

Smart AI Anti-Return Gate

SZLG-ARG Series

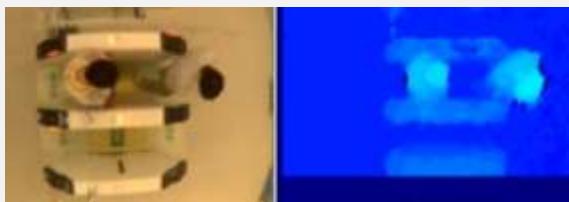


AI-Enabled Access Control System

The SZLG-ARG series anti-return gates are equipped with a newly self-developed AI stereo vision technology, which can real-time identify and locate the movement of passengers. In the access control system, this not only greatly enhances security but also provides more humanized control capabilities, giving the product more "warmth".

The SZLG-ARG series anti-return gates adopt multi-modal detection fusion technology to fully track the passage trajectory of each passenger from the moment they enter the channel until they leave. Once any abnormality in the channel is detected and identified, the system will automatically close and lock the door, and trigger local and remote alarms.

The anti-return gates adopt a modular design, allowing the passage to be extended or widened according to scenario requirements. The longer the passage, the higher the safety level.



Customized development can also be carried out as per customer requirements.

The form and function of anti-reverse doors also vary according to different safety levels.

Product Features

- The net width of the passage can be up to 900/1200/1400/1600mm, adapting to various scenarios ;
- Integrates multiple sensors to real-time monitor the passage, supporting anti-reverse detection both inside and outside the passage;
- Indicators and sound prompts enable passengers to pass through quickly by following the instructions ;
- The transparent structure enables airport staff to visually inspect passage interior at a glance ;
- Passengers can move unidirectionally without presenting any documents, ensuring smooth flow. ;
- The top of the passage reserves space for installing smoke alarms and sprinkler systems.
- Advanced algorithms detect thrown objects or unattended items, triggering timely alerts.

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Product Details

Movement Detection: Using multiple types of sensors to analyze passengers' movement status, detect their traveling direction and real-time location, and activate anti-reverse gates and alarms accordingly. If a passenger walking in the reverse direction is detected, the anti-reverse gate will be closed and local/remote alarms will be generated.

Debugging and Maintenance: The modular design facilitates easier debugging and maintenance.

Supported Modes :

- Flow Mode : Applicable during high passenger flow, but the security level of the passage will be reduced in this mode ;
- Interlock Mode : Only one door is allowed to open at a time, ensuring a high security level ;
- Automatic Mode : Automatically switches between Flow Mode and Interlock Mode based on passenger flow ;
- Cleaning Mode : Used for daily passage cleaning; allows setting a time limit, with an alarm triggered when the time is reached ;
- Maintenance Mode : Used by equipment maintenance or repair; allows setting a time limit, with an alarm triggered when the time is reached. ;
- Others : Customizable modes based on specific scenarios.

Optional

- The number of door panels can be configured and increased ;
- Semi-height door units can be configured outside the passage ;
- The passage length can be extended.
- Supports 90° L-shaped passage deployment to adapt to more scenarios ;
- Compatible with our company's verification column products for authorized access in situations requiring passenger identity verification.
- The appearance color can be customizable.

Technical Parameters

Aisle Width	900mm / 1000mm /1200mm/1400mm/1600mm
Aisle Height	2400mm (Net height is 2100mm)
Main Material	The main structure is made of aluminum alloy/stainless steel profiles; The side doors use 8mm safety tempered glass.
Door Mechanism	Adopts a high-reliability DC motor with integrated gearbox and electromechanical brake.
Door Panel Type	Full-height door panels, with customizable semi-height door panels available as an option.
Power Supply	110~240VAC 50/60Hz
Power Rating	600W Max / 100W Standby
Flow Rates	In flow mode, the capacity is 60 to 75 people per minute; In interlock mode, it is 9 people per minute, which is related to the passenger speed.
Passage Indication	Both the entrance and exit of the equipment are equipped with obvious LED indicators to display the current passage status. When the passage enters an abnormal state, the LED indicators at the entrance and exit will switch, and passengers will be notified via audio equipment.
Installation Conditions	Surface Mounting with Ground Flatness of $\pm 1.5\text{mm}$

Dimensions

