



Model DS-Q20

Quantum Optical Swing Turnstile

DS-Q20 is an optical swing turnstile product in the Daosafe Quantum series, with the following advantages:

- Passage width can reach to 600mm-1200mm, which is suitable for disabled person with wheelchair or pedestrians with luggage.
- Featuring a unique classic design, swing arm added dazzling LED strips, LED strips are seamlessly embedded in various parts of the case, making it modern and stylish.
- Constructed with a solid-body structure, the crate combines galvanized steel, high-end black powder coating, and side-mounted tempered glass, ensuring exceptional sturdiness.
- Design with classic black, white color appearance, elegant and timeless pairing, perfect for using at high end applications.

Features

- Two way or one way working.
- Support integrated with any type of access control systems.
- 0.2s fast open speed, 40 person/min high throughput.
- Lower power consumption.
- Low noise, system runs smoothly.
- Blue, green and red LED indicator display passing status.
- 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.
- Reader mount space can be customized.
- Waterproof outdoor can be customized.
- Arm glass width is optional.
- Infrared sensor number optional.
- Picture: high resolution and 3D renderings pictures can be customized.
- Base optional: can add DSSP6005 base.
- The wireless remote control is available as a customized option, allowing front-desk staff to control the gate directly.

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



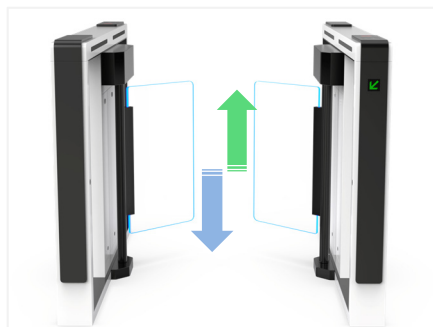
LED Indicator



Bi-directional Passage



Anti-reverse Function



Fire Safety Requirements,
Arms Open Automatically



Anti-trailing Function

Access Control System

Daosafe turnstile gates can be well integrated with any 3rd party access control systems



Card Solution



QR/Bar Code Solution



Biometric Solution



Remote Control



Touchless Button



Card



QR Code



Fingerprint



Face







Palm Vein

The hotel has installed a four-channel DS-Q20 card access system.

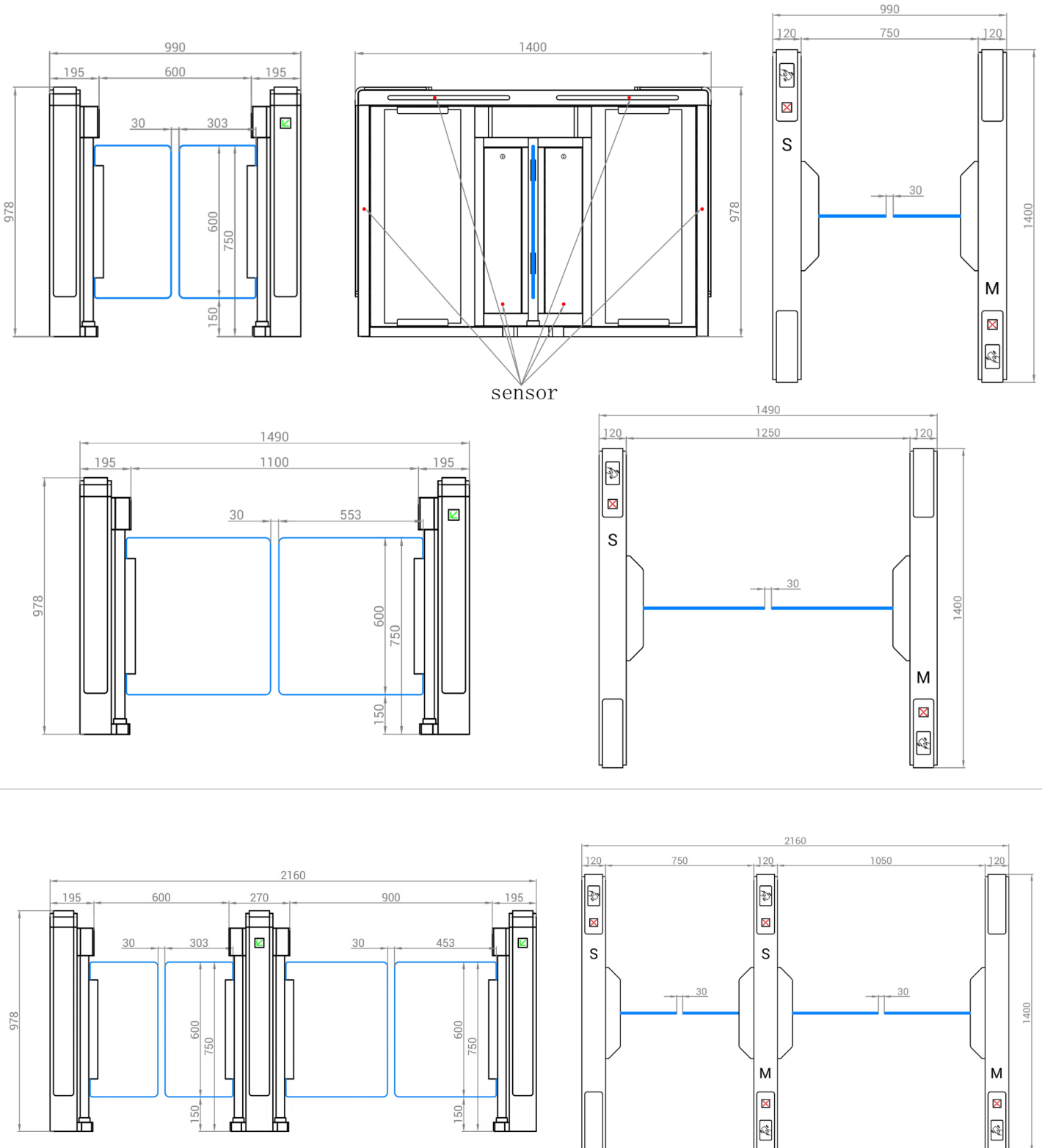


Specifications

Model No.	DS-Q20
Type	Quantum Optical Swing Turnstile
Brand	Daosafe
Certifications	Compliance CE, ROHS, FCC
Framework Material	Galvanized steel White and black stoving varnish Tempered glass
Arm Material	Plexiglass 10mm (standard) Tempered glass 8mm/10mm (optional)
Dimension	1400(L)*280(W)*978(H)mm
Net Weight	65kg/pcs (single core), 85kg/pcs (double core)
Passage Width	600mm (standard)~1200mm (Maximum) 900mm (recommended disabled lane) Wider width increases arm size and motor load.
Passing Direction	Single directional/Bi-directional
MCBF	10 million
Power Supply	AC220V/110V, 50/60Hz
Operation Voltage	24V DC
Power Consumption	40W
Operation Temperature	-20 ~ 75°C (can be customized)
Operation Humidity	0 ~ 95% (No freeze)
IP Level	IP54 (standard)/IP65 (can be customized)
Working Environment	Indoor/Outdoor (can be customized)
Flow Rate	40 people per minute
LED Indicators (Front)	Constant Indicator Light:  (open lane) /  (closed lane)
LED Indicator (Top)	Authentication Status Light:  turns  (on valid scan)
Infrared Sensor	6 pairs(standard)
Card Reader Mount	Under the top of the cabinet Max. dimensions: 140(L)*60(W)*25(T)mm (can be customized)
Communication	Dry contact, Relay signal, RS485
Emergency	Automatic arm open when power off
Flexibility	Integrate with any access control

Dimensions

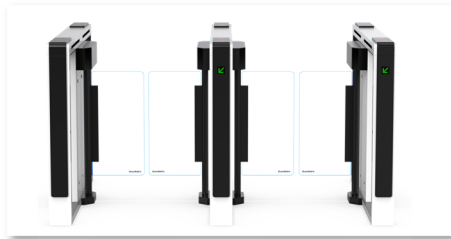
Parameter	Standard	Recommended (disabled)	Maximum	Note
Passage Width	600mm	900mm	1200mm	Wider width increases arm size and motor load
Arm Width	570mm	/	/	If need high arm, Quantum series DS-Q70 speed gate is optional.



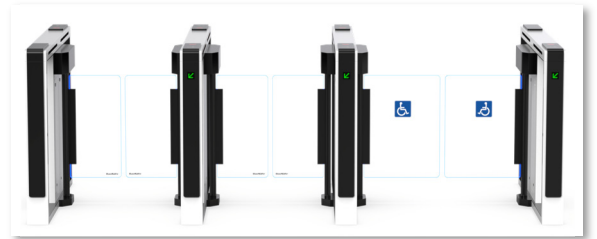
Lanes Solutions



One Lane



Two Lanes



Two Lanes with Disabled Access

Color Customization



Black Powder Coated



White Powder Coated



White + Black Powder Coated

Three-channel card swiping solution + disabled access plan.



Facial Recognition + Accessibility Solutions for People with disabled.

