Optical turnstile flap barrier gate

BLS-F319

Features

1.Ultra heavy-duty high-speed brushless motor, ensuring stable & low-noise operation

2.Built-in intelligent PLC controller, enabling linkage with external access control & custom access logic

3.Anti-tailgating & anti-reverse designs, blocking unauthorized illegal passage

4.Auto-lock mechanism, activates after 30s idle opening (timing parameters adjustable)

5.Power-off anti-pinch protection, preventing jamming/entrapment in emergencies

6.Integrated detectors + anti-collision buffers, stop door closing when obstacles detected

7.Automatic self-diagnosed, the flap barrier turnstile will self operation one cycle when power on to self-inspection

Solutions:

• Access control and time attendance system: RFID card/wristband, biometric/face recognition, computer with management software can also control directly

• Ticket system: QR code wristband/ticket, E-QR code

• coin/token collector or RFID card insert, wristband collector

• ESD tester + RFID card/face recognition(optional)

• Exit button(optional)

• Wireless remote control(optional)

• Manual keys(optional)

• Optical sensors

Technical Specifications

Parameters	Specification
Overall Dimensions	1400(L) × 180mm (W) × 980(H) (standard), some special models have different dimensions, also can be customized
Passage Width	600-900mm (adjustable), 900mm with retractable arms for wheelchairs channels or luggage
Material	Cabinet: 304/316 stainless steel, carbon steel powdered coating colors
	Flap barrier: Tempered glass/ Acrylic/PC/ABS ,standard 250mm+250mm width, wider for 450mm+450mm
Drive	DC brushless motor + transmission gearbox
Passage Speed	0.5-0.8 seconds per person, generally 30-40persons/ min
Working Voltage	AC 110V/ 220V ±10%, 50Hz/60Hz
Power Consumption	Standby: ≤15W; Operating: ≤60W
Interface	Input: Relay signal Output: Dry contact RS232,RS485
Operating Temperature	-20℃ to 60℃
Movement Performance	≥5 million cycles; High-end models: ≥7~8 million cycles
Maximum Bearable Current	10A

Customization options:

Dimension & Layout Tailoring: Full-scale customization is available to perfectly match the on-site spatial layout and meet the unique technical requirements of different projects.

Material & Surface Finish Options: Core materials include 304/316 stainless steel (for superior corrosion resistance) and powder-coated carbon steel (with customized colors). Multiple surface

textures are supported: brushed, snowflake, mirror-polished, and matte.

Branding Integration: Logo can be applied to the cabinet or flap panel via engraving or silk-screen printing. In addition, full customization is offered for reader window size, shape, as well as brand slogans to align with corporate identity.

Visual & Functional Accessory Configuration

· LED status indicators: dual-mode design (fixed red cross/green arrow or dynamic flowing light effect)

· Flap panel options: ABS, tempered glass, or acrylic materials; width adjustable within 250–450mm, with optional logo engraving

· Optional adding: audio alarm system and ambient LED lighting (with customized color)

Portable Version Alternative: An optional model equipped with a powder-coated carbon steel base is provided for convenient relocation between different sites.

Custom Service Consultation: For detailed parameters of customization services, please contact us directly

Applications:

• Suited for applications requiring ultra high speed access and medium levels of security

• Used extensively in applications such as office receptions, airports, universities, health clubs and railways

Dimensions: