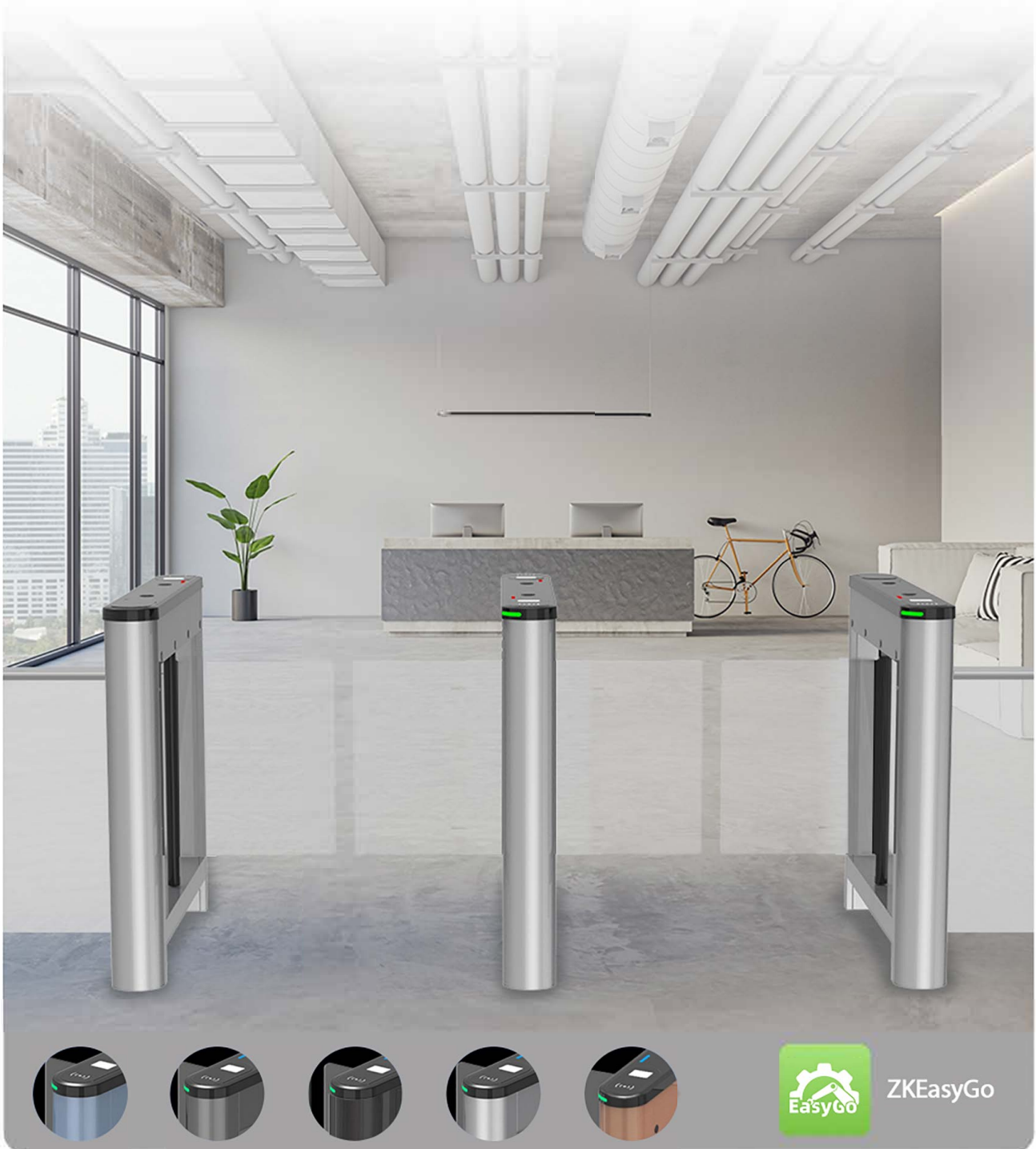# Saturn Series

Secure Smart Entrance Control with Vibrant Hues
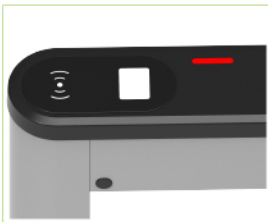
ZKTeco

RFID

ZKEasyGo

Introduction

Unveiling the ZKTeco Saturn Series, an innovative speed gate designed for an paralleled passage experience. With its sophisticated design, the Saturn Series is available in range of striking colors including Pearl Silver, Space Gray, and Bay Blue, Mist Brown and Carbon Black, making it blends seamlessly with both indoor and outdoor applications.

Crafted from durable SUS304 stainless steel, the chassis features an integrated cover molding process and boasts an IP56 protection rating, ensuring exceptional resistance to water and dust. The authentication area is enhanced with 2.5D tempered glass, offering superior scratch and wear resistance. The Saturn Series accommodates various credential options, including single lane and dual swing configurations, with support for facial recognition, QR codes, and multi-tech cards. Equipped with a Bluetooth module, the Saturn Series allows for convenient parameter adjustments via mobile devices, streamlining setup and operation. Additionally, it features four pairs of infrared sensors for dual pinch protection, enhancing safety with locked positions and automatic barrier opening during emergencies.

Modular Design, Lid Options Authentication Methods

- RFID Recognition
- Facial Recognition
- QR Code

2.5D Tempered Glass

The identification area is embedded with 2.5D tempered glass, which is scratch-resistant, anti-detachment, wear-resistant, and effectively recognizable.
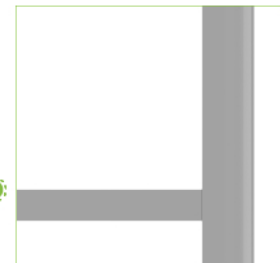
Multi-perspective LED Visual Indicator

Equipped with visually striking indicator lights, providing an outstanding interactive experience for users.

Classic Rounded Arc Design

Prevents bumps and scratches, creating an ultimate comfortable passage experience.

Suspended Bottom Beam Design

The innovative suspended bottom beam design accommodates various installation surfaces.

Key Features

Innovative Aesthetics

The Saturn series is available in an array of contemporary colors, including Pearl Silver, Space Gray, Bay Blue, Mist Brown and Carbon black.

Durability

The lid is made using an integrated molding process, achieves an IP56 protection rating, offering robust defense against water and dust. The product is designed to thrive in extreme conditions, maintaining functionality after an 8-hour period in sub-zero temperatures as low as -30℃.

Material Innovation

The outer surface is treated with electrostatic spraying, which ensures excellent adhesion and prevents paint from dripping. This treatment also aids in thermal regulation, preventing surface burns due to high temperatures. The identification area is elegantly embedded with 2.5D tempered glass, which is resistant to scratches and wear, enhancing the clarity of the identification process.
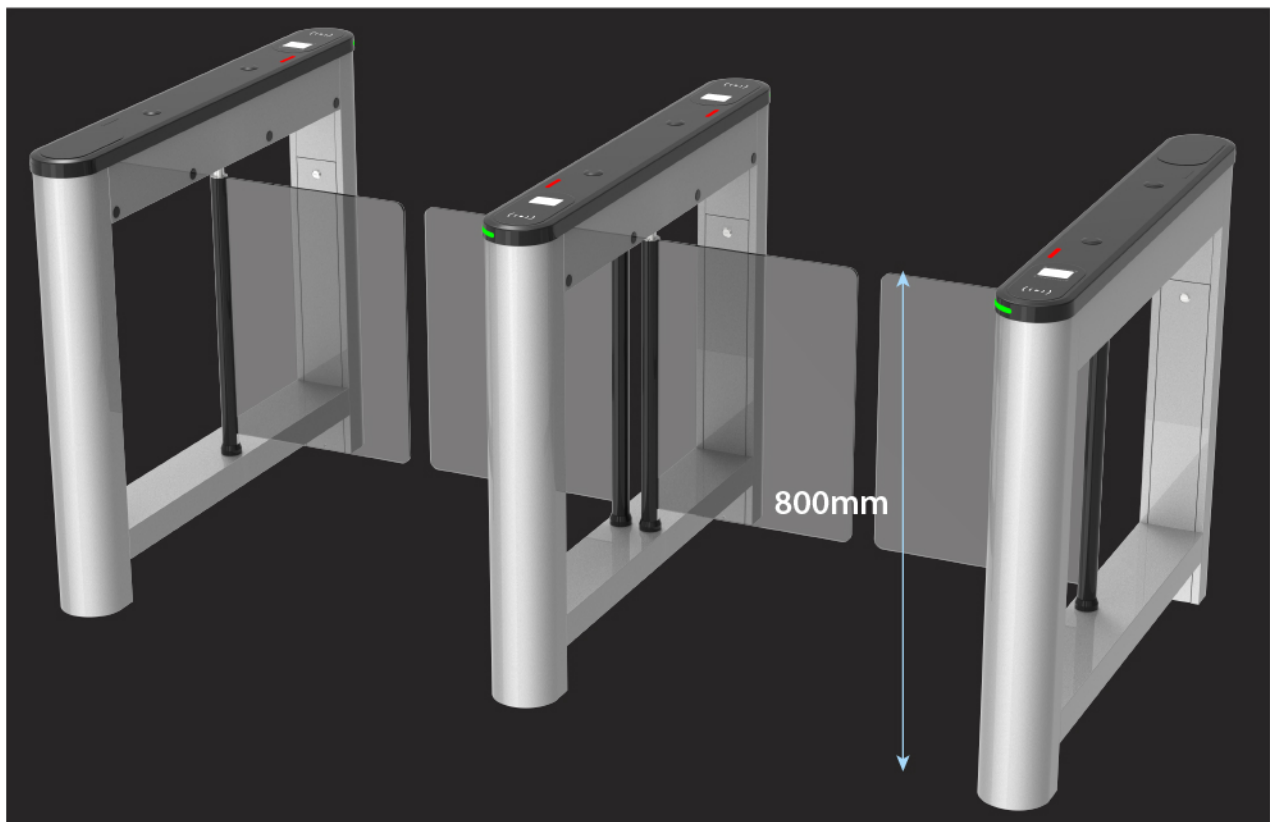
Ergonomic Design

The Saturn series is equipped with a Bluetooth module, that allows seamless parameter adjustments for enhanced convenience and faster setup. The innovative suspended bottom beam design accommodates various installation surfaces, while the 5mm thick fixed base plate ensures a stable and secure installation.

Safety and security

Safety features include a swing arm with the upper edge is more than 800mm from the ground and the lower edge is less than 200mm, allowing normal operation even when submerged in water up to 0.8m , effectively preventing unauthorized crossings. Additionally, the Saturn series is fortified with 4 pairs of infrared sensors for double anti-crushing protection and a leakage protection switch to protect against electrical hazards.

800mm

Key Features

Model	Saturn-1000
Visual Indicator	Steady green = normal use Steady red = door closing
Audio Indicator	Internal buzzer
Display	/
Lane Type	Single lane; Dual Swing
Lane Width	550mm (Standard) 900mm (Optional)
Barrier Movement Type	Swing
Motor	DC brushless motor
Movement Speed	0.6s to 10s per movement (Adjustable open/close timing)
Lid Material	Acrylic+2.5D Tempered glass
Lid Options Authentication Methods	Streamlined under mount options: Fingerprint/QR Code/Facial Recognition/RFID
Chassis Material	SUS304 Stainless Steel / Q235A / PC
Chassis Colour	Pearl Silver, Space Gray, Carbon Black, Bay Blue, Mist Brown
Door Leaf Material	Acrylic
Barrier Width	300mm/ 325mm/ 350mm/ 375mm/ 400mm/ 425mm (Customizable)
IR Sensors	4 pairs
Motherboard Function	System configuration, access control, Bluetooth control
Motherboard Communication	Fire alarm port (relay)*1, RS485 port*1,
Credential Options	Under mount RFID reader: (support model: Pro ID Series, KR Series) Under mount fingerprint reader: FR1200/FR1500
Flow Rate	Facial Recognition: 15 passengers per minute QR Code: 30 passengers per minute RFID: 35 passengers per minute
Footprint	1200 * 150mm
Accessibility	Adult, children, disability
Power Supply	220V ±10% AC @50H
Fire Signal	Input for voltage free contact
Noise Level	Less than 60dB
MTTR	Less than 60 minutes
MCBF	3 million

Dimension	1200 * 150 * 980 mm (L * W * H)
Operating Temperature	-30 ℃ to 70 ℃
Operating Humidity	5% to 90% RH (Non-condensing)
Certifications	CE, FCC
Ingress Protection Rating	IP56 (water and dust resistant)
Supported Software	ZKEasyGo
Safety Features	Voltage free contact input for fire alarm fail state automatic drop arm during power off
Security Features	Anti-tailgating
Product Delivery	Pre-assembled
Application Environment	Indoor / outdoor (if sheltered)
Site Preparation	Flat & level finished floor (base plate in options for unfinished floor)
Dimensions With Packing	1240 * 190 * 1050 mm (±5 mm)
Security Level	Low
Emergency Mode	Support (swing barrier open automatically)
Packing Material	Carton

Color Options
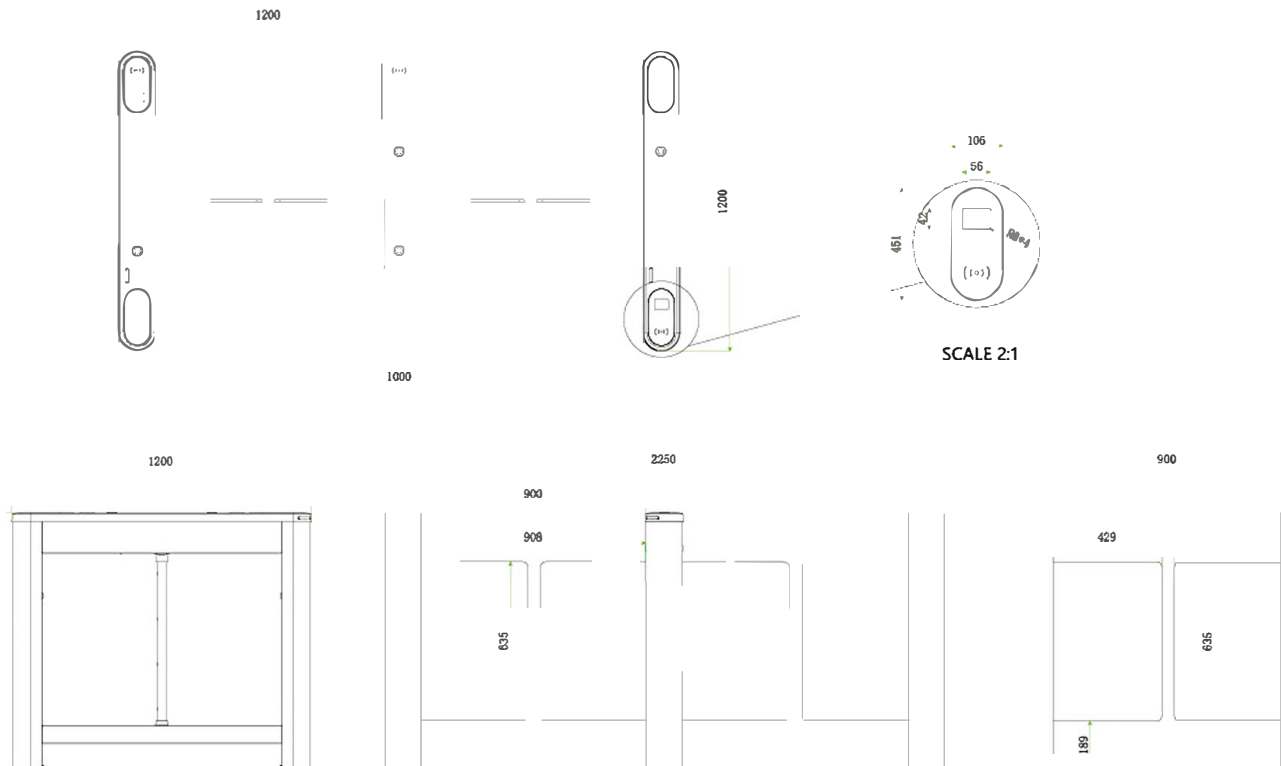
Pearl Silver	Space Gray	Carbon Black

Bay Blue	Mist Brown

Dimensions (mm)

SCALE 2:1

Application Scenarios

Office Building

Conference

Hotel

Station