

Saturn-T1000

Drop Arm Tripod Turnstile

Compatible with

 **ZKBio CVAccess**

Compatible with

 **ZKBio CVSecurity**

Introduction

The Saturn-T1000 is a value-driven drop arm tripod turnstile designed for secure and efficient access control in public and commercial areas. Its cabinet is constructed from cold-rolled SPCC steel (GB700) with powder coating, paired with the SUS304 stainless steel tripod arm to maximize durability.

The pearl white turnstile features a 550mm lane width, supports throughput rate up to 25 persons per minute, and operates quietly at less than 65dB. In emergencies or power outages, the arm drops automatically for safe evacuation. Saturn-T1000 also features bi-directional operation and adjustable arm modes.

Multiple authentication options are available, including facial recognition, RFID and QR code (static and dynamic). The Saturn-T1000 seamlessly integrates with the ZKBio CVAccess and ZKBio CVSecurity for comprehensive security management.



Access Control System

ZKTeco offers multiple access solutions, including RFID, QR Code and biometric authentication. The turnstile is also compatible with third-party systems.



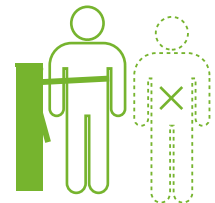
Drop-arm

Safety function always standby, the turnstile will drop arm automatically. It ensures people can easily leave during power outage and in emergency.



Bi-directional

The turnstile supports multiple passage modes, such as one-way free and one-way controlled access. Memory mode enables group passage for multiple users in succession.



Anti-tailgate

Boasting a powerful anti-tailgate function, the tripod turnstile effectively blocks unauthorized tailgating attempts. It's your reliable guardian, guaranteeing smooth, orderly, and fully secure pedestrian movement in any scenario.

Key Features

Protection Disk

The purpose of a protective disc is to safeguard the device against dust, corrosive water vapor, or splashing water, thereby enhancing the durability of the device and reducing maintenance frequency.



Arm Loading

The tripod arm (38mm diameter) is made of SUS304 stainless steel. Featuring an overload protection, the arm will drop to safeguard the turnstile when the load exceeds 80kg.

Waterproof

Passed the self-laboratory test which is equivalent to IPX4 protection rating.

LED Indicator

A built-in LED indicator is present in the identity authentication area. The green indicator represents that you can pass through, while the red indicator shows that you cannot pass in the opposite direction.



Durable

Crafted from cold-rolled steel with a durable powder-coating finish, it offers excellent weather resistance for reliable performance in extreme temperatures and coastal environments.

Easy to set up

Simple design, easy access, and low power consumption.

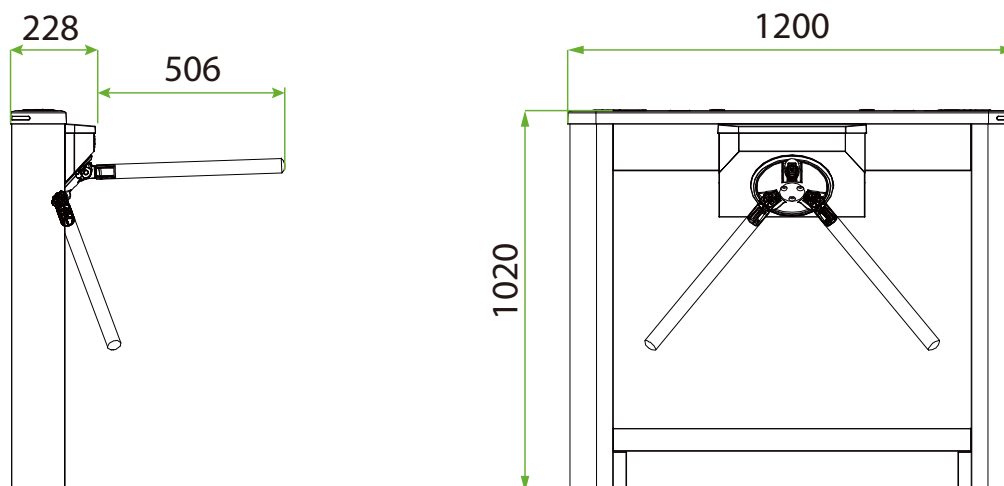


Specifications

Model	Saturn-T1000 Series
Audio Indicator	Buzzer
Visual Indicator	LED Indicator Blue: Standby Green: Access Granted Red: Alarm / Error
Display	N/A
Lane Type	Single lane (Support bi-directional entry / exit lane)
Lane Width	550mm
Barrier Movement Type	Rotating (Tripod)
Motor	Not specified
Movement Speed	N/A
Movement Accuracy	N/A
Clutch	N/A
Lid Material	Polycarbonate + 2.5D tempered glass
Lid Options Authentication Methods	RFID / Facial Recognition / QR code (Dynamic / Static)
Chassis Material	Cold-rolled SPCC Steel (GB700) (with powder coating finishing)
Chassis Color	Pearl White (PWH)
Tripod Rod Material	SUS304 Stainless Steel
IR Sensors	N/A
Motherboard Function	System mode configuration. Access mode configuration
Motherboard Communication	Fire alarm Port (Relay)*1, RS485 port *1
Controller	Access controller Options: C3, InBio series or third-party controller subject to turnstile chassis space.
Credential Options	Post mount Facial Recognition Device: G4 Pro Under mount QR code Reader: QR500 Under mount RFID Reader: ProID10
Flow Rate	Face: 15 Passengers per minute RFID: 25 Passengers per minute QR code: 25 Passengers per minute
Accessibility	N/A
Power Supply	AC 110V~220V, 50/60Hz, DC 12V
Power Rating	Operating: 40W, Standby: 10W
Fire Signal	Input for voltage-free contact
Noise Level	<65dB
MTTR	N/A
MCBF	2 Million
Weight	25kg
Dimensions (L*W*H)	1200*734*1020mm
Dimensions with Packaging (L*W*H)	1300*305*1106mm
Operating Temperature	-20°C to 70°C
Operating Humidity	20% to 80% RH (Non-condensing)

Certifications	CE, FCC
Ingress Protection Rating	Self-laboratory test: equivalent to IPX4
Supported Software	ZKBio CVAccess / ZKBio CVSecurity (Compatible with software only when connected to the control panel)
Safety Features	Auto drop arm during power failure and fire alarm emergency
Security Features	Anti-tailgating
Product Delivery	Pre-assembled
Application Environment	Indoor / Outdoor (If sheltered)
Site Preparation	Flat and level finished floor (optional base plate for unfinished floors)
Security Level	Middle
Emergency Mode	Drop arm function engages during power outage or fire alarm events
Packing Material	Carton box

Dimensions (mm)



Application Scenarios



School



Museum



Factory



Gym

