PRODUCT CATALOGUE

Sept., 2017

Contents

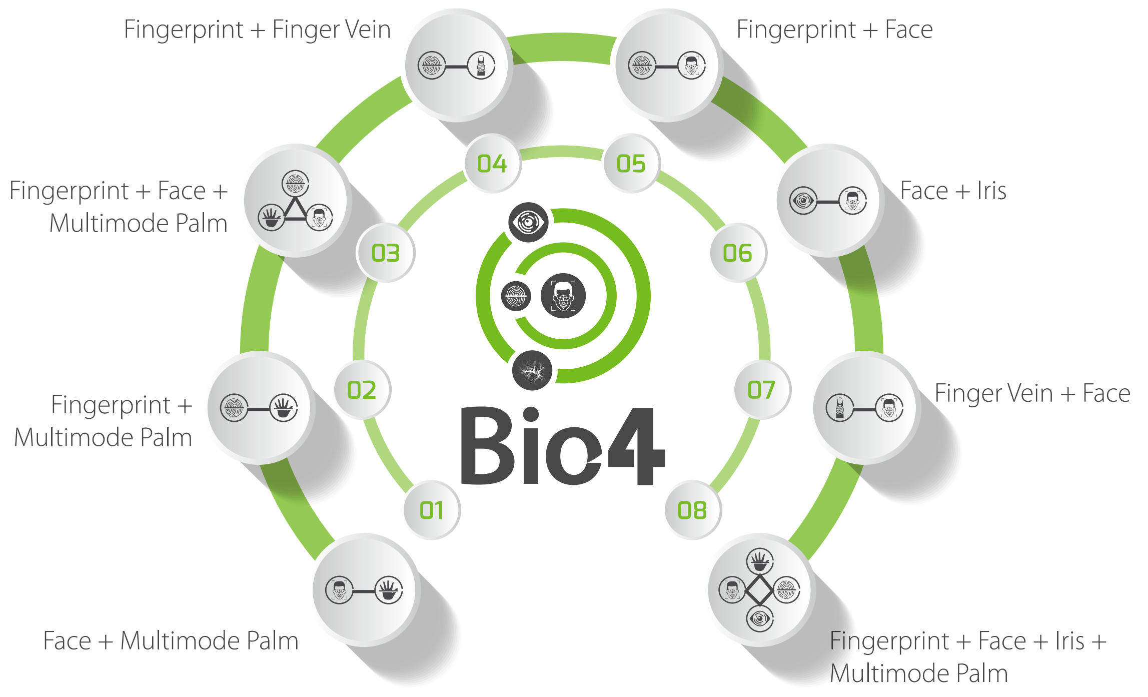
ZKTeco Introduction

ZKTeco, founded in March 1998, is a world-leading enterprise specialized in Hybrid-Biometric Verification technology. ZKTeco currently owns the largest quantity of patents and intellectual property rights in the field, and applies biometric verification technology to smart office, smart financing, smart traffic, and smart security, with a service network covering the entire world. ZKTeco has established an innovation center for hybrid biometric verification technology and Internet of Things in Silicon Valley in the USA, and a research institute for cloud platform, cloud computing, and big data in Europe. ZKTeco also owns a manufacturing center in Dongguan, plus three enterprises and a laboratory specializing in biometric verification algorithms and business operations in the USA. ZKTeco Core Algorithm Laboratory, Smart Verification Laboratory, Northern China Technical Service Center, Global Technical Service Center, and Russia/Japan/South Korea Sales Center have been established in Dalian China. ZKTeco also owns branch offices in every province in China, and over 20 countries including Mexico, Dubai, Thailand, India, Saudi Arabia, South Africa and Malaysia etc. with over 90% foreign employees, with a scale of over 3,000 employees and 1,000 research staff.

With the application of biometric verification technology and big data to smart office, smart security and smart identity verification, ZKTeco is the leading enterprise in the industry. With our innovative O2O service platform, ZKTeco has created a vertical system consisting of research & development, design, engineering, manufacturing, IoT, and Internet service, owning the largest manufacturing base in the industry, and is the first enterprise to provide visitor management, car entrance management and freight management products, solutions and services. ZKTeco has rich experience in fingerprint, finger vein, and face recognition verification, and is a major provider of the identity card, fingerprint algorithm, identification devices and fingerprint modules.

Core Technology

Bio4 HybridBio Verification Technology


Fingerprint + Finger Vein
Fingerprint + Face
Fingerprint + Face + Multimode Palm
Face + Iris
Fingerprint + Multimode Palm
Finger Vein + Face
Face + Multimode Palm
Fingerprint + Face + Iris + Multimode Palm
01
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Bio4

Main Business

ZKTeco's business involves hybrid-biometric identity card verification and O2O products and solutions, enterprise big data solutions, visitor management, car entrance management, and freight management with enterprise hybrid-biometric security platform.

Application

Smart Education

Smart Building

Identity Verification

Smart Finance

Smart Office

Smart Security

ZKTeco Strength

Almost 1000 R&D engineers

More than 500 sales people

More than 200 foreign employees

More than 500 technical consultants

More than 1000 workers

50+ Global Branch Offices

20+ Global Exhibition

3500+ Global Signed Clients

ZKTeco Alliance

zigbee alliance member

fido alliance member

CBA

PSIA

SAC/TC100 /SC2

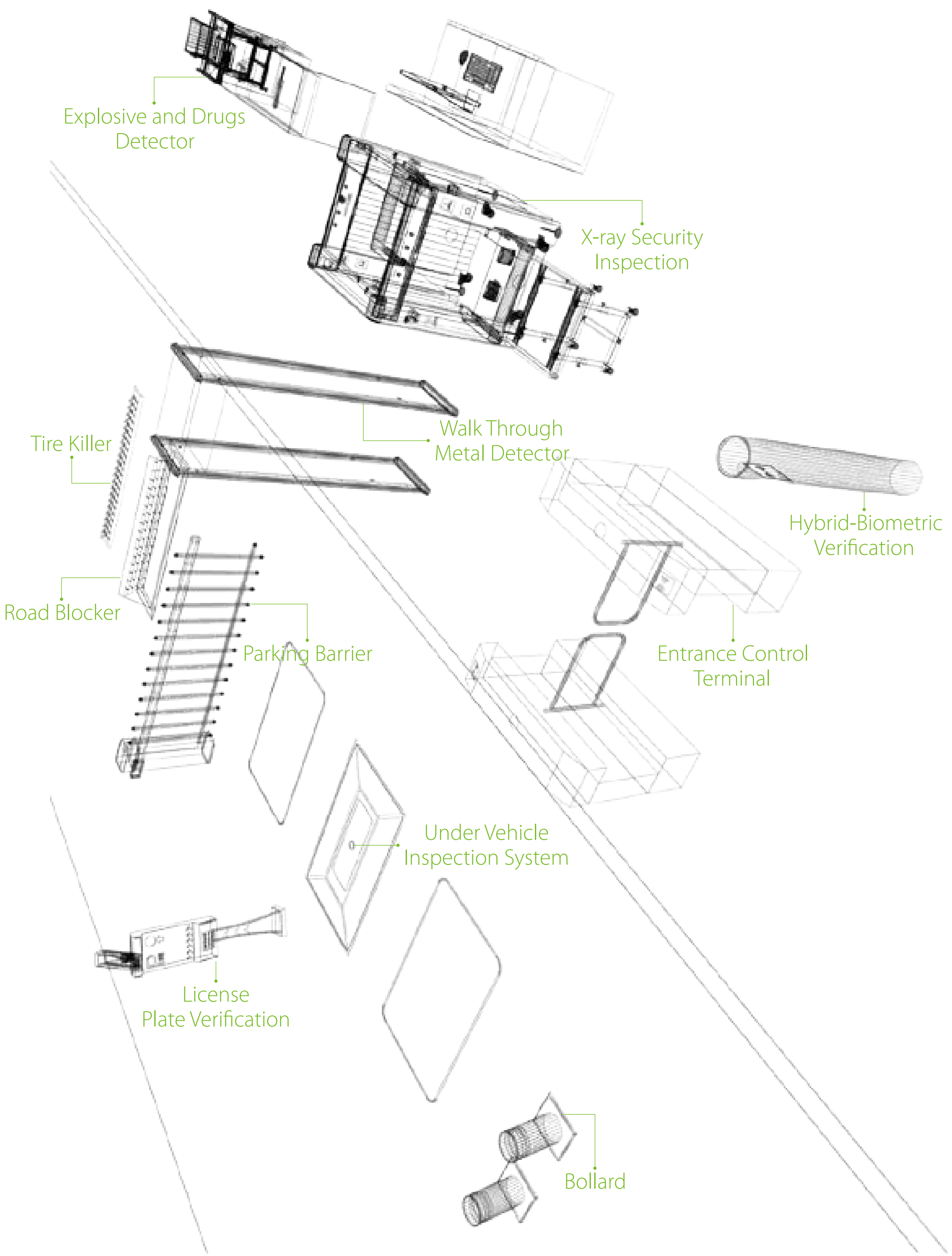
NITS/SC37

Security Inspection

ZKTeco's security inspection products offer a dependable and flexible intelligence security solution. We build a comprehensive security system to protect your entrance security, including People Inspection, Freight Inspection and Vehicle Inspection.

ZKTeco Entirety Checkpoint Security Solution

ZKTeco Entirety Checkpoint Security Solution offers identity verification that based on comparison between face and ID card photo. The inspection for car bottom and freight is offered as well. Meanwhile, all data such as X-ray scanning image, car bottom image and identity information would be uploaded to one server for easier tracing.


Explosive and Drugs Detector
X-ray Security Inspection
Tire Killer
Walk Through Metal Detector
Hybrid-Biometric Verification
Road Blocker
Parking Barrier
Entrance Control Terminal
Under Vehicle Inspection System
License Plate Verification
Bollard

X-ray Security Inspection System

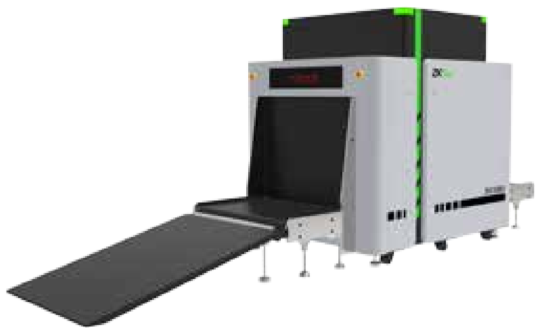
ZKX series X-ray security inspection system increases the operator's ability to identify potential threats. The device is designed to scan briefcases, carry-on baggage and small cargo parcels.

ZKX series use reliable high quality X-ray generator. With the superb image algorithm, ZKX series could offer clear scanning image, which allows operators to identify potential threat items visually.

Description:

ZKX10080

- Large tunnel size for aviation registered luggage.
- Innovative fingerprint identification.
- High resolution True-color scanning image display.
- Module design, convenient to maintenance.



ZKX6550D

- Dual view scanning image.
- High resolution True-color scanning image display.
- Widely usable for carry-on baggage.
- Innovative fingerprint identification.

ZKX5030

- High resolution True-color / Pseudo-color scanning image display.
- Widely usable for carry-on baggage.
- Excellent, ergonomic industrial design.

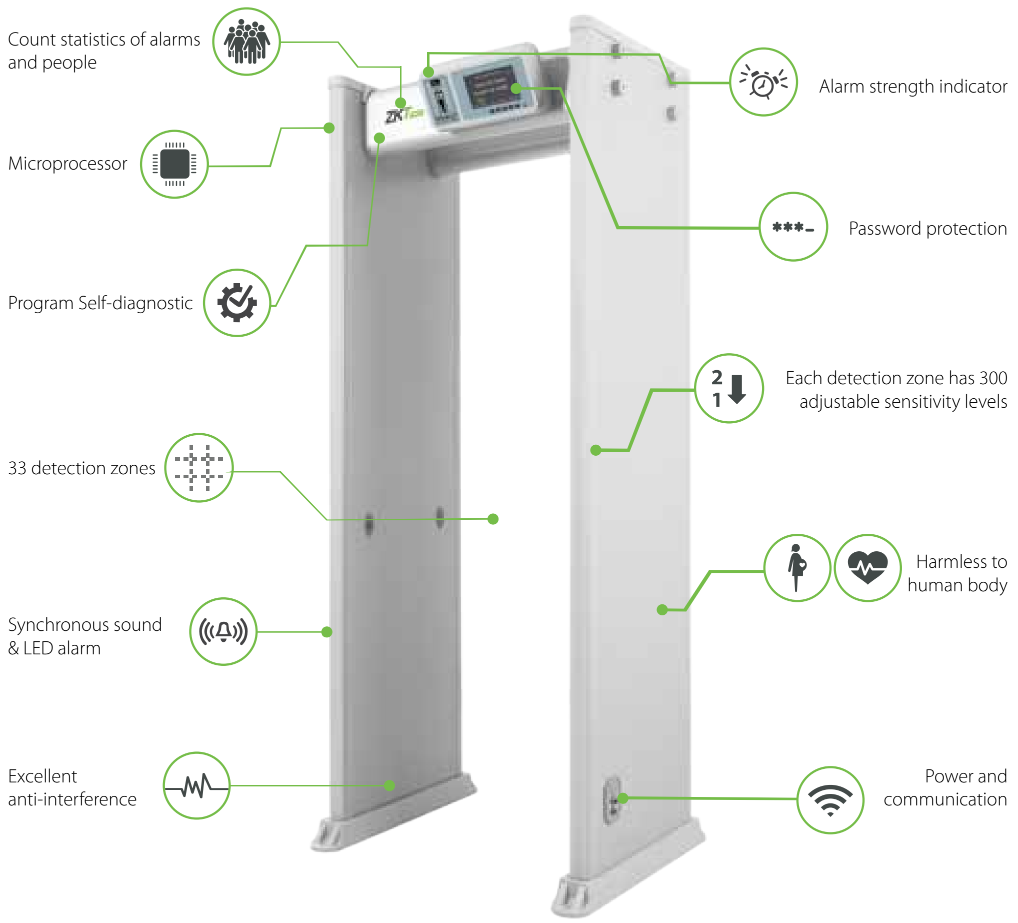
ZKX6550

- Innovative fingerprint identification.
- High resolution True-color scanning image display.
- Widely usable for carry-on baggage.

Walk Through Metal Detector

ZK-D4330

- Multi-Detection zones with 300-level sensitivity.
- WIFI Network connection.
- Excellent anti-interference.
- Facial Verification Module.


Count statistics of alarms and people
Microprocessor
Program Self-diagnostic
33 detection zones
Synchronous sound & LED alarm
Excellent anti-interference
Alarm strength indicator
Password protection
Each detection zone has 300 adjustable sensitivity levels
Harmless to human body
Power and communication

ZK-D3180S

- 18 detection zones.
- 256-level sensitivity adjustable.
- Remote control.
- Synchronous Sound & LED alarm.

ZK-D2180S

- 18 detection zones.
- 256-level sensitivity adjustable.
- 3.7" LCD display.
- Synchronous Sound & LED alarm.

Hand Held Metal Detector

ZK-D180

- Concise design, convenient and portable.
- Ultra-high sensitivity to detect a staple.
- Recharge allowable, also support 9V dry battery.

Liquid Explosive Detection

Description:

It is a security instrument specially used for the detection of flammable and explosive liquid. It applies quasi-static computer tomography technology to measure the dielectric constant and conductivity of the measured liquid, and then determine if it is flammable and explosive. The detector can distinguish liquid explosives, gasoline, acetone, ethanol, thinner as well as other flammable and explosive liquids from water, cola, milk, fruit juice and other safe liquids without direct contact with liquid.

ZK-LD800 & ZK-LD5000

- Desk-type and Hand-type
- Liquid nature can be judged regardless of container material.
- Could detect the liquid that minimum capacity of 50ml
- Data can be exported through USB interface

Explosives & Drug Trace Detection

Description:

It can detect whether there is any explosive, drug or prohibited chemical contained in the detected object without opening the outer package of the detected object (trace detection). It is mainly used by airports, police, customs, prisons, public security organs, and government key departments for security check.

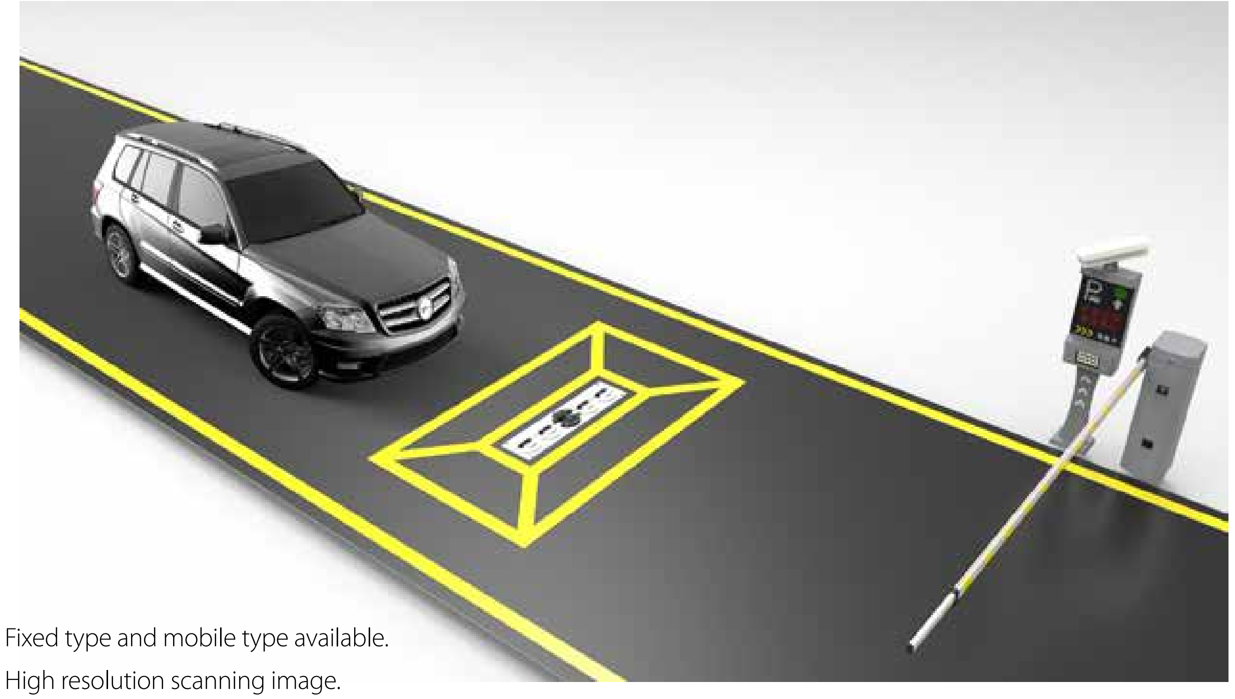
Long-distance explosive and drug locator. Long-distance explosive detector is used in airports, stations, customs, public security organs, militaries, borders, ports and wharfs, power stations, coal mines, hospitals, schools, and public places for large-scale activities, matches and others to detect explosives, and can accurately detect TNT, DNT, Tetry, PETN, HMX and other military explosives.

Features:

- No radioactive source, safe and convenient.
- Accurately analyze drugs and explosives within 10 seconds.

Under Vehicle Inspection System

It is mainly used for the bottom check of various vehicles, can quickly and accurately detect vehicle bottom for explosives, weapons, suspicious items, illegal immigration, smuggling people, etc., has quicker and more accurate identification than traditional methods (such as hand-held mirror, etc.).



- Fixed type and mobile type available.
- High resolution scanning image.
- Quicker and more accurate.

Bollard

Description:

Bollards are traffic security equipments which include fixed and active protection piles. They are either pasted with yellow-black or red-white reflection films. They are sprayed with coats and their bottoms are screw-fixed or steel nail-fixed on ground. The bollards are suitable for applications including exits, highway maintenance, hotels, residential areas, sports grounds, dangerous areas and road construction sections.

Features:

- Selectable diameter, could be used under -35℃ to 37℃
- Two security levels available.

Road Blocker

Road blocker is designed to provide security for troops, prisons, road gates, warehouses, wharfs and other key prevention departments, to prevent unauthorized vehicles entering, with high practicality, reliability and security. For turnover-type single-sided road blocker, it can either have spearheads or not have spearheads.

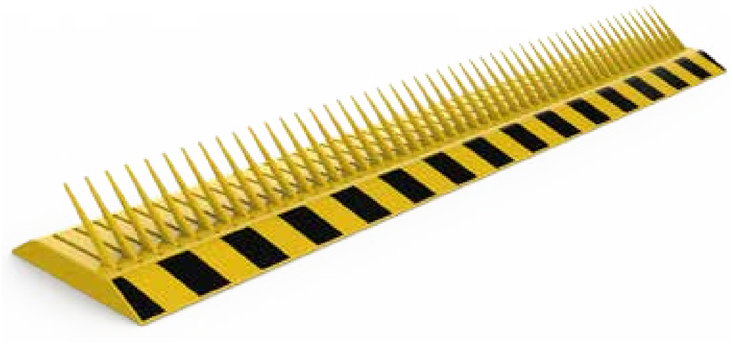
Tire Killer

Description:

It is a tire-shredder vehicle stopper driven by hydraulic power device and acting through wireless remote control or wire control. It can be used for some key security places for anti-terrorisms.

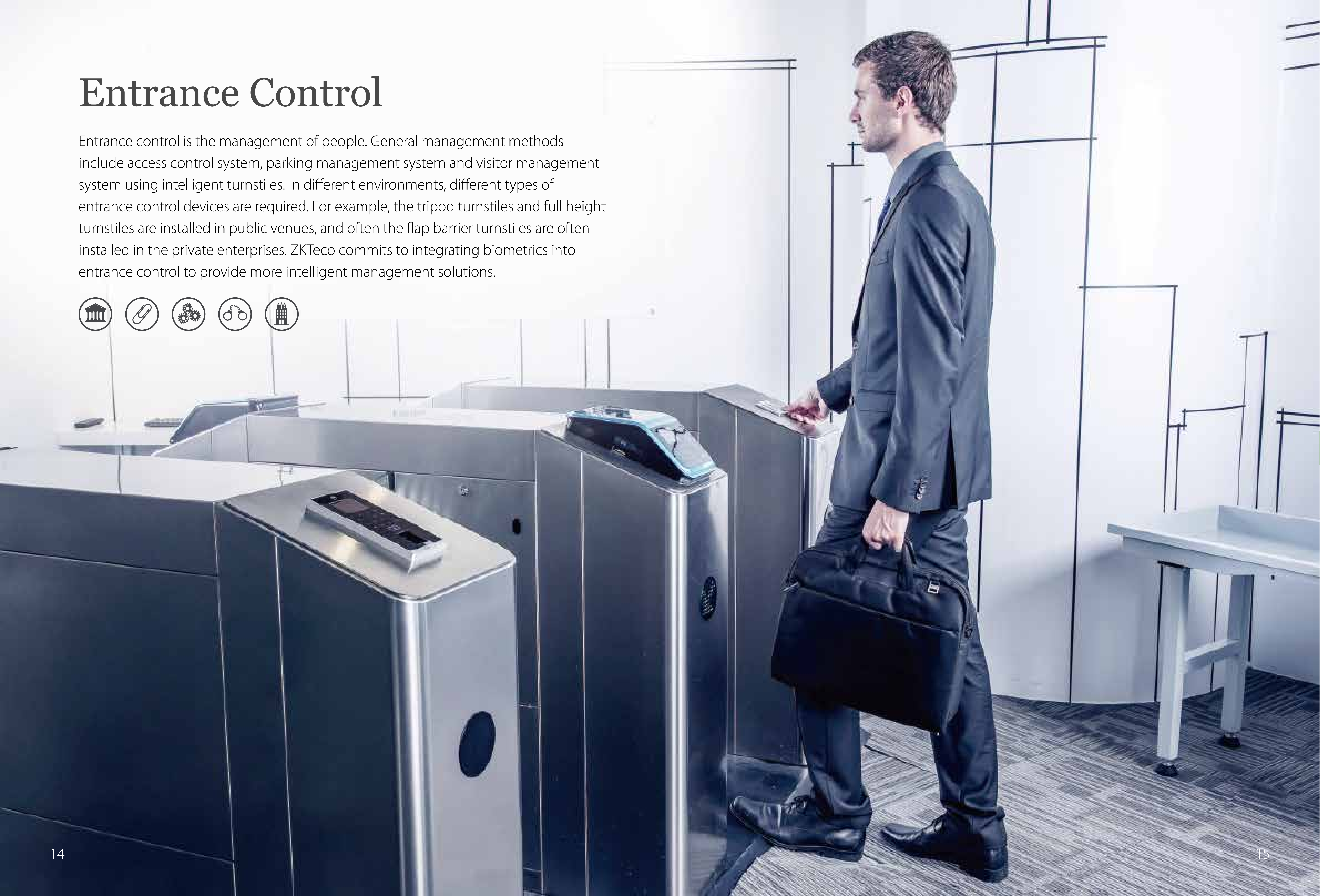
Features:

- Selectable diameter, could be used under -35℃ to 37℃
- Two security levels available.



Entrance Control

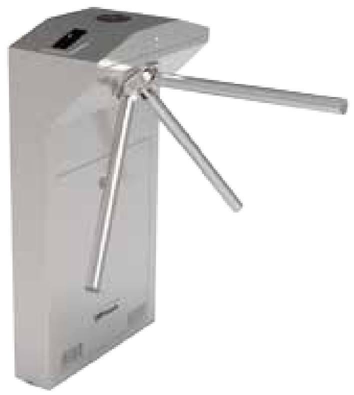
Entrance control is the management of people. General management methods include access control system, parking management system and visitor management system using intelligent turnstiles. In different environments, different types of entrance control devices are required. For example, the tripod turnstiles and full height turnstiles are installed in public venues, and often the flap barrier turnstiles are often installed in the private enterprises. ZKTeco commits to integrating biometrics into entrance control to provide more intelligent management solutions.



Tripod Turnstile

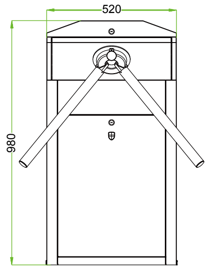
Features:

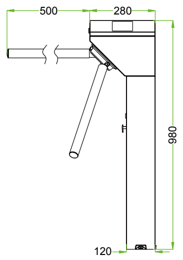
- Casework and tripod arms manufactured in SUS304 stainless steel.
- Alloy steel tripod hub prevents mechanical wearing.
- The electromagnets are in standby mode when the device is idle.
- Drop arm designed for emergency purpose.

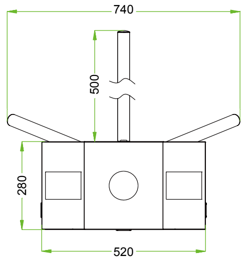


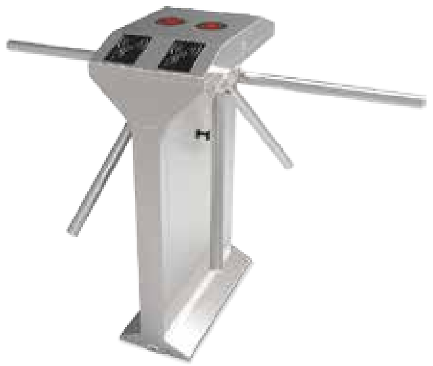
TS1000

- TS1011: With controller and RFID reader
- TS1022: With controller and fingerprint & RFID reader



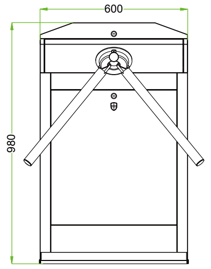


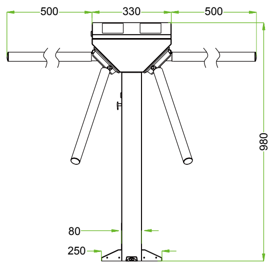


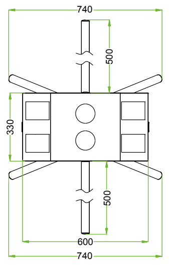


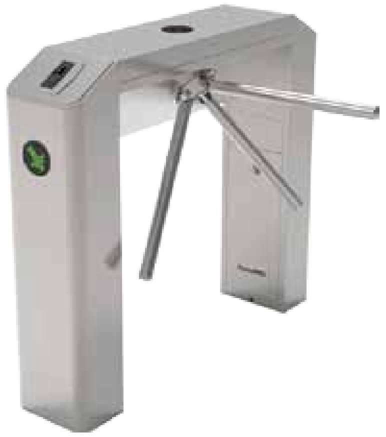
TS1200

- TS1211: With controller and RFID reader
- TS1222: With controller and fingerprint & RFID reader



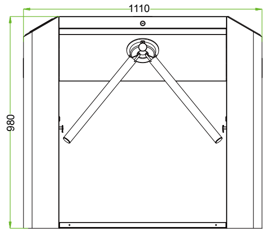


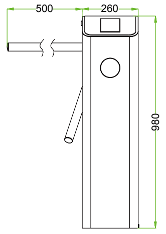


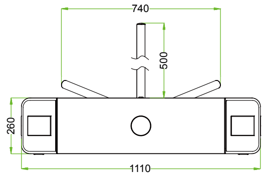


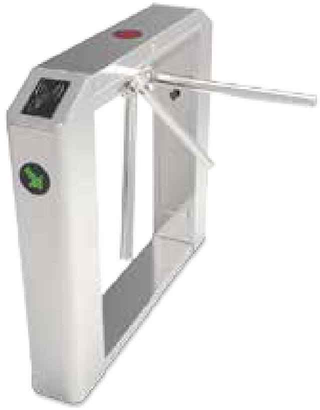
TS2000

- TS2011: With controller and RFID reader
- TS2022: With controller and fingerprint & RFID reader



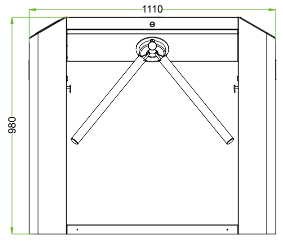


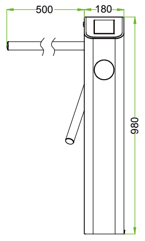


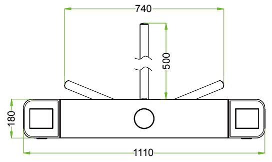


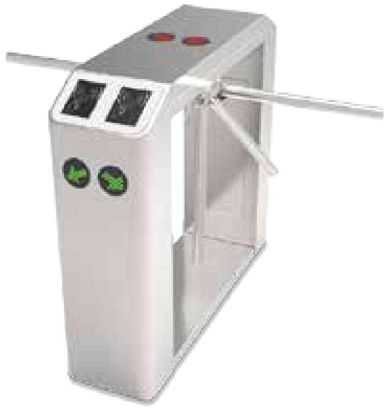
TS2100

- TS2111: With controller and RFID reader
- TS2122: With controller and fingerprint & RFID reader



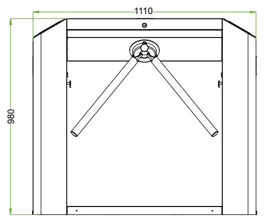


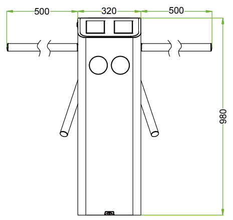


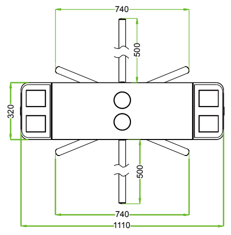


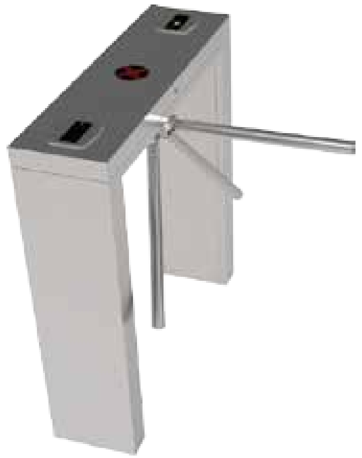
TS2200

- TS2211: With controller and RFID reader
- TS2222: With controller and fingerprint & RFID reader



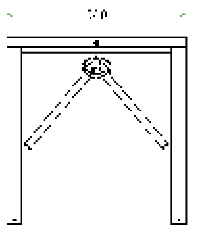


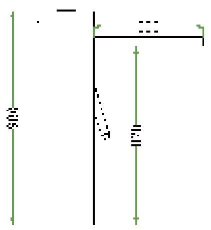


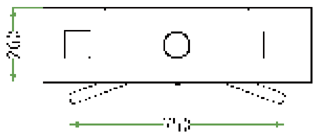


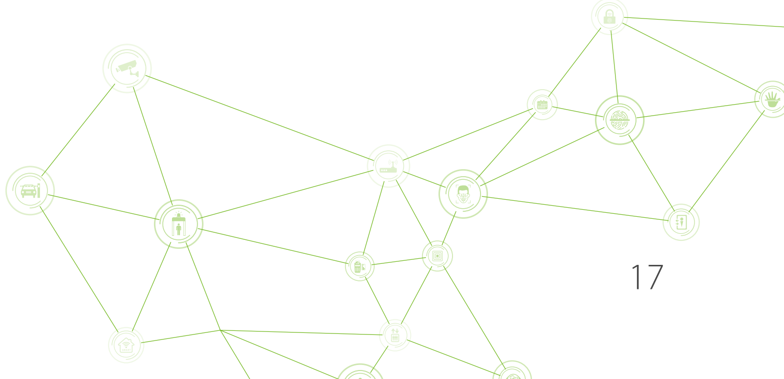
TS3000

- TS3011: With controller and RFID reader
- TS3022: With controller and fingerprint & RFID reader









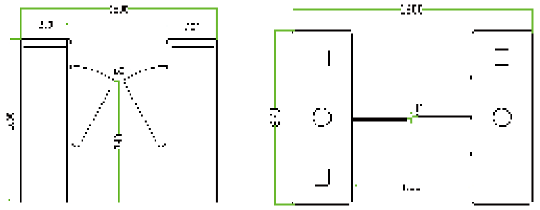
Flap Barrier Turnstile

Features:

- Attractive, delicate stainless steel and glass elements.
- High passage frequency and optimum personal protection.
- Smooth running performance.
- Convenient, direct passage, even with luggages.

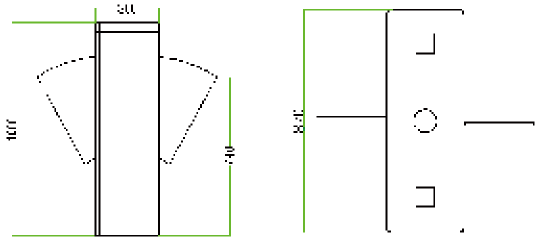
FBL1000

- FBL1011: With controller and RFID reader
- FBL1022: With controller and fingerprint & RFID reader



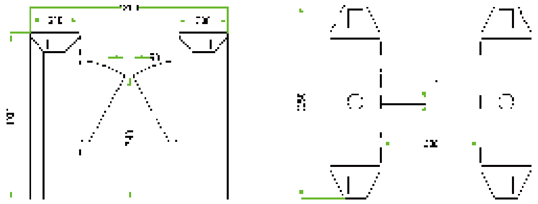
FBL1200

- FBL1211: With controller and RFID reader
- FBL1222: With controller and fingerprint & RFID reader



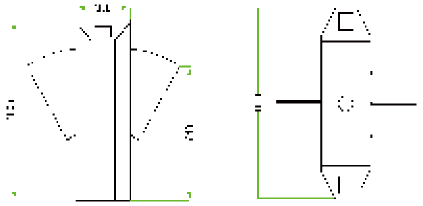
FBL2000

- FBL2011: With controller and RFID reader
- FBL2022: With controller and fingerprint & RFID reader



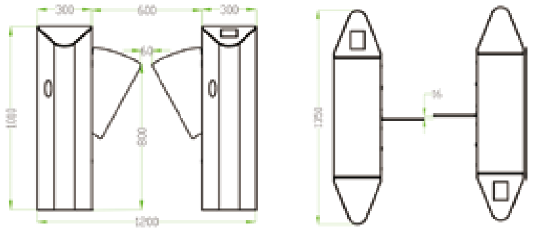
FBL2200

- FBL2211: With controller and RFID reader
- FBL2222: With controller and fingerprint & RFID reader



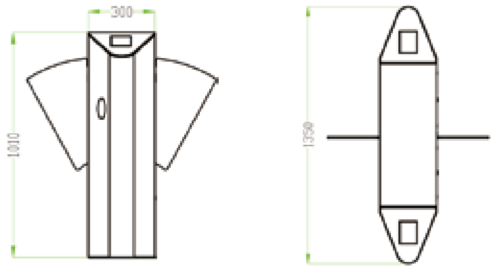
FBL4000

- FBL4011: With controller and RFID reader
- FBL4022: With controller and fingerprint & RFID reader



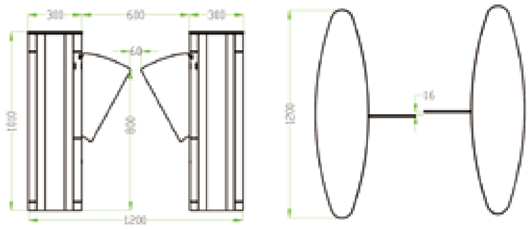
FBL4200

- FBL4211: With controller and RFID reader
- FBL4222: With controller and fingerprint & RFID reader



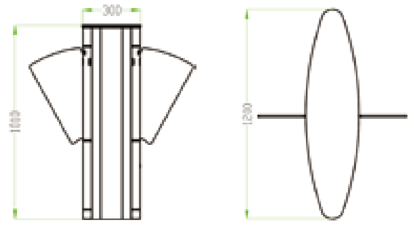
FBL5000

- FBL5011: With controller and RFID reader
- FBL5022: With controller and fingerprint & RFID reader



FBL5200

- FBL5211: With controller and RFID reader
- FBL5222: With controller and fingerprint & RFID reader

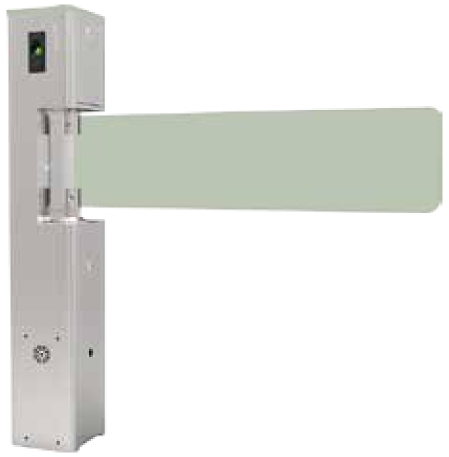


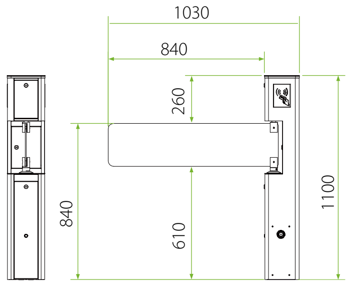
Features:

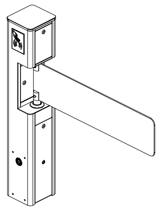
- Attractive and functional stainless steel housing.
- High passage frequency and optimum personal protection.
- Convenient, direct passage, even with luggages.
- Barrier-free access up to 1000 mm width.

SBT1000S

- SBT1011: With controller and RFID reader
- SBT1022: With controller and fingerprint & RFID reader



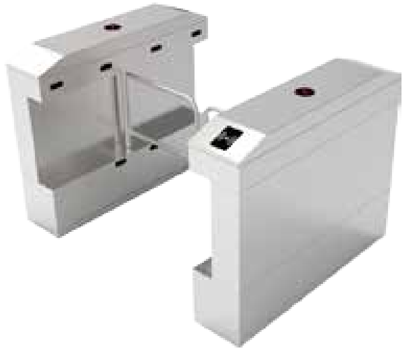


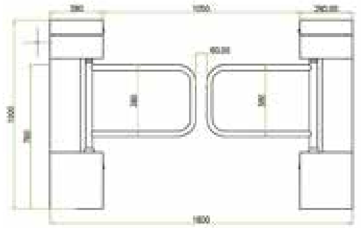


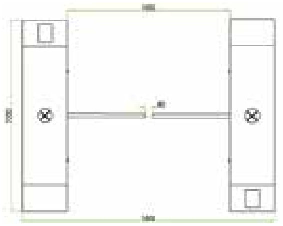
Flap Barrier Turnstile

SBTL2000

- SBTL2011: With controller and RFID reader
- SBTL2022: With controller and fingerprint & RFID reader

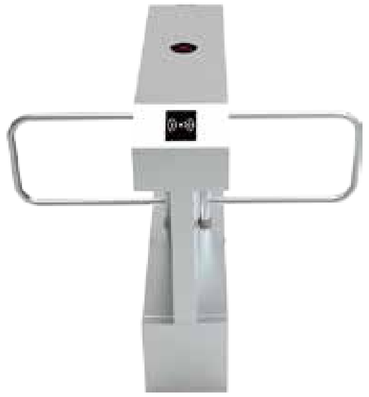


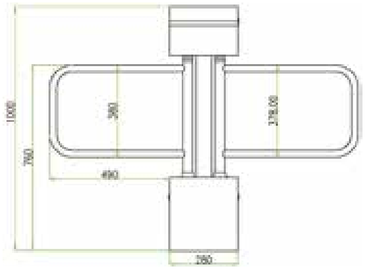


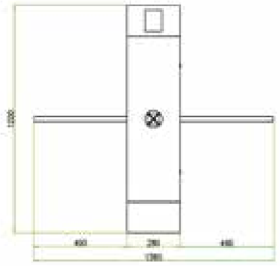


SBTL2200

- SBTL2211: With controller and RFID reader
- SBTL2222: With controller and fingerprint & RFID reader

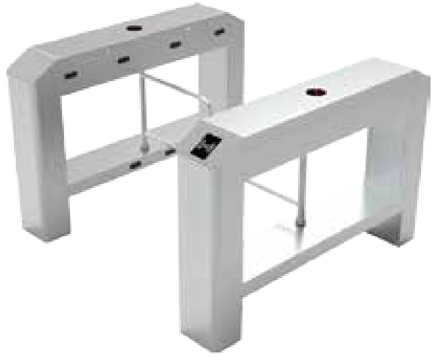


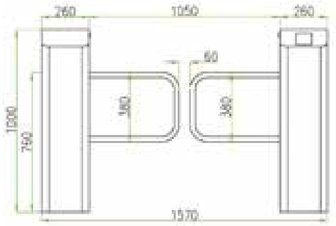


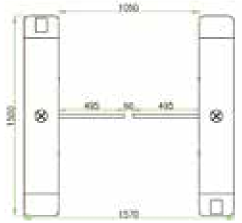


SBTL3000

- SBTL3011: With controller and RFID reader
- SBTL3022: With controller and fingerprint & RFID reader

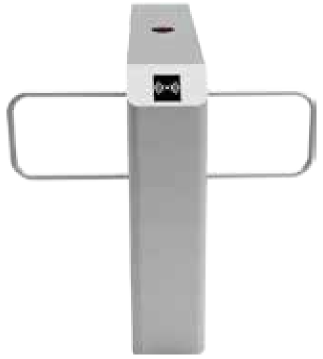


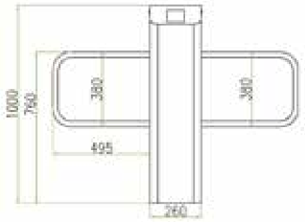


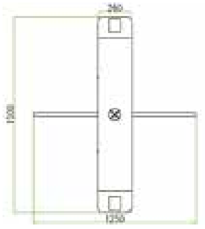


SBTL3200

- SBTL3211: With controller and RFID reader
- SBTL3222: With controller and fingerprint & RFID reader





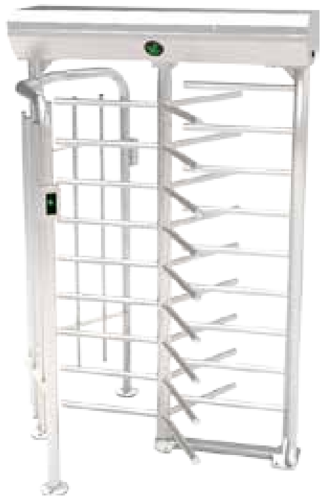


Full Height Turnstile

To provide both indoor and outdoor solutions, ZKTeco provides higher security automated monitoring solutions with full-height turnstiles specialized for factories and industrial premises and recreational facilities.

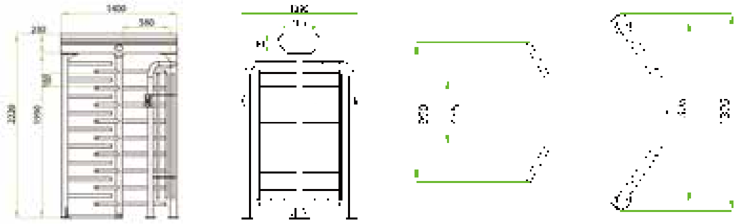
Features:

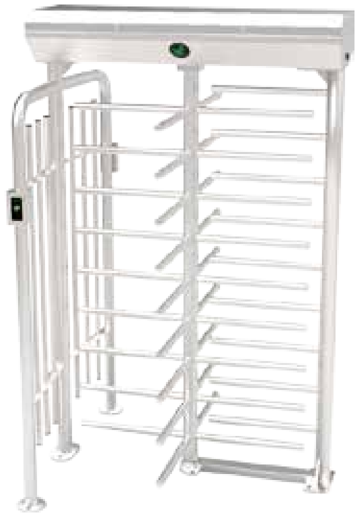
- Control access without the need for manual monitoring.
- Turnstile columns and crossbars in a range of SUS304 stainless steel.
- Modular combination of crossbars, roofs and guiding elements.
- Suitable for most environmental conditions.



FHT2300

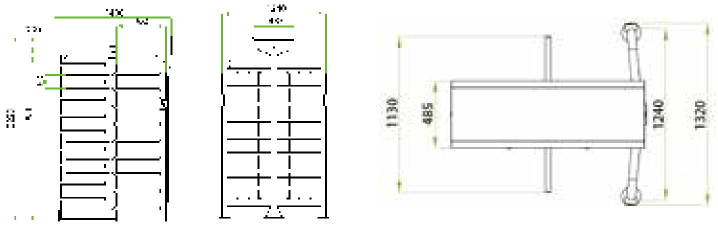
- FHT2311: With controller and RFID reader
- FHT2322: With controller and fingerprint & RFID reader

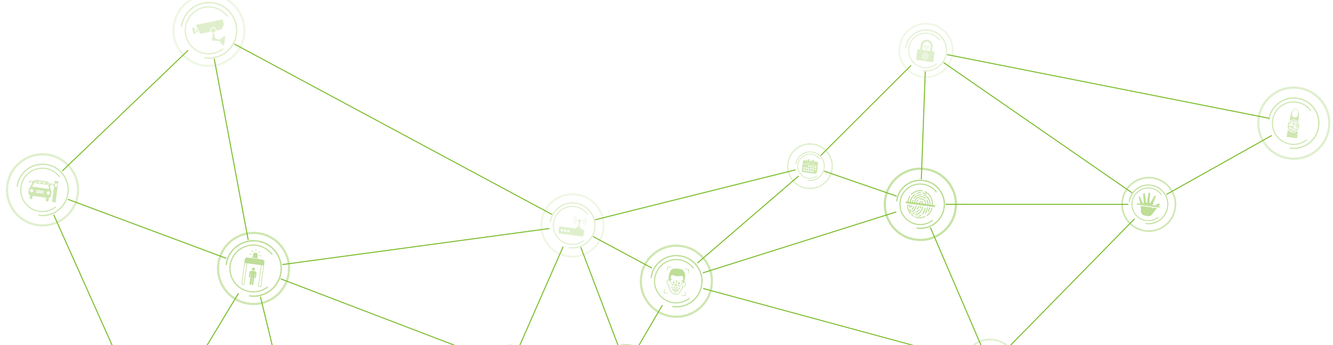




FHT2400

- FHT2411: With controller and RFID reader
- FHT2422: With controller and fingerprint & RFID reader



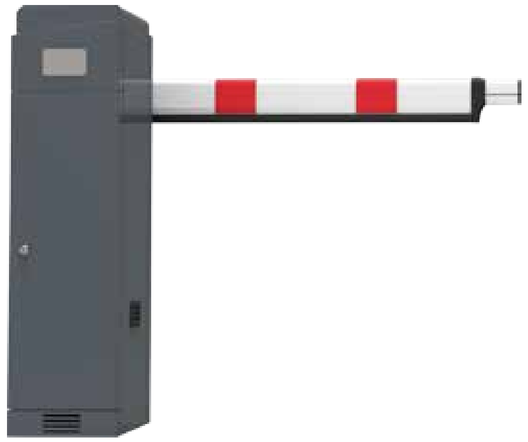


Parking Barrier

ZKTeco parking barrier are especially suitable for indoor and outdoor parking facilities that require payment or access control. We have designed reliable and enduring barriers for these applications and it communicates with the management system.

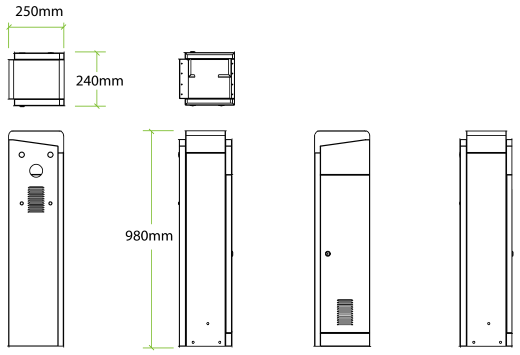
Features:

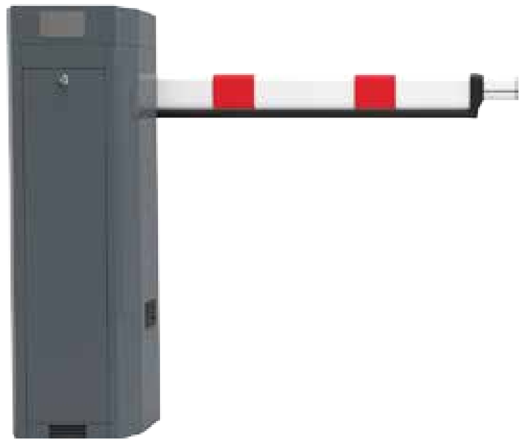
- Compact design, convenient for packing and lowering delivery cost.
- ZK designed rolling pressure spring technology, extending product life.
- Can raise and lower smoothly and steadily.
- Convenient for maintenance and customization.



PB1000

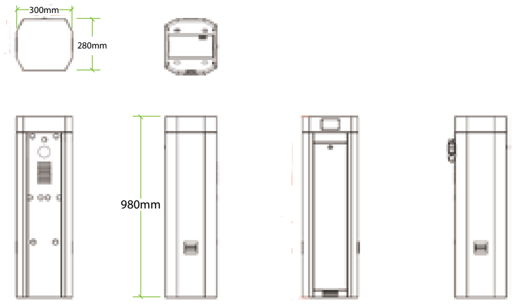
- PB1010:3M(Extend to 3.8M)
- PB1030:4M(Extend to 4.8M)
- PB1060:5M(Extend to 5.8M)





PB3000

- PB3010:3M(Extend to 3.8M)
- PB3030:4M(Extend to 4.8M)
- PB3060:5M(Extend to 5.8M)



License plate recognition system

License plate recognition technology

License plate recognition technology is an application of computer video image recognition technology in vehicle number plate identification. License plate recognition technology through license plate extraction, image preprocessing, regional location and tilt correction, binarization, character segmentation, feature extraction and database matching techniques, final output license plate number, color and other information.

ZKTeco license plate identification

ZKTeco license plate recognition products adapts independent research and development of the industry-class of license plate recognition algorithm, combined with years of experience in industry application. License plate recognition speed is less than 120 ms, license plate recognition accuracy is above 99%, and without swiping card, without stopping, automatic license plate recognition mode of fast in and out of the parking lot, provides users with more intelligent, more convenient, more advanced experience.

License plate recognition camera

LPRC100 is the HD IP Camera which integrated with first-class of the industry, automatic license plate recognition algorithm, based on 2 million wide dynamic CMOS sensor, carrying four photosensitive resistance automatically zoom lens, the highest resolution is 1920 * 1080 p, with IP65 waterproof and dustproof design grade, is the first generation of ZKTeco independent research and development of license plate recognition products.

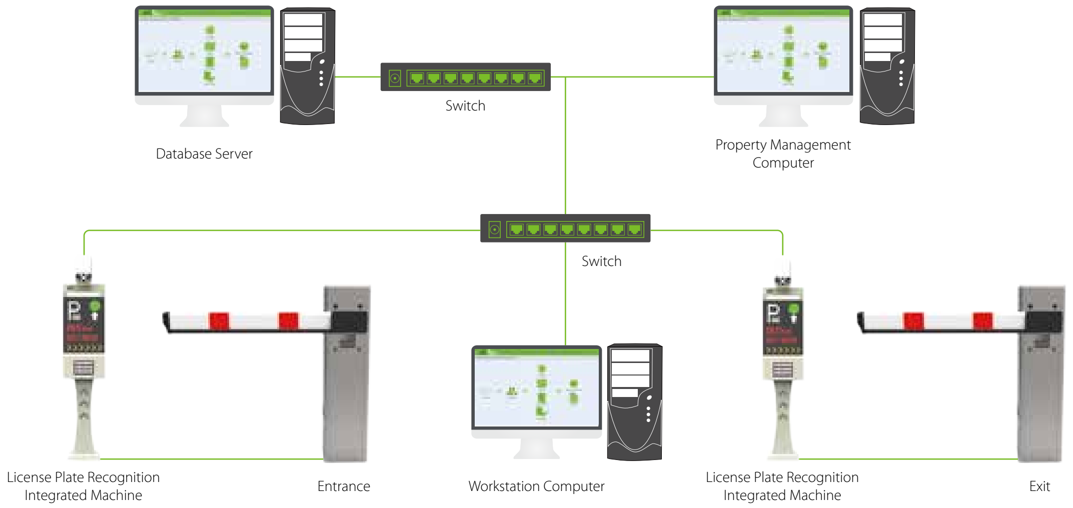
License plate recognition integrated machine

LPRS1000 integrated with license plate recognition camera, LED display, voice broadcast, fill light, fixed base and other integrated structure, and has a simple and elegant appearance and multi-functional design. It is convenient for the installation of the engineering business and get rid of the large ticket box, which is widely used in parking lot management.

Features:

- Automatic license plate recognition system, no need to swipe card, no parking, quick access to the parking lot of perfect user experience
- Fixed vehicle, temporary vehicle authorization management
- Customizable diversity of charging rules
- Supports black and white list management
- Real-time display of license plate number, time record, remaining empty car parking spaces, parking fee and other information
- Supports localized voice broadcast
- Can export various financial statements
- Perfect combination with the parking barrier;

Solution:


Switch
Database Server
Property Management Computer
Switch
License Plate Recognition Integrated Machine
Entrance
Workstation Computer
License Plate Recognition Integrated Machine
Exit

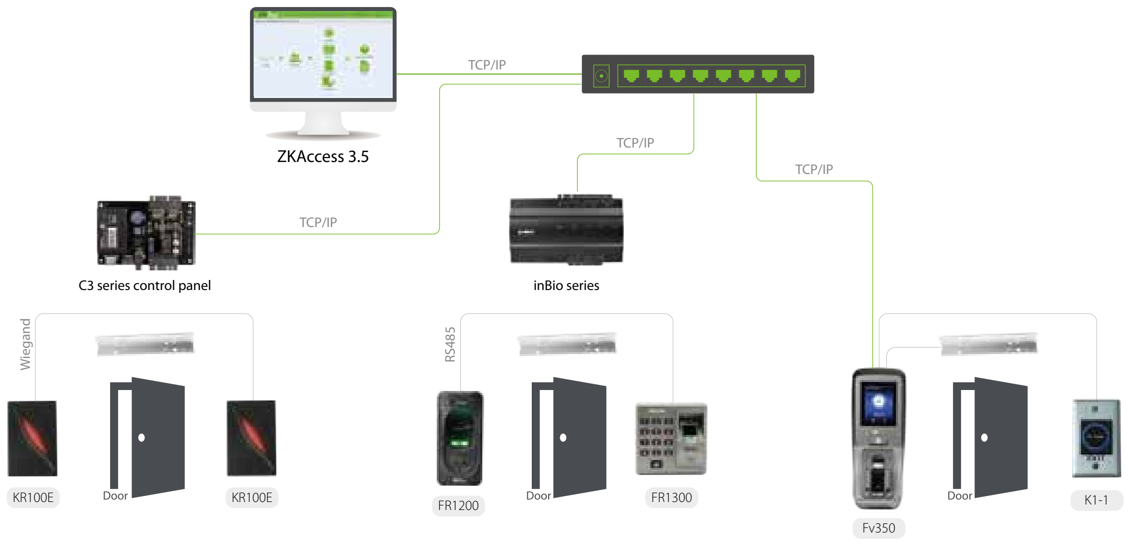
Access Control

ZKTeco's Access Control Product line is comprised of IP based standalone access control device, networked access control panel, readers and guard patrol and accessories with network based one stop access control and T&A software. Thus, ZKTeco provides one-stop R&D and manufacturing services for business partners.

ZKAccess 3.5

One-Stop Access Control Software for SMB

Solution:



Features:

UI Features

- Easy to Configure and Use
- Menu-driven Dashboard Display
- Embedded Fingerprint Registration Tool for Registering and Uploading Templates to the Terminals
- Quick Start Links for Common Operations

Real-Time Monitoring

- Real-time Event Monitoring With Door Status Icon
- Photo Pop-ups of Users and Visual Verification
- Remote Opening/closing of an Individual or All Doors

Door Management

- Individual Door Configuration for Unlock Duration, Wiegand Format and Request to Exit Mode
- Anti-pass Back and Interlocks Between Doors
- Door Interlocks for Mantrap Control
- In and Out Reader Configuration
- Programming for Duress Password

Maps, Reports and Maintenance

- Import Maps and Floor Plans for Site-specific Door Management
- Reports with Customized Search Engine
- Multiple Export Formats for Event Logs
- One-click Database Backup
- All system Changes are Logged

ZKBioBT

Newest Bluetooth Access Control Apps
Mobile Apps for You to Wirelessly Manage Your Doors

Features:

Remote User Registration

- Easy User Registration through Bluetooth Connection

Wireless Door Setting

- Both Open Time and Door Sensor, can seamlessly control in your hands

View Device information

- Easily check out all the devices' basic information, such as available storage and usage information.

Support Devices:

MA300-BT

Newest Bluetooth Access Control Terminal
Waterproof, Metallic Casing & ZKBioBT Apps Ready

Features:

- Fingerprint Capacity: 1,500 templates
- ID Card Capacity: 100,000
- Transaction Capacity: 10,000
- Communication: RS485, TCP/IP, USB-host, Bluetooth
- Protection Grade: IP65

X8-BT

Newest Bluetooth Access Control Terminal
Compatiable Size, Economic, ZKBioBT Apps Ready

Features:

- Fingerprint Capacity: 500 templates
- ID Card Capacity: 500
- Sensor: SilkID Sensor
- Communication: Bluetooth

Mobile phone requirement for App installation:

Android OS later than version 4.3, compliant with the Bluetooth protocol later than 4.0; iOS later than 7.1, devices later than iPhone 4S

Access Control Standalone Device

Hybrid-Biometric: Finger Vein + Fingerprint Access Control Terminal

Model No.	FV18(New)	FV350
Display	2.4-inch color screen	2.8-inch capacitive screen
Vein capacity	1000	
Fingerprint capacity	1000	
Communication	TCP/IP, USB host	TCP/IP, RS485
Interface	Lock, Sensor, Exit Button, Doorbell, Alarm, Aux in, Wiegand in/out, RS232(Printer)	Lock, Sensor, Exit Button, Doorbell, Alarm, Aux in, Wiegand in/out
Optional	Wireless doorbell, WiFi, ID, MF, HID, iclass	ID, MF

Hybrid-Biometric: Palm + Fingerprint Access Control Terminal

PA10 (New)

Features:

- Display: 2.4-inch color screen
- Palm capacity: 800
- Fingerprint capacity: 3000
- Card capacity(Optional):3000
- Communication: TCP/IP, USB host
- Interface: Lock, Sensor, Exit Button, Doorbell, Alarm, Aux in, Wiegand In/Out, RS485(connect with RS485 reader),RS232(Printer)
- Optional: Wireless doorbell, WIFI, POE,ID, MF, HID
- Interface: SMS, T9 input method, Auto switch state, Printer(Optional)

Hybrid-Biometric: Face + Fingerprint Access Control Terminal

MultiBio 800-H

Features:

- Communication: RS485, TCP/IP, USB-host
- Fingerprint Capacity: 4,000 Fingerprints
- Face Capacity: 1500(1:N) 4000(1:1)
- Card Capacity: 10,000 Cards
- Log Capacity: 100,000 Transactions
- Wiegand: Wiegand in and out
- Fingerprint Sensor: ZK Optical Fingerprint Sensor
- Display: 2.4-inch TFT LCD Color Screen

Finger Vein Access Control Terminal

V350

Features:

- Communication: RS485, TCP/IP
- Vein Capacity: 1,000
- RF Card: EM, Mifare (Optional 2,000)
- Authentication: Finger Vein, Fingerprint, Password, Card(Optional)
- Auxiliary Terminal: 1 Aux, Input
- Wiegand: Wiegand in and out
- Display: 2.8-inch capacitive screen

Fingerprint Access Control Terminal

Model No.	F21	F22(New)
Display	2.4-inch color screen	2.4-inch color screen
Card capacity	5000	
Fingerprint capacity	3000	
Communication	RS232/485, TCP/IP, USB-host	RS232/485, TCP/IP, USB-host, WiFi
Interface	3rd Party Electric Lock, Door Sensor, Exit Button, Alarm, Doorbell	

Waterproof Fingerprint Access Control Terminal

TF1700

Features:

- Communication: RS485, TCP/IP, USB-host
- Fingerprint Capacity: 3,000 Fingerprints (8,000 Optional)
- Card Capacity: 10,000(30,000 Optional)
- Log Capacity: 50,000(100,000 Optional)
- RF Card: EM(Standard)/Mifare (Optional)
- Wiegand: Wiegand in and out
- Display: 128 x 64 OLED

Metal Access Control Terminal

SA522, SA523 (New)

Features:

- Communication: N/A
- Card & Password Capacity: 1000
- IP65 Waterproof & dustproof
- Interface: Lock, Alarm, Wiegand Out, Aux In, Door Sensor, Exit Button,
- Software: No need software

Access Control Panel

InBio Series Controller

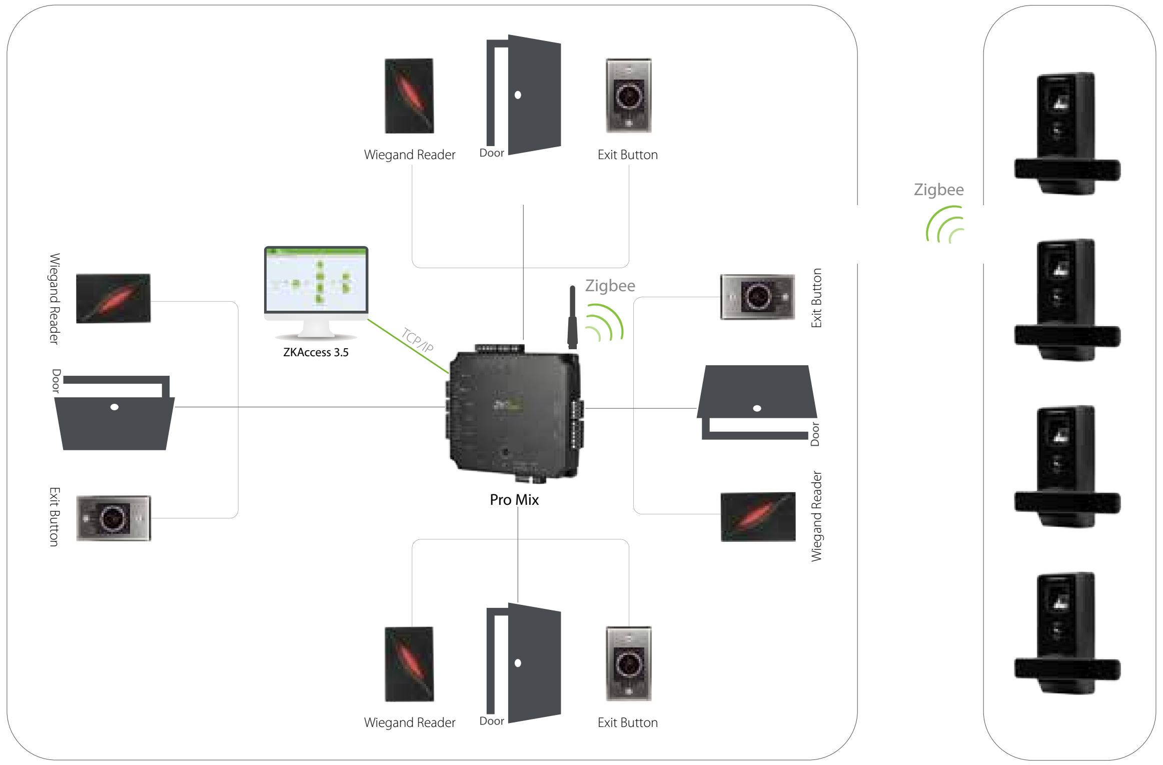
Model No.	InBio160	InBio260	InBio460
Card Capacity	30,000	30,000	30,000
Fingerprint Capacity	3,000 (optional 20,000)	3,000 (optional 20,000)	3,000 (optional 20,000)
Communication	TCP/IP, RS485	TCP/IP, RS485	TCP/IP, RS485
Event Capacity	100,000	100,000	100,000
Wiegand Input	2ea	4ea	4ea
Aux Output	1ea	2ea	4ea
Aux Input	1ea	2ea	4ea
Aux	RS485 For Fingerprint Reader	RS485 For Fingerprint Reader	RS485 For Fingerprint Reader

ProMix Series Controller(Networked RFID Controller) (New)

Model No.	ProMix-2	ProMix-4
Door	2	4
Card Capacity	100,000	100,000
Event Capacity	200,000	200,000
Communication	TCP/IP, RS485	TCP/IP, RS485
Wiegand Input	4ea	4ea
Aux Output	1ea	1ea
Aux Input	1ea	1ea

One-Stop Access Control In ProMix Series

Solution:



Access Control Accessories

Fingerprint Reader

OP200 (New)

Adaptable Biometric Reader for Lenel OnGuard Software

OnGuard Integration:

OP200 firmware communicates directly with OnGuard and automatically synchronizes needed customer user data. Eliminates need for middleware. Eliminates need to manually create users in the biometric readers.

Biometric Performance:

Advanced SilkID fingerprint verification technology delivers optimal accuracy and matching speed.

Auto Data Synchronization:

Multiple OP200s automatically synchronize fingerprint templates. Eliminates need for middleware. Eliminates need to separately manage templates.

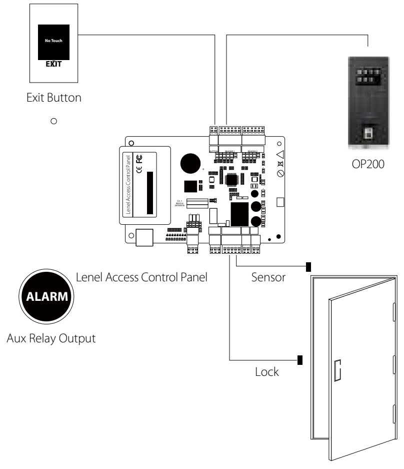
Communication:

Wiegand-Out to Lenel access control panel TCP/IP and RS232/485 data communication USB for online data management.

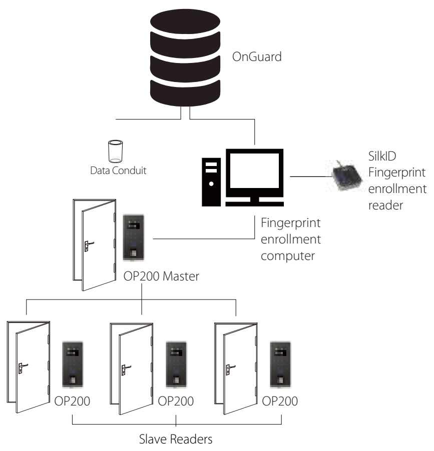
Authentication Options: (single or multi-factor)

√ Fingerprint: 3,000
√ RFID (HID, Mifare, Desfire): 30,000
√ 100,000 Transactions

Hardware Diagram



Data Communication Flow


OnGuard
Data Conduit
SilkID Fingerprint enrollment reader
Fingerprint enrollment computer
OP200 Master
OP200
OP200
OP200
Slave Readers

ZKAccess is a member of the Lenel Open Access Alliance Program(OAAP) since 2016. Lenel and OnGuard are registered trademarks of United technologies Corp.

FR1600 (New)

Features:

- SilkID Sensor
- TCP/IP & RS485 Communication
- Three LED
- Support ID, Mifare(Optional)

FR1200

Features:

- IP65 Waterproof
- Reads 125K Proximity Card
- Communication: RS485

FR1300

Features:

- Keypad supports Password
- Reads 125K Proximity Card
- Communication: RS485

FR1500

Perfect Fit in Single Gang junction box

Features:

- Communication: RS485
- Optional Function: HID card, ID Card, Mifare Card, Iclass card

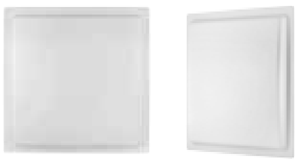
FR1500-WP

IP65 Ready, Perfect Fit in Single Gang junction box

Features:

- Communication: RS485
- Optional Function: HID card, ID Card, Mifare Card, Iclass card

Long Distance RFID Reader

Model No.	UHF1-5E/UHF1-5F	UHF1-10E/UHF1-10F
		
Reading Distance	Up To 6m	Up To 12m
Communication	Wiegand 26/34,USB	
Application	Long Distance Access Control Management & Pedestrian Crossing Management	Fixed Vehicle Access Management
Support	865MHz-868MHz And 902MHz-928MHz	

GL Series

What is Green Label?

Green Label is a project-oriented high-end product line, loaded with stunning and innovative features such as the revolutionary Silk ID fingerprint sensor with 3D NFPV technology, capable to provide an exceptional performance toward dry, wet and rough fingerprints and the new hardware platform: equipped with an optimized a fast 1.2GHz processor which dramatically increases the verification speed.

This advanced product line is made with a modern hardware and a firmware design and is the perfect match for ZKTeco' s latest web-based software platform to provide a full featured biometric time management and security solution.

The Green Label concept also includes a new market strategy by strictly controlling and regulating policies such as pricing and after-sale service.

Innovative and Modern Product Design

- United product image, family design of molds, UI and packaging.
- Unique PUSH HTTPS Protocol, for a fast, stable and secure communication.
- Covers all safety standards of verifications methods.
- Compatible with ZKTeco's latest web-based time management and security solutions, software and products.

Customer Oriented Marketing Strategy

- Globally standardized policies with strict price structure and approval system to unauthorized online sales.
- The project-registration policy will offer the maximum price and tender protection to the Green Label Client.
- All software is controlled by paid-license.

Customer Centric After Sale Service

- 36-month warranty.
- Provides full documentation including multi-language brochures, user manuals, FAQ database, solutions and case studies.
- All Green Label faulty devices have the priority right to be repaired.

3 Years Warranty

ZKTeco Green Label consists of two production lines:

Time & Attendance and Access Control.

Green Label Access Control Product Line:

ZKBioSecurity

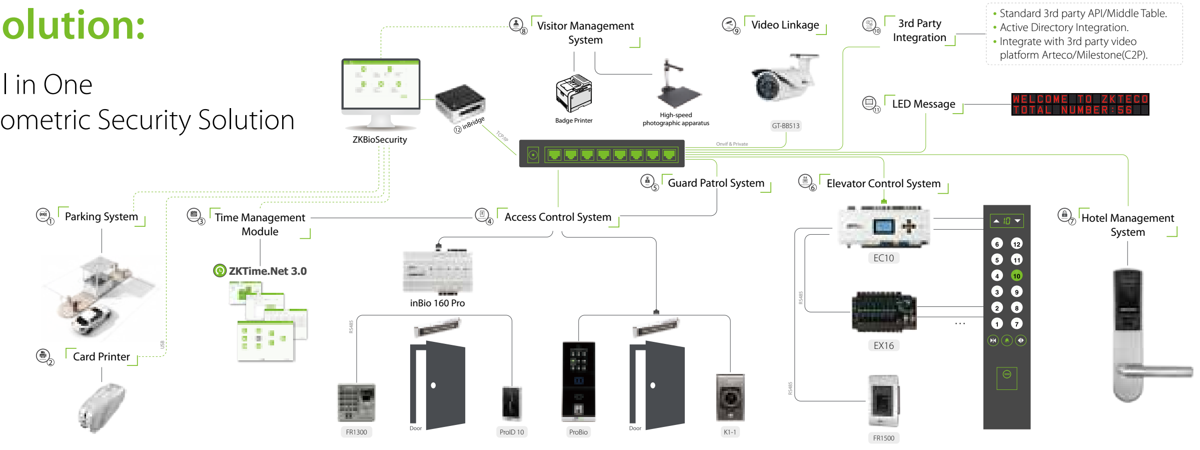
Overview:

ZKBioSecurity, the "All in One" web security platform developed by ZKTeco has become more powerful than ever. The updated version 3.0.3 features Superb security functions such as HTTPS encrypted communication, doors emergency lockdown, up to 66 bits flexible card format, personnel multi-card support, smart data analysis and the latest add on - the Patrol Module - to efficiently manage security guards patrol tours using the existing access control readers, reducing costs and ensuring patrol tasks.

Fully compatible with the revolutionary SilkID - FBI Certified (PIV07100) - fingerprint sensor and the Green Label Premium Series, the ZKBioSecurity 3.0 platform provides the most advanced multi-biometric identification solution in the industry, taking the user experience to the highest level.

Solution:

All in One
Biometric Security Solution



Features:

Web Based Platform	All-In-One Solution
Neat and Tidy, Simple User Friendly UI	Email Notifications
Supports 3rd Party Video Cameras	Global Anti-Passback and Linkage
Flexible Card Format	Online Guard Patrol Feature
Flexible Verification Mode	Activate or Deactivate the Door

- Many Doors Management Capacity
- Data Auto-Backup Function
- Huge Data Processing Capability
- Integrated with ZKTime.Net3.0
- Time Zone Settings for Exit button and Auxiliary Input

Features:

- All-In-One solution (Access Control, Elevator, Visitor, Patrol, T&A(ZKTime.Net3.0) and Video Surveillance). Simple Structure and Smooth Workflow.
- Many Doors Management Capacity (Up to 2,000 doors in Single Server and 8,000 Multi-Server).
- Stable, Fast and Consistent Communication.
- Advanced Access Control Functions.
- Global Anti-Passback and Linkage.
- Video Integration Compatible with Third Party Cameras.
- Automatic Data Backup.
- Alarms and Events Email Notifications.
- System Log Monitoring System.
- Supports InBio Pro Access Control Panels and Green Label Product Series.

Software Specifications:

Latest Version	3.0.3.0_R
Pervious Version	3.0.1.1_R
System Architecture	Server/Browser
Door Capacity	2,000 Single Server/ 8,000 Multi-Server
User Capacity	30,000*
Database	PostgreSQL(Default), SQL Server & Oracle(Optional)
Supported OS	Windows 7/8/8.1/10/Server 2008 (32/64)
Suggested Browsers	IE 11+/Firefox 27+/Chrome 33+

Minimum PC Requirements:

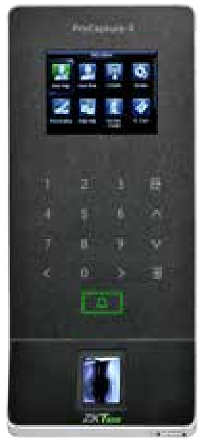
CPU	Dual core processor with speeds of 2.4GHz or more
Memory	4GB or Above
Storage	30GB Free Space or More. (NTFS Recommended)
Monitor Resolution	1024 x 768 or Above

SilkID Sensor

Access Control Standalone Device

ProCapture-X

POE Fingerprint Access Control Terminal



Features:

- POE (Standard IEEE 802.3at)
- SilkID Fingerprint Sensor
- Optional Wi-Fi

Card Capacity	50,000
Fingerprint Capacity	20,000
Transactions	500,000
Communication	TCP/IP, RS485 (for slave reader), USB Host, Wiegand In/Out, WiFi (Optional)
Access Control Functions	Lock, Alarm, Aux. In, Exit Button, Door Sensor, Doorbell
Special Function	POE (Standard IEEE 802.3at)

ProRF-T & ProCapture-T

RFID & RFID+Fingerprint

Model	ProRF-T	ProCapture-T
Card Capacity	50,000	20,000
Fingerprint Capacity	N/A	20,000
Transactions	100,000	
User/Event Photos	3,000/7,000	
Access Control Functions	Lock, Alarm, Aux. In, Exit Button, Door Sensor Doorbell	

inPluse & inPluse+

RFID+Vein & RFID+Vein+Fingerprint

Model	inPluse	inPluse+
Card Capacity	10,000	2,000
Fingerprint Capacity	N/A	1,500
Transactions	100,000	
Communication	TCP/IP, USB-Host, Wiegand In/Out,SRB	
Access Control Functions	Lock, Alarm, Aux. In, Exit Button, Door Sensor Doorbell	

ProFac & ProBio

RFID+Face & RFID+Face+Fingerprint

Model	ProFAC	ProBio
Card Capacity	10,000	
Fingerprint Capacity	N/A	4,000
Face Capacity	2,000 (1:N)	
Transactions	100,000	
User / Event Photos	4,000 / 2,000	
Communication	TCP/IP, RS485 (for slave reader), USB-Host, Wiegand In/Out,SRB	
Access Control Functions	Lock, Alarm, Aux. In, Exit Button, Door Sensor Doorbell	

ProCapture-WP (New)

Waterproof Access Control Terminal

- IP65 Waterproof & dustproof
- 20,000 Fingerprints; 100,00 Card
- BioID Sensor

Panel:

InBio Pro Series
InBio Pro is an access control panel applying Push firmware with auto-sync functionality. It supports web based software ZKBioSecurity3.0, which offers an all-in-one solution for not only access control, but also video linkage, elevator control and visitor management. Made of environmentally friendly and safe materials.

Reader:

FR1500 ProID Series Reader
We also provide fingerprint reader FR1500 and card reader ProID Series to work with ZK controllers. It is also optional with embedded EM, Mifare or Desfire card reader inside, providing the most secure and cost-effective access control solution for your needs.

FR1500

ProID10

ProID20

ProID30

ProID40

Green Label Time & Attendance Product Line:

SilkID Sensor

Fingerprint Time Attendance Terminal

ZKTime.Web

ZKTime Web 2.0 is a cutting edge Web-based Time Attendance software, which provides a stable communication for devices through 3G/GPRS/Wi-Fi and TCP/IP cable, hence, users can access to the software anywhere by their Web Brower to remotely manage hundreds of T&A terminals under complex network condition (WLAN).

G1 & G2

Fingerprint

Display	2.8-inch TFT LCD Screen	3.5-inch TFT LCD Screen
Fingerprint Capacity	5,000	50,000
ID Card Capacity	15,000	50,000
Transactions	100,000	200,000
Communication	TCP/IP, USB-Host/Client	TCP/IP, USB-Host, Wiegand In/Out
Optional Functions	Mifare/HID, Wi-Fi, External Printer	Mifare/HID, Wi-Fi/3G, External Printer

Face+Fingerprint Time Attendance Terminal

G3 Plus

Features:

- Stable Operation under strong sun light, 50,000 lux
- Large face user capacity: 1:N 3,000; 1:1 4,000 (Optional 1:1 30,000)
- High-speed identification less than 1 second

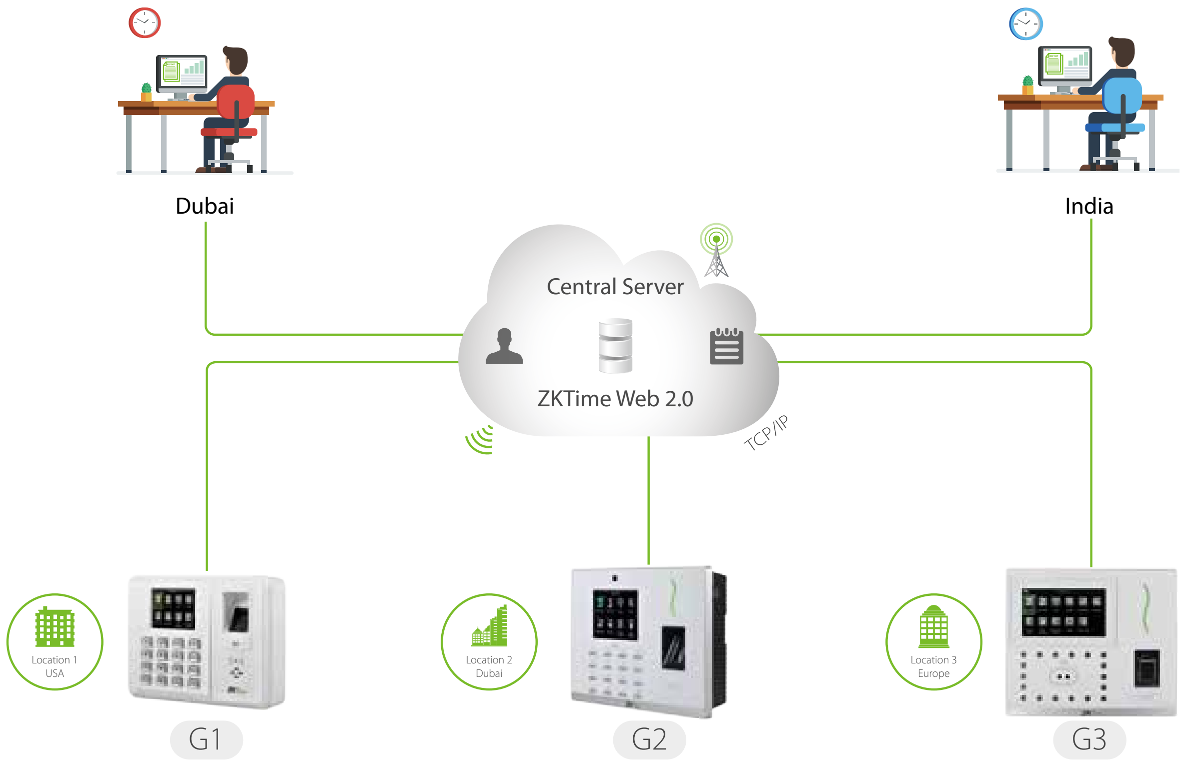
Time Attendance

ZKTeco is committed to developing and integrating cutting edge Hybrid-Biometric, RFID and Wireless technologies into its time attendance solutions. ZKTeco provides a full range of solutions including various fingerprint, RFID, face and palm verification, time clocks, portable time clocks, time and attendance management software, etc. ZKTeco can meet the demands of all companies of different sizes.

ZKTime Web 2.0

Professional Web Based Time Attendance Software for any Project

Solution:



Features:

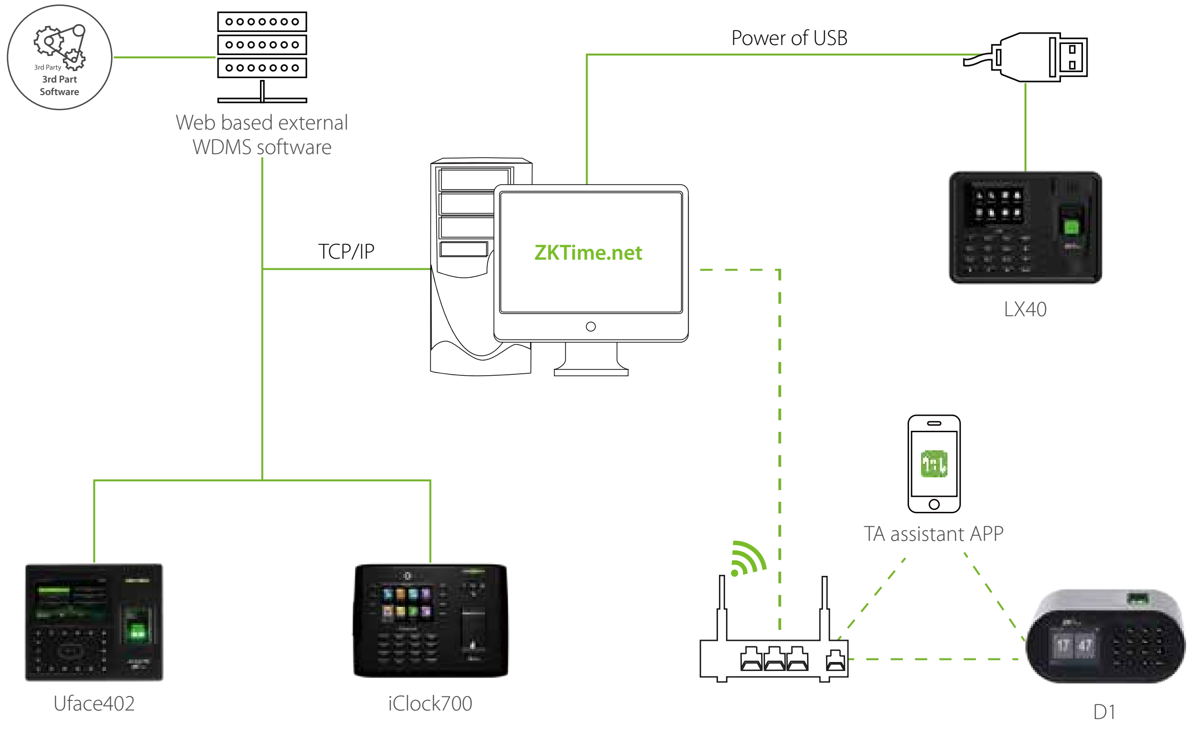
- Web-Based Time Attendance Software
- Flexible Shift Scheduling
- Easy Inter-Regional Attendance Management
- Employee Self-Service Query System
- Attendance Calculation & Reports

System Architecture	Server/Browsers
Device Capacity	300 Units Single Server / 2,000 Units Multi Server
Database	PostgreSQL (Default) / MS SQL Server 2005/2008 / MySQL (5.0.45) / Oracle 10g
Supported OS	Windows 7/8/8.1/10 Server 2008/2012 (32/64 bit)
Suggested Browsers	IE 11+/Firefox 27+/Chrome 33+
Monitor Resolution	1024 x 768 or Above

ZKTime.net 3.0

Perfect CS Time Attendance Software for SME

Solution:



Features:

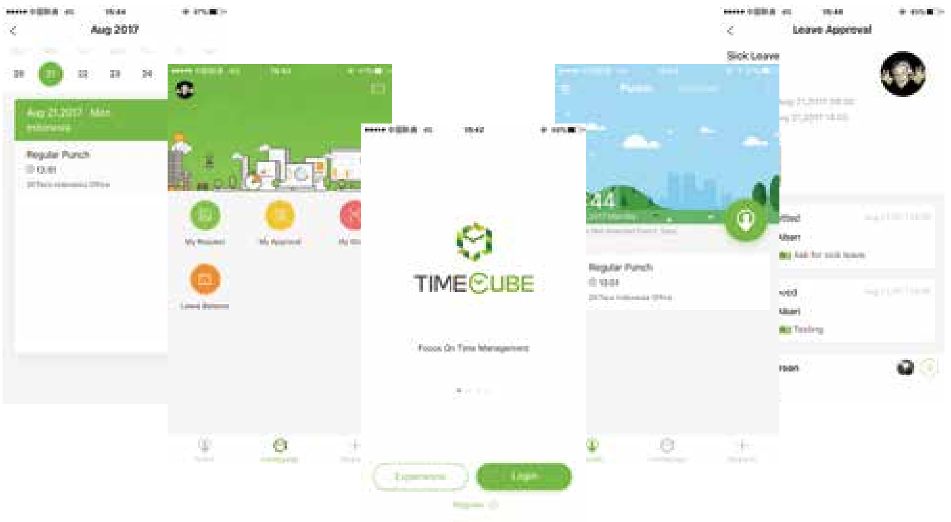
- One Click Sync System
- Profound "Terminal Zone" Management System
- Auto Emall Notification
- 20+ Time Attendance Report
- User Friendly UI

Templates	Fingerprint / RFID / Face / Palm
Devices	50 Units
Networking	TCP / IP / Wi-Fi / P2P / USB
Supported OS	Windows XP / Vista / 7 / 8 / 10 32 & 64Bit
Database	SQLite(default) / SQL Server / PostgreSQL / MySQL Etc.
Max Capacity	2000 Users, 50 Devices
Multi-Languages	English / Traditional Chinese / Arabic / Spanish / French / Japanese / Russian / Turkish / Vietnamese

Timecube

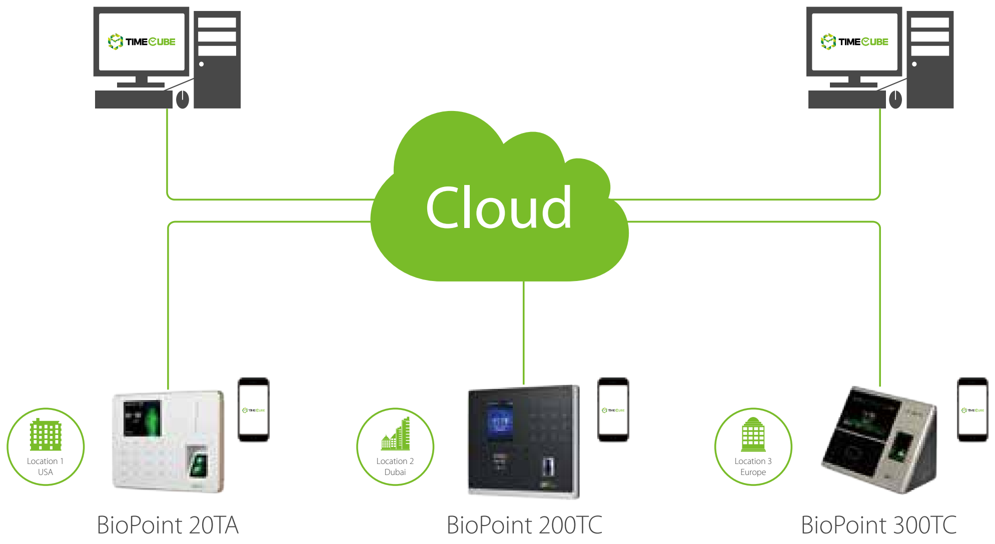
Could-based Mobile Attendance Software for SMB

Timecube is a Cloud-based Time Attendance System which combines TA terminal and Web-Based mobile application (Android & iOS), along with ZKTeco self-developed biometrics technology and years of time management experience. Timecube comes with numbers of practical features, including GPS-Track, Mobile Attendance, and online Approval Request etc., completed as a Web-Based time attendance system: "Device + APP + Cloud platform", which targets to be the best Time Attendance system for SMB.



Features:

- Mobile Attendance
- Online Request Approval
- Real-Time Time Attendance Record
- Online Leave Balance Review
- Needless To Buy Expensive Servers
- Easy Inter-Regional TA Management
- Group Management



Time Attendance Standalone Device

Hybrid-Biometric: Palm + Face + Fingerprint Time & Attendance Terminal

PFace 202 (New)

Advanced Palm Verification Product Series
Newest Palm, Face and Fingerprint Verification Hybrid Biometric Terminal.

Features:

- Optional Built-in Backup Battery
- Photo Detection
- High Verification Speed
- ID Card Capacity: 10, 000 (Optional)
- Palm Capacity: 600
- Fingerprint Capacity: 2,000
- Face Capacity: 1,200(1:N)/3,000(1:1)
- Communication: TCP/IP, USB Host, Wi-Fi(Optional), 3G(Optional)

Hybrid-Biometric: Palm + Fingerprint Time Attendance Terminal

P200/P260 (New)

Features:

- 600 Palms, 3000 Fingerprints, 10,000 ID Cards and 100,000 records
- Build in POE
- Build in battery, up to 4 hours continued operation
- 1 channel auxiliary input for smoke detector connection
- Multiple communications, 3G, Wi-Fi, TCP/IP, USB host

P160 (New)

Features:

- 600 Palms, 3000 Fingerprints, 10,000 ID Cards and 100,000 records
- Elegant ergonomic design
- TCP/IP, USB-Host and Wi-Fi communication
- POE module/ 3G module/ Advanced (Optional) access control module/ Battery module/ Printer
- Verification speed less than 1 second

Fingerprint Time Attendance Terminal

D1, D2 (New)

Countertop Time Attendance Terminal

Features:

- Countertop placed without installation
- Wi-Fi communication
- Build in battery up to 8 hours standby
- Build in time attendance report
- USB micro port for DC input, power bank charge available
- TA Assistant APP to download report and manage shift without PC software

Android QR Code

IOS QR Code

WL Serial

Wireless Time Attendance Terminal: WL10, WL20, WL30

Features:

- Wi-Fi and USB host connection
- Ultra-thin design
- Stable Operation under strong light source
- TA Assistant APP download report and shift management
- Build-in SSR Excel software, Shift and Report management

UA760, UA860

Features:

- Modular design: contain TCP/IP module, A&C module, RS232 module, you can add or cut down all by yourself
- Standard WIFI, BioID, optional WDMS
- Support TCP/IP, printer

IN05 / IN05-A

Features:

- 3,000 Fingerprints, 10,000 ID Cards and 100,000 records
- Build in battery, up to 4 hours continuous operation
- 1 channel auxiliary input for smoke detector connection
- Multiple communications, 3G, Wi-Fi, TCP/IP, USB host

Hybrid-Biometric: Face+Fingerprint Time Attendance Terminal

Entry Level: MB10, MB20

Features:

- 200 faces and 500 fingerprints user for SME business
- ID and MF card optional
- Access Port available to control one lock and exit button
- TCP/IP port for internet connection

SFace900 (New)

Semi-outdoor Face and Fingerprint Identification Terminal

Features:

- Outside installation, Maximum 12,000 lux
- Built-in backup battery, up to 4 hours continuous operation
- Able to detect whether the face is an actual face or a color photo
- 4.3 inch touch screen

Product		WL10/20/30	D1 / D2	UA760 / UA860
Main	Biometric	Fingerprint	Fingerprint	Fingerprint
	RFID Optional	-	-	125 KHz EM / 13.5 MHz MF
Capacity	Max User(1:N)	1000	1000	3000
	Max Fingerprint (1:N)	1000	1000	3000
	Max Face (1:N)	-	-	-
	Max Palm (1:N)	-	-	-
	Max Record	50000	50000	50000
Interface	TCP/IP	-	-	10M/100M
	POE	-	-	-
	Wi-Fi	WLAN / Hot Spot	WLAN / Hot Spot	802.11 B/G/N
	3G	-	-	-
	USB	USB 2.0 (Host)	USB 2.0 (Host)	USB 2.0 (Host)
	RS232	-	-	1 ch for printer
	RS485	-	-	-
	Relay	-	-	1 relay
	Wiegand	-	-	-
	Aux Input	-	-	-
Hardware	LCD	2.8" Color LCD	2.8" Color LCD	2.8" Color LCD
	Sound	24-bit	24-bit	24-bit
	Battery	-	4,000mAh	-
	Operating Temp.	0 °C- 45 °C	0 °C- 45 °C	0 °C- 45 °C
	Operating Humidity	20% ~ 80%	20% ~ 80%	20% ~ 80%
	Power	DC 5V 0.8A	DC 5V 2A	DC 12V 1.5A
	Certificates	RoHS	RoHS	CE, FCC, RoHS
Function	Standard	Automatic Status Switch, Self-Service Query DST, T9 Input, 9 Digit User ID, Scheduled Bell		
		SSR	SSR	Wi-Fi
		-	-	3rd Party Electric Lock, Door Sensor, Exit Button
	Optional	-	-	ID / MF, ADMS
Compatibility		ZKTime.net 3.0 ZKAccess 3.5 TA Assistant	ZKTime.net 3.0 ZKAccess 3.5 TA Assistant	ZKTime.net 3.0 ZKTime.web 2.0 WDMS ZKAccess 3.5

Product		IN05 / IN05-A	P160 / P200 / P260	MB10/20	SFace900	PFace202
Main	Biometric	Fingerprint	Fingerprint and Palm	Fingerprint and Face	Fingerprint and Face	Fingerprint/Palm/Face
	RFID Optional	125 KHz EM / 13.5 MHz MF	125 KHz EM / 13.5 MHz MF	125 KHz EM / 13.5 MHz MF	125 KHz EM / 13.5 MHz MF	125 KHz EM / 13.5 MHz MF
Capacity	Max User(1:N)	10,000	10,000	1,000	10,000	10,000
	Max Fingerprint (1:N)	3,000	3,000	500	4,000	2,000
	Max Face (1:N)	-	-	200	3,000	1,200
	Max Palm (1:N)	-	600	-	-	600
	Max Record	100,000	100,000	50,000	100,000	100,000
Interface	TCP/IP	10M/100M	10M/100M	10M/100M	10M/100M	10M/100M
	POE	802.3 at 28W	802.3 at 28W	-	-	-
	Wi-Fi	802.11 B/G/N	802.11 B/G/N	-	802.11 B/G/N	802.11 B/G/N
	3G	WCDMA	WCDMA	-	WCDMA	WCDMA
	USB	USB 2.0 (Host)	USB 2.0 (Host)	USB 2.0 (host)	USB 2.0 (host)	USB 2.0 (Host)
	RS232	1 ch for printer	1 ch for printer	-	1 ch for printer	1 ch for printer
	RS485	1 ch for FP reader	1 ch for FP reader	-	1 ch for FP reader	1 ch for FP reader
	Relay	2 Relays	2 Relays	1 Relay	2 Relays	2 Relays
	Wiegand	1ch In & Out	1ch In & Out	-	1 ch out	1ch Out
	Aux Input	1 ch	1 ch	-	2 ch	-
Hardware	LCD	2.8" Color LCD	2.8" Color LCD	2.8" Color LCD	4.3" Touch LCD	4.3" Touch Screen
	Sound	24-bit	24-bit	Stereo speaker	Stereo speaker	24-bit
	Battery	2,000mAh	2,000mAh	-	2,000mAh	2,000mAh
	Operating Temp.	0 °C- 45 °C	0 °C- 45 °C	0 °C- 45 °C	0 °C- 45 °C	0 °C- 45 °C
	Operating Humidity	20% ~ 80%	20% ~ 80%	20% ~ 80%	20% ~ 80%	20% ~ 80%
	Power	DC 12V 3A	DC 12V 3A	DC 5V 0.8A	DC 12V 3A	DC 12V 3A
	Certificates	CE, FCC, RoHS	CE, FCC, RoHS	RoHS	CE, FCC, RoHS	CE, FCC, RoHS
Function	Standard	Automatic Status Switch, Self-Service Query, Work Code, SMS, DST, T9 Input,9 Digit User ID, Scheduled Bell, Photo ID				
		Battery, Wi-Fi	Battery, Wi-Fi	-	-	-
		Lock & Alarm, multi-verification mode, Group combination verification, duress fingerprint, SRB, Anti-pass back		3rd Party Electric Lock, Door Sensor, Exit Button	Lock & Alarm, multi-verification mode, Group combination verification, duress fingerprint, SRB	
	Optional	ID/MF, ADMS, 3G, POE		ID / MF	ID/MF, Battery, ADMS, 3G Wi-Fi	
Compatibility		ZKTime.net 3.0 ZKTime.web 2.0 WDMS ZKAccess 3.5	ZKTime.net 3.0 ZKTime.web 2.0 WDMS ZKAccess 3.5	ZKTime.net 3.0 ZKAccess 3.5	ZKTime.net 3.0 WDMS ZKAccess 3.5	ZKTime.net 3.0 ZKTime.web 2.0 WDMS ZKAccess 3.5

Today, the biometric markets are finally ready. Areas including consuming market, government programs and industry applications need accurate improvement and cost-cutting solutions. In these applications accuracy and security are extremely important. Thus, biometric technology has been selected for its user-friendliness and its ability to block illegal attempts to the system.

USB Fingerprint Scanner

SLK20R

SLK20R is a leading fingerprint scanner designed by ZKTeco USA laboratory which adopts the advanced optical design. It has a superior ability to do live fingerprint detection and capture high-quality fingerprint images by 2 Megapixel image. It can be the most comfortable and affordable desktop enrollment and identification device.

Features:

- Stable operation under strong light
- Support live fingerprint detection function
- Large fingerprint capture area and high image performance
- Quick recognition of dry, wet and rough fingerprints
- High Speed USB 2.0
- Low Power Idle Mode
- Available SDK for development

FPV10R

FPV10R is a fingerprint and finger vein combined scanner. In mathematics, it has index level accuracy improvement. With a single scanning, it does two verification of both fingerprint and the finger vein. It has the capability to scan both surface signature of the skin (fingerprints) and the inner side (finger vein), and offers reliable solution to block fake attempts to the system.

Features:

- One time to take two biology signature
- High accuracy of the verification
- Quick recognition of dry, wet and rough fingerprints and finger vein
- High Speed USB 2.0
- Available SDK for development

USB Fingerprint Embedded Module

SLK20M

SLK20M as the smallest embedded optical module in the world combining 2 megapixel image sensor with an ARM9 processor for powerful performance. With ultimate design, it can be flexibly integrated with various system applications without requiring any additional accessories.

Features:

- Easy integration with smallest size without any extra accessories
- Stable operation under strong light source
- Durable glass touch surface
- Quick recognition of dry, wet and rough fingerprints

Hybrid-Biometric Tablet

HB510

HB510 is a newly launched Android 5.1.1 system based on the 5-inch handheld multi-functional biometric intelligent verification terminal. The product has the functions of fingerprint verification and barcode and NFC. It can be used in various industries according to different needs.

Features:

- Android system, quad-core processor, high-capacity storage space
- Diversified wireless communication function
- 5 inch 720P HD screen Corning Gorilla Glass touch screen
- Hybrid biometrics authentication method

Video Surveillance

ZKTeco Surveillance Department was established in 2010, which focuses on providing economic, competitive and featured security system in order to universally popularize cameras/DVR/NVR/CMS/cloud functions. The full coverage of HD analog and smart IP solution could be catered for a variety of entry level and high end tailored projects. In 2016, ZKTeco officially launched the cutting edge long distance and wide dynamic facial recognition cameras along with the AI technology, completed with a well developed software backend and a mobile App, which greatly raises the security market to the next level.

2MP HD 4 in1 Camera

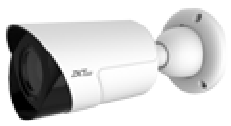
L Series

DWDR · AWB · 6KV Protection · Day & Night · IP67

BS-32D12K

- 1080P 1/2.7" CMOS
- IR Range 10-20m
- AHD/TVI/CVI/CVBS Video Output
- DWDR
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- Aluminium Alloy IP67

BL-32D28L



- 1080P 1/2.7" CMOS
- IR Range 20-30m or 30-50m
- AHD/TVI/CVI/CVBS Video Output
- DWDR
- Motorized Lens 2.8-12mm
- Aluminium Alloy IP67

ES-32D12H

- 1080P 1/2.7" CMOS
- IR Range 10-20m
- AHD/TVI/CVI/CVBS Video Output
- DWDR
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- Aluminium Alloy IP67

EL-32D28I

- 1080P 1/2.7" CMOS
- IR Range 20-30m
- AHD/TVI/CVI/CVBS Video Output
- DWDR
- Motorized Lens 2.8-12mm
- Aluminium Alloy IP67

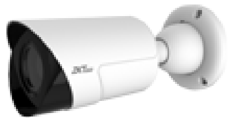
E Series

DWDR · AWB · 6KV Protection · Day & Night · IP67 · Low Light

BS-32E12K

- 1080P 1/2.9" CMOS
- IR Range 10-20m
- AHD/TVI/CVI/CVBS Video Output
- Low Light
- Fixed Lens 3.6mm (2.8mm /6mm optional)
- Aluminium Alloy IP67

BL-32E28L



- 1080P 1/2.9" CMOS
- IR Range 20-30m or 30-50m
- AHD/TVI/CVI/CVBS Video Output
- Low Light
- Motorized Lens 2.8-12mm
- Aluminium Alloy IP67

ES-32E12H

- 1080P 1/2.9" CMOS
- IR Range 10-20m
- AHD/TVI/CVI/CVBS Video Output
- Low Light
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- Aluminium Alloy IP67

EL-32E28I

- 1080P 1/2.9" CMOS
- IR Range 20-30m
- AHD/TVI/CVI/CVBS Video Output
- Low Light
- Motorized Lens 2.8mm-12mm
- Aluminium Alloy IP67

DL-32E12B

- 1080P 1/2.9" CMOS
- IR Range 10-20m
- AHD/TVI/CVI/CVBS Video Output
- Low Light
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- Aluminium Alloy IP67

DL-32E26B

- 1080P 1/2.9" CMOS
- IR Range 20-30m or 30-50m
- AHD/TVI/CVI/CVBS Video Output
- Low Light
- Vari-focal Lens 2.8-12mm (Motorized Lens 2.8-12mm optional)
- Aluminium Alloy IP67

4MP HD 4 in 1 Camera

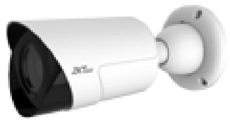
P Series

WDR · AWB · 6KV Protection · Day & Night · IP67

BS-34F12K

- 4MP 1/3"CMOS
- IR Range 10-20m
- AHD/TVI/CVI/CVBS Video Output
- True WDR
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- Aluminium Alloy IP67

BL-34F28L



- 4MP 1/3"CMOS
- IR Range 20-30m or 30-50m
- AHD/TVI/CVI/CVBS Video Output
- True WDR
- Motorized Lens 2.8mm-12mm
- Aluminium Alloy IP67

ES-34F12H

- 4MP 1/3"CMOS
- IR Range 10-20m
- AHD/TVI/CVI/CVBS Video Output
- True WDR
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- Aluminium Alloy IP67

EL-34F28I

- 4MP 1/3"CMOS
- IR Range 20-30m
- AHD/TVI/CVI/CVBS Video Output
- True WDR
- Motorized Lens 2.8mm-12mm
- Aluminium Alloy IP67

DL-34F12B

- 4MP 1/3"CMOS
- IR Range 10-20m
- AHD/TVI/CVI/CVBS Video Output
- True WDR
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- Aluminium Alloy IP67

DL-34F26B

- 4MP 1/3"CMOS
- IR Range 20-30m or 30-50m
- AHD/TVI/CVI/CVBS Video Output
- True WDR
- Vari-focal Lens 2.8-12mm (Motorized lens 2.8mm-12mm optional)
- Aluminium Alloy IP67

2MP H.265 IP Camera

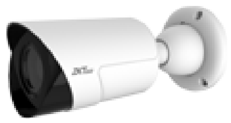
E Series

- WDR — DWDR
- H.265 HEVC — H.265
- 6K — 6KV Protection
- 3D DNR — 3D DNR
- IP67 — IP67
- Low Light

BS-52O12K

- 1080P 1/2.9" CMOS
- H.264/H.265
- Samrt IR
- IR Range 10-20m
- Low Light
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- PoE
- Aluminium Alloy IP67

BL-52O28L



- 1080P 1/2.9" CMOS
- H.264/H.265
- Smart IR
- IR Range 20-30m or 30-50m
- Low Light
- Motorized lens 2.8-12mm
- PoE
- Aluminium Alloy IP67

ES-52O12H

- 1080P 1/2.9" CMOS
- H.264/H.265
- Samrt IR
- IR Range 10-20m
- Low Light
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- PoE
- Aluminium Alloy IP67

EL-52O28I

- 1080P 1/2.9" CMOS
- H.264/H.265
- Smart IR
- IR Range 20-30m
- Low light
- Motorized lens 2.8-12mm
- PoE
- Aluminium Alloy IP67

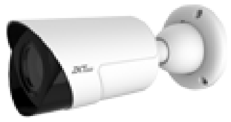
W Series

- WDR — WDR
- H.265 HEVC — H.265
- 6K — 6KV Protection
- 3D DNR — 3D DNR
- IP67 — IP67
- Star Light — Star Light

BS-52T12K

- 1080P 1/2.8"CMOS
- H.264/H.265
- Smart IR
- IR Range 10-20m
- Starlight
- True WDR
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- PoE
- Aluminium Alloy IP67

BL-52T28L



- 1080P 1/2.8"CMOS
- H.264/H.265
- Smart IR
- IR Range 20-30m or 30-50m
- Starlight
- True WDR
- Motorized lens 2.8-12mm
- PoE
- Aluminium Alloy IP67

ES-52T12H

- 1080P 1/2.8"CMOS
- H.264/H.265
- Smart IR
- IR Range 10-20m
- Starlight
- True WDR
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- PoE
- Aluminium Alloy IP67

EL-52T28I

- 1080P 1/2.8"CMOS
- H.264/H.265
- Smart IR
- IR Range 20-30m
- Starlight
- True WDR
- Motorized lens 2.8-12mm
- PoE
- Aluminium Alloy IP67

4MP H.265 IP Camera

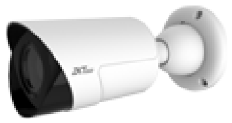
P Series

- WDR — WDR
- H.265 HEVC — H.265
- 6K — 6KV Protection
- 3D DNR — 3D DNR
- IP67 — IP67

BS-54N12K

- 4MP 1/3"CMOS
- H.264/H.265
- Smart IR
- IR Range 10-20m
- True WDR
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- PoE
- Aluminium Alloy IP67

BL-54N28L



- 4MP 1/3"CMOS
- H.264/H.265
- Smart IR
- IR Range 20-30m or 30-50m
- True WDR
- Motorized Lens 2.8-12mm
- PoE
- Alluminium Alloy IP67

ES-54N12H

- 4MP 1/3"CMOS
- H.264/H.265
- Smart IR
- IR Range 10-20m
- True WDR
- Fixed Lens 3.6mm (2.8mm/6mm optional)
- PoE
- Aluminium Alloy IP67

EL-54N28I

- 4MP 1/3"CMOS
- H.264/H.265
- Smart IR
- IR Range 20-30m
- True WDR
- Motorized Lens 2.8-12mm
- PoE
- Alluminium Alloy IP67

All in One H.264+ DVR

1080N

Z300XE-CL

- AHD/TVI/CVBS/IP Video input
- Max Resolution: 4ch*1080N@25fps 8/16ch*1080N@12fps
- HDMI Output
- Mini 1U case, SATAx1

1080P

Z316XF-C

- AHD/TVI/CVBS/IP Video input
- Max Resolution: 16ch*1080P@12fps
- HDMI Output
- 1U case, SATAx2

5MP

Z300XF-P

- AHD Video input
- Max Resolution: 8/16ch*4MP@15fps/5MP@11fps(AHD)
- HDMI 4K Output
- 1U case, SATAx2

4k Output
Mobile App
H.264+
PTZ
Network
USB2.0

H.265 Non-PoE NVR

4k Output
Mobile App
PTZ
Video Compression
Network
USB2.0

Z500NER

- Max Resolution: 4ch/8ch/16ch*4K@25fps
- 4/8/16ch playback
- Intelligent Analysis
- Mini 1U Case, SATAx1
- Support H.264 or H.265 cameras
- HDMI 4K Output

Z500NHR

- Max Resolution: 16ch/32ch/64ch*4K@25fps
- 16ch playback
- Intelligent Analysis
- 2U Case, SATAx8
- Support H.264 or H.265 cameras
- HDMI 4K Output

Z500NTR

- Max Resolution: 32ch/64ch*4K@25fps
- 32ch playback
- Intelligent Analysis
- 3U Case, SATAx16
- Support H.264 or H.265 cameras
- HDMI 4K Output

H.265 PoE NVR

4k Output
Mobile App
PTZ
Video Compression
Network
USB2.0
PoE

Z500NER-0P

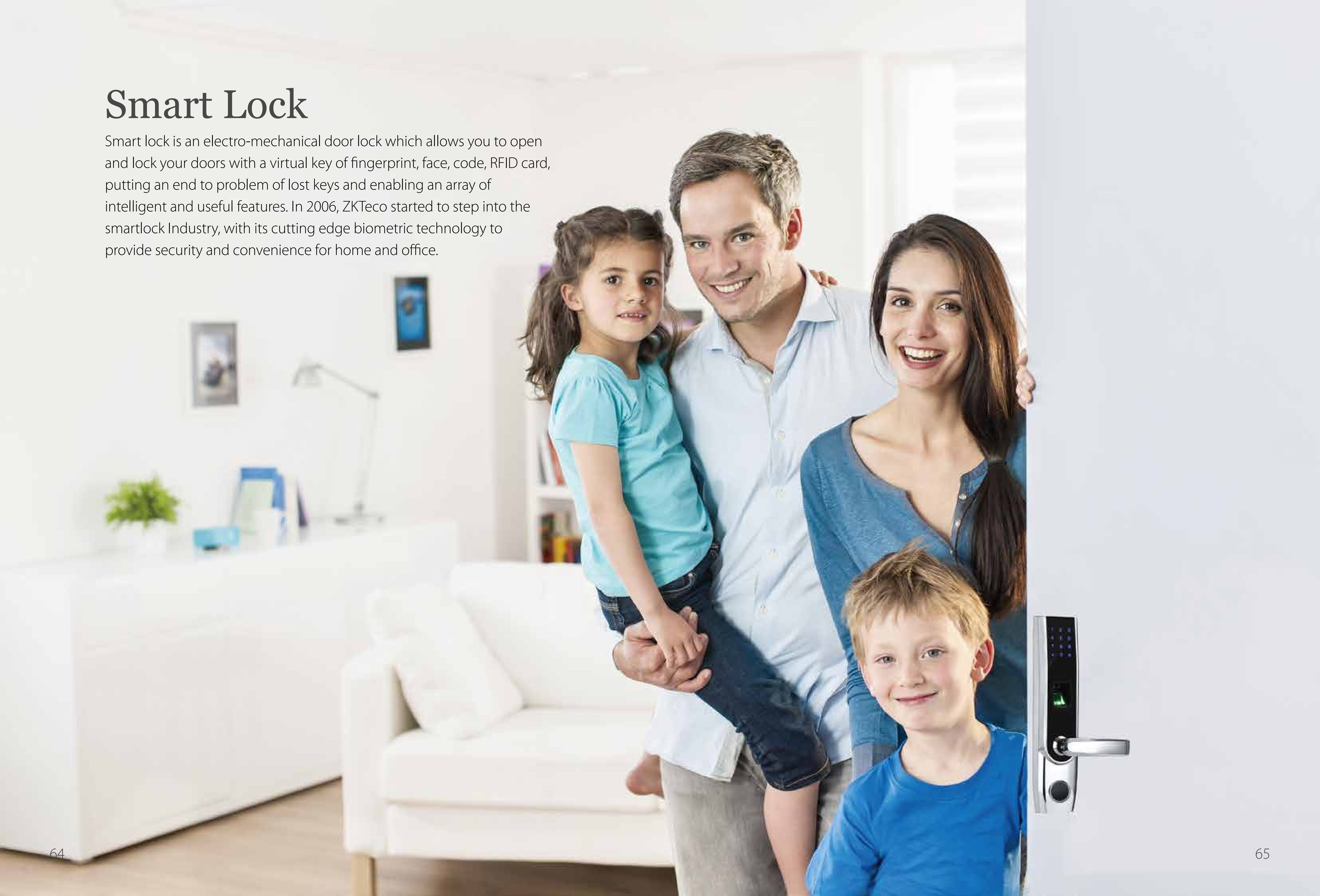
- Max Resolution: 4CH/8CH*4K@25fps
- 4/8ch playback
- 4ch/8ch PoE
- Intelligent Analysis
- Mini 1U Case, SATAx1
- Support H.264 or H.265 cameras
- HDMI 4K Output

Z500NFR-16P

- Max Resolution: 16ch/32ch*4K@25fps
- 16ch playback
- 16ch PoE
- Intelligent Analysis
- 1U Case, SATAx2
- Support H.264 or H.265 cameras
- HDMI 4K Output

Smart Lock

Smart lock is an electro-mechanical door lock which allows you to open and lock your doors with a virtual key of fingerprint, face, code, RFID card, putting an end to problem of lost keys and enabling an array of intelligent and useful features. In 2006, ZKTeco started to step into the smartlock Industry, with its cutting edge biometric technology to provide security and convenience for home and office.



Smart Phone, Smart Lock.
Your smart phone is now your key.

ZKBioBL APP

ZKBioBL is a creative App for iOS platform and Android platform which allows you to unlock door and send unique access code by mobile phone. It works with ZM100/TL400B/ DL30/TL200 Series.

Android App

IOS App

App Key

- Unlock the door with smart phone
- Showing lock name, User ID/Name, User Role, Access Time, Battery Status

Setting

- Define Lock Name
- Reset pairing password
- Enable/disable always open mode

Checking Records

- Keep track of who and when enters your home
- Search by name or user ID

Timetable

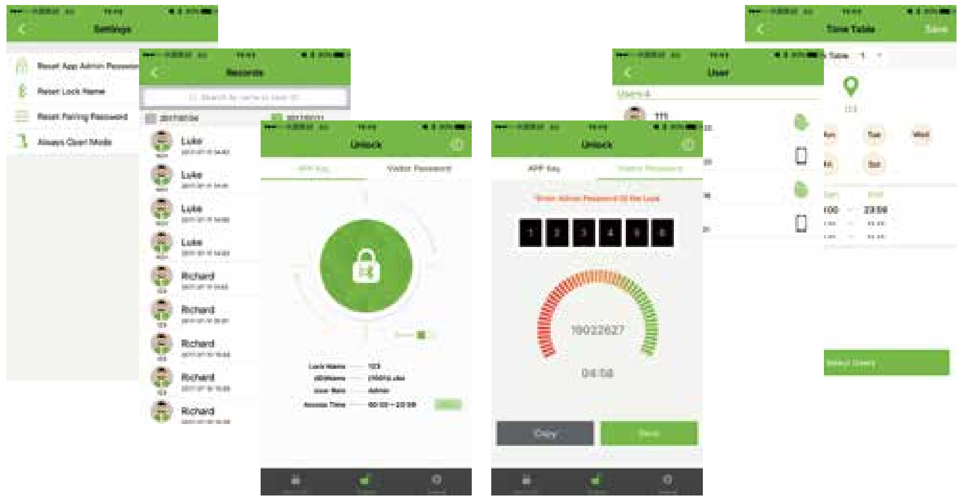
- Select the day(s) and time table(s) you would like to provide guest access to your lock
- 12 Timetables , each one has 3 time zones

User Management

- Check user list
- Edit user name, user role, access timetable
- Delete user

Visitor Password

- Send unique access code from your phone anywhere anytime



Bluetooth Smart Lock

The smart lock with multi-biometric Verification technology

ZM100

Features:

- Accurate and high-speed face verification in 1:N mode
- Capacitive touch screen with visual icon menu
- Equipped with SilkID fingerprint sensor
- Provide high security unlock way by safety mode - Face+FP
- Rechargeable lithium battery
- Rugged anti-theft mortise with 304 stainless steel material

Touch Keypad Fingerprint Lock

TL400B

Features:

- Illuminated Touch Keypad With 12 Digital Number
- European standard mortise - the door locks by itself once close
- Enhanced security by random password for code access
- Voice guide and the volume is adjustable

DIY Digital Lock

DL30B/DL30DB

Features:

- DIY design for easy installation and quick operation
- Enhanced security by random password for code access
- Voice assistance and the volume is adjustable
- American standard single latch (DL30B)
- German standard mortise (DL30DB)

DIY Fingerprint Lock

ML10/PL10 Series

Features:

- Easy to program and easy to use
- Easy to install – no wiring required
- Reversible design to fit for all door open direction
- American standard single latch (ML10/PL10)
- German standard mortise (ML10D/PL10D)

Standalone Smart Lock

Fingerprint Door Lock with Stainless Steel Metal Housing

Z1

Features:

- Slim and ultra thin design
- 304 Stainless Steel Metal Housing
- Rugged anti-theft mortise with 304 stainless steel material
- Equipped with BioID fingerprint sensor
- With voice assist feature for easy and quick operations

Fingerprint Lock with Touch keypad

TL100/TL200

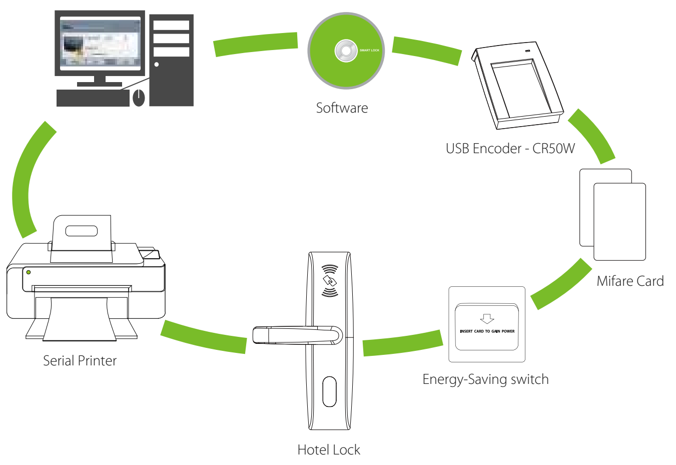
Features:

- Enhanced security by random password for code access
- Rugged anti-theft mortise with 304 stainless steel material
- Reversible design to fit for all door open direction
- With voice assist feature for easy and quick operations

Items	ZM100	TL400B	DL30B/DL30DB	ML10/PL10	Z1	TL100	TL200
Material	Zinc Alloy	Zinc Alloy	Zinc Alloy	Zinc Alloy	Stainless Steel	Zinc Alloy	Zinc Alloy
Screen	2.8inch Capacitive Touch Screen	-	-	-	-	-	-
Keypad	-	Yes	Yes	-	Yes	Yes	Yes
Card Options	Mifare	ID/Mifare	ID/Mifare	ID	ID/Mifare	ID	ID/Mifare
Voice Guide	-	Yes	Yes	-	Yes	Yes	Yes
USB Host	Yes	Yes	Yes	-	Yes	Yes	Yes
BLE4.0	Optional	Standard	Standard	Optional	-	-	Optional
Face Capacity	100	-	-	-	-	-	-
FP Capacity	100	100	-	90	100	100	100
Card Capacity	100	100	100	90	100	100	100
Pwd Capacity	100	100	100	-	100	2	100
Power Supply	4000mAh Lithium Battery	4×AA Alkaline Battery				8×AA Alkaline Battery	

Hotel Lock Series

Hotel locks are equipped with the advanced 13.56Mhz Mifare-1 card technology, which has the ability of reading and writing to guest and employee cards. The included lock management software offers you an easy "one-click" installation, what you need is to click next.



Features:

- With Advanced 13.56mhz Mifare-1 Card Technology
- American Standard Mortise with 5 Latches
- With Professional Hotel Lock Management Software - Single Click Install
- Require USB Encoder to Program Mifare Cards
- Audit Trail Records the Latest 224 Lock Transactions
- With Warning Beeps in Low Battery Status

LH1000/LH2600

LH3000

LH3600

LH4000/LH5000

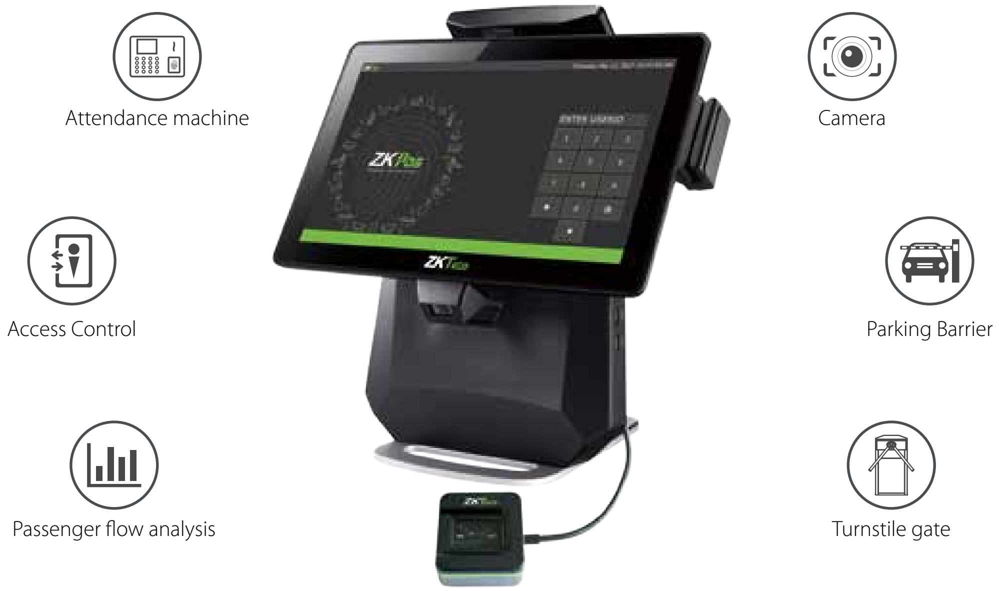
POS

We believe that smart finance and smart supermarket are the next breakthrough of the biometric verification industry, and smart biometric verification POS terminal would be the best entrance to the smart finance and smart supermarket industries. With our advantages in own supply chain system and production quality, through the integration of advanced product resources, market resources and technical resources, we are leading the renovation of the traditional cashier industry.

Solution:

All in One Waterproof Biometric Smart POS Terminal

- Point-of-sale Machine
- Web Based Software
- All-in-One Solutions



Feature:

Provide Added Security and Convenience with Biometric Innovations

The optical fingerprint scanner connected with the POS Cash Register has the following advantages: The Merchants could manage their club members through POS terminals, including fingerprint collection, fingerprint registration, fingerprint matching, fingerprint retrieval and Anti-spoof/fake detection capability.

Application

Supermarket

Bar

Hotel

Restaurant

Coffee

More

ZKTeco POS Terminals

ZK15 Series

Features:

- Power-efficient Intel ® Celeron ® J1900 2.0 GHz Quad-Core processor
- 15" Bezel-Free true-flat display with PCAP touch
- Fanless design, less heat, long lasting performance, low consumption
- Standard with 2G RAM and 32G SSD

Memory	2GB Standard, DDR3L 1333MHz(Max. 8GB)
Storage	32GB SSD Standard, 1*2.5" HDD&2.5" SSD
Operating System	Windows 7, Windows 8, Windows 10 IoT Enterprise, POS Ready 7, Linux
Touch Screen	Projected Capacitive touch Screen
Resolution	1024×768
Audio	Realtek ALC662
USB	5*USB2.0, 1*USB3.0
2nd Display	12.1" TFT LCD
Customer Display	20 columns × 2 Lines
MSR	3 Tracks
Fingerprint	USB fingerprint reader(SLK20R)

ZK55 Series

Features:

- 15" ultra-slim design and stylish bezel-free touch display
- Solid & robust aluminum housing design
- IP64 water and dust proof front panel protection
- Optional 1D/2D barcode scanner, MSR, RFID, iButton
- Optional attached VFD & 8"/10.4" customer display

Model	ZK5510
System	POS Ready Win7 / Win 8.1 Industry / Win 10 IoT Enterprise
Processor	Intel® Celeron J1900 QC 2.0GHz
Memory	One SO-DIMM socket supports DDR3L 1600 up to 8GB
Storage	2.5" SATAIII HDD × 1
Network	LAN × 1 (RJ45 10/100/1000 Base-T)
Protection	IP64 on front bezel

ZK75 Series

Features:

- Solid & robust aluminum housing design
- IP64 water and dust proof front panel protection
- Optional 1D/2D barcode scanner, MSR, RFID, iButton, NFC
- Supports dual customer displays; Wi-Fi
- Optional attached VFD & 8"/10" customer display

Model No.	ZK7550	ZK7550W
LCD Display Size	15" LCD	15.6" LCD
Max. Resolution	1024×768	1366×768
Brightness	350cd/ m^2	220cd/ m^2
Backlight	LED	
Touch Panel Type	Five-wire analog resistive type & Projected capacitive touch	
Power Supply	90W 19V power adapter	
System	POS Ready Windows 7/ Windows Embedded 8.1 Industry Pro / Win10 IoT Enterprise	
Processor	Intel® Celeron J1900 QC 2.0GHz	
Memory	One SO-DIMM socket supports DDR3L 1333 up to 8GB	
Storage	2.5" SATAIII HDD × 1	
Network	LAN × 1 (RJ45 10/100/1000 Base-T)	

ZK35 Series

Features:

- Power-efficient Intel ® Celeron ® J1900 2.0 GHz Quad-Core processor
- Optional Intel ® Core i3 and i5 processor
- 15" Bezel-Free true-flat display with PCAP touch
- Standard with 2G RAM and 32G SSD
- Standard with 8C high-definition digital tube
- Optional 3 tracks MSR, attached VFD&12.1" customer display

Memory	2GB Standard, DDR3L 1333MHz(Max. 8GB)
Storage	32GB SSD Standard, 1*Mini SATA
Operating System	Windows 7, Windows 8, Windows 10 IoT Enterprise, POS Ready 7, Linux
Touch Screen	Projected Capacitive touch Screen
Customer Display	LED(8C digital tube)
Audio	Realtek ALC662

ZKTeco POS Peripherals

Cash Drawer 4 bills 8 coins

Features:

- With 4 Bills, 8 Coins
- Standard Wire clip
- Equipped with 1 Check Slots, 3 position lock
- RJ11(Directly connected with receipt printer and cashier interface 12V or 24V)
- The shell is made of cold-pressed steel plate and the drawer is made of ABS plastic

Thermal Printer 58mm/80mm

Features:

- Low noise and high-speed printing
- 24-hour non-stop operation
- Support cash drawer driver
- High-speed printing using embedded
- Support NV image downloading and printing
- Low operating costs (No Ribbons or Ink cartridges)
- Support different density bitmap graphics printing

Barcode Scanner 1D/2D

Features:

- Uses the standard 10-core RJ45 interface
- Identifying bar codes with low contrast
- Ultra-long reading Depth of Field (DoF)
- Fireproof, waterproof, shock-proof
- Cursor indicator and the blinking function
- Supports secondary development for various project types

Touch Monitor 15"/17'

Features:

- Factory-control Grade A LED panel
- 24-hour non-stop operation
- Efficient heat dissipation system
- Foldable Touch Monitor
- Support Windows platforms
- Integrated touch function and LCD solution

ZKTeco Glossary

Biometrics

1:1

(One-To-One Verification). Biometric validation method that compares the captured template of a fingerprint, finger vein or face of a user with the same user template stored on the memory of an access control or time attendance device, being necessary for the user to submit a unique identifier such as an ID number or card prior to the comparison.

1:N

(One-To-Many Identification). Biometric validation method that compares the captured template of a fingerprint, finger vein or face of a user with all the templates stored on the memory of an access control or time attendance device without the need of submitting a unique identifier prior to the comparison.

Algorithm

Method or set of operations organized in a logical order to get a specific result or solve a problem. On ZKTeco devices, is used to indicate the version of the method of capture, analysis and processing of biometric technology applied to the identification of fingerprints, finger veins or face recognition. The algorithm version gets updated to improve the user experience and optimize the biometric verification for a faster, more accurate and secure validation.

Biometric Technology

Use of specialized electronic devices and advanced computer methods for analysis and authentication of a person based on their unique human traits. ZKTeco is the world leader in biometric technology development, mainly for the identification of fingerprints, finger veins and facial recognition for security, access control and employees time and attendance applications.

FAR

(False Acceptance Rate) Error range that could allow a non-registered user to be accepted as a registered user on a biometric validation. In ZKTeco devices the F.A.R. is less than 0.0001%.

FP

Fingerprint.

FRR

(False Rejection Rate). Error range that might restrict access to a registered user being considered as a non-registered user on a biometric validation. The F.R.R. in ZKTeco devices is less than 1%.

Optical Fingerprint Sensor

Specialized device for capturing a digital image of the print using visible light, a CCD and a crystal to subsequently be analyzed and processed with advanced biometric algorithms.

Silk ID Fingerprint Sensor

Revolutionary fingerprint sensor developed by ZKTeco USA Laboratory in Silicon Valley, CA. Equipped with a 2 Megapixel image sensor, a powerful ARM9 processor, 3D Neuron Fingerprint Verification and Anti-Interference technology provides an outstanding identification performance toward dry, wet or rough fingerprints. Supports alive finger detection and works stable under strong sunlight environments.

Template

Term used to describe the digital information of a fingerprint, face or finger vein. On ZKTeco devices, is used as a unit to indicate the quantity of fingerprints, faces or finger veins that can be stored in the memory of an access control or time attendance device.

Access Control & Device Functions

Access Level

Access privilege assigned to the users of an access control system combining time schedules and specific doors.

Alarm Output.

Also known as Auxiliary Output. Read Auxiliary Output for more information.

Anti-Passback

Also known as APB. Security function to track the in and out status of users in an access control system. It limits the entry (IN event) of user for a second time without previously registering an exit (OUT event) and vice versa. This function is mainly designed to prevent users to share an access card or password and having several users accessing with the same credentials. In order to use this function is necessary to install in and out readers in each door and configure the parameters with the management software.

Auxiliary Output

Relay used to perform additional functions besides the lock control in an access control system such as activating a siren in case of a door opened forcefully, door held open, duress event, among others. On ZKTeco access control panels, it is possible to use auxiliary outputs for various applications such as turning on lights or external devices by linkage settings or manual activation thru the management software. Read Linkage for more information.

Duress

Situation in which a user of an access control system is forced to open a door having its physical integrity at risk. Some ZKTeco standalone devices and access panels supports to register a specific fingerprint or password to indicate the system that the user is being threatened to open the door. Upon receiving the signal the door will be opened normally, being possible to monitor the alarm with the management software or activate an auxiliary output connected to an alarm panel on a silent area input and report the event to a monitoring company.

Doorbell Output

Feature of most ZKTeco access control standalone terminals in which the device is equipped with wiring contacts that work as a switch to connect a doorbell, and a button to close the switch and ring the bell.

Event Snapshot

Feature of some ZKTeco standalone terminals in which the device is equipped with a frontal camera to capture the photo of a successful verification event. The image will be stored on the device internal memory.

Fail Safe

Term used to describe locks that require power to remain locked such a magnetic lock. In this case, when the power "fails" (gets interrupted) the door gets unlocked.

Fail Secure

Term used to describe locks that require power to remain unlocked such as certain electric strikes. In other words, the lock without power remains locked and gets unlocked when power is applied.

Firmware

Computer code for specific purposes usually recorded on a read-write memory that contains the lowest level logic of electronic circuits of a device. It typically refers to the program that manages the circuits and functions of an electronic device and can be upgraded to improve the performance or add functionalities.

InBIO

Innovative biometric technology owned by ZKTeco which allows the storage, management, and processing of fingerprint data directly in the access control panel without the need of Wiegand protocol. An InBIO kit consists in an InBIO panel, a USB fingerprint sensor for enrolment and one or more RS485 FR1200 readers installed next to the doors. This technology greatly facilitates the management of users and fingerprints data by replacing Wiegand Protocol for fingerprint validation.

Interlock

Access control function that only allows one door to be opened simultaneously in a group of two or more doors. On ZKTeco access panels, is possible to interlock all the doors of the same panel, whether in independent two doors groups or in groups of three or four doors depending on the access panel model. To use this function, is necessary that all doors have a door sensor installed and configure the parameters with the management software.

Linkage

Function to generate or trigger an action based on a condition (action-reaction). Example 1: in case of door opened forcefully trigger an alarm output to turn on a siren. Example 2: in case of a successful verification user trigger an auxiliary output to turn on a light.

Logs

Also known as Events, Records or Transactions. Data related to an access, verification of a user or any other event that a device can record and store in its internal memory. Used also to indicate the maximum capacity of records that a device can store in the internal memory.

Multi-User Verification

Access control function that request the mandatory presence and verification of two or more users to validate an access.

Multiple Verification Modes

Also known as Multi-Verification. Function of some ZKTeco devices that prompts the user to verify more than one credential to validate an access. The verification modes and combinations can be biometric by fingerprint, finger vein or face or by using card or password, depending on the features of each device model.

NC

(Normally Close). State of a relay or switch in which in inactive state maintains the continuity of the circuit with the Common contact. When activated, it loses continuity with the Common terminal giving temporary continuity to the Normally Open contact.

NO

(Normally Open). State of a relay or switch in which in inactive state does not have continuity with the Common contact until the relay gets activated.

PIN

Personal Identification Number.

Schedule

Also known as Time Zone. Time period in which certain functions, privileges or restrictions are set in an access control system.

Scalability

Ability of a system to grow in quantity of devices or terminals either assistance or access control.

Self Service Query

Also known as Report Query. Is the search of events or attendance logs performed directly on a standalone device using the keypad. For performing the query is necessary to input the user information such as the user ID, initial and ending date, displaying the results on the screen based on the filtering conditions.

SSR

(Self Service Report). Function of some time and attendance devices to download an employee attendance report directly on a USB drive in XLS format without the need of a PC.

Standalone

Electronic device that can operate independently without the need of a PC or other device.

T9 Input

Function of a numeric keypad to create words by assigning groups of 3 letters to each number, the same as a phone dial pad. On ZKTeco devices is used to indicate the device supports this function and it is possible to use the numeric keypad to input and edit the names of the users directly on the device.

T&A

(Time and Attendance). On ZKTeco solutions is used to indicate that a device or software is suitable for employees attendance applications such as work time calculation, creating reports, employees management, etc.

Tamper Alarm

Also known as Tamper Switch Alarm. Security mechanism that monitors the integrity and correct installation (on the wall) of a standalone device or reader. The alarm gets triggered by separating or removing the device from its original position because of the release of a switch, magnet or optical sensor.

Time Zone

Also known as Schedule. Read Schedule for more information.

User Photo

Feature of some ZKTeco standalone terminals in which the device is equipped with a frontal camera to capture and store the personal photo of the users. If the function is enabled, the device will show the user photo after a successful verification.

Video Linkage

Also known as video integration. Function to link an access or alarm event with a video record or photo capture.

Certifications / Regulations

CE

(Conformité Européenne or European Conformity). Certification given to electronic devices that comply the European technical regulations guaranteeing the safety and reliability of the products. On ZKTeco products is used to indicate that a device complies with the regulations of the CE.

FCC

Independent U.S. government agency that regulates interstate and international communications by radio, television, wire, satellite, and cable in all 50 states, the District of Columbia and U.S. territories. On ZKTeco products, is used to indicate a device complies with the regulations of the FCC guaranteeing the safety and reliability of the product.

RoHS

(Restriction of Use of Hazardous Substances). Regulations made by the European Union to limit or ban the use of specific substances such as lead, cadmium, polybrominated biphenyl (PBB), mercury, hexavalent chromium and others substances for the manufacture of electronic and electric equipment. On ZKTeco Devices is used to indicate a device complies with RoHS regulations, guaranteeing the safety of the product.

Installation / Environmental Considerations

Vandal Resistant

Also known as Vandal Proof. Feature in some ZKTeco devices to indicate that can support vandalism such as MA300 or MA500 models. These kind of devices are manufactured with robust metal alloys, designed and recommended for public spots.

DST or DLST

(Day Light Saving Time). Function of some ZKTeco devices to automatically adjust the time by setting the initial and ending date.

Index Protection

Also known as IP, example: IP65. Protection level of an electronic device against the entry of solid or liquid materials (usually water). It consists of two digits, in which the first digit corresponds to the level of protection against solids and the second digit against liquids.

Operating Humidity

Also known as Relative Humidity. On ZKTeco devices is used to indicate the range of environment humidity in which a device can operate normally.

Operating Temperature

Also known as Working Temperature. On ZKTeco devices is used to indicate the temperature range in which a device can operate normally.

Wet Mode & Dry Mode

Unique feature of ZKTeco access control panels for powering the locks directly on the relays contacts. In Wet Mode, the relays will provide voltage and current, in which the COM contact will provide 12VDC (-) and the NC and NO contacts will provide 12VDC (+). In Dry Mode, the relays will have no voltage or current. For enabling or disabling this feature, is necessary to move the jumpers next to the relay accordantly to each model. This feature is designed to facilitate wiring the locks and saving time during the installation.

Networking / Communication

Ethernet

Also known as IEEE802.3 standard. Data transmission standard for Local Area Networks. Is commonly used to indicate that a device in equipped with a RJ45 port to be connected to a local network.

Dip Switch

(Dual Inline Package Switch). Set of switches to set or configure the behavior of an electronic device for a specific purpose. On ZKTeco devices, is mainly used to assign the address of a device on a RS485 communication loop.

GPRS

(General Packet Radio Service). Mobile service for data transmission (packet oriented) through the cellular network. On ZKTeco devices is used to indicate that the device is equipped or can support the GPRS module for data transmission such as users, logs, or parameters configuration using the cellular data network allowing the management of devices located in remote points.

IP

(Internet Protocol). Also known as IP address. Numerical label that identifies a device within a LAN or WAN. The default IP address of ZKTeco devices is 192.168.1.201 for standalone terminals or access control panels and 192.168.1.88 for IP cameras.

LAN

(Local Area Network). Internal data network between computers or electronic devices.

ONVIF

(Open Network Video Interface Forum). Global standard in development that aims to ensure interoperability of IP video surveillance devices and other electronic security products regardless of the brand or manufacturer.
In ZKTeco products is used to indicate the IP camera or device complies with this standard and may be compatible with other products that comply the standard.

RS-232

Serial communication standard for data transmission between 2 devices.

RS-485

Differential point-multipoint communication standard that allows data transmission between multiple addressed devices using twisted-pair cable (UTP cable) over long distances. Up to 32 devices are supported on a standard RS485 communication loop at a maximum distance of 1,200 meters, depending on the data transmission speed.

TCP/IP

(Transmission Control Protocol/Internet Protocol). Protocol for data transmission in a local network (LAN) or wide area network (WAN). The default IP address for ZKTeco devices (standalone terminals and access control panels) is 192.168.1.201 and 192.168.1.88 for IP cameras.

USB Client

Function of some devices for making a connection with a PC via USB, allowing the management with Software. On ZKTeco devices, it is used to indicate that the device supports this function and usually has a mini-USB port to be connected to the USB port of a PC.

USB Host

USB connection in some standalone devices that allows to perform various functions using a USB drive such as downloading and uploading fingerprints, photos, user info, logs, screensavers, wallpapers, SMS, among others. Is commonly used to copy user info and fingerprints from one device to another or to download logs from a standalone device to be loaded into a PC using the management software, avoiding the need of cables for transferring data.

SMS

(Short Message Service). On ZKTeco devices is used to indicate that the device supports the function of displaying short text messages either public (for all users) or private (to a specific user) after a user gets verified. The message content and schedule can be configured directly on the device or using the management software.

WAN

(Wide Area Network). A network of computers that covers a geographically large area. WAN is commonly referred as Internet.

Wiegand

Communication protocol between access control panels and readers composed of a string of binary numbers called bits. There are several data formats being Wiegand 26-bit the standard format in the industry. The data transmission is done with three wires defined as D0 (Wiegand Data0), D1 (Wiegand Data1) and Ground.

Wiegand Input

Feature of some ZKTeco devices that indicates that the device is equipped with a data input that allows the connection of slave Wiegand readers. Wiegand input is done with three wires commonly defined as IW0 (Input Wiegand0), IW1 (Input Wiegand1) and Ground.

Wiegand Output

Feature in some ZKTeco standalone terminals that permits the connection and data transmission with third-party access control panels or standalone devices equipped with a Wiegand input. See Wiegand for more information.

Web Server

Web software based on a client-server scheme and HTTP protocol that works as a graphical interface that can be accessed by a device or server IP address using a web browser, in which it is possible to perform various functions such as user registration and management, download logs, real time monitoring, configure settings, upgrade firmware, among others. On ZKTeco Software is used to indicate it supports this function, in which, the software is installed on a server PC, and the client PCs can access the Software directly from a Web browser without installing additional software.

Power

A

(Symbol of Ampere). Unit of electric current. It is commonly used to indicate the power consumption of an electronic device or the capacity of electric current that a power supply can provide.

Ah

(Symbol of Ampere-hour). Unit of electric charge of a battery. Current of one ampere flowing during one hour.

Current Draw

On ZKTeco devices is used to indicate the power consumption (measured in A or mA) that a device will need to turn on and operate normally. Example: Current Draw < 500mA means the device power consumption will be less than 500mA.

mA

(Symbol of Milliamper). Milliamper or milliamp. Unit of electric current that equals one thousandth part of an Ampere. 1A = 1,000 mA.

Mini-UPS

(Mini-Uninterruptible Power Supply). Small size electric power storage device that works as a backup battery. It is mainly used to allow a device to continue operating normally in case of power failure by supplying electrical power for a certain period of time. ZKTeco has two Mini-UPS models for 5VDC and 12VDC devices.

Operating Voltage

On ZKTeco devices is used to indicate the voltage that a device will need to operate normally. Most ZKTeco devices work on 12VDC or 5VDC.

PoE

(Power over Ethernet). Technology that allows the supply of electric power and data transmission over the same network cable, being regulated by the IEEE standard 802.3af. On ZKTeco products is used to indicate that the device supports this function and it will require the use of a POE switch or injector and wiring a maximum distance of 100 meters.

VAC

(Volts Alternating Current). Electric current in which the flow of electric charge periodically reverses direction. VAC is the form in which electric power is delivered to businesses and residences varying by country or geographical areas, being 110VAC 50Hz used on most North and South American countries and 220VAC 60Hz on most Asian, African and European countries.

VDC

(Volts Direct Current). Electric current in which the flow of electric charge is only in one direction. Most ZKTeco devices work on 12VDC or 5VDC.

W

(Symbol of Watt). Unit of electric power. Current flow of one Ampere with voltage of one Volt. 1W = 1V × 1A.

Security Devices / Components

ABS Plastic

(Acrylonitrile Butadiene Styrene). Type of robust thermoplastic material, highly resistant to impacts. Material used by ZKTeco for manufacturing access control and time attendance devices.

Demo Box

Portable products demo box. ZKTeco offers 3 demo box models: InBIO panel, C3 panel and EC10 elevator controller. The boxes are robust to be transported continuously and are equipped with all the accessories needed to facilitate the sales personnel to make the introduction and demonstration of the products and Software, showing all its features and functions, ensuring successful sales.

Door Sensor

Also known as magnetic sensor. Device composed of two magnets that allows to monitor the status of a door, either open or closed, being controlled by a standalone terminal or access control panel. By knowing the door status is possible to create linkages such as activating a siren in case of door opened forcefully, door held open, among others.

Diode

Electronic component designed for conducting electric current in only one direction, from the positive terminal (Anode) to the negative terminal (Cathode). All ZKTeco access panels and standalone terminals for access control include at least one Diode in their package to be installed on the lock side with reverse polarity to protect the relay and other components to get damaged by blocking the current flow going back to the relay. Although the relay and lock can work without the Diode, is highly recommended to install it to protect and ensure the proper functioning of the equipment for long term.

DESFire

Also known as Mifare DESFire. Is a card technology derived from Mifare using DES (Data Encryption Standard) cryptographic methods for enhancing the security of the information stored on the card.

Function Keys

Keys on some ZKTeco devices to indicate the status of an access such as check in, check out, etc. being reflected on the management software for calculating the attendance reports, access control, among others.

IPC

(Internet Protocol Camera). Also known as IP Camera or Network Camera.

Green Label

Project oriented High-End product line developed by ZKTeco, created with a modern design and loaded with stunning and innovative features such as the revolutionary Silk ID fingerprint sensor with 3D NFV technology, capable to provide an outstanding performance toward dry, wet and rough fingerprints and the new hardware platform ZEM220, equipped with an optimized a fast 1.2GHz processor, dramatically increasing the verification speed. Green Label is the perfect match for the ZKBioSecurity web based software platform to provide a full featured biometric security solution.

ID Card

Commonly, refers to a card that a user carries to get verified in an access control system.

Mifare

Contactless smart card technology that contains encrypted data. Operates at 13.56 Mhz frequency.

Proximity Reader

Also known as RFID or Prox Reader. Peripheral device used for data capture and transmission from a card or tag using radio frequency identification technology (RFID). See RFID for more information.

Relay

Electro-mechanical device that works as a switch controlled by an electrical circuit. Is one of the most important components of an access control device, since it controls the flow of electric power to the lock to keep it opened or closed.

REX

(Request to Exit). Commonly refers to the button used to request the opening of a door being controlled by an access control system.

RFID

(Radio Frequency Identification). Also known as Proximity Reader or Prox Reader. Technology for data transmission stored in an object (card, tag, etc.) to a reader through antennas and radio waves to be interpreted and processed by an access control device.

RS485 Reader

Slave or external reader that uses RS485 communication to transmit fingerprint or card data to a master device such a standalone device or an InBIO access control panel.

Touchless Exit Button

Device to request the opening of a door that is controlled by an access control device. To use it, wave the hand over the sensor in a maximum range of 10 cm, this will activate the internal relay, requesting the door opening.

Slave Reader

External reader that depends on a master terminal or device. The slave reader sends the data via RS485 or Wiegand to the master device to process the information and validate the access. One example is the RS485 FR1200 (fingerprint and card) slave reader.

SRB

(Security Relay Box). External device to increase the security level of an access control standalone terminal by relenting the lock and exit button control to the SRB. The relay box should be installed in a safe place, making the connection thru the Wiegand output.

TFT

(Thin Film Transistor). Type of LCD that uses transistors to control the pixels on a screen. Provides the best image quality on flat screens. Also it is known as Active Matrix LCD.}

UHF Reader

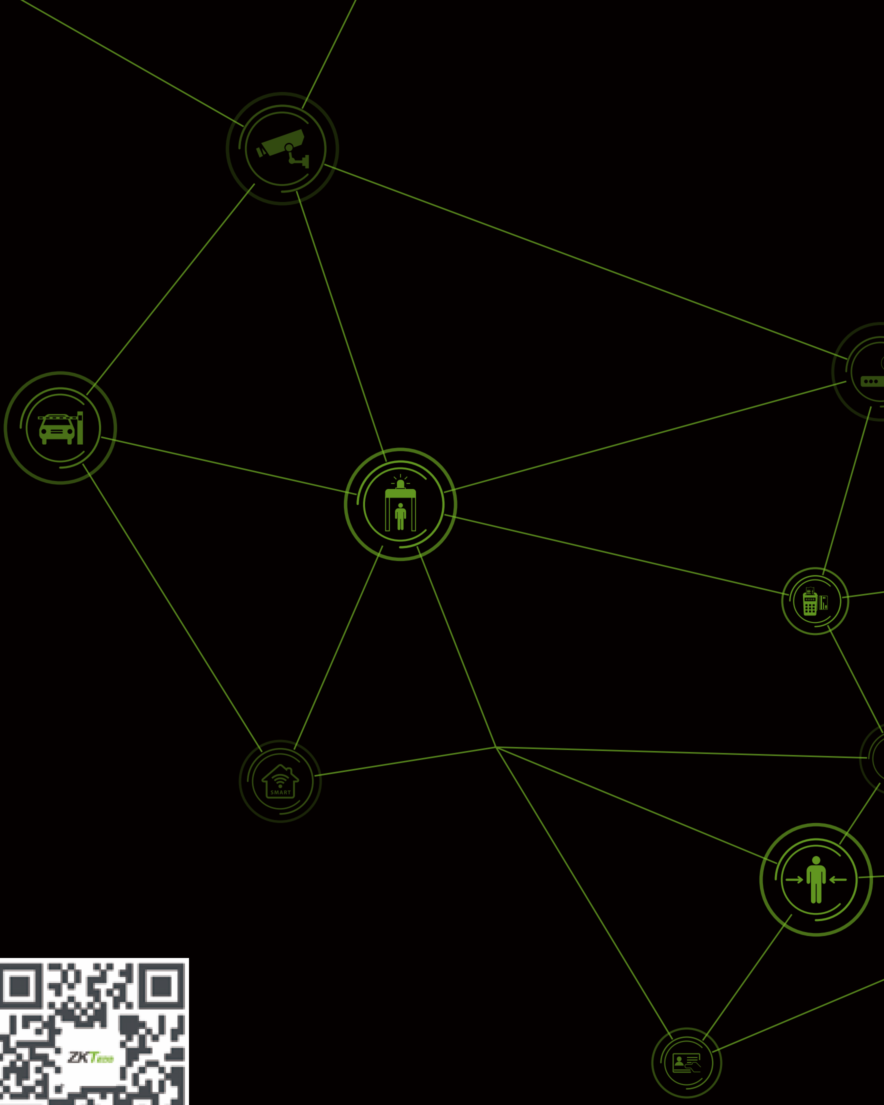
(Ultra-High Frequency Reader). UHF is the designation of radio frequencies in the range between 300 MHz and 3 GHz. ZKTeco offers a UHF Reader which is a RFID long-range card reader which can simultaneously read multiple passive tags or cards up to 12m. The reader is waterproof and is suitable for RFID applications such as transport and vehicle management, car parking, production process, access control, etc.

Voice Indicator

Feature in most ZKTeco standalone terminals in which the device is equipped with a speaker, being able to play a sound file after an event occurs such as a valid or invalid user verification, wrong ID, etc, to indicate by voice the result of an action.

ZKBioSecurity

Is the ultimate "All in One" web based security platform developed by ZKTeco. It contains four integrated modules: access control, video linkage, elevator control and visitor management. With an optimized system architecture designed for high level biometric identification and a modern-user friendly UI, ZKBioSecurity provides the most advanced solution for a whole new user experience.



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