

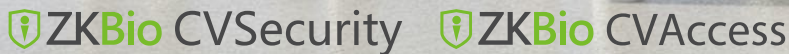


Saturn-T1000 Pro

Motorized Tripod Turnstile

Effortless Passage & Weatherproof Performance

Compatible with



Compatible with



Introduction

The **Saturn-T1000 Pro** is built for reliable entrance and exit management. Powered by a smooth brushless-motor drive, it delivers fast, frictionless bi-directional passage with gentle-touch rotation and clear LED guidance, creating a smooth flow for users while enforcing strict lane discipline and anti-tailgating control. Its housing, constructed from 1.0mm electro-galvanized steel with a baked enamel finish and an integrated molded top cover, offers a compact profile that resists rust and stands up to daily wear. With an IPX4 ingress protection rating, the Saturn-T1000 Pro performs dependably indoors, under shelter, or fully outdoors.

Supporting multiple authentication methods—including facial authentication, QR code scanning and RFID card verification. The Saturn-T1000 Pro is equipped with the standard electrical interfaces and standard internal wiring, ensuring straightforward deployment across enterprise entrances, stations, ports, exhibition centers, and public leisure facilities.



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 operates as a single, configurable lane supporting bi-directional mode, one-way passage mode and one-way lockout mode. Also, a group passage mode allows multiple users to pass consecutively following a single authorization.



Anti-tailgating

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.

Features

- **User-Friendly Passage:** Engineered with a gentle-touch mechanism and intuitive user prompts for smooth access.

- **IPX4-Rated Waterproof Design:** All-direction splash protection, reliable for outdoor, sheltered outdoor and indoor use.
- **RS-485 Communication Interface:** Supports seamless access control system and building management system.
- **Modular Construction:** Facilitates easy maintenance and component replacement.
- **Clean, Standards-Compliant Wiring:** Internal circuits are organized and routed in accordance with international telecommunication standards, ensuring ease of troubleshooting.
- **Power-Off & Anti-Tailgating:** Automatic arm drop during power outage, automatic arm lift when powered, with full anti-tailgating protection.
- **Multimodal Biometric Integration:** Supports facial recognition, QR code scanning (dynamic/ static), and card reading for enhanced security.
- **Flexible Control Options:** Accepts control signals from any external device, buttons, or remote controls for uni- or bi-directional passage.
- **Tri-Color LED Indicators:** Instantly communicates system status with a clear, intuitive lighting system- blue for standby, green for authorized passage, and red for fault detection.
- **Hassle-Free Installation:** Designed for quick and straightforward setup.

Specifications

Model	Saturn-T1000 Pro Series
Audio Indicator	Internal 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
Motor	Brushless DC Motor
Movement Speed	N/A
Movement Accuracy	N/A
Clutch	N/A
Lid Material	Polycarbonate body + 2.5D Tempered Glass Panel
Lid Options Authentication Methods	Streamlined under mount options: RFID / Facial Authentication / QR code (Dynamic / Static)
Chassis Material	Electro-galvanized steel plate, with baked enamel finish. (T=1.0mm)
Chassis Color	Pearl White (PWH)
Tripod Material	SUS304 stainless steel
LiDAR Sensor (dToF technology)	None (standard) ; 2 pcs (optional)
Motherboard Function	Tripod release duration, 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	Under mount RFID reader: (support model: ProID Series, KR Series) Under mount fingerprint reader: FR1200/FR1500S
Flow Rate	Face: 15 Passengers per minute RFID: 25 Passengers per minute QR code: 25 Passengers per minute
Tripod Length	500 mm
Accessibility	Options: Wireless remote control, wired remote control, QR reader
Power Supply	AC 110V~220V, 50/60Hz, DC 12V
Power Rating	Operating: 40W, Standby: 10W
Fire Signal	Input for voltage-free contact
Noise Level	< 65 dB
MTTR	Less than 60 minutes
MCBF	5 million
Weight	Gross weight (25kg) Net weight (30kg)
Dimension(L*W*H)	1200 × 228 × 1020mm
Operating Temperature	-28~60 °C
Operating Humidity	5% to 80% RH (Non-condensing)
Certifications	CE, FCC (pending)
Ingress Protection Rating	IPX4 (self-laboratory test)
Supported Software	ZKBio CVAccess / ZKBio CVSecurity (Compatible with software only when connected to the control panel)
Safety Features	Auto drop arm during power failure or emergency signal, allowing free passage
Security Features	Anti-tailgating
Product Delivery	Pre-assembled
Application Environment	Indoor/ Sheltered-outdoor/ Outdoor
Site Preparation	Flat and level finished floor (optional base plate for unfinished floors)
Dimensions With Packing	1300×305×1106mm (L*W*H)
Security Level	Medium
Emergency Mode	Automatic drop arm during power outage or fire alarm events
Packing Material	Carton(standard), wooden(optional)
Warranty	1 years

Application Scenarios



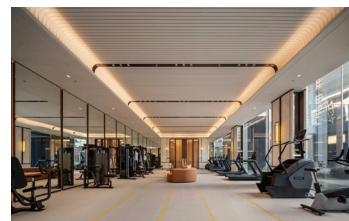
School



Museum



Factory



Gym

Dimensions (mm)

