

## Optical turnstile flap barrier gate

**BLS-F205**



## 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)

## Technical Specifications

| Parameters               | Specification   |
|--------------------------|---|
| Overall Dimensions       | 1200(L) × 280mm (W) × 980mm (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<br>Output: Dry contact<br>RS232,RS485   |
| Operating Temperature    | -20°C to 60°C   |
| 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:

