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DESHENG

PEDESTRIAN GATE SERIES

Security Management Solution Provider

Desheng TECHNOLOGY

China Security Intelligence Solution Outstanding Enterprises

DESHENG

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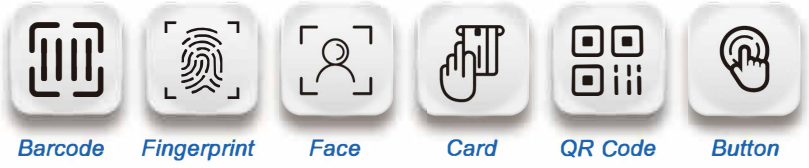
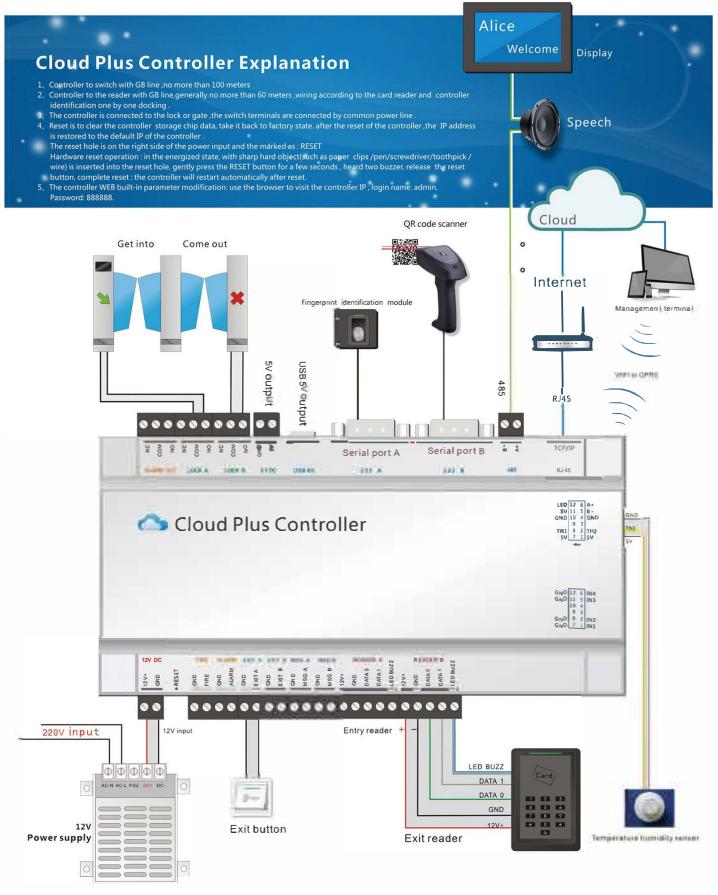
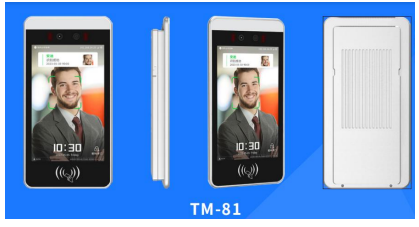
»Access Control Method



Cloud Control Board«



»Android Face Recognition



Model	TM-81
Product Features	Support face, card swipe (IC/ID), password
Support Optional	Fingerprint/QR code/ID card/palm vein/palm print/alcohol test,
Operating System	Android operating system: Android 11
Processor	RK3568: Quad-core 64-bit Cortex-A55, clocked at up to 2.0GHz
Face Database	4W face database/8W recognition records
Camera	Binocular: 2 million effective pixels/supports living body detection
Screen Size	8-inch, full-viewing IPS LCD screen, 1280*800 resolution
Mask Detection	Support mask detection
Liveness Detection	The accuracy rate is 99.5%; the face recognition pass speed is less than 0.3S
Signal	WiFi/Ethernet/4G (optional)
Structural Design	Bo Kong aluminum alloy material, ultra-thin design
Protection Level	IP65/waterproof and dustproof
Storage	2+16GB, (optional: 4+32G/64G)
Operating temperature	-20℃ ~ +60℃
Input Power	DC12V/2A
Audio Output	3Ω 2W
Doorbell Button	Support doorbell button
Front-end Operations	Support personnel registration, equipment configuration, information query
Microphone	Supports microphone input audio and speaker output audio (optional)
Hardware Interface	WG26, WG34, USB, door sensor, doorbell, door opening, RS485
Interface Protocol	Supports TCP and HTTP protocols under multiple platforms such as Windows/Android
Custom	Customizable change of verification methods and other requirements

Model	TM51-P-IC
Product Features	Supports palm print/palm vein/card swipe/face/password verification (fingerprint optional)
Palmprint algorithm	Read speed 800 milliseconds
Recognition distance	0.2m-0.5m
Swipe card module	Reading speed ≤ 0.5 seconds
Screen size	IPS.50 inch LCD display screen; Resolution 720 * 1280
Camera	200W resolution
CPU	RK3568, quad core, main frequency 2.0GHz
Storage capacity	2+16GB built-in
System version	Android 11 system
Wiegand	Supports Wigan 26/34 adaptive transmission
Enabling signal	COM/NO/NC
USB	1-way USB interface
Serial port	RS485
Signal	WIFI 2.4G/Bluetooth 5.0/Ethernet/(optional 4G)
Fingerprint capacity	5,000
Structural design	Glass panel +aluminum alloy
Overall size	196.73mm*92mm*16.25mm
Weight	0.45KG
Input power supply	Power adapter 12V/2.5A
Audio output	3Ω 2W
Installation method	Wall-mounted installation/embedded gate
Custom	Customizable change of verification methods and other requirements

Linux Face Recognition«

Face Capacity	1: N mode	20,000 people
Face recognition	Storage capacity	100,000 control records + fear records
	Identification speed	<0.5s
	Accuracy:	1: N mode: 0.01% error rate (pass rate of 99.7% with 97% pass rate supported)
Display and lighting	Screen parameters	800 * 1280, Full Perspective, 8-inch IPS HD Display
	Screen brightness	≥ 400cd/m2
	Resupplement	Night infrared and LED double complement light
Face camera	Resolution	2.1 MP, 1920 * 1080
	Quantity	2, dynamic ocular wide dynamic lens
	Focus distance	6mm
	White Balance	Automatic
	Wide dynamic	100db, isp algorithm face local exposure
Hardware interface	Local Flash Storage	8G
	USB Extension	USB2.0 Type-A interface
	Serial port	1 * RS485
	Relay output	2.5mm terminal 2P
	wiegand input	2.5mm terminal 2P
	wiegand output	5mm terminal 4P
	Network interface	1 RJ45,10M/100M adaptive Ethernet port, WiFi(optional)
Others	Use environment	Half-outdoor, with a canopy shelter
	Power supply	DC12V/3A
	Operating temperature	-10℃~+50℃
	Working humidity	0~90% Relative humidity, no condensation
	Power	20W MAX

Standardization

7 types of products
12 standard features

Speed Gate Series

Swing Turnstile Series

Flap Turnstile Series

Tripod Turnstiel Series

Full Height Turnstile Series

Sliding Gate Series

Drop Arm Gate Series

- 1. Can be used with other style passage gate in the same system
- 2. With automatic reset function, the barrier arm always can return to initial position after passing
- 3. With traffic light indication, passage convenient and faster
- 4. Can be linked to a various of IC card, ID card reader controller, suits all kinds of IC card, ID card, barcode, magcard
- 5. Can be expanded to identification system, realize the function of entrance guard, flow-limit and checking-in.
- 6. Can be set infrared sensor, with illegal enter alarm, following alarm, reverse the passage alarm and normal traffic splinter alarm
- 7. With fault self-check function, convenient maintenance and function adjusting
- 8. Can be set normally open or normally close working mode, meet management requirement
- 9. With technology function, can accurate record the number of passager
- 10. Anti-following function, after passing one, barrier arm will automatically lock, completely realize one man one rod
- 11. Can be connected with all various of biometrics head reader like QR code, fingerprint, face recognition etc.
- 12. With uniform standards external electrical interface, can be connected with other control equipment, convenient for integrating, and can by managing computer realize remote control and management

Customization

9 customizable features

Ticketing system
The ticketing system is applicable to various scenic spots, exhibitions, gym clubs and other scenarios, facilitating comprehensive management of merchants.

Construction site system
Construction site access management system, easy to manage, external LED screen, display various information.

Attendance system
can expand fingerprint authentication, swipe card, face recognition, iris recognition, vein recognition and other different authentication methods.

Access control system
Security management of different personnel through rights management, suitable for closed places, such as: enterprises, schools, factories, etc.

Visitor system
make full use of modern information technology, truly achieve the "integration of people and Certificates" entry registration, logout, people corresponding, hierarchical management and other functions.

School System
suitable for kindergarten, driving school, school, examination and other required swipe card, take pictures, gate opening scene

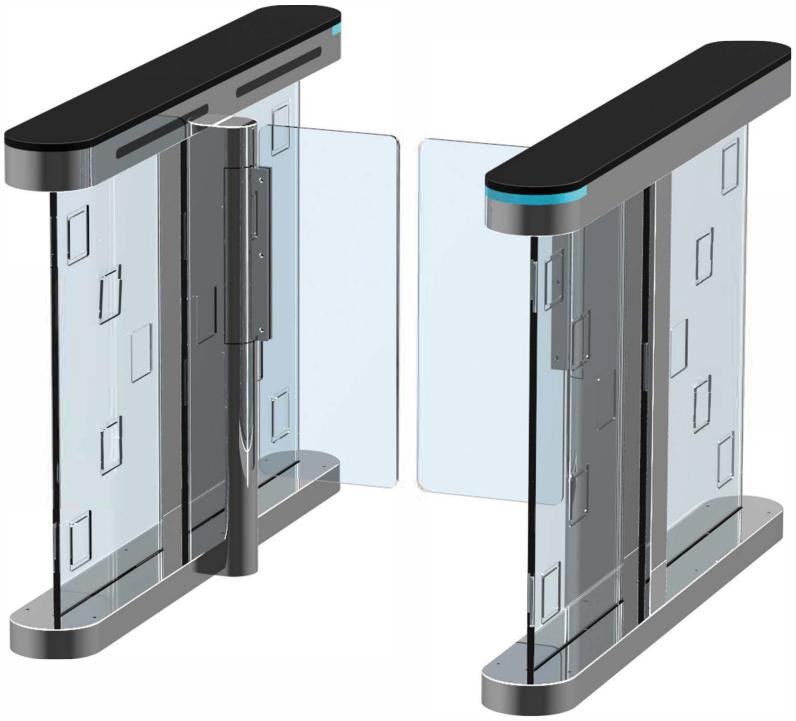
Custom development
it can be customized according to the needs of development, such as APP control, external display and other functions

APP system
Switching gates through mobile phone APP for easy property management

ID card identification
ID card identification system successfully applied to universities, driving schools, libraries, etc.

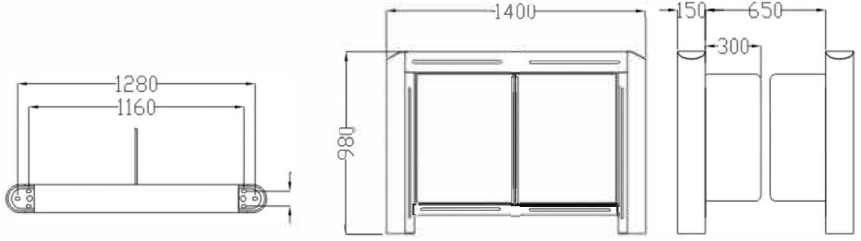
Speed Gate Series

Model No.:DS-ST001



Speed Gate Series

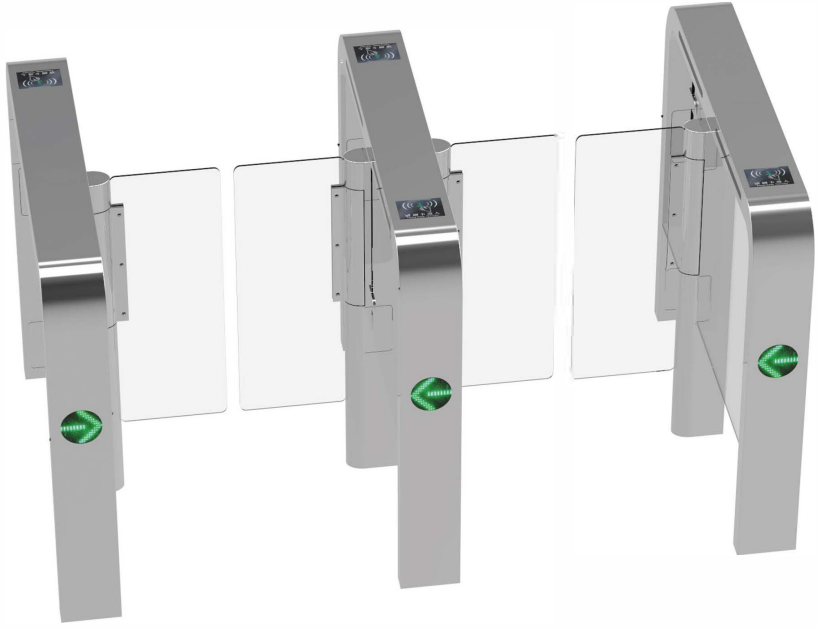
Parameters Description



Cabinet Material	304 Stainless Steel	**Protection function**	Encoder limit,Clutch anti-collision,Infrared anti-pinch,Break-in alarm function
Dimensions	1400*180*1000mm	**Direction**	Bi-directional
Weight	80KG	**Service Life**	5million times
Arm Length	⩽450mm	**Operating Temperature**	-25℃～+60℃
Passage Width	⩽900mm	**Related Humidity**	⩽90%RH
Opening Signal	Relay	**Communication Interface**	TCP/IP
Material Thickness	1.5mm	**Power Rate**	90W
Card-reading Window	Two	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Infrared sensor	4Pairs	**Opening Speed**	30-45persons per minute

Speed Gate Series

Model No.:DS-ST002



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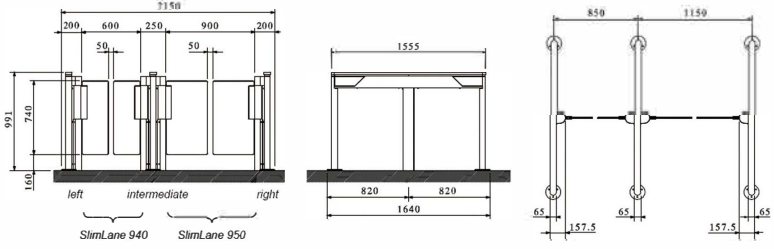


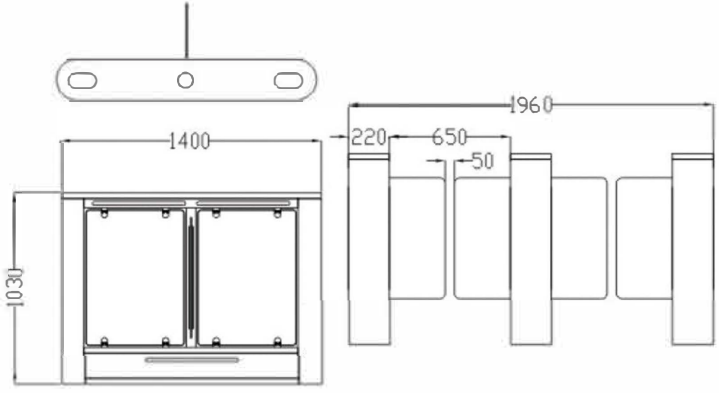
Cabinet Material	304 Stainless Steel	**Protection function**	Encoder limit,Clutch anti-collision,Infrared anti-pinch,Break-in alarm function
Dimensions	1400*180*1000mm	**Direction**	Bi-directional
Weight	80KG	**Service Life**	5million times
Arm Length	≤450mm	**Operating Temperature**	-25℃ ~ +60℃
Passage Width	≤900mm	**Related Humidity**	≤90%RH
Opening Signal	Relay	**Communication Interface**	TCP/IP
Material Thickness	1.5mm	**Power Rate**	90W
Card-reading Window	Two	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Infrared sensor	4Pairs	**Opening Speed**	30-45persons per minute

»Swing Turnstile Series

Model No.:DS-BZ001

Swing Turnstile Series«

Parameters Description

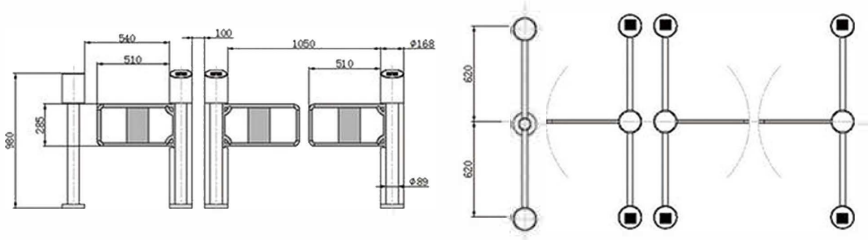


Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	1400*200*980mm	**Direction**	Bi-directional
Weight	80KG	**Service Life**	5million times
Arm Length	≤450mm	**Operating Temperature**	-25℃ ~ +60℃
Passage Width	≤900mm	**Related Humidity**	≤90%RH
Opening Signal	Relay	**Communication Interface**	TCP/IP
Material Thickness	1.5mm	**Power Rate**	90W
Card-reading Window	Two	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Infrared sensor	4Pairs	**Opening Speed**	30-45persons per minute

Swing Turnstile Series

Model NO.:DS-BZ002

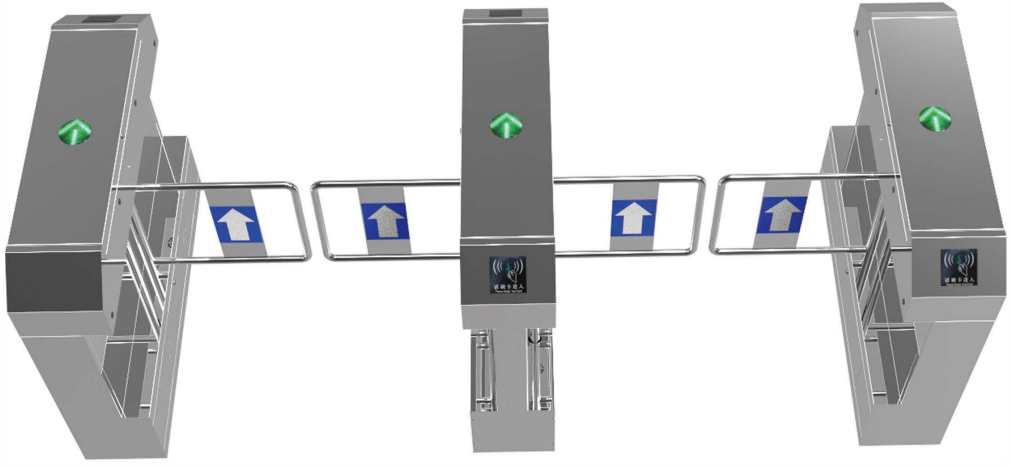
Parameters Description



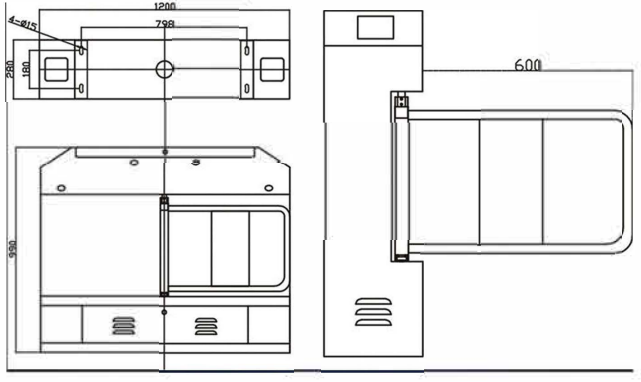
Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	Column diameter 168mm Height 1050mm	**Direction**	Bi-directional
Weight	60KG	**Service Life**	5million times
Arm Length	<1000mm	**Operating Temperature**	-25℃ ~ +60℃
Passage Width	<2000mm	**Related Humidity**	≤90%RH
Opening Signal	Relay	**Communication Interface**	TCP/IP
Material Thickness	1.5mm	**Power Rate**	90W
Card-reading Window	Two	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Infrared sensor	3Pair	**Opening Speed**	30-45persons per minute

Swing Turnstile Series

Model No.:DS-BZ003



Parameters Description

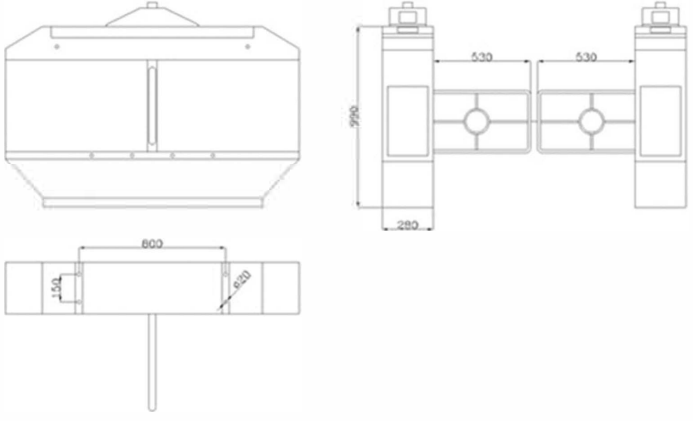


Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	1200*280*980mm	**Direction**	Bi-directional
Weight	60KG	**Service Life**	5million times
Arm Length	⩽900mm	**Operating Temperature**	-25℃ ~ +60℃
Passage Width	⩽1800mm	**Related Humidity**	⩽90%RH
Opening Signal	Relay	**Communication Interface**	TCP/IP
Material Thickness	1.5mm	**Power Rate**	90W
Card-reading Window:	Two	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Infrared sensor	4Pairs	**Opening Speed:**	30-45persons per minute

Swing Turnstile Series

Model No.:DS-BZ004

Parameters Description



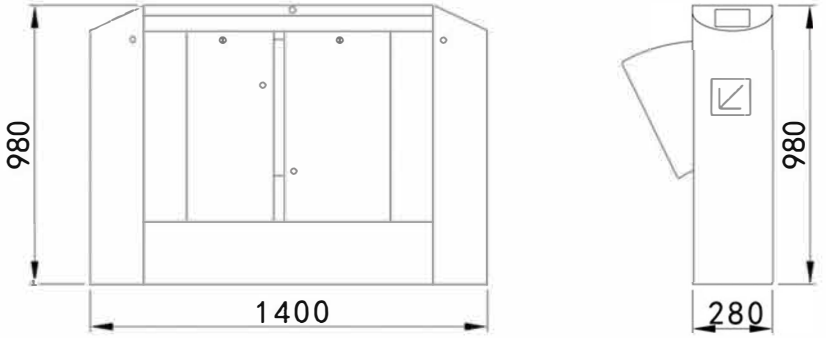
Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	1400*280*1000mm	**Direction**	Bi-directional
Weight	80KG	**Service Life**	5million times
Arm Length	⩽450mm	**Operating Temperature**	-25℃ ~ +60℃
Passage Width	⩽900mm	**Related Humidity**	⩽90%RH
Opening Signal	Relay	**Communication Interface**	TCP/IP
Material Thickness	1.5mm	**Power Rate**	90W
Card-reading Window:	Two	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Infrared sensor	4Pairs	**Opening Speed:**	30-45persons per minute

»Flap Turnstile Series

Model No.: DS-YZ -001

Flap Turnstile Series«

Parameters Description



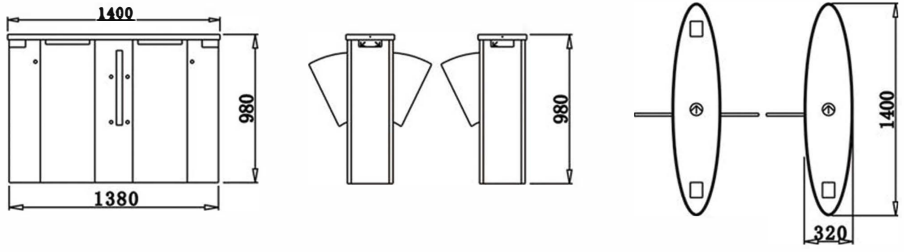
Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	1200*300*980mm	**Direction**	Bi-directional
Weight	60KG	**Service Life**	5million times
Flap Barrier Material	PVC/Acrylic	**Operating Temperature**	-25℃ ~ +60℃
Arm Length	≤300mm	**Related Humidity**	≤90%RH
Passage Width	≤600mm	**Communication Interface**	TCP/IP
Opening Signal	Relay	**Power Rate**	90W
Material Thickness	1.5mm	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Card-reading Window:	Two	**Opening Speed:**	30-45persons per minute
Infrared sensor	3Pairs		

»Flap Turnstile Series

Model No.: DS-YZ002

Flap Turnstile Series«

Parameters Description



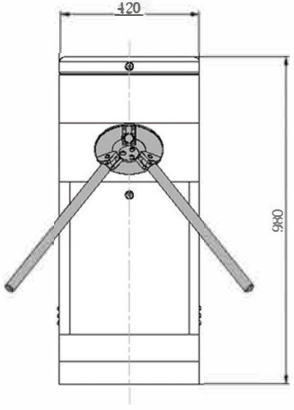
Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	1400*300*980mm	**Direction**	Bi-directional
Weight	70KG	**Service Life**	5million times
Flap Barrier Material	PVC/Acrylic	**Operating Temperature**	-25℃ ~ +60℃
Arm Length	⩽300mm	**Related Humidity**	⩽90%RH
Passage Width	⩽600mm	**Communication Interface**	TCP/IP
Opening Signal	Relay	**Power Rate**	90W
Material Thickness	1.5mm	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Card-reading Window:	Two	**Opening Speed**	30-45persons per minute
Infrared sensor	3Pairs		

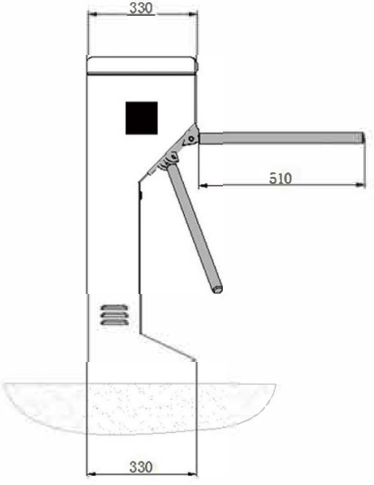
Tripod Turnstile Series

Model NO.:DS-GZ001

Tripod Turnstile Series

Parameters Description





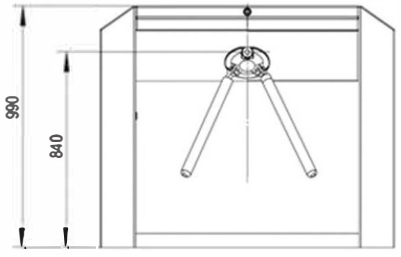
Cabinet Material	304 Stainless Steel	**Direction**	Bi-directional
Dimensions	420*330*980mm	**Service Life**	5million times
Weight	35KG	**Operating Temperature**	-25℃ ~ +60℃
Arm Length	≤ 500mm	**Related Humidity**	≤ 90%RH
Passage Width	≤ 550mm	**Communication Interface**	TCP/IP
Opening Signal	Relay	**Power Rate**	90W
Material Thickness	1.5mm	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Card-reading Window	Two	**Opening Speed**	30-45persons per minute
Protection function	Infrared anti-pinch,Break-in alarm function		

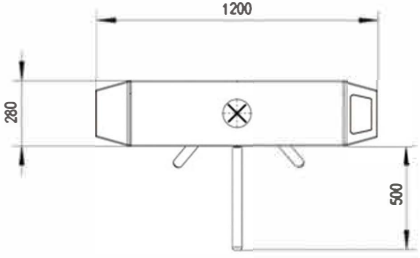
Tripod Turnstile Series

Model NO.:DS-GZ002

Tripod Turnstile Series

Parameters Description





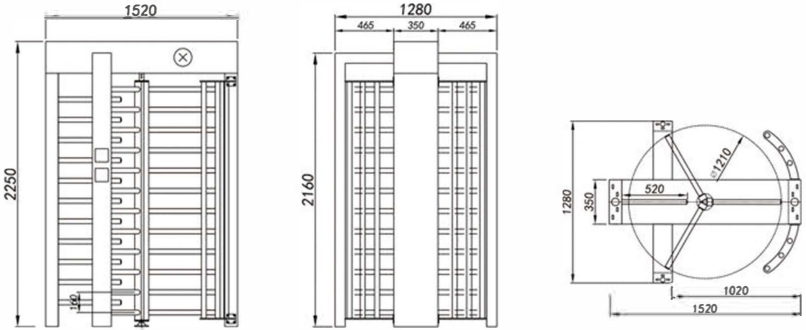
Cabinet Material	304 Stainless Steel	**Direction**	Bi-directional
Dimensions	1200*280*980mm	**Service Life**	5million times
Weight	50KG	**Operating Temperature**	-25℃ ~ +60℃
Arm Length	⩽510mm	**Related Humidity**	⩽90%RH
Passage Width	⩽550mm	**Communication Interface**	TCP/IP
Opening Signal	Relay	**Power Rate**	90W
Material Thickness	1.5mm	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Card-reading Window	Two	**Opening Speed**	30-45persons per minute
Protection function	Infrared anti-pinch,Break-in alarm function		

»Full Height Turnstile Series

Model NO.:DS-FH001

Full Height Turnstile Series«

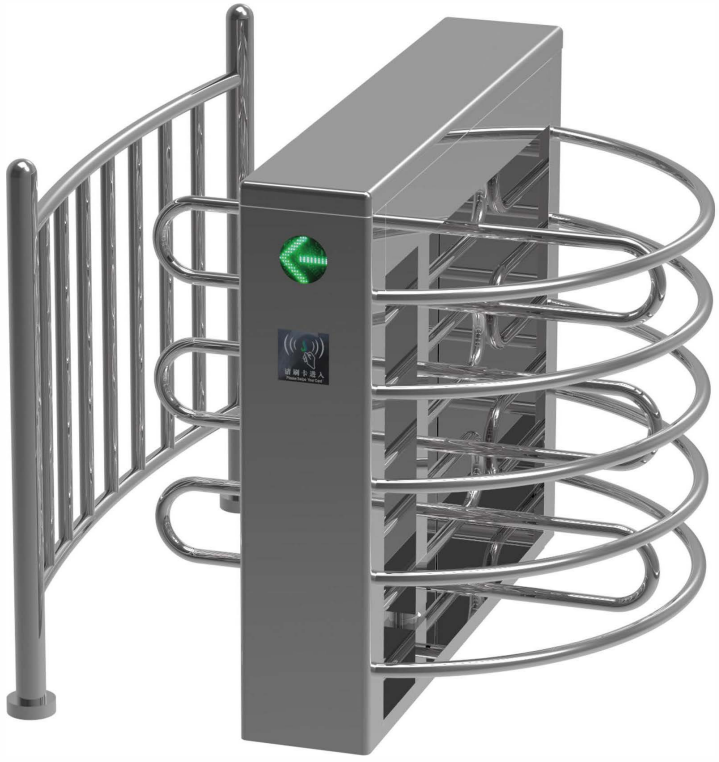
Parameters Description



Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	1350*1500*2300mm	**Direction**	Bi-directional
Weight	150KG	**Service Life**	5million times
Channel	Single	**Operating Temperature**	-25℃ ~ +60℃
Blades	3/4pcs	**Related Humidity**	⩽90%RH
Rod Length	⩽510mm	**Communication Interface**	TCP/IP
Angel	⩽90/120 degree	**Power Rate**	90W
Opening Signal	Relay	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Material Thickness	1.5mm	**Opening Speed**	30-45persons per minute
Card-reading Window	Two		

»Half Height Turnstile Series

Model NO.:DS-HH001



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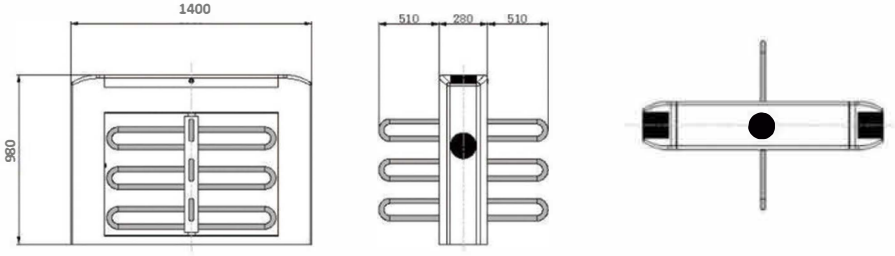


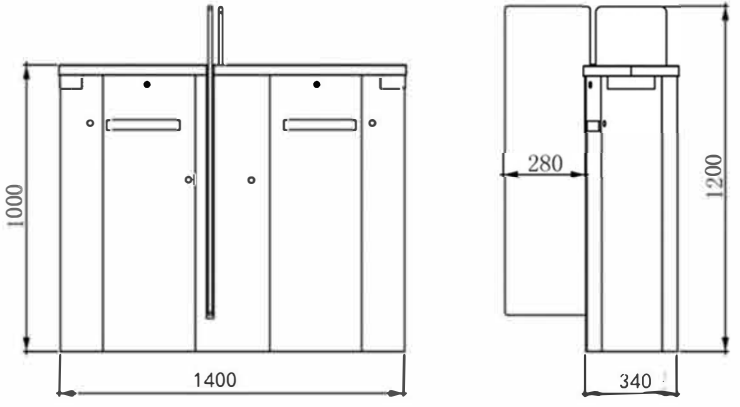
Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	1400*1400*1200mm	**Direction**	Bi-directional
Weight	100KG	**Service Life**	5million times
Channel	Single	**Operating Temperature**	-25℃ ~ +60℃
Blades	3/4pcs	**Related Humidity**	≤90%RH
Rod Length	≤510mm	**Communication Interface**	TCP/IP
Angel	≤90/120 degree	**Power Rate**	90W
Opening Signal	Relay	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Material Thickness	1.5mm	**Opening Speed**	30-45persons per minute
Card-reading Window	Two		

»Sliding Gate Series

Model No.:DS-PY001

Sliding Gate Series«

Parameters Description



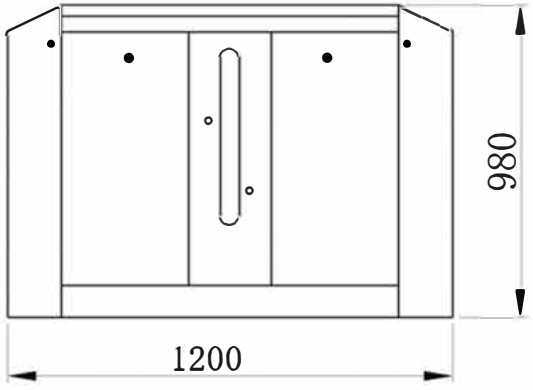
Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	1200*330*980mm	**Direction**	Bi-directional
Weight	70KG	**Service Life**	5million times
Arm Length	⩽300mm	**Operating Temperature**	-25℃～+60℃
Passage Width	⩽600mm	**Related Humidity**	⩽90%RH
Opening Signal	Relay	**Communication Interface**	TCP/IP
Material Thickness	1.5mm	**Power Rate**	90W
Card-reading Window	Two	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Infrared sensor	4Pairs	**Opening Speed**	30-45persons per minute

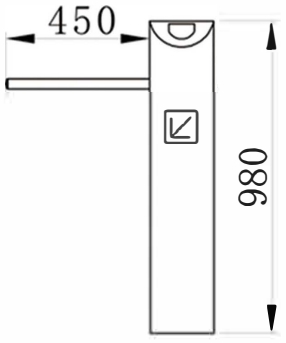
»Drop Arm Gate Series

Model No.:DS-DA001

Drop Arm Gate Series«

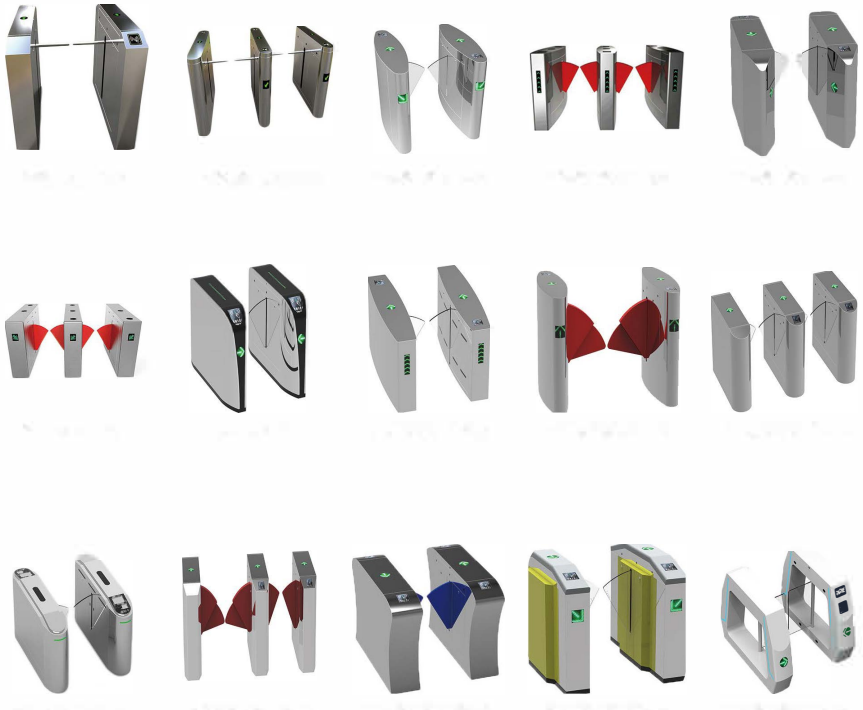
Parameters Description



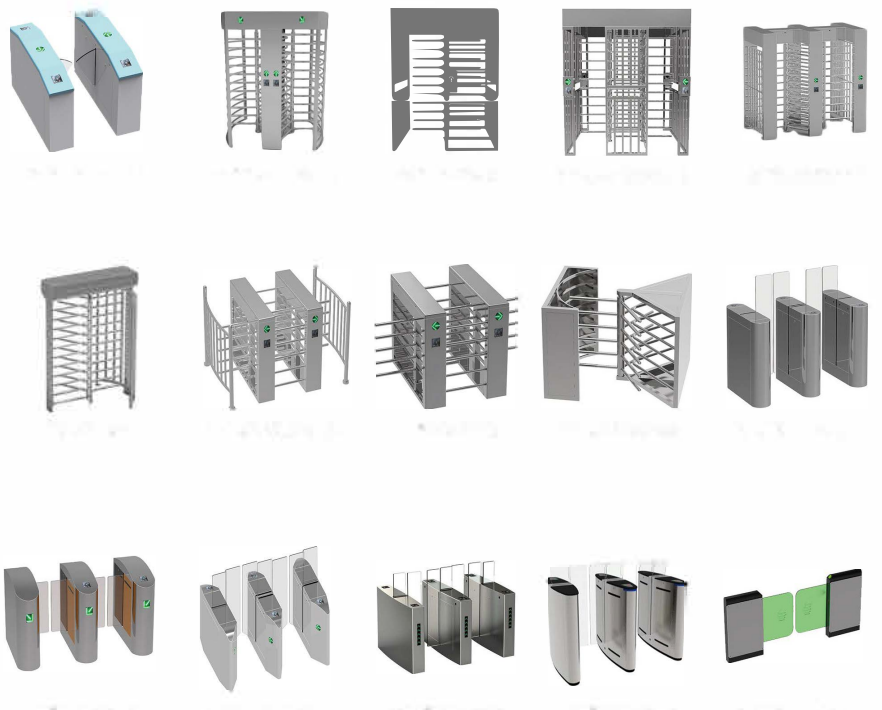


Cabinet Material	304 Stainless Steel	**Protection function**	Infrared anti-pinch,Break-in alarm function
Dimensions	1200*200*980mm	**Direction**	Bi-directional
Weight	55KG	**Service Life**	5million times
Arm Length	<550mm	**Operating Temperature**	-25℃ ~ +60℃
Passage Width	<1200mm	**Related Humidity**	≤90%RH
Opening Signal	Relay	**Communication Interface**	TCP/IP
Material Thickness	1.5mm	**Power Rate**	90W
Card-reading Window	Two	**Power Supply**	AC 220V/110V ±10% 50/60MHZ (optional)
Infrared sensor	3Pairs	**Opening Speed**	30-45persons per minute

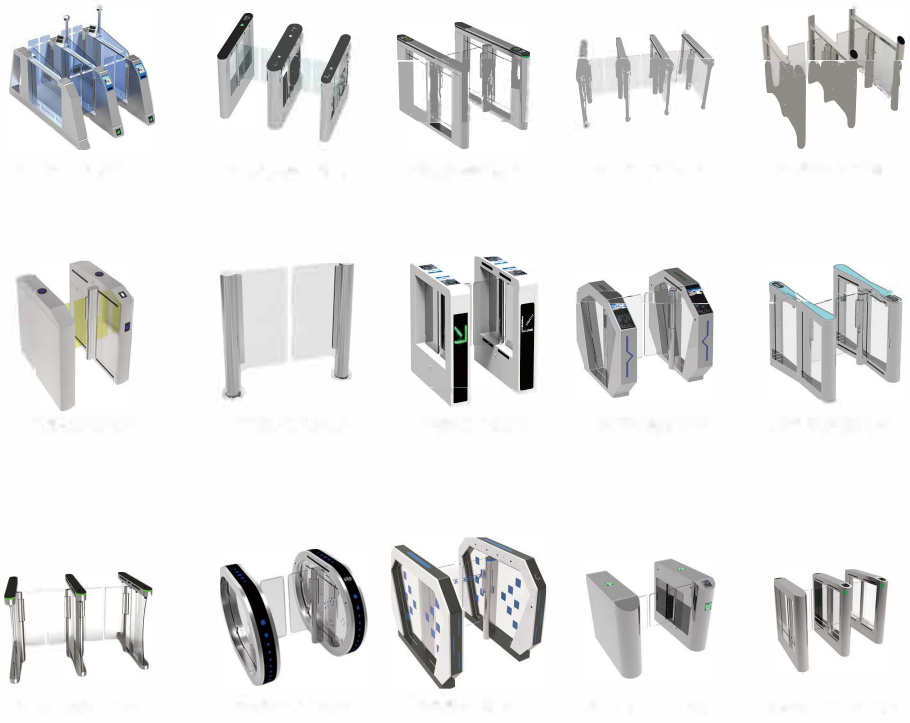
»All Turnstile Models



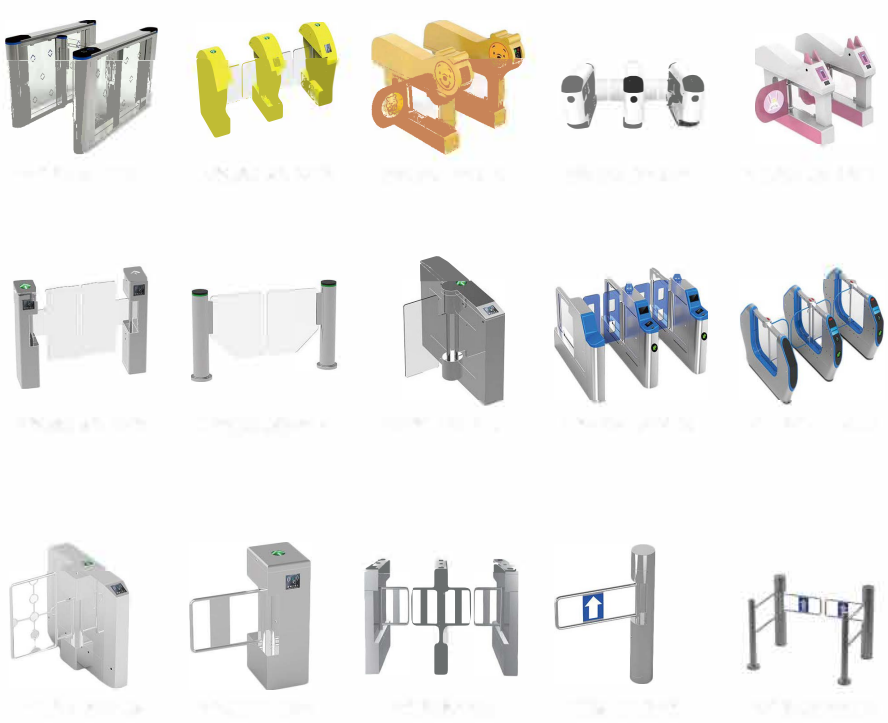
All Turnstile Models«

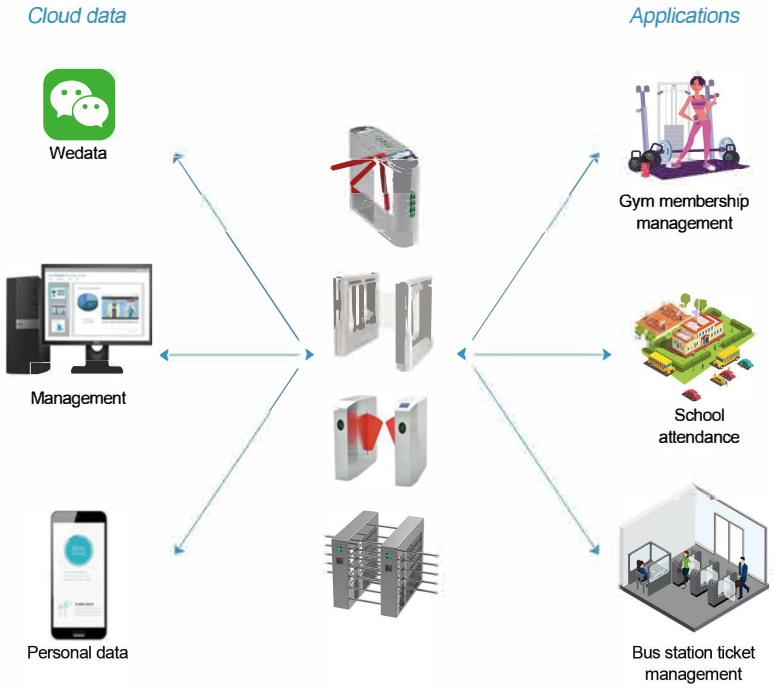


»All Turnstile Models



All Turnstile Models«



All Turnstile Models

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- Communicating and data interchange
- Intergrate multi management software
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