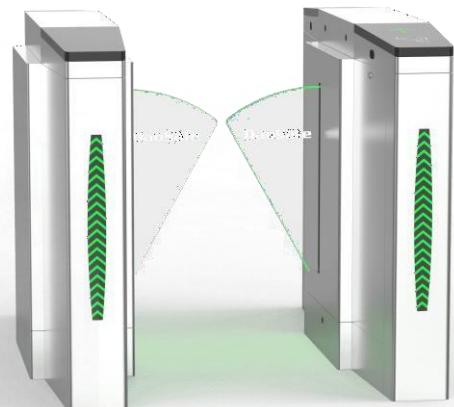
- Anti-rust, and fast speed (0.2s).
- LED light strips(blue/green/red) display on the arm glass.
- The black tempered glass on the card panel which are firm and solid, not easy to be scratched.
- Picture: high resolution and scene picture can be customized.



Colors LED Light Strips on Glass Arm



● No entry



● Entry



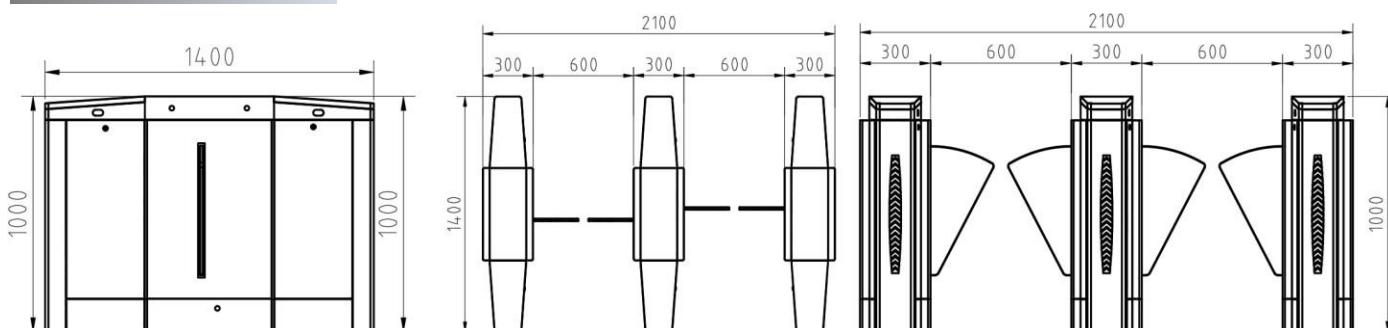
● Under power

# Specification

Model No.	DS311
Type	Optical flap turnstile
Brand	Daosafe
Framework Material	304 Stainless steel+ plexiglas arm+ black toughened glass swipe card area
Arm material	Plexiglas-transparency
Dimension	1400*300*1000mm(single) 1400*300*1000mm(double) 1400*500*1000mm(handicap)
Passage Width	600mm (standard), 850mm (handicapped)
Net Weight	80kg/pcs (single core), 90kg/pcs (double core)
Passing Direction	Single directional / Bi-directional
MCBF	10 million
Power Supply	AC220V/110V, 50/60Hz
Operation Voltage	24V DC
Power Consumption	40W
Operation Temperature	-15 °C - 60 °C
Operation Humidity	0 ~ 95% (No freeze)
Working Environment	Indoor / Outdoor (shelter)
Flow Rate	40-45 people per minute
LED Indicator	Two LED indicators on top: green → entry. red × no entry
Infrared Sensor	5 pairs (4 pairs on the top + 1 pair at the bottom)
Emergency	Automatic arm open when power off
Communication	Dry contact, Relay signal, RS485

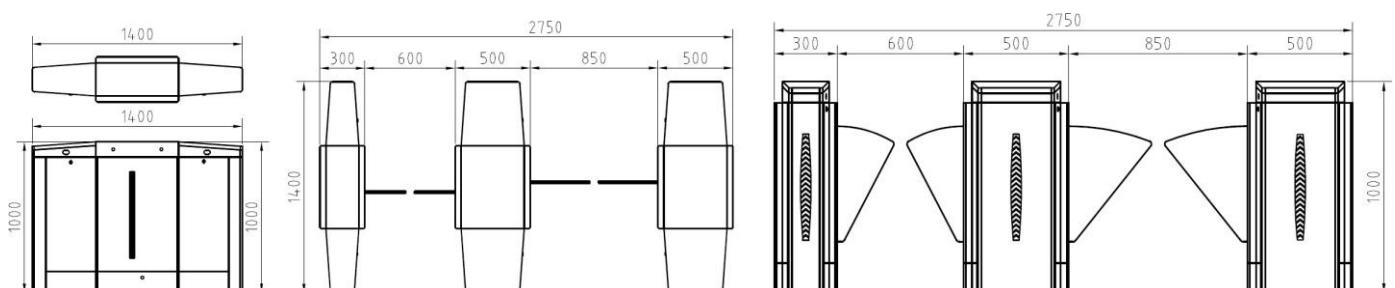
## STANDARD

Standard Passage: 600mm



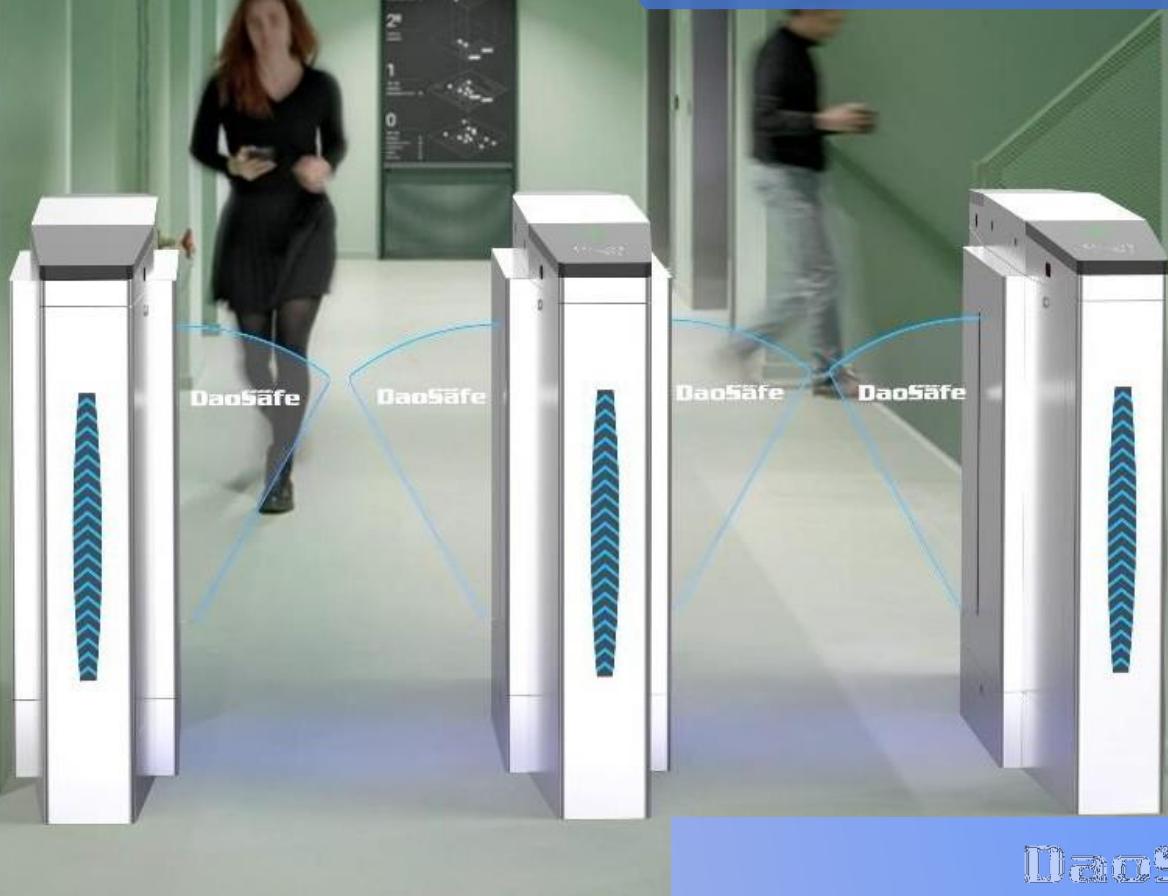
## STANDARD+HANDICAPPED

Handicapped Passage: 850mm





- **Face Recognition**  
Dynamic face recognizes, non-contact and trendy solutions
- **Barcode /QR scanner**  
Connect with mini PC or access controller to use  
Support phone or paper Barcode/QR
- **RFID Card**  
All kinds of RFID card reader, such as Mifare, EM cards, HID card, Key Fob, Wristband...
- **Biometric Device**  
Support Fingerprint, RFID card, password  
Popular and secure access control solutions
- **Key Fob**  
RFID type, mainly use in apartment
- **Card Collector Machine**  
The solution is mainly used in park, building for visitor
- **Wristband**  
RFID type, mainly used in swing pool and gym
- **Coin Insert**  
The solution is mainly for bus stations or toilet
- **Wheel**  
Integrated on turnstile for movable and portable
- **Button**  
Exit by freely passing/ push button
- **3rd Party Access Controller**  
Any 3rd party access controller can integrate with all our turnstiles



DaoSafe

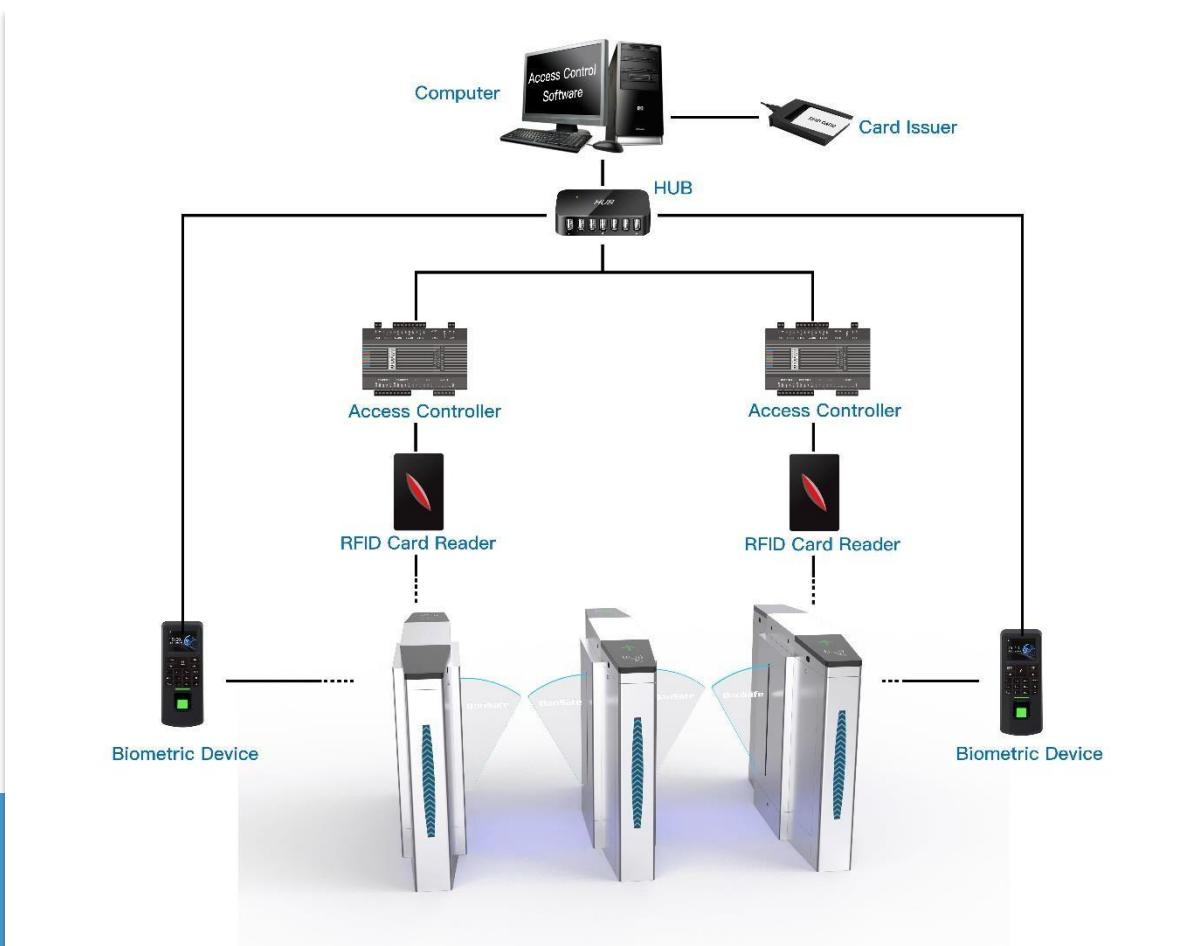
## DS311 Handicapped Passage

Optical flap gate DS311 width passage can reach to 850mm, which is suitable for handicapped persons and pedestrians with big luggage.



DaoSafe

# System Integration Figure



## REMARK:

- The turnstile circuit board support to work with any relay signal, and support to integrated with any 3rd party access control system: RFID, BIOMETRIC, QR/BARCODE and so on.
- Multiple access controller board can be connected by TCP/IP through net cable, control by central computer.
- The turnstile circuit board is also with RS232 output, it can connect with mini PC. Turnstile will open once received simple code by computer, which is suitable for the complicated like ticketing system solution.

The most special feature of DS311 flap turnstile is rigid frame support 300-500mm width, which support to reach normal passage 600mm and wheelchair passage 850mm, flexible integration of any kindly of the reader size.



One Lane

Two Lanes

Three Lanes