Intelligent Sliding Gate Turnstile

CPW-331EGS

Product Manual V3.2

CMOLO INTERNATIONAL CO., LTD.

Contents

Product Description

Intelligent full height sliding gate turnstile CPW-331EGS is with circular arc structure, which is in beautifully shaped; pursuit the perfect unity of art, fashion and security; the housing made of stainless steel is durable; the mechanism modules are imported from international top brands' DC brushless motors and precise positioning encoder, so as to ensure wing gates can move quickly and accurately, stably and quietly, with low-power consumption, energy conservation and environment protection.

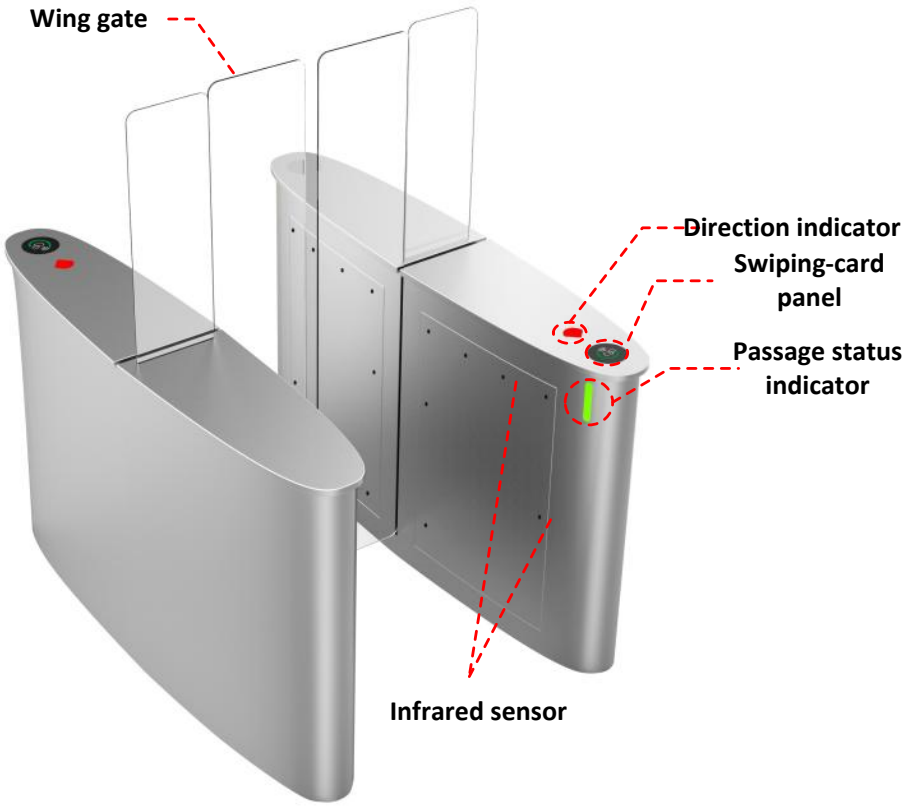
Feature

- ✧ Use DC brushless motor and encoder instead of servo motor to achieve driving and precise positioning function, to ensure that gate can move quickly & accurately and reduce mechanical fatigue of mechanism effectively.
- ✧ The blocking area of wing gate is large, so as to prevent people climbing the turnstile effectively. It is very suitable for various high-security applications.
- ✧ By using 14 pairs of military level high-performance infrared sensors and exact algorithms, it can accurately detect the pedestrian's passing position to achieve the purposes such as anti-tailgating, anti-reverse passing, anti-clamping and so on.
- ✧ Adopt multiple anti-clamping designs, such as infrared anti-clamping, machinery anti-clamping and advanced electric current detection anti-collision in turnstile industry, to maximally protect the personal safety of pedestrians.
- ✧ Equipped with the dry contact signal input interface, RS485/RS232 interface, TCP/IP interface (optional), compatible with all kinds of access controllers.

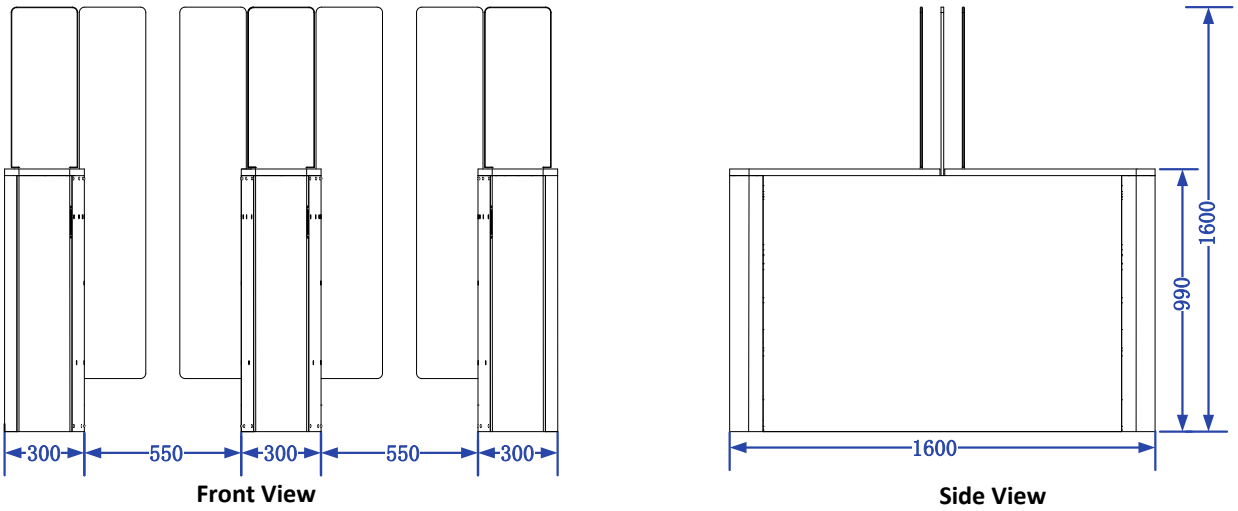
Occasion Applications

Suitable for commercial buildings, government buildings, financial institutions, clubs and other high-end indoor applications.

Structure Chart



Dimension Figure（Unit：mm）



Product Parameters

Structure Parameters	
Housing material	304 grade stainless steel
Surface treatment	Brushed finish
Wing gate material	Tempered glass
Technical Parameters	
Normal throughput capacity	30 ~ 45 people / min（according to the condition of pedestrians）
Evacuation throughput capacity	60 people/min（according to the condition of pedestrians）
Opening speed of wing gate	0.3-0.6s
Operation temperature	－20℃~60℃
Electric Parameters	
Power supply	100-240VAC，50/60Hz
Rated power	160W
Input/output signal	12-channel relay signal output / 8-channel dry contact signal input
Communication interface	RS485 / RS232；TCP/IP interface（customizable）
Driving motor	DC brushless motor
Positioning method	Use the encoder to position the gate accurately
Method of motor control	Use high-performance DSP chip

Product Function

● Basic Function

➢ Passing mode switching function：The entry and exit can be set independently【controlled mode】 /【 free mode 】/【 forbidden mode】

➢ Automatic reset function: The turnstile will open the gate after receiving valid opening signal when standby. The wing gate will return to the hindered zero position automatically under the following situation:

（1）Within the allowed time, pedestrians have been detected to pass through the passageway in specified direction;

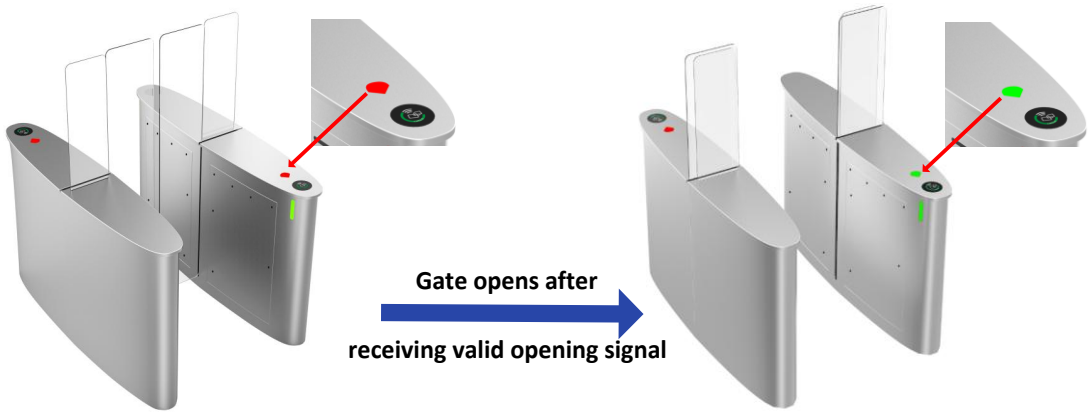
（2）Over the allowed time, there is no people has been detected to pass through the passageway.

➢ Self-recovery function: The wing gates do not return to the hindered zero position because of human intervention. After revoking human intervention, the wing gates automatically return to the hindered

zero position.

- Automatic adjustment function: When the turnstiles need to re-adjust because of mechanical wear, the main control board can adjust automatically, accurately and conveniently.
- Memory function of passing requests: When more than two valid passing signals are given at the same time (including the same direction and opposite direction), the system will remember all the passing requests and finish them one by one. The number can be up to 255.
- Passing indication function:

（1）Direction indicator: The direction indicator is installed on the top of the housing cabinet to indicate the valid passing direction.



（2）Passage status indicator: It is installed inside the housing cabinet, indicating whether the wing gates can open to let user pass though after receiving the valid open signal.

Turnstile standby;
This direction is in the passing status

Prohibited passing;
The opposite direction passing is not over yet

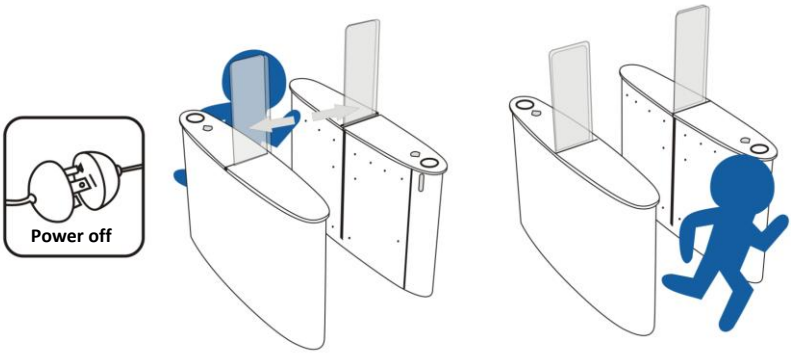
- Compatibility: Equipped with the dry contact signal input interface, RS485/RS232 interface, TCP/IP interface (optional), compatible with all kinds of access controllers.

Security Design

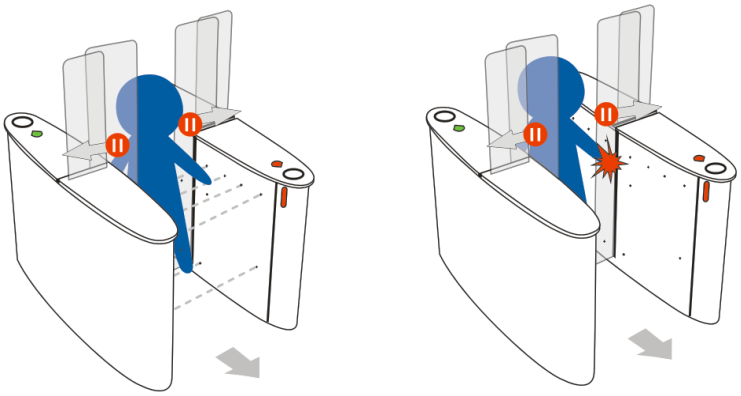
- Self-check function when power on: The system will self-check routinely and alarm when the power is on, and intelligently detect the key hardware and function. Find the hidden danger within the shortest

time!

- Open gate when power off : The system will open the gates automatically when power off so asto evacuate people, which meets the firefighting requirement.



- Anti-clamping function:



Infrared anti-clamping **Machinery anti-clamping**

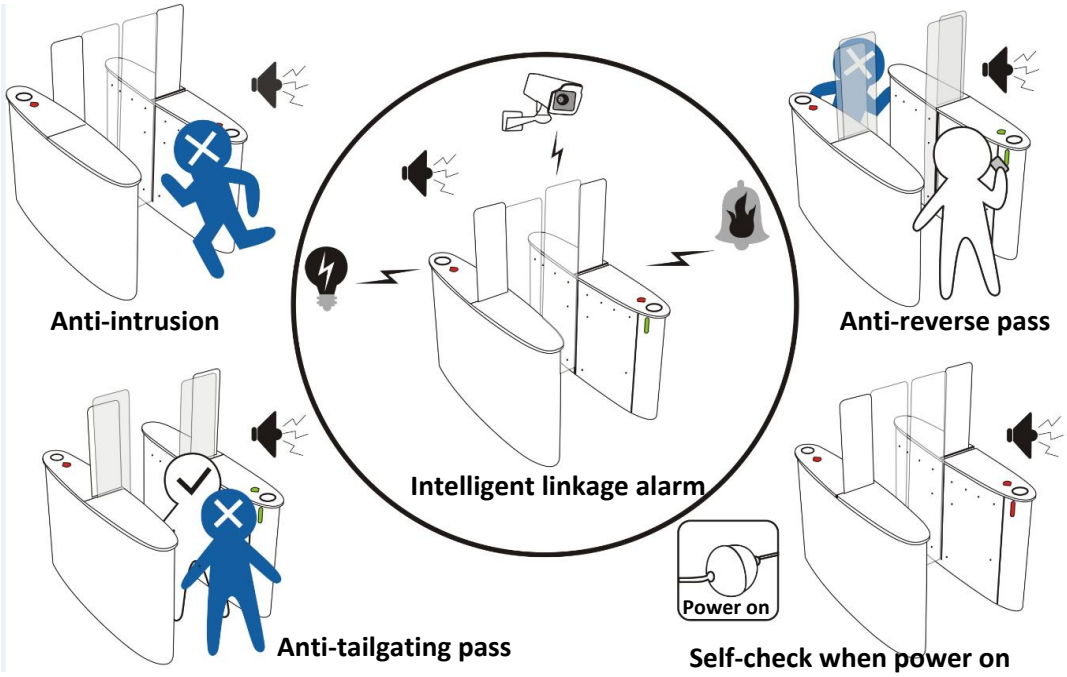
(1) Infrared anti-clamping: Install multiple pairs of infrared detectors near the wing gates' moving area(anti-clamping area).During the closing process, once people or thing is detected in the anti-clamping area, the wing gates will open automatically to prevent clamping pedestrians.

(2) Machinery anti-clamping: When encountering obstacles, wing gate will open automatically to prevent clamping pedestrians; the impulse force is within the safety range when the wing gate is closing.

(3) Electric current detection anti-clamping: if the gate encounters obstacles during its moving, and the system detects the abnormal current, the motor will stop or reversely move to prevent clamping pedestrian.

- Emergency escape function: Equipped with emergency escape control device, the system can automatically open the wing gate to evacuate pedestrians conveniently.
- Intelligent linkage alarm: Illegal traffic events can be linked with other alarm monitoring equipment:

such as access control systems, video management systems.



Product Customization

- **Customized Functions**
  - Built-in or external counter
  - TCP / IP communication function
- **Gate opening button**
  - External gate opening button.
  - Install the gate opening button with wireless remote control.
- **Materials**
  - The material of housing can be 316 grade stainless steel, and the thickness of stainless steel can be customized.
  - The material of wing gates can be organic glass.
- **System Integration**
  - Integrate with access control system and built-in reader appointed by customers.
  - Integrate with visitor access control system.
  - Integrate with ticketing system.

★ Notes:

（1）The product design and specifications are subject to change without prior notice.

（2）Please contact us directly for special and customized features.

Contact Us

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