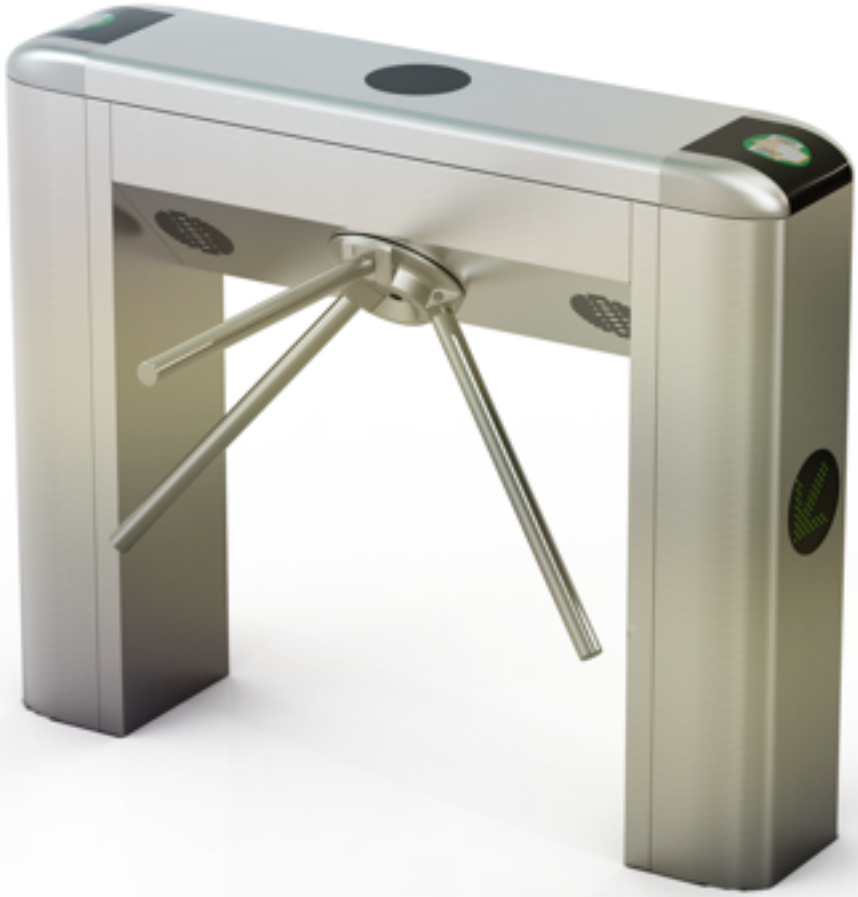
Tripod Turnstile



ES2000

Universal Bridge Electric Tripod Turnstiles

Tripod Turnstile is an intelligent entrance control equipment. Essence's ES2000 is equipped with an extremely robust mechatronics bridge tripod mechanism with outstanding performance. The whole design is rational and functional with anti-trailing properties. Easy and quick installation means it is a very cost effective device on performing security entrance control plus detering ruffian on less than ideal situation.


railway/subway/ bus stations


parks , scenic spots

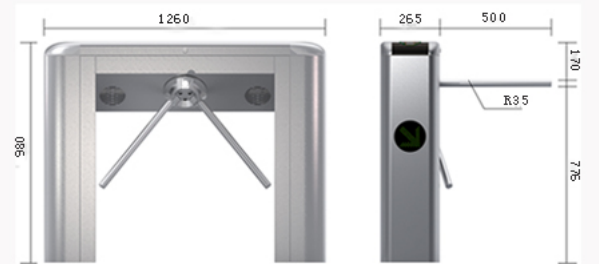

office buildings and industrial plants


s, movie theatres ,exhibition centers

ES2000 Universal Bridge Electric Tripod Turnstiles

Technical Specifications

Physical dimension (mm) and Weight (kg)



Length: 1260mm (49.606 inches)
Width: 265mm (10.433 inches)
Height: 980mm (38.583 inches)
Weight: 80kgs (176.37 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
Flange: Cast aluminum with Sand Blasted finishing
Arm: 1.5mm thick SUS304 Grade Brush stainless steel

Electromechanical unit performance

Transmission mode: servo-position drive
Safe mode: the arm dropping function provides free and unobstructed safe passage for users in case of power failure
Power-assist drive:DC brushless motor
Crossbar control: clutch device with strength over 80kg
Noise: ≦52db; gate opening and closing:≦55db
Passage width: 520--560mm
Passthrough rate: >30 passages/minute
Driver life: 5 million times

Features

- Unique DC 24V mechanical bearing locking and multilevel sensor positioning structure provide high security and silent smooth operation.
- The system is equipped with stepless positioning apparatus and the operation is controlled by sensors without mechanical impact.
- Digital-controlled (CNC) processing technology, fine surface treatment and corrosion resistance.
- Anti-trailing: security level 3 (See Remarks).
- Lightning protection and leakage protection.
- Crossbar orientation: one or both directions(optional); adjustable passthrough rate; optional operation modes.
- Protection functions: anticollision, antistall, over voltage, 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; 3A(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 ES2000 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.