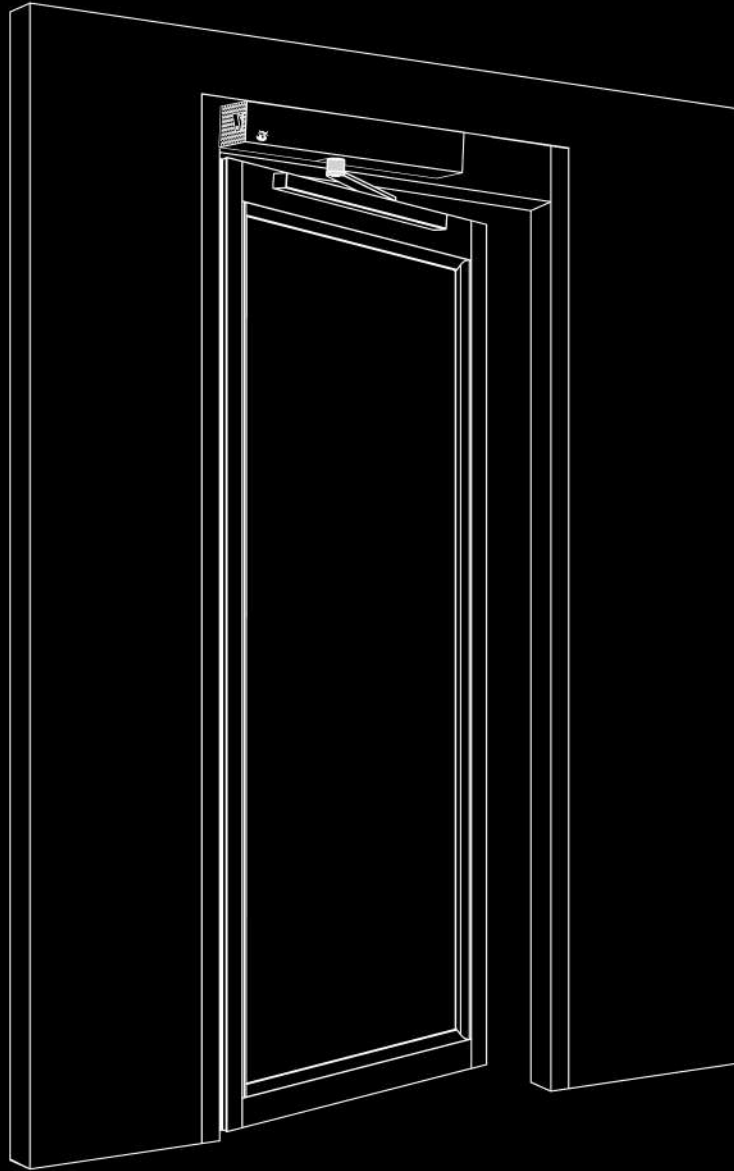




Home & Commercial Environment Integrated Solutions

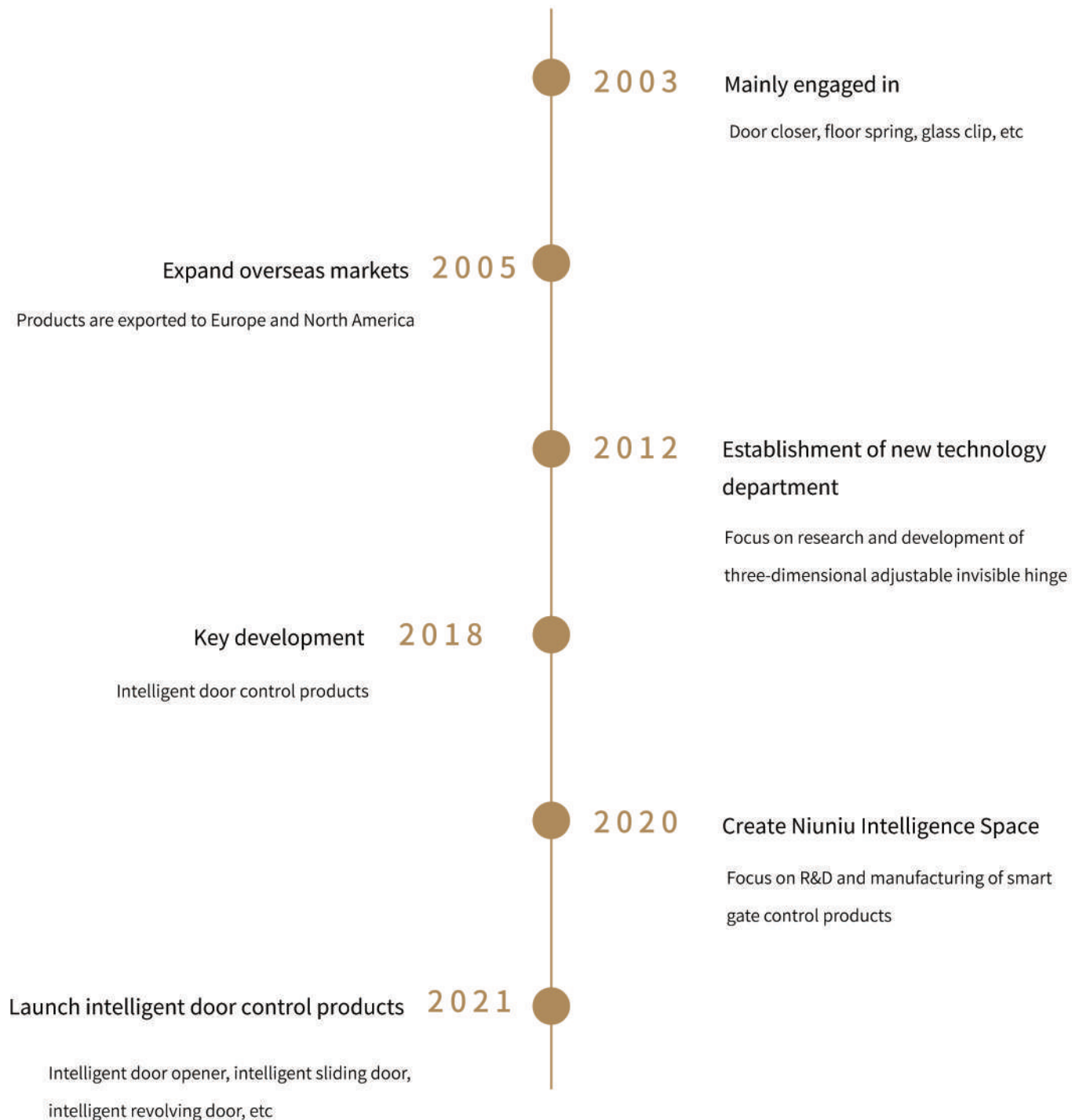
INTRODUCTION

Niuniu Smart Space is committed to becoming a professional provider of overall solutions for high-quality smart space

With the wide application of intelligent technology products, Niuniu Intelligent Space has invested a lot of money and energy to build an industry-university-research integrated scientific research platform, and successfully developed a humanized intelligent space system solution. At present, it has covered the control system of swing door and sliding door, and is widely used in application scenarios such as entrance doors, interior doors, barrier-free access doors, partition doors, glass doors, etc., to achieve contactless induction door opening. With automatic door opener, electric sliding door, magnetic suspension sliding door, stainless steel three-dimensional adjustable hinge and other main products, as well as comprehensive multi-industry solutions and professional services, it is widely praised by customers at home and abroad.

With "space efficiency and living experience" as the core, Niuniu Smart Space is committed to providing consumers with high-quality and rich smart door products, creating the best living quality masterpiece for each different space and different needs, and enabling consumers to realize the leap from a single spatial pattern to a multi-space world

COURSE





Powerful

Maximum drive door weight 250kg (K20 Series)

Permanent magnet synchronous motor and high-grade magnets enables a greater torque.

Ultra silent

Less than 50 dB

The use of a permanent magnet synchronous motor enables the maximum speed of the motor to be 300 rpm, and the operation is ultra quiet.

Smart

Adaptive door weight

The system automatically detects the door weight and adapts the corresponding torque to keep the door running at a stable speed.

Long life

More than 500,000 cycle test

Permanent magnet synchronous motor, high-precision bearings, alloy gears, high-precision gear hobbing technology, enable longer service life of the equipment.

Small size

480*70*70mm (K20 concealed)

The motor maintains a maximum speed of 300 rpm without complex deceleration design and is smaller.

Anti pinch

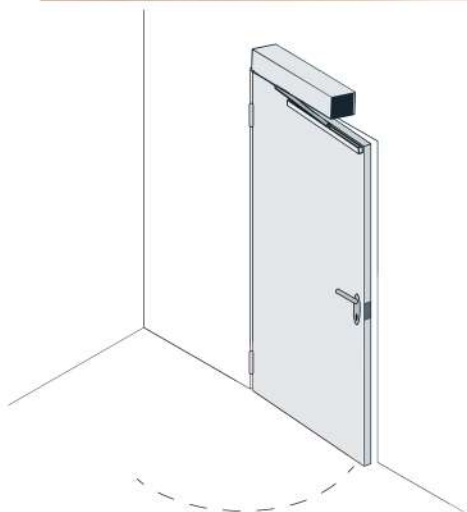
Return function in case of obstruction

When the door is running and bumps into people or other obstacles, the operator quickly determines that it is blocked and runs in reverse direction to ensure safety.

APP

App debugging

Mobile app debugging eliminates complex debugging and makes product installation and debugging more convenient.





We create exclusive solutions for you, which are applicable to different styles of scenes, and are more automated and intelligent, to achieve a contactless channel experience, so that you can get rid of the shackles and understand the true meaning of unimpeded space.

CONTENT



Horizontal door series products



Sliding door series products



Rotary door series products



Other accessories

Product features:



Contact free



Mute



Convenience



Aesthetics



Diversity



reliability



Functionality



Individualization



Environmental protection



Security



Double opening linkage

Two units are used to control double doors to open synchronously, and only one wire is needed to connect the two sets for communication.



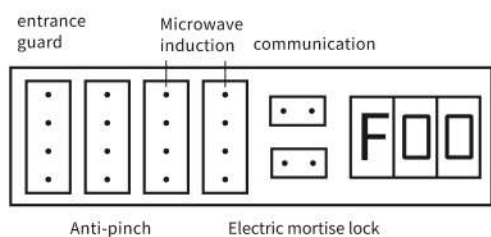
Hold-open Function

When the door is fully opened, block it for 5 seconds to activate the Hold-Open function. Just pull the door 5 cm towards the closing direction to restart the usual opening/closing process.



Power failure push

In case of power failure, the door can easily be manually opened or closed. The manual operation force is only 20 N.



Rich interfaces

The product presents an external interface to facilitate connection of additional equipment and improve the user experience.



hospital



school



Shopping Mall



Office space



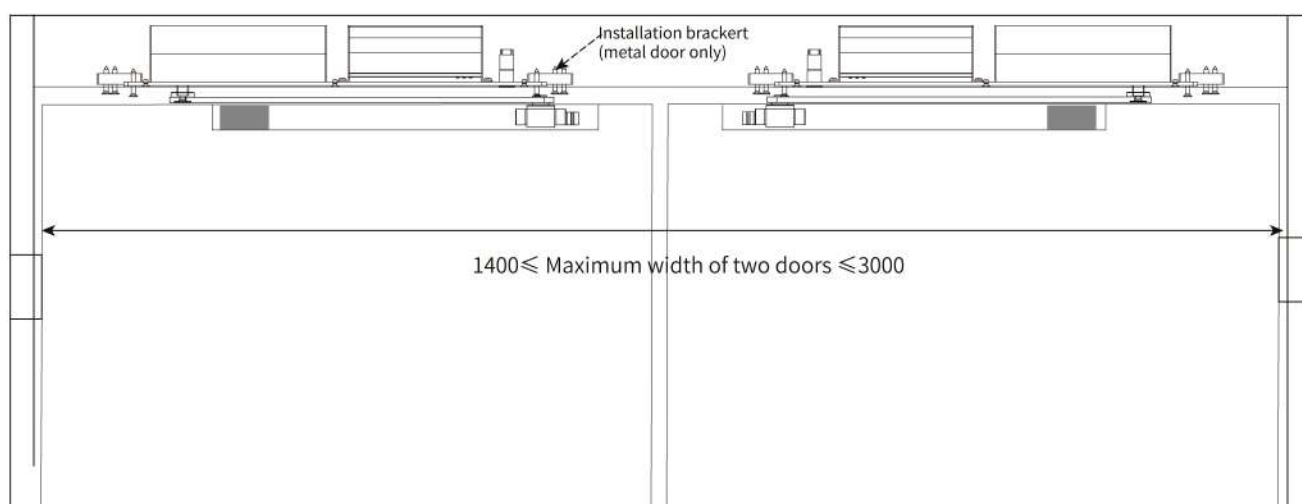
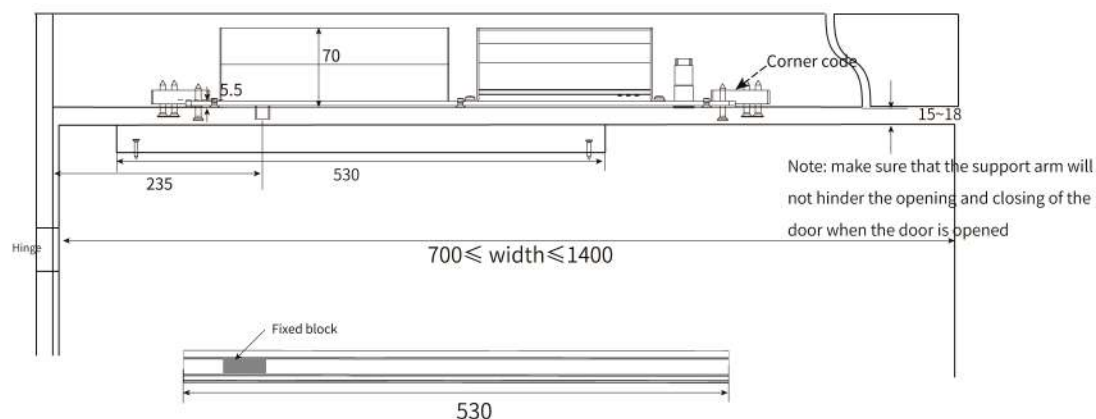
Public toilets

Entrance, rehabilitation center, nursing home, hotel.....



Product model	K20		K10	
Product size	Concealed installation	Front view Section view Body size: 480*70*70mm Sliding arm size: 530*30*33mm	Front view Section view Body size: 387*50*70mm Sliding arm size: 530*29*21mm	
	Surface decoration	Front view Section view Body size: 435*81*68.5mm Sliding arm size: 530*34.5*32mm	Front view Section view Body size: 391*54*72mm Sliding arm size: 530*21*29mm	
Applicable door weight	Maxmum 250kg		Maxmum 120kg	
Applicable door width	700-1400mm		700-1400mm	
Opening / closing speed	Maximum : 30°/s		Maximum : 30°/s	
Motor type	Permanent magnet synchronous motor		Permanent magnet synchronous motor	
Maximum torque	60Nm		30Nm	
Minimum manual thrust	20N		20N	
Applied voltage	110-240v		110-240v	
service life	More than 500000 times		More than 500000 times	
External interface	support		support	
Warranty period	2 year		2 year	

Installation method of concealed door operator (please refer to the product manual for detailed installation dimensions and steps)



List of external equipment

The external interface adopts relay (dry contact) signal, which is convenient for external connection of other equipment.



Access control



Electric lock



Microwave induction



Contact free inductive switch



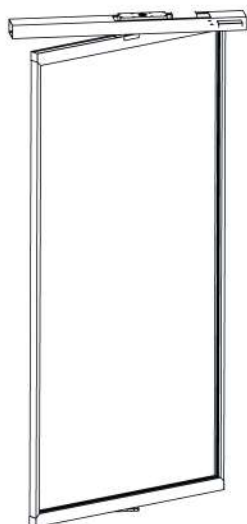
Anti collision sensor



camera sensor



Application scenario



Indoor gate



Hotel partition



Office door



cubicle



Access door

Exhibition center gate,
airport, station,
supermarket entrance.....

High torque, ultra quiet



The use of a permanent magnet synchronous motor, fitted with high-grade magnets, the maximum speed of the motor is 300 rpm, the maximum output torque is 2.4 Nm, and the system does not need reduction gears, which makes the operation more quiet.

Small size and convenient installation



The maximum speed of the motor is 300 rpm, without complex deceleration design, small size and more convenient installation.

APP debugging

Mobile app debugging eliminates complex debugging and makes product installation and debugging more convenient.



Operation noise is lower than 50dB



Noise test comparison	
Phone ring tone	70 Db
A quiet office	50 Db
Direct drive sliding door	<50 Db

Excellent safety and anti pinch

When the door is running and bumps into people or other obstacles, the system quickly determines that it is blocked and runs in the opposite direction to ensure safety.

Life test more than 500,000 cycles

The use of a brushless motor enables the service life to be longer, and the endurance test reaches more than 500,000 cycles.

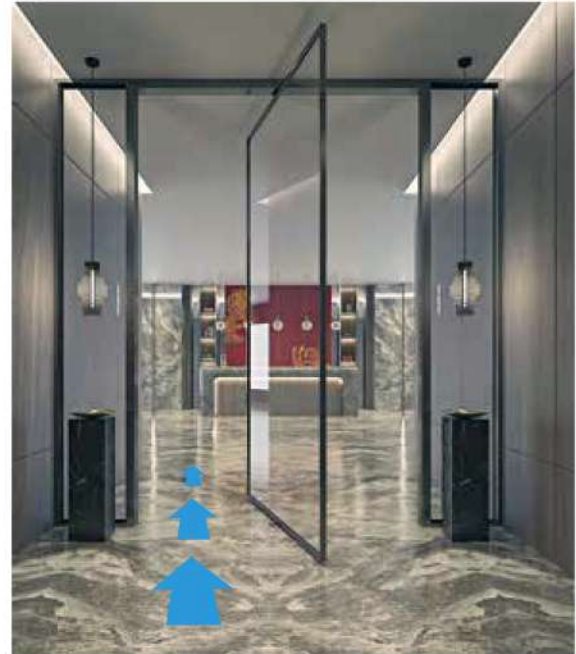
Power failure push



In case of power failure, the door can be easily opened and closed. It only takes 20N to manually open and close the door.

Intelligent control and automatic direction identification

Ergonomic design, automatically identifies the walking direction, adjusts the opening direction of the system.



Intelligent multi operators linkage

Multiple doors can be opened and closed synchronously to provide rapid traffic capacity



Smart push start

Each door can operated independently. Manually push one of them, and the door leaf rotates in the direction of pushing.

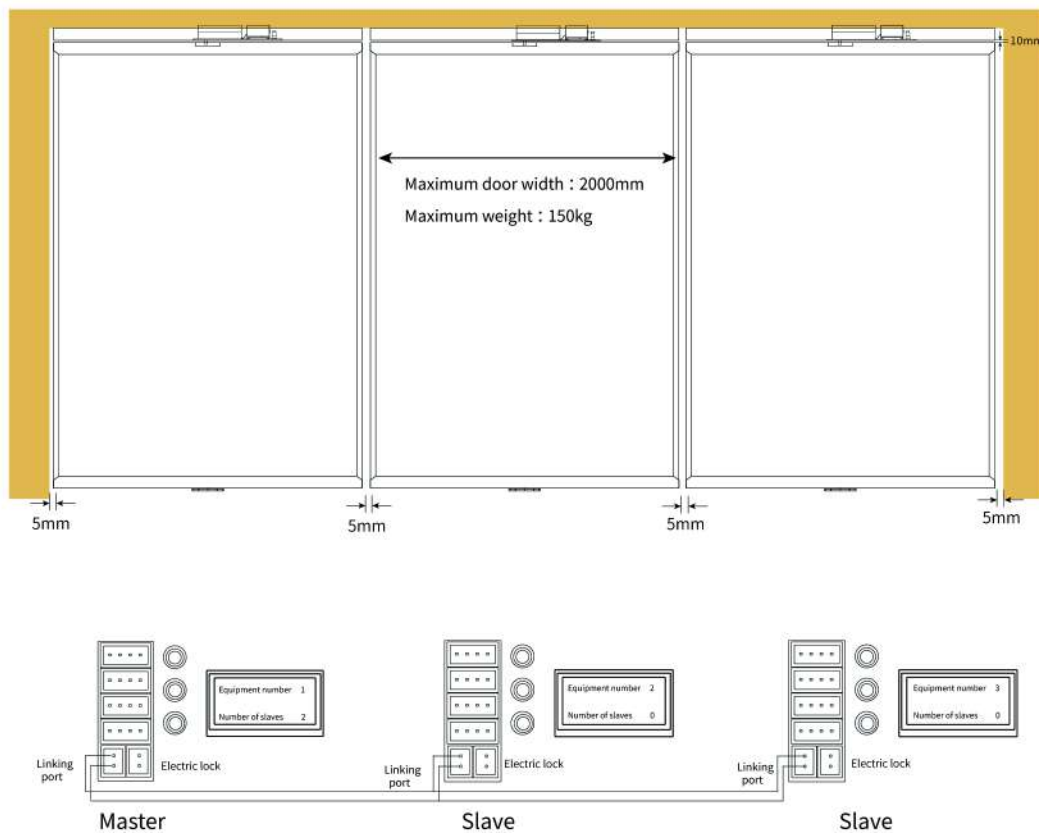
Other linked doors do not start, so that users can open the door at will, enhancing the user experience.



Precise positioning

The perfect combination of mechanical and electric. All door leaves can be accurately positioned on the same zero position when closed.





Product parameters and accessories

Door form: single door / double door / multiple doors

Scope of application: Indoor

Input voltage: AC100-240V 50-60Hz

Output voltage: dc24v/12v

Maximum power consumption: $\leq 120W$

Static power consumption: 25W

Opening time: 4-10s (adjustable)

Door opening holding time: 1-30s (adjustable)

Resistance sensitivity: adjustable in 5th gear

Opening and closing speed: adjustable in third gear

Silence requirements: the operating noise is less than 50 dB

Applicable door weight: 40-150kg

Applicable door thickness: 40-100mm

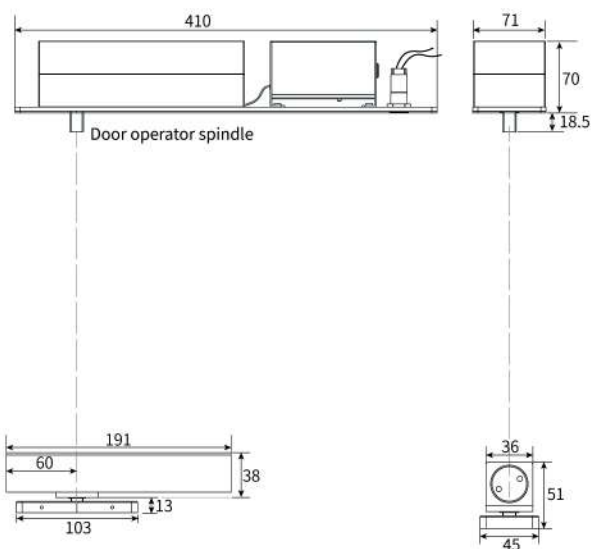
Suitable door width: 700-2000mm

Manual opening force: $\leq 20N$

Applicable temperature: $-30 - 50^{\circ}C$

Opening times: 500000 times

Central pivot door



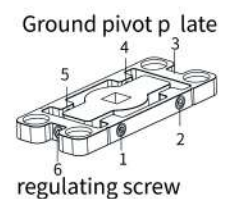
positioner

It is used to fix the door leaf so that it is in the same position every time it is closed.



Spindle clamp bracket

Used for fixing door leaf and door operator spindle.

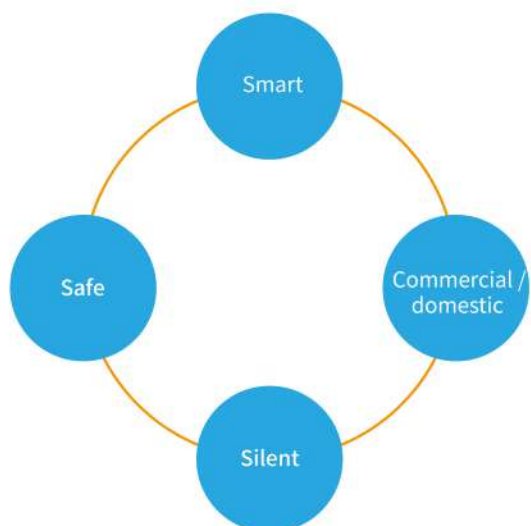


regulating screw

Adjust the door leaf, positioner and the shaft of the door opener on the same axis by adjusting screws.



The world's leading smart sliding door



Automatic learning function

Resistance protection function

Full hold-open function

Schock protection function

Automatic locking function

Self learning function

Power on to automatically learn the travel, automatically identify the weight of the door, and adapt the corresponding torque according to the weight of the door, so that the door can maintain a stable running speed.

High torque, ultra quiet



The use of a permanent magnet synchronous motor, fitted with high-grade magnets, the maximum speed of the motor is 300 rpm, the maximum output torque is 2.4 Nm, and the system does not need reduction gears, which makes the operation more quiet.

Integrated design of motor and control board.



With the integrated design of motor and control board, there is no complex wiring. This brings an easy installation and after-sales maintenance.

Less than 50 Db operation noise.



Noise test comparison	
Phone ring tone	70 Db
A quiet office	50 Db
Direct drive sliding door	<50 Db

Excellent safety and anti pinch

When the door is running and bumps into people or other obstacles, the system quickly determines that it is blocked and runs in the opposite direction to ensure safe operation.

More than 500,000 cycles test.

The use of a brushless motor enables the service life to be longer, and the endurance test reaches more than 500,000 cycles.

Product parameter list

Voltage and current	Voltage: 24V 4a (maximum)
Motor type	Permanent magnet synchronous motor
Maximum torque	2.4 Nm
Manual thrust	20N
working temperature	-40°C-60°C
Insulation class	Level B
Door opening / closing speed	200mm/s—400mm/s
Synchronous belt model	HTD-5M

Manual start

When the door is pulled 5 cm towards the opening direction, the door will automatically open. The door will then automatically close within 5S by default. (The dwell time can be set to up to 30 seconds).



Auxiliary interface

Abundant external interfaces are reserved to facilitate the external connection of other devices and increase the user's sense of experience.



App commissioning

Mobile app debugging eliminates complex debugging and makes product installation and debugging more convenient.



Power failure can also be easily turned on

The motor adopts direct drive without reducer, so it can be used as a manual door in case of power failure and other emergencies. The manual operation force is only 20 N.

List of external equipment

The external interface adopts relay (dry contact) signal to facilitate external connection to other equipment.



Access control device



Electric bolt lock



Microwave induction



Contact free inductive switch

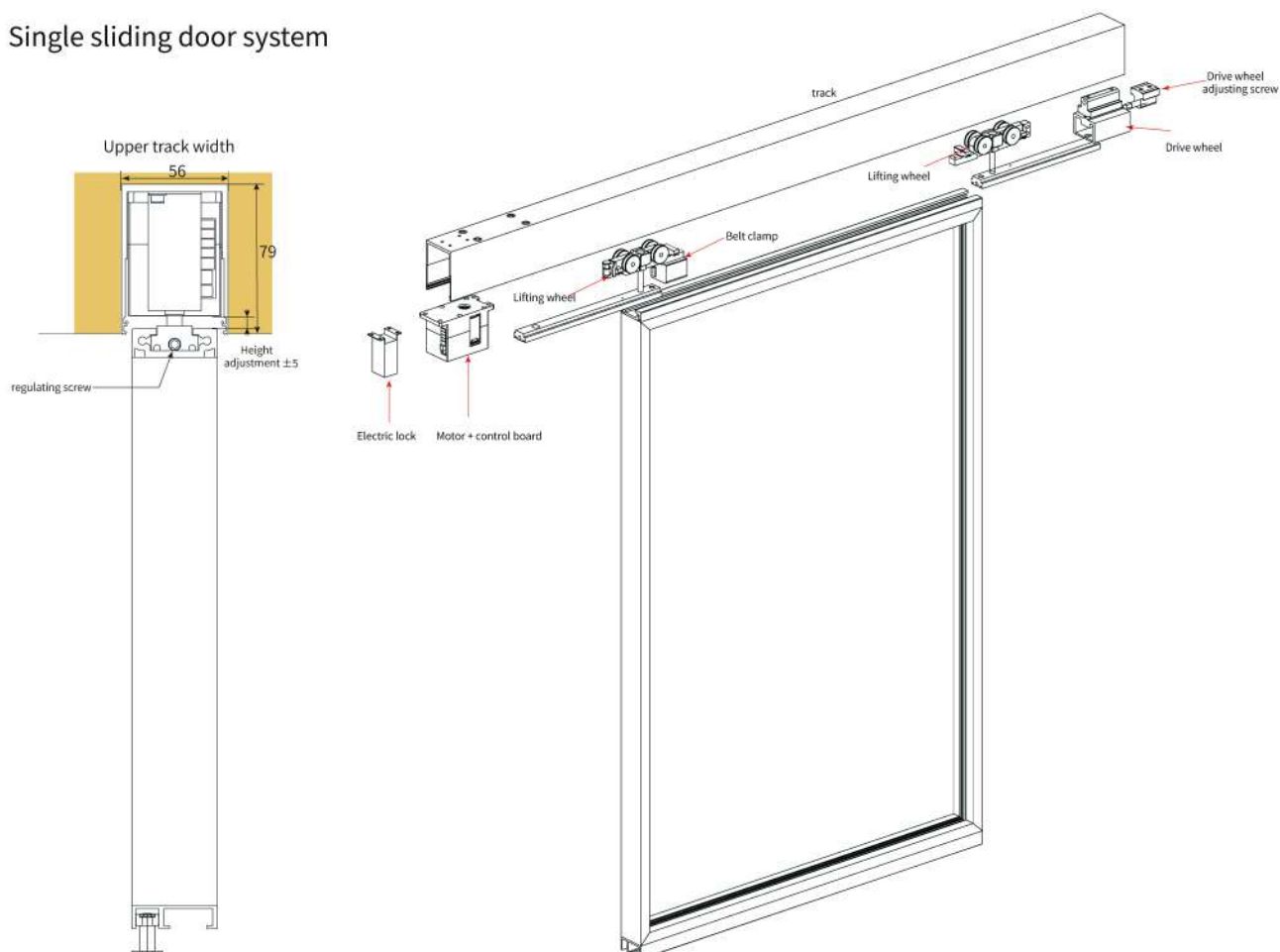


Microwave induction

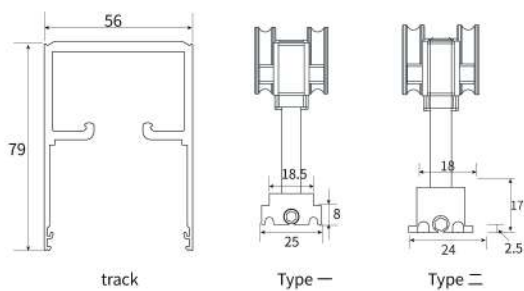


40 direct drive

Single sliding door system

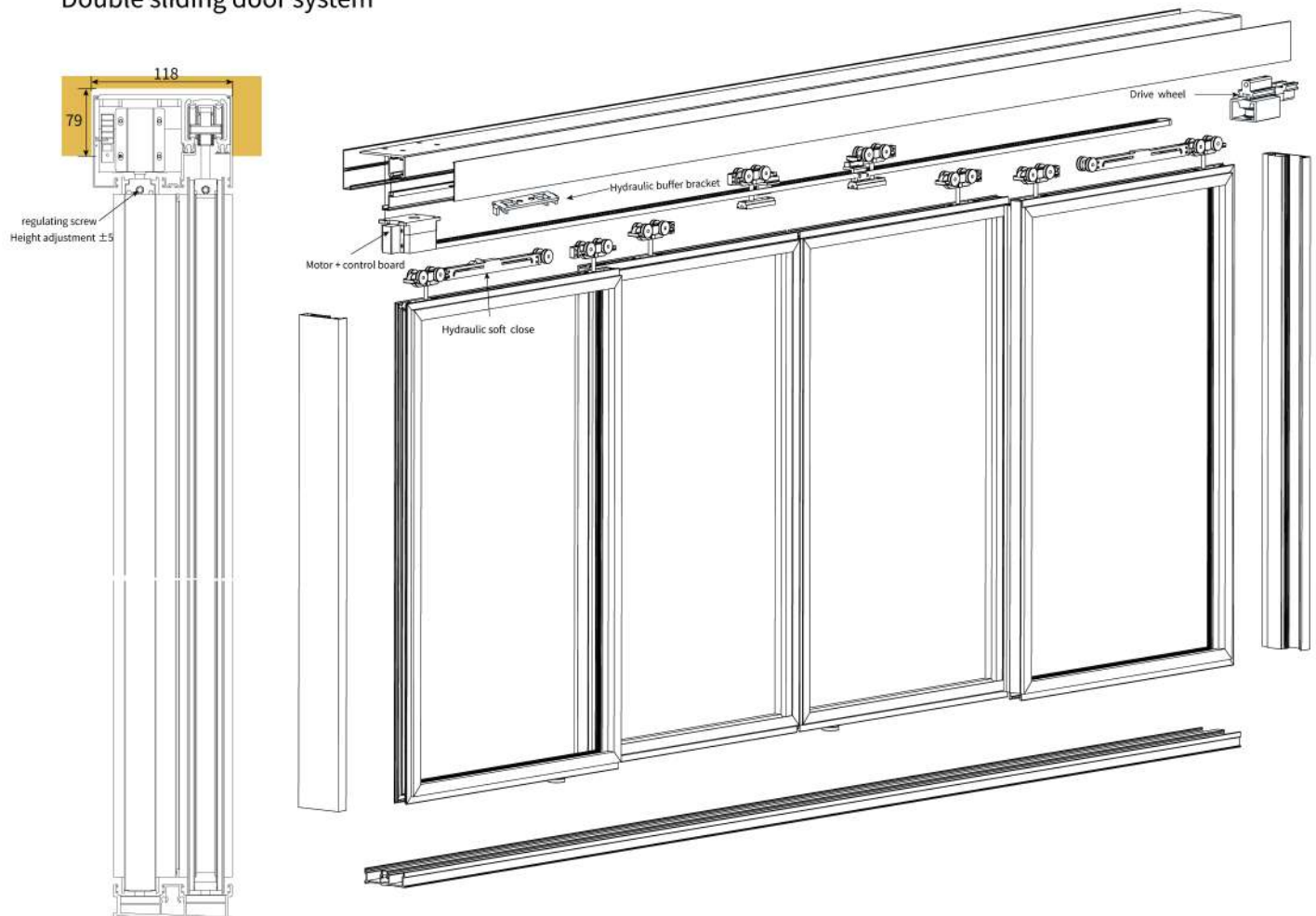


Product parameters

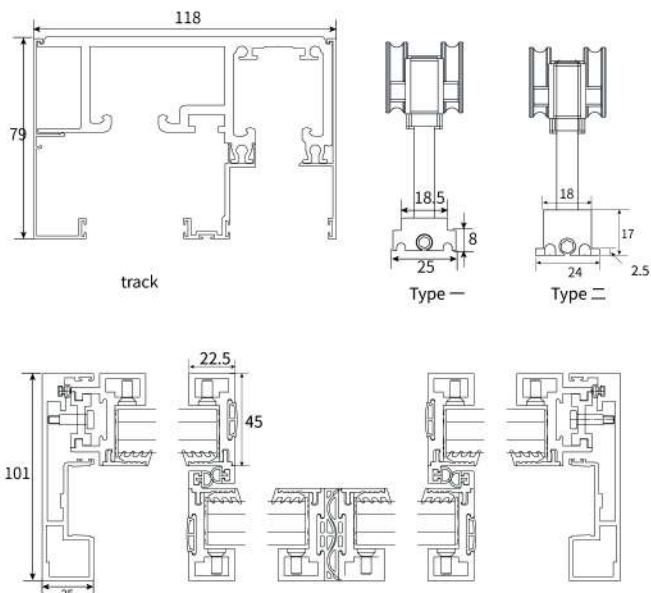


Opening and closing type	Single door
Door leaf weight (kg) x leaf	120kgx1
Door leaf width	Minimum width 650mm, maximum width 1300mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:110-240v power:100w
Manual thrust	20N
Motor type	Permanent magnet synchronous motor
Maximum torque	1.2 Nm

60 direct drive
Double sliding door system



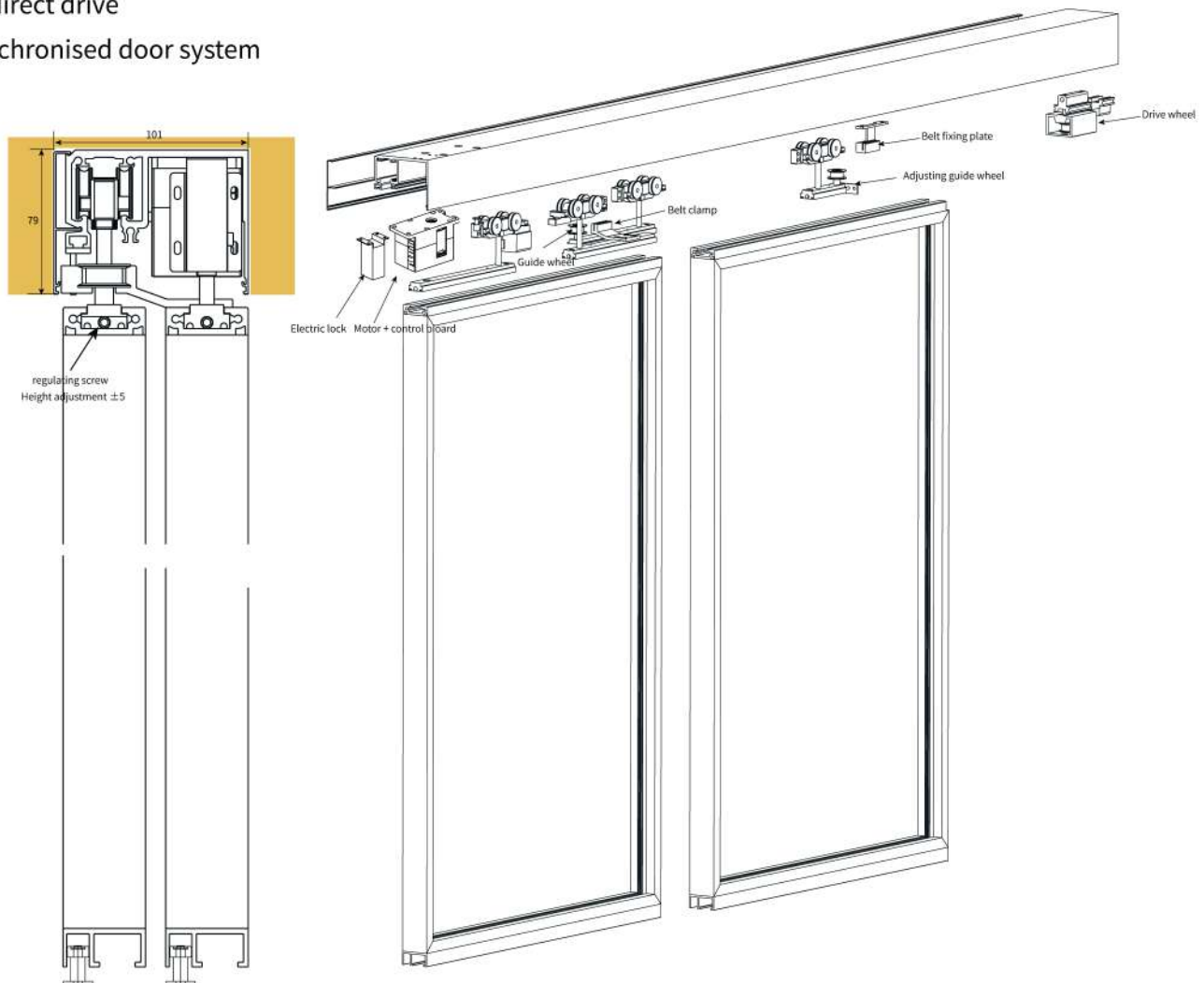
Product parameters



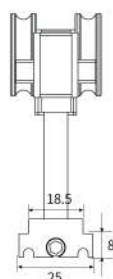
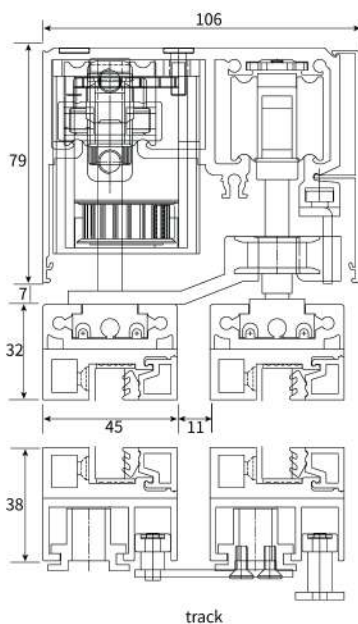
Opening and closing type	Single door	Double door
Door leaf weight (kg) x leaf	150kgx1	100kgx1
Door leaf width	Minimum width 650mm, maximum width 1500mm	
Door opening / closing speed	200mm/s—400mm/s	
Door opening dwell time	0-30s Adjustable	
Input voltage and rated power	Voltage:110-240v power:100w	
Manual thrust	20N	
Motor type	Permanent magnet synchronous motor	
Maximum torque	2.4 Nm	

40 direct drive

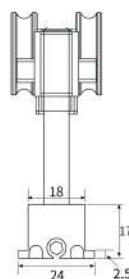
Synchronised door system



Product parameters



Type 一

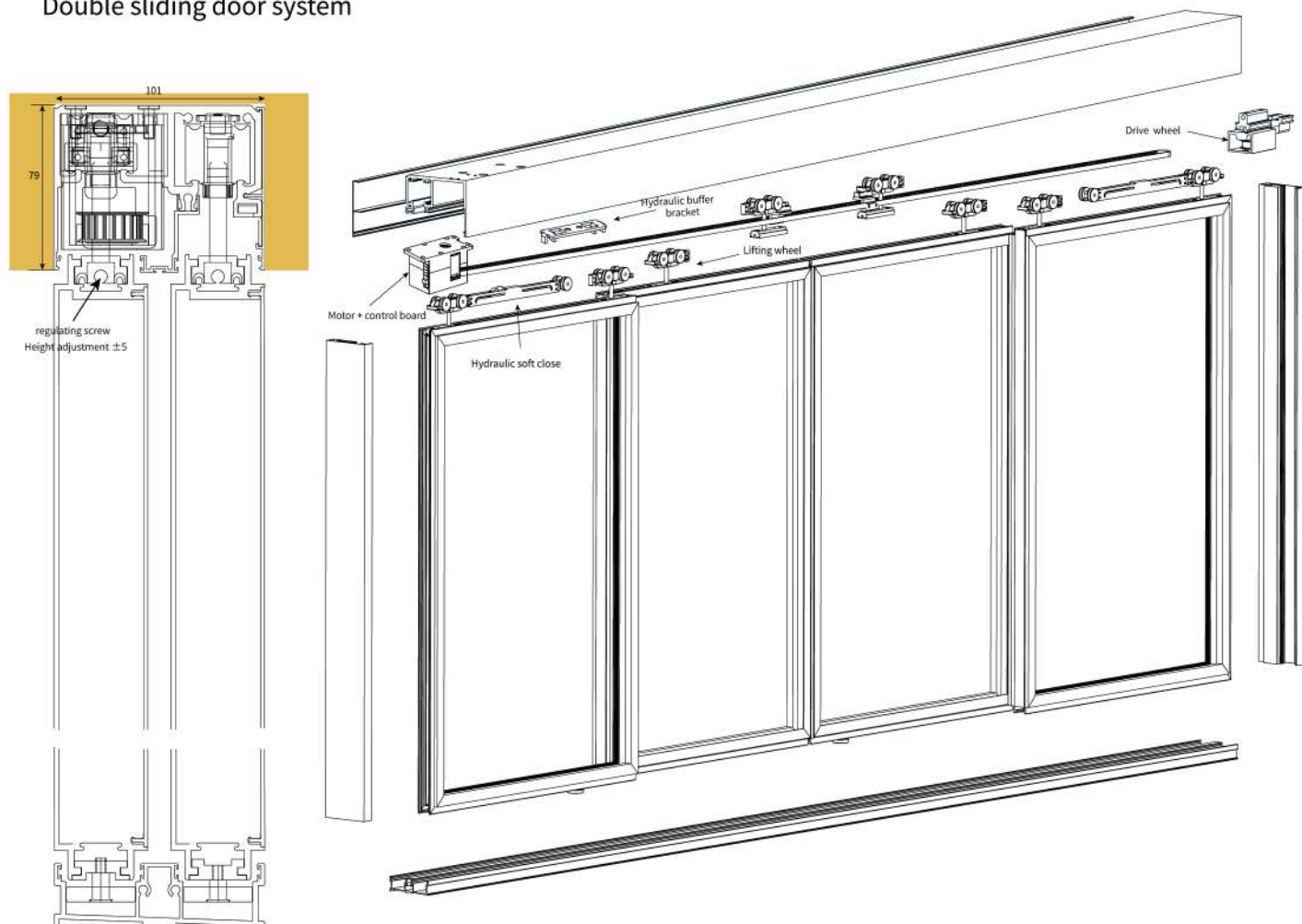


Type 二

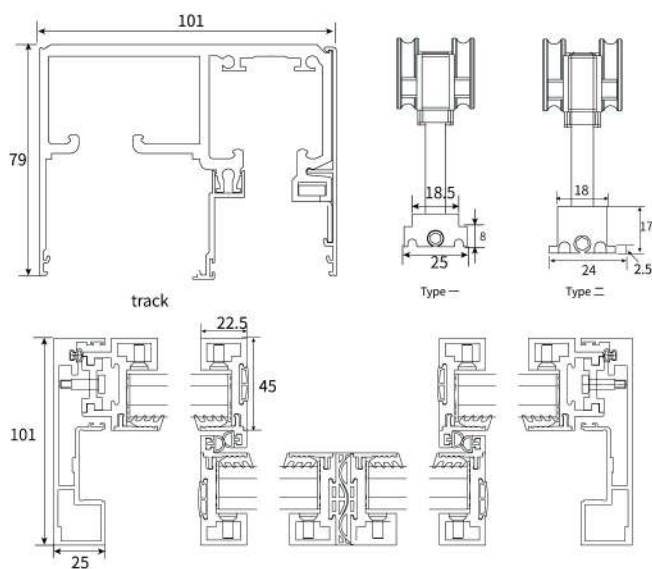
Opening and closing type	2 leaf synchronised door
Door leaf weight (kg) x leaf	80kgx1
Door leaf width	Minimum width 650mm, maximum width 1000mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:110-240v power:100w
Manual thrust	20N
Motor type	Permanent magnet synchronous motor
Maximum torque	1.2 Nm

40 direct drive

Double sliding door system



Product parameters



Opening and closing type	Double door
Door leaf weight (kg) x leaf	80kgx2
Door leaf width	Minimum width 650mm, maximum width 1000mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:110-240v power:100w
Manual thrust	20N
Motor type	Permanent magnet synchronous motor
Maximum torque	1.2 Nm

门禁



Working voltage: 12V DC
Working temperature: -30 °C~+70 °C
Card capacity: 1000
Card reading frequency: 13.56MHz
Working current: ≤ 100mA
Operating humidity: 10% - 90% RH
Door opening mode: card or universal password
Password keyboard: touch key
Output interface: relay
Card reading distance: 10~50mm
Shell material: plastic
Shell color: black
Waterproof or not: rain proof
Equipment size: 72mm * 112mm * 18mm

人脸识别门禁

NN-361



Body material: zinc alloy body
Panel material: tempered glass
Display screen: 5-inch IPS full view HD screen
Touch screen operation: support
CPU: 4-core A7 1.2GHZ
Memory: 1GB
Storage: 4GB
Operating system: LINUX
Camera: wide dynamic binocular 2 million high-definition camera
Face capacity: 20000 people
Card capacity: 20000 people
Recording capacity: 200000

Authentication method: face/password/card Identification speed: ≤ 0.5 s
Working voltage: DC12V Working current: ≤ 860mA
Size: 175 × eighty-seven × 22mm Face machine weight: ≈ 0.8KG



Image sensor

The image sensor focuses on the requirements of automatic door access management, monitoring and remote control; With AI humanoid technology as the core, the monitored images are analyzed and compared through the self-developed humanoid algorithm, and the mobile humanoid output door opening signal is detected to meet the requirements of entrance and exit humanoid door opening; The product performance is stable and reliable, making the entrance and exit of the automatic door safer and more intelligent.

Product features:

Human shape detection door opening
Privacy area shielding processing
The angle of detection range can be adjusted manually and APP

Product parameters:

Working voltage: DC12V-30V
Dimension: 116 * 80 * 56MM
Installation height: less than 5m



Visual vertical anti trap sensor

The visual vertical anti pinch sensor focuses on the requirements of automatic door access management, security protection, remote control, etc; With AI humanoid technology as the core, the monitored images were analyzed and compared, and vertical humanoid output signals were detected. Meet the all-round human anti pinch requirements at the entrance and exit of the electric door; The product performance is stable and reliable, making the entrance and exit of the automatic door more intelligent and safe.

Product features:

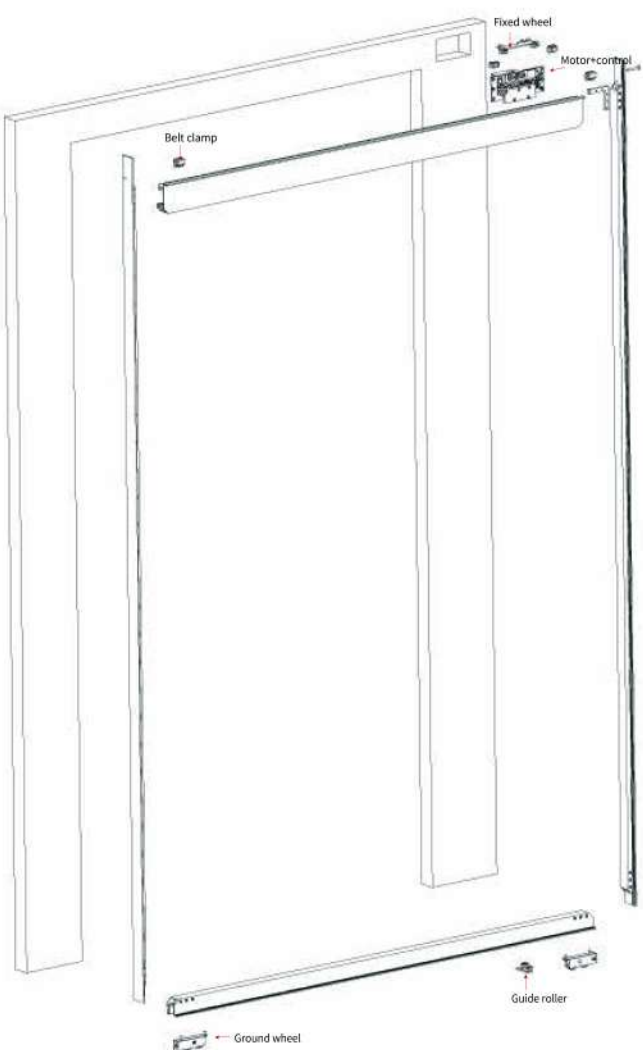
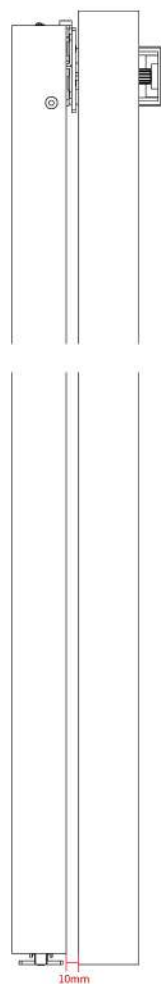
Detect vertical human figure
Privacy area shielding processing
Test range and sensitivity APP adjustment

Product parameters:

Working voltage: DC12V-30V
Dimension: 145 * 47.5 * 50MM
Installation height: less than 3m

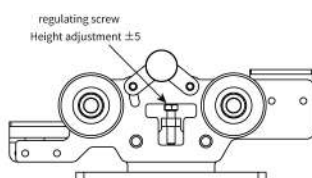
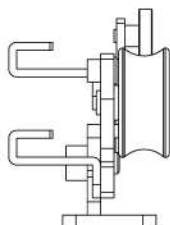
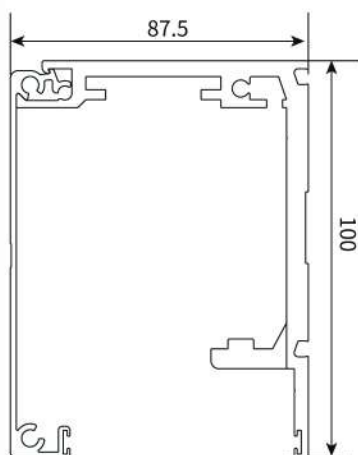
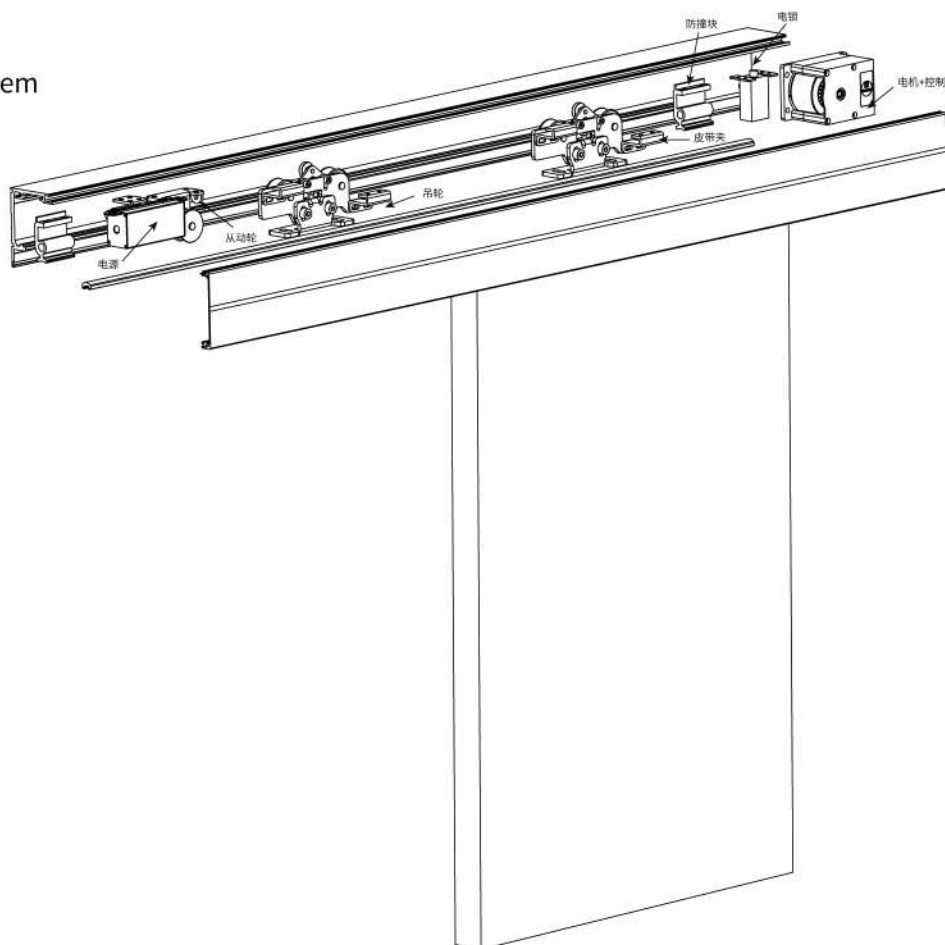


40 direct drive
Phantom Gate System



Opening and closing type	Single door
Door leaf weight (kg) x leaf	80kgx1
Door leaf width	Minimum width 650mm, maximum width 1000mm
Door opening / closing speed	200mm/s—400mm/s
Door opening dwell time	0-30s Adjustable
Input voltage and rated power	Voltage:110-240v power:100w
Manual thrust	10N
Motor type	Permanent magnet synchronous motor
Maximum torque	1.2 Nm

60 direct drive
Side-hung sliding door system



Opening and closing type	Single door	Double door
Door leaf weight (kg) x leaf	150kg	120kgx2
Door leaf width	Minimum width 650mm, maximum width 1500mm	
Door opening / closing speed	200mm/s—400mm/s	
Door opening dwell time	0-30s Adjustable	
Input voltage and rated power	Voltage:110-240v power:100w	
Manual thrust	20N	
Motor type	Permanent magnet synchronous motor	
Maximum torque	2.2 Nm	

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