



## Model DS312

### Optical Flap Turnstile

Optical flap turnstile is our most classic wing gate with working mode: retractable in and out, which allows for a faster and more efficient flow of pedestrian traffic in a shorter amount of time.

The body is designed entirely of stainless steel, making the entire structure very sturdy and durable.

## Features

- Two way or one way working.
- Support integrated with any type of access control systems.
- 0.1S fast open speed, 45 person/min high throughput.
- Lower power consumption.
- Low noise, system runs smoothly.
- 3 color LED indicator. (Blue, Green, Red)
- IP65 waterproof level, indoor/outdoor use.
- Fire safety requirements, arms retract automatically.
- The card reader window is made of tempered glass, which is very durable and resistant to scratches.
- Easy to install and maintain.
- 3 years warranty support.

## Customized Service

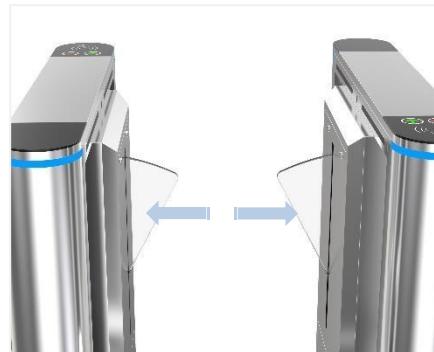
- Appearance color can be customized based on installation environment.
- Dimensions can be customized to meet your request.
- Logo can be customized.
- Infrared sensor number optional.
- Picture: high resolution and scene picture can be customized.

## Functions

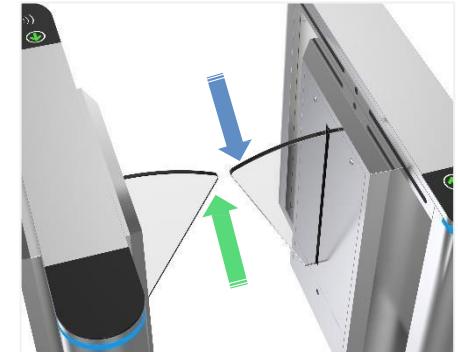
- **Infrared sensor alarm function:** in case of illegal intrusion and reverse intrusion.
- **Anti-intrusion function:** the gate is locked automatically until valid opening signal input.
- **Anti-reverse function:** the turnstile alarms if someone wants to entry in the reverse direction.
- **Anti-trailing function:** the speed gate 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 off position. The movement will not be broken or damaged even hit.



Logo Custom



Fire Safety Requirements,  
Arms Retract Automatically



Bi-directional Passage



Sensor Alarm Function



Big Flow Rate: 45 persons per minute

## Access Control System

Daosafe turnstile gates can be well integrated with any 3<sup>rd</sup> party access control systems



Card Solution



QR/Bar Code Solution



Biometric Solution



Remote Control



Touchless Button



Card



QR Code



Fingerprint



Face



Palm Vein

Three lanes for card solution installed at school

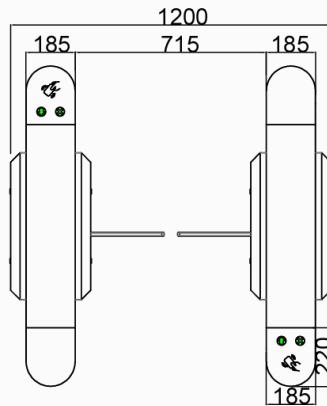


## Specifications

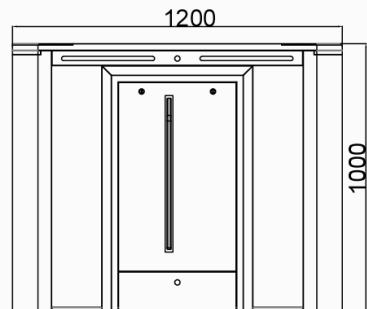
Model No.	DS312
Type	Optical Flap Turnstile
Brand	Daosafe
Framework Material	304 Stainless steel + plexiglas arm
Arm material	Plexiglas-transparency Blue(optional)
Dimension	1200 * 185 * 1000mm(standard)
Net Weight	60kg/pcs (single core), 80kg/pcs (double core)
Passage Width	600mm
Passing Direction	Single 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	45 people per minute
LED Indicator	Two LED indicators on top: green → entry, red × no entry
Infrared Sensor	5 pairs (4 pairs up, 1 pair down)
Emergency	Automatic arm open when power off
Communication	Dry contact, Relay signal, RS485
Flexibility	Integrate with any access control



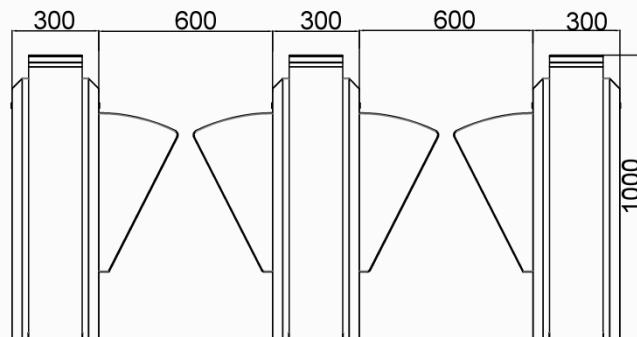
## Dimensions



Top View



Side View



Front View