



## Model DS-Q90

### Speed Gate

DS-Q90 is an innovative autonomous passenger solution designed for high traffic environments. It provides convenient self-processing security checks using facial recognition, ID card smart card readers, ePassport readers and fingerprint scanners.

## Features

- Fast and smooth automated entry control
- Support integrated with any type of access control systems.
- 0.3S fast open speed, 50 person/min high throughput.
- Passage width can be extended to 1100mm.
- Lower power consumption.
- Low noise, system runs smoothly.
- Blue and red LED indicator display passing status.
- Indoor use.
- Fire safety requirements, arms open automatically.
- 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.
- Arm glass width is optional.
- Infrared sensor number optional.
- Waterproof optional.
- Picture: high resolution and scene picture can be customized.

## Functions

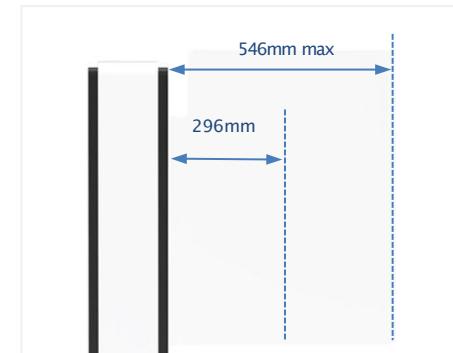
- **Infrared sensor alarm function:** in case of illegal intrusion and reverse intrusion.
- **Anti-intrusion function:** the gate is locked automatically until valid opening signal input.
- **Anti-reverse function:** the turnstile alarms if someone wants to entry in the reverse direction.
- **Anti-trailing 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



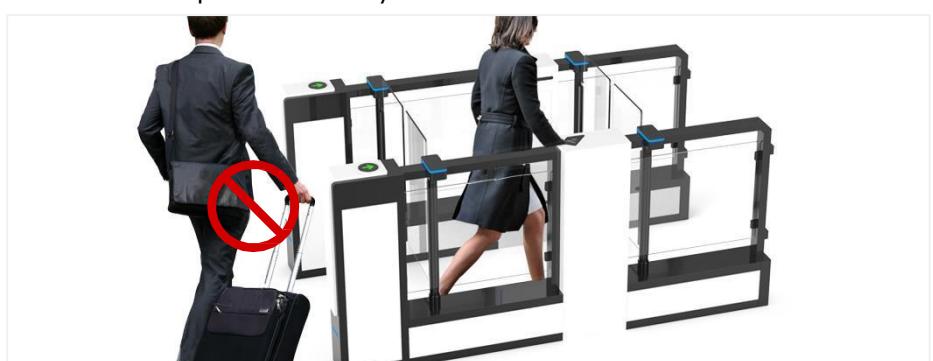
Fire Safety Requirements,  
Arms Open Automatically



Wide Lane Optional



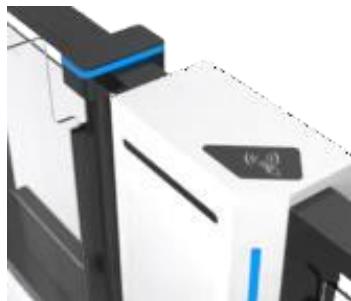
Automated Passenger Solution



Anti-trailing Function: one person can pass at one time

## 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

Single lane for card solution installed at reception



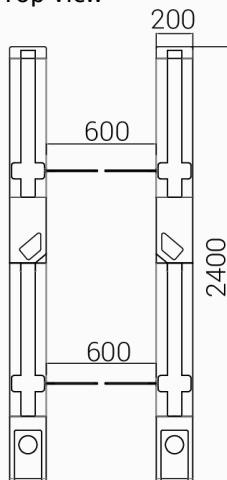
## Specifications

Model No.	DS-Q90
Type	Quantum Speed Gate
Brand	Daosafe
Framework Material	Steel White and black stoving varnish Tempered glass
Arm material	Plexiglas-transparency
Dimension	2400*200*1100mm
Net Weight	120kg/pcs (single core), 150kg/pcs (double core)
Passage Width	600mm (standard), 1100mm (handicap)
Passing Direction	Single directional/Bi directional
MCBF	20 million
Power Supply	AC220V/110V, 50/60Hz
Operation Voltage	24V DC
Power Consumption	50W
Operation Temperature	-20 °C – 75 °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	24+24=48 pairs
Emergency	Automatic arm open when power off
Communication	Dry contact, Relay signal, RS485
Flexibility	Integrate with any access control

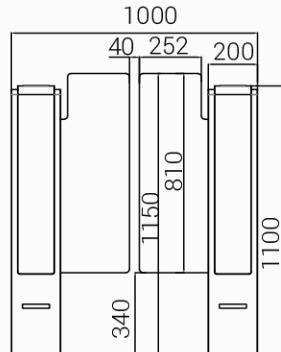


## Dimensions

Top View



Front View



Side View

