



# Swing Gates

## ES3200

### Intelligent Swing Gates

Swing Gates is an intelligent entrance control equipment with contactless entrance inspection and control. The latest mechatronics control and drive technology is used in this equipment. The entrance is controlled by multigroup sensors granting access through transparent gateway. The authorised passage will be allowed, while the unauthorised passage will be straightly prohibited



railway/railway bus stations



parks , scenic spots



office buildings and industrial plants



shops, movie theatres ,exhibition centers

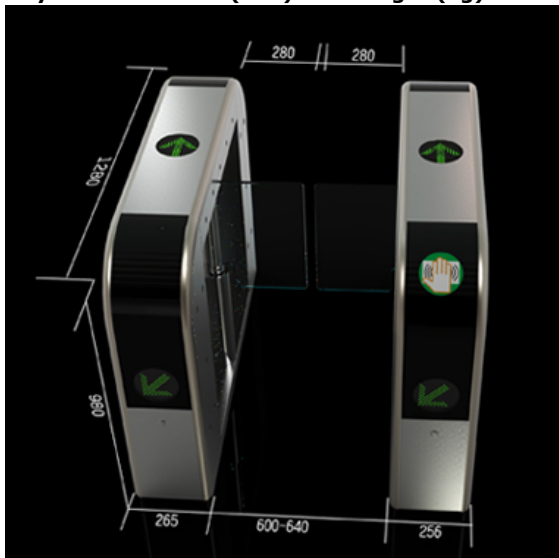


airport and export ports, quays

# ES3200 Intelligent Swing Gates

## Technical Specifications

### Physical dimension (mm) and Weight (kg)



Length: 1280mm(50.394 inches)  
Width: 265mm(10.433 inches)  
Height: 980mm(38.583 inches)  
Weight: 100kg(220.462 pounds)  
Packaging: length(1400mm),width(400mm),height(1200mm)

### Main materials

Housing: 1.5mm thick SUS304 Grade Brush stainless steel  
Framework: 2.0mm SUS304 stainless steel  
Electromechanical unit: 45# steel with Zinc plated  
Gates: PMMA

### Electromechanical unit performance

Transmission mode: servo-position drive  
Safe mode: free passage in case of power failure  
Power-assist drive: DC brushless motor  
Gate opening mode: side by side swing for 90°  
Opening/closing time: 0.4~0.8s(adjustable)  
Passage width: 600~980mm(900mm above for special needs)  
Gate travel angle: 90°or 180°;  
Gate dimension: 278~480mm (customizable); Standard: 278mm  
Noise: ≤52db; gate opening and closing: ≤55db  
Passthrough rate: 40 passages /minute in normally closed mode; 60 passages/minute in normally open mode  
Driver life: 5 million times

### Features

- Multigroup photoelectric sensors in real-time monitoring the entrance status; precise logical identification; accessible authorized passage
- Mechanical device, rational gates position, current detection and entrance sensor regulate and protect user from being trapped

- The system is equipped with stepless position device and the operation process is controlled by sensors without mechanical impact.
- Digital-controlled (CNC) processing technology, fine surface treatment and corrosion resistance.
- Easy passage, even with bags or luggage
- Anti-trailing: security level 2 (See Remarks)
- Passthrough modes: one or both directions(optional); adjustable passthrough rate; optional operation modes.
- Orientation pictogram: passage direction indicator
- Lighting protection and leakage protection
- Protection functions: anti-pinch, anticollision, antistall, over voltage and over current and powersurge
- Preventing and warning the illegal operations
- Standard external electric interface with photoelectric isolation enhance incorporate all kinds of control equipments thus extremely convenient for system integration
- Remote control and setup

### Electrical and operating requirements

- Power supply: 100V to 240V AC
- Frequency range: single-phase 50Hz to 60Hz
- Operating voltage: DC 24V
- Current: 300mA in standby condition; 4A(maximum operating current)in working condition
- Operating temperature: -20 to 70°C(-4 to 158°F)
- Storage temperature: -40 to 80°C(-40 to 176°F)
- Relative humidity: 5% to 95%RH

### Communication

Standard RS232 port  
Digital I/O  
Industrial RS485/CAN BUS (optional)

### Operation instructions(user's choice)

Orientation pictogram



Status LED

Indicator LED

### Operation interface (user's choice for expansion)

Available in the installation environment for card reader  
Available in the installation environment for LED or LCD monitor  
Available in the installation environment for other user control equipments

### Installation

Single-phase power supply 3A 110 to 220V AC+ground (earth)  
Connecting electrical wiring to the control equipments  
Slab to be drilled on Structural Slab Level and dowelled on Finished Floor Level to secure in position  
Please refer to ES3200 Installation Drawing

### Remarks:

Security level 1: Provide basic anti-trailing system; relatively short equipment; basic level of single passage regulation in both directions;  
Security level 2: Provide the best length and structure for anti-trailing identification system; basic level of single passage regulation in both directions and identification to child and trolley;  
Security level 3: This equipment is equipped with mechanical device and sensors to identify bi-direction passage and prevent trailing.