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 provinces in China and over 30 countries including Mexico, Dubai, Thailand, India, Saudi Arabia, South Africa, Ireland, Brazil, 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 great experience in fingerprint, finger vein, and face recognition verification, and is a major provider of identity card, fingerprint algorithm, identification devices, and fingerprint modules.
Main Business

ZKTeco focuses on multi-biometric identity 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

ZKTeco focuses on multi-biometric identity verification and O2O products and solutions, enterprise big data solutions, visitor management, car entrance management, and freight management with enterprise hybrid-biometric security platform.

ZKTeco Alliance

- zigbee alliance member
- fido
- CBA
- PSIA
- SAC/TC100/SC2
- NITS/SC37
ZKTeco time & attendance series includes cutting-edge hybrid biometric verification technology products and solutions. It provides a full range of solutions including various fingerprints, RFID, face identification and palm verifications, time clocks, portable time clocks, time and attendance management software, etc. It meets the demand of almost all the companies in any size.
Palm, Face, & Fingerprint T&A and Access Control Device

- Display: 4.3-Inch Touch Screen
- Palm Capacity: 600
- Face Capacity: 3,000 (1:N)
- Fingerprint Capacity: 4,000
- ID Card Capacity: 10,000 (optional)
- Logs Capacity: 100,000
- Memory: 128MB RAM/256MB Flash
- Communication: TCP/IP, USB Host, WiFi (optional)
- Power Supply: 12V 3A
- Operating Environment: 0 °C ~ 45 °C, 20%-80%
- Dimensions: 193.6 * 165 * 111 mm (Length*Width*Thickness)
- Optional Functions: ID/MF Card, 3G, Wi-Fi, Backup Battery
- Standard Functions: ADMS, Automatic Status Switch, T9 Input, 9 Digit User ID, Photo ID, Work Code, DST, Self Service Query, Scheduled Bell, Multi-verification Mode Access Control Interface for Third Party Electric Lock, Door Sensor and Exit Button, Alarm

Visible Light Face & Fingerprint T&A and Access Control

Anti-Spoof
With the applied CNN deep learning algorithm, anti-spoof function has been greatly enhanced and is able to prevent fake faces, photos, and video attacks.

Fast Recognition Speed
Equipped with visible light facial recognition, the recognition speed has been improved and recognition distance has been extended up to 3 meters long.

Wide Angle Acceptance
The terminal have true cognition of faces that enables larger pose angle acceptability by applying 3D rendering.

Facial & Fingerprint T&A and Access Control Device

- Display: 4.3-Inch Touch Screen
- Face Capacity: 3,000 (1:N)
- Fingerprint Capacity: 4,000
- ID Card Capacity: 10,000 (optional)
- Logs Capacity: 100,000
- Sensor: ZK Optical Sensor
- Memory: 128MB RAM/256MB Flash
- Communication: TCP/IP RS232/485, USB Host
- Power Supply: 12V 3A
- Operating Environment: 0 °C ~ 45 °C, 20%-80%
- Dimensions: 193.6*165*111 mm (Length*Width*Thickness)
- Optional Functions: MF Card, 3G, Wi-Fi, Backup Battery
- Standard Functions: ADMS, Automatic Status Switch, T9 Input, 9 Digit User ID, Photo ID, Work Code, DST, Self Service Query, Scheduled Bell, Multi-verification Mode Access Control Interface for Third Party Electric Lock, Door Sensor and Exit Button, Alarm

Features:
Infrared camera + Visible light camera
Visible light camera for identification comparison
Infrared camera available to improve anti-fake recognition

- Display: 3.3-Inch Touch Screen
- Platform: Android
- Face Capacity: 5,000 ~ 10,000 (1:N)
- Light Recognition: 0~50,000 Lux
- Hardware Display Features: Desktop / Vertical / Wall-mounted
- Optional Functions: Video Intercom, Bluetooth, Wi-Fi, Printer, QR Code Scanner
- Material: Aluminum Alloy

- Display: 4.3-Inch Touch Screen
- Face Capacity: 3,000 (1:N)
- Fingerprint Capacity: 4,000
- ID Card Capacity: 10,000 (optional)
- Logs Capacity: 100,000
- Sensor: ZK Optical Sensor
- Memory: 128MB RAM/256MB Flash
- Communication: TCP/IP RS232/485, USB Host
- Power Supply: 12V 3A
- Operating Environment: 0 °C ~ 45 °C
- Operating Humidity: 20%-80%
- Dimensions: 193.6*165.2*86 mm (Length*Width*Thickness)
- **Display**: 4.3-Inch Touch Screen
- **Face Capacity**: 3,000 (1:N)
- **Fingerprint Capacity**: 4,000
- **ID Card Capacity**: 10,000 (optional)
- **Logs Capacity**: 100,000
- **Sensor**: ZK Optical Sensor
- **Power Supply**: 12V 3A
- **Memory**: 128MB RAM/256MB Flash
- **Operating Temperature**: 0 °C – 45 °C
- **Operating Humidity**: 20%-80%
- **Communication**: TCP/IP, USB Host, Wi-Fi (optional)
- **Standard Functions**: ADMS, Automatic Status Switch, T9 Input, 9 Digit User ID, Photo ID, Work Code, DST, Self Service Query, Scheduled Bell, Multi-verification Mode Access Control Interface for Third Party Electric Lock, Door Sensor and Exit Button, Alarm
- **Optional Functions**: MF Card, 3G, 2000 mAh Backup Battery
- **Dimensions**: 193.6*165.2*86mm (Length*Width*Thickness)
- Optional Functions: MF Card, 3G, 2000 mAh Backup Battery

- **Display**: 4.3-Inch Touch Screen
- **Face Capacity**: 3,000 (1:N)
- **Fingerprint Capacity**: 4,000
- **ID Card Capacity**: 10,000 (optional)
- **Logs Capacity**: 10,000
- **Sensor**: ZK Optical Sensor
- **Power Supply**: 12V 3A
- **Memory**: 128MB RAM/256MB Flash
- **Operating Temperature**: 0 °C – 45 °C
- **Operating Humidity**: 20%-80%
- **Communication**: TCP/IP, USB Host, Wi-Fi (optional)
- **Standard Functions**: ADMS, Automatic Status Switch, T9 Input, 9 Digit User ID, Photo ID, Work Code, DST, Self Service Query, Scheduled Bell, Multi-verification Mode Access Control Interface for Third Party Electric Lock, Door Sensor and Exit Button, Alarm
- **Optional Functions**: MF Card, 3G, 2000 mAh Backup Battery
- **Dimensions**: 193.6*165.2*86mm (Length*Width*Thickness)
- Optional Functions: MF Card, 3G, 2000 mAh Backup Battery

- **Display**: 2.8-inch TFT Screen
- **Face Capacity**: 3,000 (1:N)
- **Fingerprint Capacity**: 4,000
- **ID Card Capacity**: 10,000 (optional)
- **Logs Capacity**: 100,000
- **Sensor**: SilkID Fingerprint Sensor
- **Memory**: 128MB RAM/256MB Flash
- **Communication**: TCP/IP, USB-Host, Wi-Fi (Optional)
- **Standard Functions**: ADMS, Work Code, SMS, DST, Scheduled Bell, Self-Service Query, Automatic Status Switch, Photo ID, T9 Input, Camera, 9 digit user ID, Built-in Battery, Multi-verification Mode, External Bell, Access Control Interface for Lock, Door Sensor, Exit Button, Alarm
- **Optional Functions**: ID/Mifare, External Printer
- **Power Supply**: 12V 3A
- **Operating Temperature**: 0 °C - 45 °C
- **Operating Humidity**: 20%-80%
- **Logs Capacity**: 100,000
- **Sensor**: SilkID Fingerprint Sensor
- **Memory**: 128MB RAM/256MB Flash
- **Communication**: TCP/IP, USB-Host, Wi-Fi (Optional)
- **Standard Functions**: ADMS, Work Code, SMS, DST, Scheduled Bell, Self-Service Query, Automatic Status Switch, Photo ID, T9 Input, Camera, 9 digit user ID, Built-in Battery, Multi-verification Mode, External Bell, Access Control Interface for Lock, Door Sensor, Exit Button, Alarm
- **Optional Functions**: ID/Mifare, External Printer
- **Power Supply**: 12V 3A
- **Operating Temperature**: 0 °C - 45 °C
- **Operating Humidity**: 20%-80%
- **Display**: 4.3-Inch Touch Screen
- **Face Capacity**: 3,000 (1:N)
- **Fingerprint Capacity**: 4,000
- **ID Card Capacity**: 10,000 (optional)
- **Logs Capacity**: 100,000
- **Sensor**: ZK Optical Sensor
- **Power Supply**: 12V 3A
- **Memory**: 128MB RAM/256MB Flash
- **Operating Temperature**: 0 °C – 45 °C
- **Operating Humidity**: 20%-80%
- **Communication**: TCP/IP, USB Host, WiFi (optional)
- **Standard Functions**: ADMS, Automatic Status Switch, T9 Input, 9 Digit User ID, Photo ID, Work Code, DST, Self Service Query, Scheduled Bell, Multi-verification Mode Access Control Interface for Third Party Electric Lock, Door Sensor and Exit Button, Alarm
- **Optional Functions**: MF Card, 3G, 2000 mAh Backup Battery
- **Dimensions**: 193.6*165.2*86mm (Length*Width*Thickness)
- Optional Functions: MF Card, 3G, 2000 mAh Backup Battery

- **Display**: 2.8-inch TFT Screen
- **Face Capacity**: 1,500 (1:N)
- **Fingerprint Capacity**: 2,000
- **ID Card Capacity**: 2,000 (optional)
- **Logs Capacity**: 100,000
- **Communication**: TCP/IP, USB-Host, Wi-Fi (Optional)
- **Standard Functions**: ADMS, SMS, DS, Scheduled Bell, Self-Service Query, Automatic Status Switch, Photo ID, T9 Input, Camera, 9 digit user ID, Built-in Battery, Multi-verification Mode, External Bell, Access Control Interface for Lock, Door Sensor, Exit Button, Alarm
- **Optional Functions**: ID/Mifare, External Printer
- **Power Supply**: 12V 3A
- **Operating Temperature**: 0 °C - 45 °C
- **Operating Humidity**: 20%-80%
- **Display**: 4.3-Inch Touch Screen
- **Face Capacity**: 3,000 (1:N)
- **Fingerprint Capacity**: 4,000
- **ID Card Capacity**: 10,000 (optional)
- **Logs Capacity**: 100,000
- **Sensor**: ZK Optical Sensor
- **Power Supply**: 12V 3A
- **Memory**: 128MB RAM/256MB Flash
- **Operating Temperature**: 0 °C – 45 °C
- **Operating Humidity**: 20%-80%
- **Communication**: TCP/IP, USB Host, WiFi (optional)
- **Standard Functions**: ADMS, Automatic Status Switch, T9 Input, 9 Digit User ID, Photo ID, Work Code, DST, Self Service Query, Scheduled Bell, Multi-verification Mode Access Control Interface for Third Party Electric Lock, Door Sensor and Exit Button, Alarm
- **Optional Functions**: MF Card, 3G, 2000 mAh Backup Battery
- **Dimensions**: 193.6*165.2*86mm (Length*Width*Thickness)
- Optional Functions: MF Card, 3G, 2000 mAh Backup Battery

- **Display**: 2.8-inch TFT Screen
- **Face Capacity**: 3,000 (1:N)
- **Fingerprint Capacity**: 4,000
- **ID Card Capacity**: 10,000 (optional)
- **Logs Capacity**: 100,000
- **Sensor**: ZK Optical Sensor
- **Power Supply**: 12V 3A
- **Memory**: 128MB RAM/256MB Flash
- **Operating Temperature**: 0 °C – 45 °C
- **Operating Humidity**: 20%-80%
- **Communication**: TCP/IP, USB Host, WiFi (optional)
- **Standard Functions**: ADMS, Automatic Status Switch, T9 Input, 9 Digit User ID, Photo ID, Work Code, DST, Self Service Query, Scheduled Bell, Multi-verification Mode Access Control Interface for Third Party Electric Lock, Door Sensor and Exit Button, Alarm
- **Optional Functions**: MF Card, 3G, 2000 mAh Backup Battery
- **Dimensions**: 193.6*165.2*86mm (Length*Width*Thickness)
- Optional Functions: MF Card, 3G, 2000 mAh Backup Battery
**Palm and Fingerprint T&A and Access Control Device**

- **Display**: 3-inch TFT color Display
- **Palm Capacity**: 600
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 10,000 (Optional)
- **Logs Capacity**: 100,000
- **Power Supply**: 12V 1.5A
- **Optional Functions**: ID Card, Mifare Card, PoE, Wi-Fi, Battery Module
- **Dimensions**: 179.95*134.94*38.5mm
- **Operating Temperature**: 0°C - 45°C
- **Operating Humidity**: 20%-80%

**BioPro SA10**

**P260 / P200**

**Fingerprint T&A and Access Control Device**

- **Display**: 2.8" Color Display
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 10,000 (Optional)
- **Logs Capacity**: 100,000
- **Power Supply**: 12V 1.5A
- **Optional Functions**: ID Card, Mifare Card, PoE, Wi-Fi, Battery Module
- **Dimensions**: 179.95*134.94*38.5mm
- **Operating Temperature**: 0°C - 45°C
- **Operating Humidity**: 20%-80%

**BioPro ST40-A**

**BioPro ST40-A**

- **Display**: 3-inch TFT color Display
- **Fingerprint Capacity**: 1,000
- **ID Card Capacity**: 10,000 (Optional)
- **Logs Capacity**: 100,000
- **Communication**: TCP/IP, USB (Host & Client)
- **Standard Functions**: Automatic Status Switch, ADMS, Self-Service Query, Work Code, T9 Input, 9 Digit User ID, DST, Scheduled Bell and SMS, Battery
- **INOS**: Time attendance without access
- **INOS-A**: Advanced access, Exit Button, Door Lock, Alarm, 12V OUT, AUX IN, Door Sensor, RS485, Wiegand IN/OUT
- **Optional Functions**: ID Card, Mifare Card, PoE, 3G, Battery Module
- **Power Supply**: 12V 1.5A
- **Operating Temperature**: 0°C - 45°C
- **Operating Humidity**: 20%-80%
- **Dimensions**: 179.95*134.94*38.5mm

**IN01 / IN01-A**

**IN01 / IN01-A**

- **Display**: 2.8-inch TFT color Display
- **Palm Capacity**: 600
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 10,000 (Optional)
- **Logs Capacity**: 100,000
- **Power Supply**: 12V 1.5A
- **Optional Functions**: ID Card, Mifare Card, PoE, 3G, Battery Module
- **Dimensions**: 179.95*134.94*38.5mm
- **Operating Temperature**: 0°C - 45°C
- **Operating Humidity**: 20%-80%

**BioPro ST40-A**

**BioPro ST40-A**

- **Display**: 2.8" Color Display
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 3,000 (Optional)
- **Logs Capacity**: 50,000
- **Communication**: TCP/IP, Wi-Fi (host)
- **Standard Functions**: ADMS, 9 Digit User ID, T9 Input, SMS, DST, Self-Service Query, Automatic Status Switch, Ring Bell, Access Control Interface for 3rd Party Electric Lock, Exit Button
- **Optional Functions**: ID/Mifare, RS232 External Printer
- **Power Supply**: 12V 1.5A
- **Operating Temperature**: 0°C - 45°C
- **Operating Humidity**: 20%-80%

**UA860**

**UA860**

- **Display**: 2.8” Color Display
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 3,000 (Optional)
- **Logs Capacity**: 50,000
- **Communication**: TCP/IP, Wi-Fi (host)
- **Standard Functions**: ADMS, 9 Digit User ID, T9 Input, SMS, DST, Self-Service Query, Automatic Status Switch, Ring Bell, Access Control Interface for 3rd Party Electric Lock, Exit Button
- **Optional Functions**: ID/Mifare, RS232 External Printer
- **Power Supply**: 12V 1.5A
- **Operating Temperature**: 0°C - 45°C
- **Operating Humidity**: 20%-80%
### iClock680
- **Display:** 3.5-inch TFT color Display
- **Fingerprint Capacity:** 8,000
- **ID Card Capacity:** 10,000 (Optional)
- **Logs Capacity:** 200,000
- **Sensor:** 2K Optical Sensor
- **Memory:** 128MB RAM/256MB Flash
- **Communication:** TCP/IP, RS232/485, USB (Host), Wiegand Out&In
- **Standard Functions:** Work Code, ADMS, DST, Short Message, Self-Service Query, 9 Digit User ID, T9 Input, Scheduled Bell, Automatic Status Switch, Photo ID, Anti-passback, Access Control Interface for Third Party Electric Lock, Door Sensor and Exit Button, Alarm
- **Optional Functions:** MF Card, Wi-Fi, Webserver, Wi-Fi, 3G
- **Power Supply:** 12V 1.5A
- **Operating Temperature:** 0°C - 45°C
- **Operating Humidity:** 20%-80%
- **Dimensions:** 250.6x150x41.6mm

### iClock990
- **Display:** 3.5-inch TFT color Display
- **Fingerprint Capacity:** 10,000
- **ID Card Capacity:** 10,000 (Optional)
- **Logs Capacity:** 100,000
- **Sensor:** 2K Optical Sensor
- **Memory:** 128MB RAM/256MB Flash
- **Communication:** TCP/IP, USB (Host and Client), RS232/485
- **Standard Functions:** Work Code, SMS, DST, Scheduled Bell, Self-Service Query, Automatic Status Switch, T9 Input, 9 digit user ID, Photo ID, ADMS
- **Optional Functions:** ID/Mifare, Wi-Fi
- **Power Supply:** 5V 0.8A
- **Operating Temperature:** 0°C - 45°C
- **Operating Humidity:** 20%-80%
- **Dimensions:** 192.0x140.0x42.5mm

### iClock3000
- **Display:** 3.5-inch TFT color Display
- **Fingerprint Capacity:** 20,000
- **ID Card Capacity:** 20,000 (Optional)
- **Logs Capacity:** 150,000
- **Sensor:** 2K Optical Sensor
- **Memory:** 128MB RAM/256MB Flash
- **Communication:** TCP/IP, USB (Host), Wiegand Out&In
- **Standard Functions:** Webserver, Work Code, DST, Short Message, Self-Service Query, 9 Digit User ID, T9 Input, Scheduled Bell, Automatic Status Switch, Photo ID, Anti-passback, Access Control Interface for Third Party Electric Lock, Door Sensor and Exit Button, Alarm
- **Optional Functions:** MF Card, Wi-Fi, External Printer, Wi-Fi, GPRS
- **Power Supply:** 12V 1.5A
- **Operating Temperature:** 0°C - 45°C
- **Operating Humidity:** 20%-80%
- **Dimensions:** 250.6x150x41.6mm

### BioPro ST20
- **Display:** 2.8-inch TFT color Display
- **Fingerprint Capacity:** 3,000
- **ID Card Capacity:** 10,000 (Optional)
- **Logs Capacity:** 100,000
- **Sensor:** SilkID Fingerprint Sensor
- **Memory:** 128MB RAM/256MB Flash
- **Communication:** TCP/IP, USB (Host and Client), RS232/485
- **Standard Functions:** Webserver, Work Code, SMS, DST, Scheduled Bell, Self-Service Query, Automatic Status Switch, T9 Input, 9 digit user ID, Photo ID, ADMS
- **Optional Functions:** ID/Mifare, Wi-Fi
- **Power Supply:** 5V 0.8A
- **Operating Temperature:** 0°C - 45°C
- **Operating Humidity:** 20%-80%
- **Dimensions:** 192.0x140.0x42.5mm

### BioPro ST30
- **Display:** 2.8-inch TFT color Display
- **Fingerprint Capacity:** 3,000
- **ID Card Capacity:** 10,000 (Optional)
- **Logs Capacity:** 100,000
- **Sensor:** SilkID Fingerprint Sensor
- **Memory:** 128MB RAM/256MB Flash
- **Communication:** TCP/IP, USB (Host and Client)
- **Standard Functions:** Webserver, Work Code, SMS, DST, Scheduled Bell, Self-Service Query, Automatic Status Switch, T9 Input, 9 digit user ID, Photo ID, ADMS
- **Optional Functions:** ID/Mifare, Wi-Fi
- **Power Supply:** 5V 0.8A
- **Operating Temperature:** 0°C - 45°C
- **Operating Humidity:** 20%-80%
- **Dimensions:** 192.0x140.0x42.5mm

### BioPro ST40
- **Display:** 3-inch TFT color Display
- **Fingerprint Capacity:** 3,000
- **ID Card Capacity:** 10,000 (Optional)
- **Logs Capacity:** 100,000
- **Sensor:** BioID Sensor
- **Memory:** 128MB RAM/256MB Flash
- **Communication:** TCP/IP, USB, Wi-Fi
- **Standard Functions:** Automatic Status Switch, ADMS, Self-Service Query, T9 Input, 9 digit User ID, DST, Scheduled Bell, Battery, Wi-Fi
- **Optional Functions:** ID Card, Mifare Card, PoE, 3G, Battery Module
- **Power Supply:** 12V 1.5A
- **Operating Temperature:** 0°C - 45°C
- **Operating Humidity:** 20%-80%
- **Dimensions:** 179.95*134.94*38.5mm
**Portable Fingerprint Time Attendance Device**

- **S922**

**Features:**
- IP65 rated waterproof and dustproof protection grade
- Shockproof (1 m above the ground)
- Built-in 7600 mAh backup battery
- Rubber coated protection

<table>
<thead>
<tr>
<th>Model</th>
<th>S922</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>3.5” TFT Screen</td>
</tr>
<tr>
<td>Fingerprint Capacity</td>
<td>50,000</td>
</tr>
<tr>
<td>Sensor</td>
<td>50,000</td>
</tr>
<tr>
<td>Logs Capacity</td>
<td>800,000</td>
</tr>
<tr>
<td>Communication</td>
<td>TCP/IP, USB-Host</td>
</tr>
<tr>
<td>Sensor</td>
<td>ZK Optical sensor</td>
</tr>
<tr>
<td>Memory</td>
<td>128MB RAM / 256MB Flash</td>
</tr>
<tr>
<td>Standard Functions</td>
<td>Work Code, DST, Short Message, Self Service Query, 9 Digit User ID, T9 Input, Automatic Status Switch, Photo ID, ADMS, Backup Battery, ID Card</td>
</tr>
<tr>
<td>Optional Functions</td>
<td>MF Card, HID Card, Wi-Fi, 3G</td>
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<tr>
<td>Power Supply</td>
<td>12V 3A</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 °C - 45 °C</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>20%-80%</td>
</tr>
<tr>
<td>Dimension</td>
<td>225<em>235</em>125mm</td>
</tr>
</tbody>
</table>

**Wireless Fingerprint Time and Attendance Device**

- **WL10**
- **WL20**
- **WL30**

**Model | WL10 | WL20 | WL30**
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>2.8” TFT Color Screen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fingerprint Capacity</td>
<td>1,000 / 1,500 (without SSR)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensor</td>
<td>BioID sensor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Logs Capacity</td>
<td>50,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>USB Host, Wi-Fi (WLAN/ Hotspot)</td>
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<tr>
<td>Standard Functions</td>
<td>DST, Self-Service Query, 9-digit User ID, Automatic Status Switch, Scheduled Bell, T9 Input, SSR Report</td>
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<tr>
<td>Power Supply</td>
<td>5V 800mA</td>
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<tr>
<td>Operating Temperature</td>
<td>0 °C - 45 °C</td>
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</tr>
<tr>
<td>Operating Humidity</td>
<td>20%-80%</td>
<td></td>
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</tr>
</tbody>
</table>

**TA Assistant APP**

- **Supports iOS 8.0 and above and Android 4.0 and above.**

TA Assistant APP can completely replace USB disk. It can easily download reports by shaking the mobile phone when in the dashboard interface.

It can cancel the reports, manage the download, set the shift, etc. It can also share attendance reports by e-mail.

**Features:**
- Shaking to download reports
- Shift and report management
- Attendance rules settings
BioTime 7.0 is a powerful web-based time attendance software which offers the most innovative features a time attendance software can offer. It provides a stable communication for devices through LAN/WAN/Wi-Fi/GPRS/3G. Users can access to the software anywhere by their web browser to remotely manage thousands of T&A terminals under complex network (WLAN).

The software features a simple access control module that can connect to ZKTeco standalone access control terminals. Another outstanding feature is the payroll module that calculate employees' wages according to their workloads and can generate WPS report easily.

An Automatic Synchronization function is available to automatically synchronize data between devices and server among the same “Area.” With its new user-friendly UI, managing timetable, shifting schedule, and generating attendance report have become easily managed.

### Features:

- Simple Access Control Module
- Payroll Management and WPS
- Auto-Synchronization of Biometric Templates
- Embedded HR Integration
- Multi-Level Approvals and Automatic E-mail Alerts
- Flexible Shift Scheduling and Auto Shift
- Employee Self Service and Multiple Admin Privilege
- Multi-Languages
- Attendance Calculation and Reports
- Real-Time Data Transmission

### Software Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Server/Browser</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Architecture</td>
<td>Server/Browser</td>
</tr>
<tr>
<td>Device Capacity</td>
<td>500 Single Server</td>
</tr>
<tr>
<td>Database</td>
<td>PostgreSQL (Default) / MS SQL Server 2005/2008/2012/2014 (Recommended) / MySQL / Oracle 11g</td>
</tr>
<tr>
<td>Suggested Browsers</td>
<td>IE 11+ / Firefox 27+ / Chrome 33+</td>
</tr>
<tr>
<td>Monitor Resolution</td>
<td>1024 x 768 or Above</td>
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</tbody>
</table>

### Hardware Requirements

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<tr>
<th>Device</th>
<th>100</th>
<th>200</th>
<th>500+</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Intel i3 Quad Core</td>
<td>Intel i5 Magny-Cours</td>
<td>Intel i7 Magny-Cours</td>
</tr>
<tr>
<td>RAM</td>
<td>4G</td>
<td>8G</td>
<td>16G</td>
</tr>
<tr>
<td>Storage</td>
<td>Available space of 100G or above. (We recommend using NTFS hard disk partition as the software installation directory.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ZKBioTime APP

ZKBioTime APP is a real-time attendance solution which offers convenience and efficiency to industries that has employees who are always on-the-go. Employees who are going for training, business meetings, site visits, etc. can report their attendance wherever they are just by using their smart phones.

**Features:**
- Easy Operation: Maximum two-step navigation
- Real-time attendance with geographic location details
- Real-time notifications and updates
- Attendance approvals by the Admin or Approver
- Online employee requests and status
- Easily displays the timetable and shift schedule
- Public and private announcements
- User-friendly interfaces for Admin and employees

### Download:

- [Google Play](#)
- [App Store](#)
ZKTeco’s Access Control Product line is composed 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.
**Standalone Terminal - Multi-Biometric**

- **BioPro FV30**
  - Display: 2.8-inch Capacitive Screen
  - Face Capacity: 1,000
  - Fingerprint Capacity: 2,000
  - Card Capacity: 5,000 (Optional); ID/Mifare card
  - Transaction Capacity: 150,000 Transactions
  - Sensor: BioID Fingerprint Sensor
  - Communication: TCP/IP, USB-host, RS485
  - Power Supply: 12V 3A
  - Operating Environment: 0 °C - 45 °C, 20%-80%
  - Dimensions: 183*80*42mm (L*W*T)

- **BioPro MV30**
  - Display: 2.8-inch TFT LCD Color Screen
  - Face Capacity: 3,000 (1N)
  - Fingerprint Capacity: 4,000
  - Card Capacity: 10,000 (Optional); ID/Mifare or HID card
  - Transaction Capacity: 100,000 Transactions
  - Algorithm Version: ZKFace VX7.0
  - Communication: RS485, TCP/IP, USB-host
  - Power Supply: 12V 3A
  - Operating Environment: -10 °C - 50 °C, 20%-80%
  - SDK: Standalone SDK
  - Aux. Input: 1ea for linkage function
  - Access Control Interface: 3rd Party Electric Lock, Door Sensor, Exit Button, Alarm, Doorbell, Wiegand In/Out
  - Standard Function: DST, Automatic Status Switch, Anti-passback, Scheduled-Bell, ADMS

**Standalone Terminal - Fingerprint**

- **BioPro FV30**
  - Display: 2.4-Inch TFT LCD Color Screen
  - Fingerprint Capacity: 3,000
  - Card Capacity: 5,000 (optional)
  - Logs Capacity: 100,000
  - Sensor: SilkID Fingerprint Sensor
  - Communication: TCP/IP, USB Host, RS232/485
  - Power Supply: 12V 3A
  - Operating Environment: 0 °C - 45 °C, 20%-80%
  - Dimensions: 205*86*45mm (L*W*T)
  - Optional Functions: ID/MF card, Photo ID, Printer, T9 Input

- **BioPro SA50**
  - Display: 2.4-Inch TFT LCD Color Screen
  - Fingerprint Capacity: 3,000
  - Card Capacity: 10,000 (Optional); ID/Mifare or HID card
  - Communication: RS485, TCP/IP, USB-host, Wi-Fi (Optional)
  - Power Supply: 12V 3A
  - Operating Environment: -10 °C - 45 °C, 20%-80%
  - Aux. Input: 1ea for linkage function
  - Access Control Interface: 3rd Party Electric Lock, Door Sensor, Exit Button, Alarm, Doorbell
  - Wiegand Signal: Input, Output, SRB
  - Standard Function: DST, Automatic Status Switch, Anti-passback, Scheduled-Bell, Printer (Optional), External FP reader, ADMS, PoE (Optional)
- **Display**: N/A
- **Fingerprint Capacity**: 1,500
- **ID Card Capacity**: 10,000
- **Logs Capacity**: 100,000
- **Sensor**: ZK Optical Sensor
- **Communication**: TCP/IP, USB Host, RS485
- **Operating Environment**: -10 °C to 60 °C, 10%-90%
- **Protection Rate**: IP65
- **Dimensions**: 148*73*34.5mm (L*W*T)
- **Gross Weight**: 1.15kg
- **Standard Functions**: 9 Digit User ID, External RS485 fingerprint reader, Anti-passback, DoorBell, Multi-verification method
- **Optional Functions**: MF/HID card, SRB, Multi-verification method

---

- **Display**: 2.4-Inch TFT Color Screen
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 10,000
- **Logs Capacity**: 100,000
- **Sensor**: BioID Fingerprint Sensor
- **Communication**: TCP/IP, USB Host, RS232/485
- **Operating Environment**: 0 °C to 45 °C, 20%-80%
- **Optional Functions**: MF/MIFare card, Photo ID, Printer, T9 Input
- **Standard Functions**: Automatic Status Switch, Self-Service Query, Scheduled Bell, DST, 9 Digit User ID, External RS485 fingerprint reader, Anti-passback, Multi-verification, Wiegand in/Out, SRB, ADMS

---

- **Display**: 2.4-Inch TFT LCD Color Screen
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 5,000 (Optional)
- **Logs Capacity**: 30,000
- **Sensor**: ZK Optical Sensor
- **Communication**: TCP/IP, USB Host, RS232/485, Wi-Fi
- **Power Supply**: 12V 3A
- **Operating Environment**: -10 °C to 50 °C
- **Dimensions**: 185*62.5*41.5mm (L*W*H)
- **Protection Rate**: IP65
- **Access Control Interface**: 3rd Party Electric Lock, Door Sensor, Exit Button, Alarm
- **Standard Functions**: DST, Automatic Status Switch, Record query, T9 input, 14 digit user ID, Anti-passback, Scheduled-Bell, ADMS, Wiegand in/Out, ADMS
- **Optional Functions**: T9 Input

---

- **Display**: 2.4-Inch TFT LCD Color Screen
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 10,000
- **Logs Capacity**: 100,000
- **Sensor**: BioID / Silkid Sensor
- **Communication**: TCP/IP, USB Host, RS232/485
- **Power Supply**: 12V 3A
- **Operating Environment**: -10 °C to 50 °C
- **Dimensions**: 185*62.5*41.5mm (L*W*H)
- **Protection Rate**: IP65
- **Access Control Interface**: Infrared detection fingerprint sensor
- **Standard Functions**: 9 Digit User ID, External RS485 fingerprint reader, Anti-passback, Multi-verification, Wiegand in/Out
- **Logs Capacity**: 100,000
- **Sensor**: ZK Optical Sensor
- **Power Supply**: 12V 3A
- **Optional Functions**: Webserver, Work Code, Printer, Wireless Doorbell
- **Operating Temperature**: 0 °C to 45 °C, 20%-80%

---

- **Display**: 2.4-Inch TFT Color Screen
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 5,000 (optional)
- **Logs Capacity**: 100,000
- **Sensor**: BioID Fingerprint Sensor
- **Dimensions**: 205*96*45mm (T*W*H)
- **Power Supply**: 12V 3A
- **Communication**: TCP/IP, USB Host, RS232/485
- **Operating Environment**: 0 °C to 45 °C, 20%-80%
- **Optional Functions**: ID/MIFare card, Photo ID, Printer, T9 Input
- **Standard Functions**: Automatic Status Switch, Self-Service Query, Scheduled Bell, DST, 9 Digit User ID, External RS485 fingerprint reader, Anti-passback, Multi-verification, Wiegand in/Out, SRB, ADMS
- **Optional Functions**: MF/HID card, SRB, Multi-verification method

---

- **Display**: 2.4-Inch TFT Color Screen
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 5,000 (Optional)
- **Logs Capacity**: 30,000
- **Sensor**: BioID / Silkid Sensor
- **Communication**: TCP/IP, USB Host, RS232/485, Wi-Fi
- **Power Supply**: 12V 3A
- **Operating Environment**: -10 °C to 50 °C
- **Dimensions**: 185*62.5*41.5mm (L*W*H)
- **Access Control Interface**: Infrared detection fingerprint sensor
- **Standard Functions**: 9 Digit User ID, External RS485 fingerprint reader, Anti-passback, Multi-verification, Wiegand in/Out
- **Logs Capacity**: 100,000
- **Sensor**: ZK Optical Sensor
- **Power Supply**: 12V 3A
- **Optional Functions**: Webserver, Work Code, Printer, Wireless Doorbell
- **Operating Temperature**: 0 °C to 45 °C, 20%-80%

---

- **Display**: 2.4-Inch TFT LCD Color Screen
- **Fingerprint Capacity**: 3,000
- **ID Card Capacity**: 5,000 (Optional)
- **Logs Capacity**: 30,000
- **Sensor**: BioID / Silkid Sensor
- **Communication**: TCP/IP, USB Host, RS232/485
- **Power Supply**: 12V 3A
- **Operating Environment**: -10 °C to 50 °C
- **Dimensions**: 185*62.5*41.5mm (L*W*H)
- **Protection Rate**: IP65
- **Sensor**: BioID / Silkid Sensor
- **Communication**: TCP/IP, USB Host, RS232/485
- **Power Supply**: 12V 3A
- **Operating Environment**: -10 °C to 50 °C
- **Dimensions**: 185*62.5*41.5mm (L*W*H)
- **Protection Rate**: IP65
- **Optional Functions**: MF/HID card, SRB, Multi-verification method
- **Standard Functions**: Automatic Status Switch, Self-Service Query, Record query, T9 input, 14 digit user ID, Anti-passback, Scheduled-Bell, ADMS, Wiegand in/Out, ADMS
- **Optional Functions**: T9 Input

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- **Display**: 128 x 64 OLED
- **Fingerprint Capacity**: 3,000 (8,000 Optional)
- **ID Card Capacity**: 30,000
- **Logs Capacity**: 50,000 (100,000 Optional)
- **Sensor**: Infrared detection fingerprint sensor
- **Communication**: TCP/IP, USB Host, RS485
- **Power Supply**: 12V 3A
- **Operating Environment**: -10 °C to 50 °C
- **Protection Rate**: IP65
- **Dimensions**: 185*62.5*41.5mm (L*W*H)
- **Standard Functions**: 9 Digit User ID, External RS485 fingerprint reader, Anti-passback, ID card, Webserver, SMS, DST, Multi-verification method, Wiegand in/Out
- **Optional Functions**: MF card, SRB, Workcode, Self-Service Query
SF400

- Fingerprint Capacity: 1,500
- ID Card Capacity: 5000 (Optional)
- Optional Functions: ID/MF card, Scheduled Bell, External Bell

X8s

- Fingerprint Capacity: 500
- ID Card Capacity: 500
- Standard Functions: ID card, Simple access control, DoorBell, Multi-verification method
- Optional Functions: Mifare Card
- Power Supply: 12V 3A
- Operating Environment: 0 °C-45 °C, 20%-80%

Standalone Terminal - RFID

SCR100

- Transaction Capacity: 30,000
- Communication: TCP/IP, RS232/485, USB-Host
- Standard Functions: Anti-passback, Webserver, 9 digital number, Wiegand input/output
- Optional Functions: MF Card
- Access Control Interface: 3rd party electric lock, door sensor, exit button, alarm, door bell
- Power Supply: 12V/3A
- Operating Temperature: 0°C – 45°C, 20%-80%
- Dimension (L*W*H): 153*95.5*35.5 mm

DF-V1/H1

- Card Capacity: 1,000
- Password Capacity: 1,000
- Standard Functions: EM card, Wiegand out, 1 ea Auxiliary Input for linkage function
- Optional Functions: MF Card
- Access Control Interface: Electric lock, door sensor, exit button, alarm, door bell
- Power Supply: 12V/3A
- Ingress Protection Rate: IP65
- Operating Temperature: -20°C-50°C, < 95%
- Dimension (L*W*H): 135.8*55.7*22.2 mm

SC405

- Card Capacity: 30,000
- Transaction Capacity: 80,000
- Communication: TCP/IP, RS485, USB-Host
- Standard Functions: Anti-passback, Wiegand Output & Input, S7B, 1ea for linkage function
- Optional Functions: MF Card, Print Function
- Access Control Interface: 3rd party electric lock, door sensor, exit button, alarm
- Power Supply: 12V/3A
- Operating Temperature: 0°C – 45°C
- Dimension (L*W*H): 143*96*42 mm

U1000/2000

U1000E/F

- Card Capacity: 5,000 cards
- Transactions: 30,000
- Hardware Platform: ZMM220
- Working Frequency:
  - F Series: 902MHz-928MHz
  - E Series: 865MHz-868MHz
- Reading Distance:
  - U1000: 0-6 meters
  - U2000: 0-12 meters
- Communication: TCP/IP (connect access software), USB (connect demo)
- Access Control Interface: 3rd Party Electric Lock, Door Sensor, Exit Button, Alarm, Wiegand In/Out
- Antenna Gain: 8dBi/12dBi
- Output Power: 18dBm - 26dBm
- Support Software: ZKAccess3.5, ZKBioSecurity3.0
- Power Supply: DC12V, 3A
- Working Temperature: -20°C-+60°C
- Working Humidity: ≤95% (25°C)
- Dimension: U1000: 250mm*250mm*70mm (±5)
  U2000: 445mm*445mm*70mm (±5)

U2000E/F

- Access Control Functions: Standard access functions, anti-passback
- Antenna Gain: 8dBi/12dBi
- Output Power: 18dBm - 26dBm
- Support Software: ZKAccess3.5, ZKBioSecurity3.0
- Power Supply: DC12V, 3A
- Working Temperature: -20°C-+60°C
- Working Humidity: ≤95% (25°C)
- Dimension: U1000: 250mm*250mm*70mm (±5)
  U2000: 445mm*445mm*70mm (±5)
Control Panel - InBio Series

- **Model**: inBio160, inBio260, inBio460
- **Doors Controlled**: 1 door, 2 doors, 4 doors
- **Readers Supported**: 4 (2 RS485, 2 26-bit Wiegand), 8 (4 RS485, 4 26-bit Wiegand), 12 (8 RS485, 4 26-bit Wiegand)
- **Number of Inputs**: 3 exit Device and Door Status, 1 AUX
- **Number of Outputs**: 2 (1-Form C Relay for Lock and 1-From C Relay for Aux Output)
- **Dimensions**: 185*106*36 mm
- **Package Weight**: 3.6kg
- **Card Holders Capacity**: 30,000
- **Fingerprint Capacity**: 30,000 (optional 20,000)
- **Log Events Capacity**: 100,000
- **Types of Readers**: 26-bit Wiegand and RS485 FR Series Reader

Control Panel - C3 Series

- **Model**: C3-100, C3-200, C3-400
- **Doors Controlled**: 1 door, 2 doors, 4 doors
- **Readers Supported**: 2, 4, 4
- **Number of Inputs**: 2 (Exit Device and Door Status)
- **Number of Outputs**: 2 (1-Form C Relay for Lock and 1-Form C Relay for Aux Output)
- **Dimensions**: 160*140*31.6 mm
- **Package Weight**: 3.35kg
- **Card Holders Capacity**: 30,000
- **Log Events Capacity**: 100,000
- **Types of Readers**: 26-bit Wiegand and RS485 FR Series Reader

Control Panel - Elevator Control

- **Model**: EC10, EX16
- **Floor Button Control Relay**: 10, 16
- **Fingerprint Capacity**: 3,000, 16
- **RFID Card Capacity**: 30,000, 100,000
- **Event Capacity**: 100,000
- **Number of Supported EX16**: 3, 3
- **Communication**: TCP/IP and RS485, Wi-Fi, RS485
- **Power Supply**: 12V DC 1A
- **Net Weight**: 0.24kg, 0.8kg
- **Dimension**: 242*95*60mm (L*D*H), 160x106mm (LxDxH)
**Reader - Fingerprint**

- **FR1500-WP**
  - **Sensor**: BioID, SilkID (Optional)
  - **Algorithm**: ZKFinger v1.0
  - **Communication**: RS485
  - **CPU**: 1.0 GHz
  - **Optional Functions**: MF Card, HID Prox Card, HID class Card
  - **Ingress Protection Rate**: IP65
  - **Hardware**: Buzzer Prompt, Indicator Light

- **FR1200**
  - **Sensor**: ZK Small-sized sensor
  - **Algorithm**: ZKFinger v1.0
  - **Communication**: RS485
  - **Standard Functions**: ID Card
  - **Protection Grade**: IP65
  - **Hardware**: Buzzer Prompt, Indicator Light

- **FR1300**
  - **Sensor**: ZK Infrared Optical Sensor
  - **Algorithm**: ZKFinger v1.0
  - **Communication**: RS485
  - **Standard Functions**: ID Card
  - **Protection Grade**: IP65
  - **Hardware**: Buzzer Prompt, Indicator Light

**Reader - Long Distance Reader**

- **UHF1-5E**
  - **Model**: KRxxx-E
  - **Frequency**: 865MHz-868MHz (E), 902MHz - 928MHz (F)
  - **Shell Material**: Die-casting aluminum shell, Antenna panel with engineering plastics
  - **Trading Time**: ≤200ms
  - **I/O Interface**: Supports external trigger
  - **Maximum Power Consumption**: <3W (RF output 63dBm, multiple tags), <2W (RF output 63dBm, Single tag)
  - **Dimensions**: 205*86*45mm (L*W*H)

- **UHF1-10E**
  - **Model**: KRxxx-M
  - **Frequency**: 865MHz-868MHz (E), 902MHz - 928MHz (F)
  - **Shell Material**: Die-casting aluminum shell, Antenna panel with engineering plastics
  - **Trading Time**: ≤300ms
  - **I/O Interface**: Supports external trigger
  - **Maximum Power Consumption**: <3W (RF output 63dBm, multiple tags), <2W (RF output 63dBm, Single tag)
  - **Dimensions**: 205*86*45mm (L*W*H)

**Reader - ID Reader**

**KR500 Series**

- **KR500E/M**
  - **Read Range**: KRxxxE: Up to 10CM; KRxxxM: Up to 2CM
  - **Reading Time**: ≤200ms
  - **Output Port**: External LED Control; External Buzzer Control
  - **Power/Current**: DC 6-14V / Max.70mA
  - **LED**: Red and Green LEDs

- **KR501E/M**
  - **Read Range**: KRxxxE: Up to 10CM; KRxxxM: Up to 2CM
  - **Reading Time**: ≤300ms
  - **Input Port**: External LED Control; External Buzzer Control
  - **Output Port**: KRxxxE: 26bit Wiegand (Default), KRxxxM: 34bit Wiegand (Default)
  - **Power/Current**: DC 6-14V / Max.70mA
  - **LED**: Red and Green LEDs

- **KR502E/M**
  - **Operating Temperature**: -10 °C - 45 °C
  - **Material**: ABS+PC with texture
  - **Operating Humidity**: 10% to 90% relative humidity non-condensing
  - **Beeper**: Yes
  - **Index of Protection**: KR500-E/M: IP65; KR501-E/M: IP65

- **KR503E/M**
  - **Operating Temperature**: -10 °C - 45 °C
  - **Material**: ABS+PC with texture
  - **Operating Humidity**: 10% to 90% relative humidity non-condensing
  - **Beeper**: Yes
  - **Index of Protection**: KR500-E/M: IP65; KR501-E/M: IP65

**KR600 Series**

- **KR600E/M**
  - **Read Range**: KRxxxE: Up to 10CM; KRxxxM: Up to 2CM
  - **Reading Time**: ≤200ms
  - **Input Port**: External LED Control; External Buzzer Control
  - **Output Port**: KRxxxE: 26bit Wiegand (Default)
  - **Power/Current**: DC 6-14V / Max.70mA
  - **Wiegand Signal**: KR702E: Wiegand 26; KR702M: Wiegand 34
  - **Operating Temperature**: -10 °C - 45 °C
  - **Material**: ABS+PC with texture
  - **Operating Humidity**: 10% to 90% relative humidity non-condensing
  - **Beeper**: Yes

- **KR601E/M**
  - **Read Range**: KRxxxE: Up to 10CM; KRxxxM: Up to 2CM
  - **Reading Time**: ≤300ms
  - **Input Port**: External LED Control; External Buzzer Control
  - **Output Port**: KRxxxE: 26bit Wiegand (Default), KRxxxM: 34bit Wiegand (Default)
  - **Power/Current**: DC 6-14V / Max.70mA
  - **Wiegand Signal**: KR702E: Wiegand 26; KR702M: Wiegand 34
  - **Operating Temperature**: -10 °C - 45 °C
  - **Material**: ABS+PC with texture
  - **Operating Humidity**: 10% to 90% relative humidity non-condensing
  - **Beeper**: Yes
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

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

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

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
• Sensor: SilkID Sensor
• Protection Grade: IP65

X8-BT
Newest Bluetooth Access Control Terminal
Commpatible Size, Economic, ZKBioBT Apps Ready

Features:
• Fingerprint Capacity: 500 templates
• ID Card Capacity: 500
• 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 - Fingerprint

- **Display:** 2.4 inches TFT LCD Screen
- **Fingerprints Capacity:** 20,000
- **Card Capacity:** 20,000
- **User Photo:** 7,000
- **Event Photo:** 7,000
- **Access Control Interface:** Lock Relay Output, Alarm Output/Auxiliary Input, Exit Button/Door Sensor, Doorbell Output
- **Power:** Operating Voltage 12V DC, Current Draw < 500mA
- **Transaction:** 100,000
- **Compatibility:** Wiegand Slave Reader, RS485 FP Slave Reader, ZKBioSecurity Software, BioTime 7.0
- **Additional Info:**
  - **Working Temperature:** -10 °C ~ 50 °C
  - **Dimensions:** 195.5 × 87 × 35 mm
  - **Fingerprint Algorithm:** ZKFinger v10.0

## Access Control - Finger Vein

- **Display:** 2.4 inches TFT LCD Screen
- **Fingerprints Capacity:** 20,000
- **Card Capacity:** 20,000
- **User Photo:** 3,000
- **Event Photo:** 7,000
- **Access Control Interface:** Lock Relay Output, Alarm Output/Auxiliary Input, Exit Button/Door Sensor, Doorbell Output
- **Power:** Operating Voltage 12V DC, Current Draw < 500mA
- **Transaction:** 100,000
- **Compatibility:** Wiegand Slave Reader, RS485 FP Slave Reader, ZKBioSecurity Software
- **Additional Info:**
  - **Working Temperature:** -10 °C ~ 50 °C
  - **Dimensions:** 200.5 × 88.5 × 28.7 mm
  - **Fingerprint Algorithm:** ZKFinger v10.0
**Access Control - Face**

- Display: 2.4 inches TFT LCD Screen
- Card Type: 125KHz EM Reader/ Mifare (Optional)
- Face Capacity: 2,000 (1:N) 4,000 (1:1)
- Card Capacity: 10,000
- User Photo: 4,000
- Event Photo: 2,000
- Access Control Interface: Lock Relay Output, Alarm Output/Auxiliary Input, Exit Button/Door Sensor, Doorbell Output
- Transaction: 100,000
- Compatibility: Wiegand Slave Reader, ZKBioSecurity Software
- Power: Operating Voltage 12V DC, Current Draw < 500mA
- Additional Info: Working Temperature: -10 °C – 50 °C
- Dimensions: 190.5 x 85 x 103 mm
- ZKFace v7.0 Algorithm

**Access Control - Multi-Biometric**

- Display: 2.8" TFT LCD Touch Screen
- Face Capacity: 2,000 (1:N) 4,000 (1:1)
- Fingerprints Capacity: 4,000
- Card Capacity: 10,000
- User Photo: 4,000
- Event Photo: 2,000
- Access Control Interface: Lock Relay Output, Alarm Output/Auxiliary Input, Exit Button/Door Sensor, Doorbell Output
- Transaction: 100,000
- Compatibility: Wiegand Slave Reader, RS485 FP Slave Reader, ZKBioSecurity Software, BioTime 7.0
- Additional Info: Working Temperature: -10 °C – 50 °C
- Dimensions: 203 x 97 x 35 mm
- ZKFace v7.0 Face Algorithm & ZKFinger v10.0 Finger Algorithm

**Access Control - RFID**

- Display: 2.4 inches TFT LCD Screen
- Card Capacity: 50,000
- User Photo: 3,000
- Event Photo: 7,000
- Access Control Interface: Lock Relay Output, Alarm Output/Auxiliary Input, Exit Button/Door Sensor, Doorbell Output
- Communication: TCP/IP, USB Host, Wiegand Input/Output, Security Relay Box
- Hardware: 1.2GHz Dual Core CPU, Memory 128MB RAM/256MB Flash, Hi-Fi Voice & Indicator, Tamper Switch Alarm
- Standard Functions: Access Levels/Groups/Holidays, DST/Bell Schedule, Duress Mode (Password), Anti-Passback, Record Query, Custom Wallpaper & Screen Saver
- Special Functions: Multiple Verification Modes, Event Snapshot, User Photo (Optional), ZK Encrypted Card (Optional)
- Transaction: 100,000
- Compatibility: Wiegand Slave Reader, ZKBioSecurity Software
- Power: Operating Voltage 12V DC, Current Draw < 500mA
- Additional Info: Working Temperature: 0 °C – 50 °C
- Dimensions: 195.5 x 87 x 35 mm
- ZKFace v7.0 Face Algorithm & ZKFinger v10.0 Finger Algorithm

**Access Control - Multi-Biometric**

- Display: 2.8 inches TFT LCD Touch Screen
- Fingervein Capacity: 1,500
- Fingerprint Capacity: 1,500
- Card Capacity: 2,000
- Access Control Interface: Lock Relay Output, Alarm Output/Auxiliary Input, Exit Button/Door Sensor, Doorbell Output
- Transaction: 100,000
- Compatibility: Wiegand Slave Reader, ZKBioSecurity Software
- Additional Info: Working Temperature: -10 °C – 50 °C
- Dimensions: 201.7 x 85 x 102.7 mm
- ZKVein v3.0 & ZKFinger v10.0 Algorithms

**Access Control - Multi-Biometric**

- Display: 2.8 inches TFT LCD Touch Screen
- Fingerprints Capacity: 1,500
- Card Capacity: 1,500
- Access Control Interface: Lock Relay Output, Alarm Output/Auxiliary Input, Exit Button/Door Sensor, Doorbell Output
- Transaction: 100,000
- Compatibility: Wiegand Slave Reader, ZKBioSecurity Software, BioTime 7.0
- Additional Info: Working Temperature: -10 °C – 50 °C
- Dimensions: 201.7 x 85 x 102.7 mm
- ZKVein v3.0 & ZKFinger v10.0 Algorithms

**Additional Info:**

- Communication: TCP/IP, USB Host, Security Relay Box
- Hardware: 1.2GHz High Speed CPU, Memory 128MB RAM / 256MB Flash, SiIMD FingerPrint Sensor, 125KHz EM Reader / Mifare (Optional), Hi-Fi Voice & Indicator, Tamper Switch Alarm, Dual IR Camera
- Standard Functions: Access Levels/Groups/Holidays, DST/Bell Schedule, Duress Mode, Anti-Passback, Record Query, Custom Wallpaper & Screen Saver
- Special Functions: Multiple Biometric Verification Modes, Alive Finger Detection, Event Snapshot, User Photo, ZK Encrypted Card (Optional)
### Access Control - Control Panel

<table>
<thead>
<tr>
<th>Model</th>
<th>inBio Pro 160</th>
<th>inBio Pro 260</th>
<th>inBio Pro 460</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of doors controller</td>
<td>1 Door</td>
<td>2 Door</td>
<td>4 Door</td>
</tr>
<tr>
<td>Numbers of Readers Supported</td>
<td>4 (2 RS-485 Reader, 2 wiegand reader)</td>
<td>8 (4 RS-485 Reader, 4 wiegand reader)</td>
<td>12 (8 RS-485 Reader, 4 wiegand reader)</td>
</tr>
<tr>
<td>Types of Readers Supported</td>
<td>Wiegand and RS485 FR Series Reader</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Inputs</td>
<td>3 (Exit Button and Door Status, 1 AUX)</td>
<td>6 (2 Exit Button and 2 Door Status, 2 AUX)</td>
<td>12 (4 Exit Button and 4 Door Status, 4 AUX)</td>
</tr>
<tr>
<td>Number of Outputs</td>
<td>2 (1-Form C Relay for Lock and One Form C Relay for Aux Output)</td>
<td>4 (2-Form C Relay for Lock and 2 Form C Relay for Aux Output)</td>
<td>8 (4-Form C Relay for Lock and 4 Form C Relay for Aux Output)</td>
</tr>
<tr>
<td>Card Capacity</td>
<td>60,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fingerprint Capacity</td>
<td>20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Log Events Capacity</td>
<td>100,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>TCP/IP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>9.6V-14.4V DC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Environment</td>
<td>0-45 °C, 20% – 80%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Package Dimension</td>
<td>350(L)x90(W)x300(mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension (without Metal Box)</td>
<td>inBio Pro 160 Pro: 185(L)x106(W)x36(H)mm; inBio Pro 260 Pro: 226(L)x106(W)x36(H)mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Access Control - Reader

- **Model:**
  - ProlID10
  - ProlID20
  - ProlID30
  - ProlID40
- **Card Type:** 125KHz EM, 13.56MHz MIFARE, DESFire, FeliCa or Legic
- **Read Range:** EM/IC Card 3.5cm
- **Output Format:** Wiegand 26bit or 34bit Adjustable
- **Input Port:** External LED Control, External Buzzer Control
- **Material:** ABS+PC
- **Index Protection:** IP65
- **Card Type:** 125KHz EM, 13.56MHz MIFARE, DESFire, FeliCa or Legic
- **Read Range:** EM/IC Card 3.5cm
- **Output Format:** Wiegand 26bit or 34bit Adjustable
- **Input Port:** External LED Control, External Buzzer Control
- **Material:** ABS+PC
- **Index Protection:** IP65

### Time Attendance - Fingerprint T&A Device

#### G1
- **Software:** BioTime 7.0
- **Additional Info:**
  - **Working Temperature:** 0 °C – 45 °C
  - **Dimensions:** 190.08 × 140 × 42.9 mm
  - **Fingerprint Algorithm:** ZKFinger v10.0
- **Communication:** TCP/IP, USB Host, USB Client
- **Hardware:** 1.2GHz High Speed CPU, Memory 128MB RAM / 256MB Flash, SilkID Fingerprint Sensor, Hi-Fi Voice & Indicator
- **Standard Functions:** Work Code/ADMS, DST/Bell Schedule, ID Card, Photo ID, Attendance Status Auto-Switch, Record Query, Custom Wallpaper & Screen Saver
- **Optional Functions:** HID Proxy / Mifare Card Reader, Wi-Fi, External Printer
- **Special Functions:** Multiple Verification Modes, Alive Finger Detection

### Time Attendance - Fingerprint T&A and A&C Device

#### G2
- **Software:** BioTime 7.0
- **Additional Info:**
  - **Working Temperature:** 0 °C – 45 °C
  - **Dimensions:** 206.0 × 153.0 × 42.9 mm
  - **Fingerprint Algorithm:** ZKFinger v10.0
- **Communication:** TCP/IP, USB Host, USB Client, Wiegand Input/Output
- **Hardware:** 1.2GHz High Speed CPU, Memory 128MB RAM / 256MB Flash, SilkID Fingerprint Sensor, Hi-Fi Voice & Indicator, Tamper Switch Alarm
- **Standard Functions:** Work Code/ADMS, DST/SMS/Bell Schedule, ID Card, Photo ID, Attendance Status Auto-Switch, Record Query, Anti-Passback, Custom Wallpaper & Screen Saver
- **Optional Functions:** HID Proxy / Mifare Card Reader, Wi-Fi/3G, External Printer
- **Special Functions:** Multiple Verification Modes, Alive Finger Detection
Time Attendance Terminal - Facial & FP T&A and A&C Device

**G3**
- **Display**: 4.3 inches Touch Screen
- **Face Capacity**: 3,000 (1:N), 5,000 (1:1)
- **Fingerprints Capacity**: 5,000
- **ID Card Capacity**: 10,000
- **Logs Capacity**: 100,000
- **Sensor**: SilkID Fingerprint Sensor
- **Software**: BioTime 7.0
- **Power Supply**: 12V 3A
- **Additional Info**:
  - **Working Temperature**: 0 °C ~ 45 °C
  - **Operating Humidity**: 20% - 80%
  - **Dimensions**: 199.2 x 171.8 x 96.9 mm
  - **ZKFace v7.0 Face Algorithm**
  - **ZKFinger v10.0 Fingerprint Algorithm**
- **Communication**: TCP/IP, USB Host, Wiegand Output
- **Hardware**: 1.2GHz High Speed CPU, Memory 128MB RAM / 256MB Flash, SilkID Fingerprint Sensor, Hi-Fi Voice & Indicator, Tamper Switch Alarm
- **Standard Functions**: ID Card, Work Code/ADMS, DST/SMS/Bell Schedule, Attendance Status Auto-Switch, Record Query, Photo ID, Custom Wallpaper & Screen Saver
- **Optional Functions**: HID Proxy/Mifare Card Reader, Wi-Fi / 3G, External Printer, Battery (2,000 mAh), POE(Standard IEEE 802.3at)
- **Special Functions**: Multiple Verification Modes, Alive Finger Detection, Duplicate Face Detection

**G3 Plus**
- **Display**: 4.3 inches Touch Screen
- **Face Capacity**: 3,000 (1:N), 4,000 (1:1)
- **Fingerprints Capacity**: 5,000
- **ID Card Capacity**: 10,000
- **Logs Capacity**: 100,000
- **Sensor**: SilkID Fingerprint Sensor
- **Software**: BioTime 7.0
- **Power Supply**: 12V 3A
- **Additional Info**: Working Temperature: 0 °C ~ 45 °C
- **Operating Humidity**: 20% - 80%
- **Dimensions**: 199.2 x 171.8 x 96.9 mm
- **ZKFace v9.0 Face Algorithm**
- **ZKFinger v10.0 Fingerprint Algorithm**
- **Communication**: TCP/IP, USB Host, Wiegand Output
- **Hardware**: 1.2GHz High Speed CPU, Memory 128MB RAM / 256MB Flash, SilkID Fingerprint Sensor, Hi-Fi Voice & Indicator, Tamper Switch Alarm
- **Standard Functions**: ID Card, Work Code/ADMS, DST/SMS/Bell Schedule, Attendance Status Auto-Switch, Record Query, Photo ID, Custom Wallpaper & Screen Saver
- **Optional Functions**: HID Proxy/Mifare Card Reader, Wi-Fi / 3G, External Printer, Battery (2,000 mAh), POE(Standard IEEE 802.3at)
- **Special Functions**: Multiple Verification Modes, Alive Finger Detection, Duplicate Face Detection

**G4**
- **Display**: 7 inches Touch Screen, 1280*800 Pixel
- **Face Capacity**: 5,000
- **Fingerprints Capacity**: 10,000
- **Card Capacity**: 10,000
- **Users Capacity**: 10,000
- **Transaction Capacity**: 1,000,000
- **Sensor**: SilkID Fingerprint Sensor
- **Software**: BioTime 7.0
- **Communication**: TCP/IP, USB Host, Wi-Fi, Wiegand Input/Output
- **Hardware**: High Performance Android Industrial CPU/Windows, 2GB DDR3 RAM, 16GB ROM, 2NP Binocular Camera
- **Standard Functions**: Mifare Card, Work Code/ADMS, DST/SMS/Bell Schedule, Attendance Status Auto-Switch, Record Query, Photo ID
- **Access Control Interface**: Lock Relay Output, Alarm Output, Exit Button, Door Sensor, External Bell
- **Special Functions**: Visible Light Face Recognition, Alive Face Detection, Multiple Biometric Verification Mode
- **Additional Info**: ZKFace V10.0 & ZKFinger V10.0 Algorithm
- **Face Recognition Speed**: ≤1s
- **Face Recognition Distance**: 0.5m ~ 3m
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.

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
- Neat and Tidy, Simple User Friendly UI
- Supports 3rd Party Video Cameras
- Flexible Card Format
- Flexible Verification Mode
- All-In-One Solution
- Email Notifications
- Global Anti-Passback and Linkage
- Online Guard Patrol Feature
- Activate or Deactivate the Door
- 8000+ Doors Management Capacity
- Data Auto-Backup Function
- Huge Data Processing Capability
- Time Management
- Time Zone Settings for Exit button and Auxiliary Input

ZKBioSecurity Mobile APP

Security is in your hand!
You can control and check your door anytime, anywhere!

ZKBioSecurity APP connects to the server of ZKBioSecurity software directly and it can achieve data synchronization with server. It includes personnel management, door management, real-time monitoring, and alarm report modules.

Alarm:
View all alarm event logs on the server and cancel alarm prompt. You can also set different kind of alarm like connection failed, open door, timeout, etc.

One Touch Open:
Just need one click to open the door.

Real-Time Monitoring:
Show real-time events and access operation logs for all existing doors which connected with the software server.

Report:
It provides two report query: by time or by device.
Entrance Control

Entrance control mainly focuses in people management. 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 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.
ZKTeco turnstile series are elegant cost-effective entrance control system designed for smooth and silent operation and draws very little power and made of stainless steel which makes it highly durable.

**NOTE:**
- TS/FBL/SBTL/FHT--00: Turnstile only
- TS/FBL/SBTL/FHT--11: Turnstile with RFID reader and controller
- TS/FBL/SBTL/FHT--22: Turnstile with RFID & fingerprint reader and controller

### Tripod Turnstile

**TS1000 Pro**

<table>
<thead>
<tr>
<th>Model</th>
<th>TS1000 Pro</th>
<th>TS1011 Pro</th>
<th>TS1022 Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Requirements</strong></td>
<td>AC 220V/110V, 50/60Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Temperature</strong></td>
<td>-28°C~60°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Humidity</strong></td>
<td>5%~80%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Environment</strong></td>
<td>Indoor/Outdoor (if sheltered)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Throughput</strong></td>
<td>-</td>
<td>30/minute</td>
<td>25/minute</td>
</tr>
<tr>
<td><strong>Lane Width (mm)</strong></td>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Footprint (mm*mm)</strong></td>
<td>520*910</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dimension (mm)</strong></td>
<td>520<em>310</em>1010 (L<em>W</em>H)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dimension with Packing (mm)</strong></td>
<td>570<em>365</em>1080 (L<em>W</em>H)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cabinet Material</strong></td>
<td>SUS304 Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Barrier Material</strong></td>
<td>SUS304 Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Barrier Movement</strong></td>
<td>Rotating</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Emergency Mode</strong></td>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Security Level</strong></td>
<td>Medium</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MCBF</strong></td>
<td>2 million</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Options/Accessories</strong></td>
<td>Counter, SUS316 Cabinet and Lid, Remote Control</td>
<td></td>
<td></td>
</tr>
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</table>

### TS2000 Pro

<table>
<thead>
<tr>
<th>Model</th>
<th>TS2000 Pro</th>
<th>TS2011 Pro</th>
<th>TS2022 Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Requirements</strong></td>
<td>AC 220V/110V, 50/60Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Temperature</strong></td>
<td>-28°C~60°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Humidity</strong></td>
<td>5%~80%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Environment</strong></td>
<td>Indoor/Outdoor (if sheltered)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Throughput</strong></td>
<td>-</td>
<td>30/minute</td>
<td>25/minute</td>
</tr>
<tr>
<td><strong>Lane Width (mm)</strong></td>
<td>505</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Footprint (mm*mm)</strong></td>
<td>785*1110</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dimension (mm)</strong></td>
<td>1110<em>280</em>987 (L<em>W</em>H)</td>
<td></td>
<td></td>
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<tr>
<td><strong>Dimension with Packing (mm)</strong></td>
<td>1175<em>370</em>1070 (L<em>W</em>H)</td>
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<tr>
<td><strong>Cabinet Material</strong></td>
<td>SUS304 Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lid Material</strong></td>
<td>SUS304 Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Barrier Material</strong></td>
<td>SUS304 Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Barrier Movement</strong></td>
<td>Rotating</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Emergency Mode</strong></td>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Security Level</strong></td>
<td>Medium</td>
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</tr>
<tr>
<td><strong>MCBF</strong></td>
<td>2 million</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Options/Accessories</strong></td>
<td>Counter, SUS316 Cabinet and Lid, Remote Control</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Flap Barrier

FBL2000 Series

<table>
<thead>
<tr>
<th>Model</th>
<th>FBL2000</th>
<th>FBL2011</th>
<th>FBL2022</th>
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</thead>
<tbody>
<tr>
<td>Power Requirement</td>
<td>AC 100<del>120V/200</del>240V, 50/60Hz</td>
<td>AC 100<del>120V/200</del>240V, 50/60Hz</td>
<td>AC 100<del>120V/200</del>240V, 50/60Hz</td>
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<tr>
<td>Working Temperature</td>
<td>-28°C~60°C</td>
<td>-28°C~60°C</td>
<td>-28°C~60°C</td>
</tr>
<tr>
<td>Working Humidity</td>
<td>5%~85%</td>
<td>5%~85%</td>
<td>5%~85%</td>
</tr>
<tr>
<td>Working Environment</td>
<td>Indoor/Outdoor</td>
<td>Indoor/Outdoor</td>
<td>Indoor/Outdoor</td>
</tr>
<tr>
<td>Lane Width</td>
<td>600</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>Footprint(mm*mm)</td>
<td>1200*1150</td>
<td>1350*840</td>
<td>1350*840</td>
</tr>
<tr>
<td>Dimension(mm)</td>
<td>1150<em>300</em>1000(L<em>W</em>H)</td>
<td>1350<em>300</em>1010(L<em>W</em>H)</td>
<td>1350<em>300</em>1010(L<em>W</em>H)</td>
</tr>
<tr>
<td>Net Weight(kg)</td>
<td>119</td>
<td>84</td>
<td>84</td>
</tr>
<tr>
<td>Weight with Packing(kg)</td>
<td>157</td>
<td>119</td>
<td>119</td>
</tr>
<tr>
<td>LED Indicator</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cabinet Material</td>
<td>SUS304 Stainless Steel</td>
<td>SUS304 Stainless Steel</td>
<td>SUS304 Stainless Steel</td>
</tr>
<tr>
<td>Lid Material</td>
<td>SUS304 Stainless Steel</td>
<td>SUS304 Stainless Steel</td>
<td>SUS304 Stainless Steel</td>
</tr>
<tr>
<td>Barrier Material</td>
<td>Acrylic</td>
<td>Acrylic</td>
<td>Acrylic</td>
</tr>
<tr>
<td>Barrier Movement</td>
<td>Retracting</td>
<td>Retracting</td>
<td>Retracting</td>
</tr>
<tr>
<td>Emergency Mode</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Security Level</td>
<td>Medium</td>
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</tr>
<tr>
<td>MCBF</td>
<td>2 million</td>
<td>2 million</td>
<td>2 million</td>
</tr>
</tbody>
</table>

FBL2200 Series

- Power Supply: AC 220V/110V, 50/60Hz
- Operating Temperature: -28°C~60°C
- Operating Humidity: 5%~85%
- Working Environment: Indoor/Outdoor
- Rated Power: 60W
- Lane Width(mm): 600
- Footprint(mm*mm): 840*1150
- Dimensions(mm): 1150*300*1000(L*W*H)
- Dimension with Packing(mm): 1480*410*1100(L*W*H)
- Net Weight(kg): 69
- Weight with Packing(kg): 98
- LED Indicator: Yes
- Cabinet Material: SUS304 Stainless Steel
- Lid Material: SUS304 Stainless Steel
- Barrier Material: Acrylic
- Barrier Movement: Retracting
- Emergency Mode: Yes
- Security Level: Medium
- MCBF: 2 million

FBL4000 Series

<table>
<thead>
<tr>
<th>Model</th>
<th>FBL4000</th>
<th>FBL4011</th>
<th>FBL4022</th>
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<tbody>
<tr>
<td>Power Requirement</td>
<td>AC 100<del>120V/200</del>240V, 50/60Hz</td>
<td>AC 100<del>120V/200</del>240V, 50/60Hz</td>
<td>AC 100<del>120V/200</del>240V, 50/60Hz</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-28°C~60°C</td>
<td>-28°C~60°C</td>
<td>-28°C~60°C</td>
</tr>
<tr>
<td>Working Humidity</td>
<td>5%~80%</td>
<td>5%~80%</td>
<td>5%~80%</td>
</tr>
<tr>
<td>Working Environment</td>
<td>Indoor/Outdoor</td>
<td>Indoor/Outdoor</td>
<td>Indoor/Outdoor</td>
</tr>
<tr>
<td>Lane Width</td>
<td>600</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>Footprint(mm*mm)</td>
<td>1350*840</td>
<td>1350*840</td>
<td>1350*840</td>
</tr>
<tr>
<td>Dimension(mm)</td>
<td>1350<em>300</em>1010(L<em>W</em>H)</td>
<td>1500<em>400</em>1010(L<em>W</em>H)</td>
<td>1500<em>400</em>1010(L<em>W</em>H)</td>
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<tr>
<td>Net Weight(kg)</td>
<td>84</td>
<td>119</td>
<td>119</td>
</tr>
<tr>
<td>Weight with Packing(kg)</td>
<td>157</td>
<td>119</td>
<td>119</td>
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<tr>
<td>LED Indicator</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Cabinet Material</td>
<td>SUS304 Stainless Steel</td>
<td>SUS304 Stainless Steel</td>
<td>SUS304 Stainless Steel</td>
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<tr>
<td>Lid Material</td>
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<td>SUS304 Stainless Steel</td>
<td>SUS304 Stainless Steel</td>
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<tr>
<td>Barrier Material</td>
<td>Acrylic</td>
<td>Acrylic</td>
<td>Acrylic</td>
</tr>
<tr>
<td>Barrier Movement</td>
<td>Retracting</td>
<td>Retracting</td>
<td>Retracting</td>
</tr>
<tr>
<td>Emergency Mode</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Security Level</td>
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<td>Medium</td>
</tr>
<tr>
<td>MCBF</td>
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<td>2 million</td>
<td>2 million</td>
</tr>
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</table>

FBL4200 Series

- Power Supply: AC 220V/110V, 50/60Hz
- Operating Temperature: -28°C~60°C
- Operating Humidity: 5%~85%
- Working Environment: Indoor/Outdoor
- Rated Power: 60W
- Lane Width(mm): 600
- Footprint(mm*mm): 1350*840
- Dimensions(mm): 1350*300*1010(L*W*H)
- Dimension with Packing(mm): 1500*400*1010(L*W*H)
- Net Weight(kg): 84
- Weight with Packing(kg): 119
- LED Indicator: Yes
- Cabinet Material: SUS304 Stainless Steel
- Lid Material: SUS304 Stainless Steel
- Barrier Material: Acrylic
- Barrier Movement: Retracting
- Emergency Mode: Yes
- Security Level: Medium
- MCBF: 2 million
### FBL5000 Series

<table>
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<tr>
<th>Model</th>
<th>FBL5000</th>
<th>FBL5011</th>
<th>FBL5022</th>
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<tbody>
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<td>AC 100–120V/200–240V, 50/60Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-28°C–60°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working Humidity</td>
<td>5%–80%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working Environment</td>
<td>Indoor/Outdoor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lane Width</td>
<td>600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Footprint (mm*mm)</td>
<td>1200*1200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>L=1200, W=300, H=1100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension with Packing (mm)</td>
<td>L=1400, W=840, H=1100</td>
<td></td>
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<tr>
<td>Net Weight (kg)</td>
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<tr>
<td>Weight with Packing (kg)</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>Cabinet Material</td>
<td>SUS304 Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lid Material</td>
<td>SUS304 Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barrier Material</td>
<td>Acrylic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barrier Movement</td>
<td>Retracting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Mode</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Security Level</td>
<td>Medium</td>
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<tr>
<td>MCBF</td>
<td>2 million</td>
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</table>

### FBL5200 Series

- Power Supply: AC 220V/110V, 50/60Hz
- Operating Temperature: -28°C–60°C
- Operating Humidity: 5%–80%
- Working Environment: Indoor/Outdoor
- Rated Power: 60W
- Lane Width (mm): 600
- Footprint (mm*mm): 1200*840
- Dimensions (mm): L=1200, W=300, H=1100
- Dimension with Packing (mm): L=1400, W=400, H=1100
- Net Weight (kg): 81
- Weight with Packing (kg): 116
- LED Indicator: Yes
- Cabinet Material: SUS304 Stainless Steel
- Lid Material: SUS304 Stainless Steel
- Barrier Material: Acrylic
- Barrier Movement: Retracting
- Emergency Mode: Yes
- Security Level: Medium
- MCBF: 2 million

### SBT1000S Series

- Power Supply: AC 220V/110V, 50/60Hz
- Power Consumption (Starting): 82W
- Power Consumption (Standby): 29W
- Power Consumption (Unlock): 76W
- Working Temperature: -28°C–60°C
- Working Humidity: 5%–80%
- Working Environment: Indoor/Outdoor
- Outdoor (if sheltered)
- Lane Width (mm): 900
- Footprint (mm*mm): 1030*210
- Dimension (mm): 1030*210*1100 (L*W*H)
- Dimension with Packing (mm): 280*280*1600 (L*W*H)
- Net Weight (kg): 72
- Weight with Packing (kg): 87
- Cabinet Material: SUS304 Stainless Steel
- Lid Material: Tempered Glass
- Barrier Material: Tempered Glass
- Barrier Movement: Swing
- Emergency Mode: Yes
- Security Level: Medium
- MCBF: 2 million

### SBT1200S Series

- Power Supply: AC 220V/110V, 50/60Hz
- Power Consumption (Starting): 82W
- Power Consumption (Standby): 29W
- Power Consumption (Unlock): 76W
- Working Temperature: -28°C–60°C
- Working Humidity: 5%–80%
- Working Environment: Indoor/Outdoor
- Lane Width (mm): 900
- Footprint (mm*mm): 1030*210
- Dimension (mm): 1030*210*1100 (L*W*H)
- Dimension with Packing (mm): 280*280*1600 (L*W*H)
- Net Weight (kg): 72
- Weight with Packing (kg): 87
- Cabinet Material: SUS304 Stainless Steel
- Lid Material: Tempered Glass
- Barrier Material: Tempered Glass
- Barrier Movement: Swing
- Emergency Mode: Yes
- Security Level: Medium
- MCBF: 2 million

### SBT2000S Series

- Power Supply: AC 220V/110V, 50/60Hz
- Power Consumption (Starting): 82W
- Power Consumption (Standby): 29W
- Power Consumption (Unlock): 76W
- Working Temperature: -28°C–60°C
- Working Humidity: 5%–80%
- Working Environment: Indoor/Outdoor
- Lane Width (mm): 900
- Footprint (mm*mm): 1030*210
- Dimension (mm): 1030*210*1100 (L*W*H)
- Dimension with Packing (mm): 280*280*1600 (L*W*H)
- Net Weight (kg): 72
- Weight with Packing (kg): 87
- Cabinet Material: SUS304 Stainless Steel
- Lid Material: Tempered Glass
- Barrier Material: Tempered Glass
- Barrier Movement: Swing
- Emergency Mode: Yes
- Security Level: Medium
- MCBF: 2 million

### SBT5000 Series

- Power Supply: AC 100–120V/200–240V, 50/60Hz
- Operating Temperature: -28°C–60°C
- Operating Humidity: 20%–95% (Non-condensing)
- Working Environment: Indoor
- Lane Width (mm): 650
- Footprint (mm*mm): 1400*1010
- Dimension (mm): L=1500, W=260, H=1100
- Net Weight (kg): 120
- Weight with Packing (kg): 150
- Cabinet Material: SUS304 Stainless Steel
- Lid Material: Tempered Glass
- Barrier Material: Tempered Glass
- Barrier Movement: Swing
- Emergency Mode: Yes
- Security Level: Medium
- MCBF: 2 million

### SBT5200 Series

- Power Supply: AC 100–120V/200–240V, 50/60Hz
- Operating Temperature: -28°C–60°C
- Operating Humidity: 20%–95% (Non-condensing)
- Working Environment: Indoor
- Lane Width (mm): 650
- Footprint (mm*mm): 1400*1010
- Dimension (mm): L=1500, W=260, H=1100
- Net Weight (kg): 120
- Weight with Packing (kg): 150
- Cabinet Material: SUS304 Stainless Steel
- Lid Material: Tempered Glass
- Barrier Material: Tempered Glass
- Barrier Movement: Swing
- Emergency Mode: Yes
- Security Level: Medium
- MCBF: 2 million

### Swing Barrier

- Power Supply: AC 100–120V/200–240V, 50/60Hz
- Operating Temperature: -28°C–60°C
- Operating Humidity: 20%–95% (Non-condensing)
- Working Environment: Indoor/Outdoor (if sheltered)
- Lane Width (mm): 600
- Footprint (mm*mm): 1200*1200
- Dimension (mm): L=1200, W=300, H=1100
- Net Weight (kg): 31
- Weight with Packing (kg): 38
- LED Indicator: Y
- Cabinet Material: SUS304 Stainless Steel
- Lid Material: Tempered Glass
- Barrier Material: Tempered Glass
- Barrier Movement: Swing
- Emergency Mode: Yes
- Security Level: Medium
- MCBF: 2 million
## Full Height Turnstile

### FHT2300 Series

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirements</td>
<td>AC 110V/220V, 50/60Hz</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-28 °C~60 °C</td>
</tr>
<tr>
<td>Working Humidity</td>
<td>0%~95%</td>
</tr>
<tr>
<td>Working Environment</td>
<td>Indoor/Outdoor</td>
</tr>
<tr>
<td>Lane Width (mm)</td>
<td>580</td>
</tr>
<tr>
<td>Footprint (mm*mm)</td>
<td>1400*1395</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>L=1400, W=1395, H=2220</td>
</tr>
<tr>
<td>Dimension with Packing (mm)</td>
<td>1975x1085x935; 2100x1435x735</td>
</tr>
<tr>
<td>LED Indicator</td>
<td>Y</td>
</tr>
<tr>
<td>Cabinet Material</td>
<td>SUS304 Stainless Steel</td>
</tr>
<tr>
<td>Barrier Material</td>
<td>SUS304 Stainless Steel</td>
</tr>
<tr>
<td>Barrier Movement</td>
<td>Rotating</td>
</tr>
<tr>
<td>Emergency Mode</td>
<td>Y</td>
</tr>
<tr>
<td>Security Level</td>
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</tr>
<tr>
<td>MCBF</td>
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<tr>
<td>Ingress Protection</td>
<td>IP54</td>
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### FHT2400 Series

<table>
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<th>Specification</th>
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<td>Power Requirements</td>
<td>AC 110V/220V, 50/60Hz</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-28 °C~60 °C</td>
</tr>
<tr>
<td>Working Humidity</td>
<td>0%~95%</td>
</tr>
<tr>
<td>Working Environment</td>
<td>Indoor/Outdoor</td>
</tr>
<tr>
<td>Lane Width (mm)</td>
<td>580</td>
</tr>
<tr>
<td>Footprint (mm*mm)</td>
<td>2018*1397</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>L=2018, W=1395, H=2220</td>
</tr>
<tr>
<td>Dimension with Packing (mm)</td>
<td>1975x925x895; 2100x1435x735</td>
</tr>
<tr>
<td>LED Indicator</td>
<td>Y</td>
</tr>
<tr>
<td>Cabinet Material</td>
<td>SUS304 Stainless Steel</td>
</tr>
<tr>
<td>Barrier Material</td>
<td>SUS304 Stainless Steel</td>
</tr>
<tr>
<td>Barrier Movement</td>
<td>Rotating</td>
</tr>
<tr>
<td>Emergency Mode</td>
<td>Y</td>
</tr>
<tr>
<td>Security Level</td>
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</tr>
<tr>
<td>MCBF</td>
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<td>Ingress Protection</td>
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### FHT2300D Series

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<th>Specification</th>
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<tr>
<td>Power Requirements</td>
<td>AC 110V/220V, 50/60Hz</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-28 °C~60 °C</td>
</tr>
<tr>
<td>Working Humidity</td>
<td>0%~95%</td>
</tr>
<tr>
<td>Working Environment</td>
<td>Indoor/Outdoor</td>
</tr>
<tr>
<td>Lane Width (mm)</td>
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<tr>
<td>Footprint (mm*mm)</td>
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<td>Dimensions (mm)</td>
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<td>LED Indicator</td>
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<td>Cabinet Material</td>
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</tr>
<tr>
<td>Barrier Material</td>
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<td>Barrier Movement</td>
<td>Rotating</td>
</tr>
<tr>
<td>Emergency Mode</td>
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<tr>
<td>Security Level</td>
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<tr>
<td>MCBF</td>
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<td>Ingress Protection</td>
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### FHT2400D Series

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<td>Power Requirements</td>
<td>AC 110V/220V, 50/60Hz</td>
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<tr>
<td>Working Temperature</td>
<td>-28 °C~60 °C</td>
</tr>
<tr>
<td>Working Humidity</td>
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</tr>
<tr>
<td>Working Environment</td>
<td>Indoor/Outdoor</td>
</tr>
<tr>
<td>Lane Width (mm)</td>
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<tr>
<td>Footprint (mm*mm)</td>
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<tr>
<td>Dimensions (mm)</td>
<td>L=2018, W=1324, H=2220</td>
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<td>LED Indicator</td>
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<tr>
<td>Cabinet Material</td>
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</tr>
<tr>
<td>Barrier Material</td>
<td>SUS304 Stainless Steel</td>
</tr>
<tr>
<td>Barrier Movement</td>
<td>Rotating</td>
</tr>
<tr>
<td>Emergency Mode</td>
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<tr>
<td>Security Level</td>
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<tr>
<td>MCBF</td>
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</tr>
<tr>
<td>Ingress Protection</td>
<td>IP54</td>
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</tbody>
</table>

### FHT2300 Full Height Turnstile only

### FHT2311: Full Height Turnstile with RFID

### FHT2322: Full Height Turnstile with RFID & FP

### FHT2400 Full Height Turnstile only

### FHT2411: Full Height Turnstile with RFID

### FHT2422: Full Height Turnstile with RFID & FP
Checkpoint Solution

ZKTeco vehicle management system not only ensure the high security and fast access management but also assure a complete parking charge management. Checkpoint solution has basically achieved full coverage of vehicle entrance and exit management which has become a trendall over the globe.
Vehicle Product - Vehicle Inspection

- **ZK-VSCN100**
  - Camera: Intelligent color progressive line rapid scan CCD imaging
  - Vertical Resolution of the Image: 5000*2048 pixels
  - Speed of vehicle: 1-60km/h (Recommended speed: ≤30km/h)
  - Effective Field of View (FOV): less than 170°
  - Auxiliary light: 160W
  - Weight Capacity: ≤30T
  - Water-proof Grade: IP68
  - Device weight: 52KG
  - Device Size: 670mm*550mm*750mm
  - Operating Voltage: AC220V/110V, 50-60HZ
  - Surveillance Camera: 2MP HD camera

- **ZK-VSCN200**
  - Camera: Intelligent color progressive line rapid scan CCD imaging
  - Vertical Resolution of the Image: 5000*5340 pixels
  - Speed of Vehicle: 1-60km/h (Recommended speed: ≤30km/h)
  - Effective Field of View (FOV): less than 170°
  - Auxiliary light: 320W
  - Weight Capacity: ≤50T
  - Water-proof Grade: IP68
  - Scanning Device Weight: 105KG
  - Scanning Device Volume: 1100mm×280mm×205mm
  - Operating Voltage: AC110-240V, 50-60HZ
  - Scanning Mode: linear scan, triggered by loop detector
  - Surveillance Camera: 2MP HD camera

Parking Lot Product - License Plate Recognition

- **LPRS1000**
  - Recognition Rate: Day≥99.9%; Night≥99.7%
  - Recognition Distance: 2-10 meters (Recommended: 3.5-4m)
  - Recognition Time: ≤200ms (Average)
  - Communication: TCP/IP
  - Interface: 2 Relay, 2 Aux. Input, Audio Input and Output, 2 RS485 Output, Reset, Wiegand Out
  - Camera Lens: 200MP, Auto-focus, Best Snap Range: 3.5-4m
  - Minimum Illumination: 0.1 Lux (Standard)
  - Support Speed: 15km/h
  - Power Consumption: 60W
  - Power Supply: 220V AC 50Hz
  - Operating Temperature: -20°C ~ 55°C
  - Weight: 30kg
  - Package Dimension: 340mmx220mmx1600mm

Parking Lot Product - Boom Barrier

- **PB1000L/R**
  - Lane Width: PB1010: 3M, up to 3.8M with telescopic boom
  - PB1030: 4M, up to 4.8M with telescopic boom
  - PB1060: 5M, up to 5.8M with telescopic boom
  - Supply Voltage: 110V AC or 220V AC
  - Power Consumption Max: 200W
  - Frequency: 50-60Hz
  - Cabinet Material: SUS304 Powder Coated Steel
  - Boom Material: Aluminum Alloy
  - Base Frame: Cast Iron
  - Opening/Closing Time: PB1010: 1.8s
  - PB1030: 3s
  - PB1060: 6s
  - Temperature Range: -20°C~+60°C
  - Humidity Range: 90%
  - Ingress Protection: IP54
  - Housing Dimensions (W x D x H): 250 x 250 x 980mm
  - Net Weight (Without Boom): 48KG

- **PB3000L/R**
  - Lane Width: PB3010: 3M, up to 3.8M with telescopic boom
  - PB3030: 4M, up to 4.8M with telescopic boom
  - PB3060: 5M, up to 5.8M with telescopic boom
  - Supply Voltage: 110V AC or 220V AC
  - Power Consumption Max: 200W
  - Frequency: 50-60Hz
  - Cabinet Material: SUS304 Powder Coated Steel
  - Boom Material: Aluminum Alloy
  - Base Frame: Aluminum Alloy
  - Opening/Closing Time: PB3010: 1.8s
  - PB3030: 3s
  - PB3060: 6s
  - Temperature Range: -20°C~+60°C
  - Humidity Range: 90%
  - Ingress Protection: IP54
  - Housing Dimensions (W x D x H): 300 x 280 x 980mm
  - Net Weight (Without Boom): 56KG

- **PB4000L/R**
  - Lane Width: PB4030: 4M, up to 4.8M with telescopic boom
  - PB4060: 5M, up to 5.8M with telescopic boom
  - Supply Voltage: 110V AC or 220V AC
  - Power Consumption Max: 120W
  - Frequency: 50-60Hz
  - Cabinet Material: SUS304 Powder Coated Steel
  - Boom Material: Aluminum Alloy
  - Base Frame: Aluminum Alloy
  - Opening/Closing Time: PB4030: 3s
  - PB4060: 6s
  - Temperature Range: -20°C~+60°C
  - Humidity Range: 90%
  - Ingress Protection: IP54
  - Housing Dimensions (W x D x H): 128 x 286 x 934mm
  - Net Weight (Without Boom): 60KG
Parking Lot Management System

ZKParking is a client/server architecture parking lot management software self-developed by ZKTeco. ZKParking contains six functional modules: system management, personnel management, authorization management, financial management, terminal management and report management. With a user-friendly UI and complete parking lot management function, ZKParking provides the most professional solution for a simple and convenient user experience.

Features:
- Vehicle Authorization: Temporary and fixed vehicle authorizations, fixed vehicle extensions
- Customized Parking Lot Charging Rules: Supports various charging rules, meets all types of parking lot
- Blacklist and whitelist management
- Reports Statistics management: Exports various kinds of reports of statistical data for financial staff
- Real-time monitoring of entry and exit status
- Parking Lot Area Linkage Management: Real-time statistics of remaining available parking spaces

<table>
<thead>
<tr>
<th>Model</th>
<th>Plock 1</th>
<th>Plock 2</th>
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</thead>
<tbody>
<tr>
<td>Material</td>
<td>SPCC Steel</td>
<td>Steel</td>
</tr>
<tr>
<td>Control Distance</td>
<td>≤20m</td>
<td>≤6s</td>
</tr>
<tr>
<td>Arm rising time / falling time</td>
<td>300mm</td>
<td>420mm</td>
</tr>
<tr>
<td>Altitude after rising</td>
<td>390mm</td>
<td>75mm</td>
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<tr>
<td>Altitude after dropping</td>
<td>-10°C ~ +55°C</td>
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</tr>
<tr>
<td>Operating Temperature</td>
<td>Alkaline dry battery (D x 4)</td>
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</tr>
<tr>
<td>Power Supply</td>
<td>6V DC</td>
<td></td>
</tr>
<tr>
<td>Rated Voltage</td>
<td>≤0.1mA</td>
<td>≤1.5mA</td>
</tr>
<tr>
<td>Quiescent Current</td>
<td>≤0.9A</td>
<td>≤2.5A</td>
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<tr>
<td>Operating Current</td>
<td>390 x 460 x 75 mm</td>
<td>460 x 460 x 75 mm</td>
</tr>
<tr>
<td>Size</td>
<td>8kg</td>
<td></td>
</tr>
</tbody>
</table>
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.
Walk Through Metal Detector

ZK-D1065S
- Detection Zones: 6
- Sensitivity Levels: 100
- Display: LED
- Standard Functions:
  - Detecting metal, Counting alarm and people.
- Optional Functions:
  - 2000mAh Backup Battery
- Power Supply: AC 100 V-240 V
- Working Temperature: -20°C—+50°C
- Working Frequency: 4KHz—8KHz
- Standard External Size:
  - 2200mm(H)X800mm(W)X580mm(D)
- Package Size for Door Panels:
  - 2260*650*260mm *1ctn
- Package Size for Control Unit:
  - 780*390*250 mm*1ctn
- Gross Weight: 70kg

ZK-D2180S
- Detection Zones: 18
- Sensitivity Levels: 256
- Display: 3.7”LCD display
- Standard Functions:
  - Detecting metal, Counting alarm and people.
- Optional Functions:
  - 2000mAh Backup Battery
- Power Supply: AC 100 V-240 V
- Working Temperature: -20°C—+50°C
- Working Frequency: 4KHz—8KHz
- Standard External Size:
  - 2200mm(H)X800mm(W)X580mm(D)
- Standard Internal Size:
  - 2010mm(H)X700mm(W)X500mm(D)
- Package Size for Door Panels:
  - 2260*650*260mm *1ctn
- Package Size for Control Unit:
  - 780*390*250 mm*1ctn
- Gross weight: 70kg

ZK-D3180S
- Detection Zones: 18
- Sensitivity Levels: 256
- Display: 3.7”LCD display
- Standard Functions:
  - Detecting metal, Counting alarm and people.
- Optional Functions:
  - 2000mAh Backup Battery
- Power Supply: AC 100 V-240 V
- Working Temperature: -20°C—+50°C
- Working Frequency: 4KHz—8KHz
- Standard External Size:
  - 2200mm(H)X800mm(W)X580mm(D)
- Standard Internal Size:
  - 2010mm(H)X700mm(W)X500mm(D)
- Package Size for Door Panels:
  - 2260*650*260mm *1ctn
- Package Size for Control Unit:
  - 780*390*250 mm*1ctn
- Gross weight: 70kg

Handheld Metal Detector

ZK-D4330
- Supply Voltage: AC100V-240V
- Temperature Range: - 20°C—+ 50°C
- Frequency: 4KHz—8KHz
- Standard External Size(mm):
  - 2200*930*760
- Standard Internal Size(mm):
  - 2010*760*760
- Package Size for Door Panels(mm):
  - 2300*335*800
- Gross Weight: 70KG
- Display: 7 inch LCD
- Zone Quantity: 33
- Each zone Sensitivity Level: 300

Model ZK-D100S Model ZK-D180
Standard Functions Detecting metal Unit Dimensions(mm) 345*69*25
Optional Functions Li battery, USB charge cable (for option) Power Voltage Standard 9V battery
Dimension 410(L) X 85(W) X 45(H) mm Operating Voltage 7V-12V
Power Voltage Standard 9V battery Operating Current <5mA
Operating Voltage 7V-9V Alarm Terms Sound(Vibration) & light
Operating Current <50mA Alarm Sound 75dB(A)
Alarm Terms Sound (vibration) and light alarm simultaneously Frequency 22KHz
Waterproof IP31 Alarm Sound ≥75dB(A)
Operation Frequency 25KHz
### X-Ray

<table>
<thead>
<tr>
<th>Model</th>
<th>ZKX5030A</th>
<th>ZKX5030C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tunnel Size</strong></td>
<td>W507mm × H305mm</td>
<td>W507mm × H305mm</td>
</tr>
<tr>
<td><strong>Speed</strong></td>
<td>0.20m/s</td>
<td>0.20m/s</td>
</tr>
<tr>
<td><strong>Height of Transmission Belt</strong></td>
<td>1000mm</td>
<td>1000mm</td>
</tr>
<tr>
<td><strong>Maximum Loads</strong></td>
<td>≤120kg (Adequate distribution)</td>
<td>≤180kg (Adequate distribution)</td>
</tr>
<tr>
<td><strong>Wire Resolution</strong></td>
<td>34 AWG (0.16mm metal wire)</td>
<td>40 AWG (0.0787mm metal wire)</td>
</tr>
<tr>
<td><strong>Space Definition</strong></td>
<td>Horizontal Ø1.0mm / Vertical Ø2.0mm</td>
<td>Horizontal Ø1.0mm / Vertical Ø2.0mm</td>
</tr>
<tr>
<td><strong>Penetrate Definition</strong></td>
<td>32 AWG</td>
<td>34 AWG</td>
</tr>
<tr>
<td><strong>Penetration</strong></td>
<td>8mm Steel board</td>
<td>32mm Steel board</td>
</tr>
<tr>
<td><strong>Monitor</strong></td>
<td>17 inch LED</td>
<td>17 inch LED</td>
</tr>
<tr>
<td><strong>Package Size</strong></td>
<td>1900<em>990</em>1320mm (L<em>W</em>H)</td>
<td>2200<em>1135</em>1515mm (L<em>W</em>H)</td>
</tr>
<tr>
<td><strong>System Function</strong></td>
<td>High density alarm, TIP, Luggage counter, System running timer, X-ray emitting timer, Training, 64 times continuous zoom in</td>
<td>High density alarm, Explosive/Drug auxiliary detect, TIP, Luggage counter, System running timer, X-ray emitting timer, Training, 64 times continuous zoom in</td>
</tr>
<tr>
<td><strong>Film Safety</strong></td>
<td>ASA/ISO1600 standard of film safety</td>
<td>ASA/ISO1600 standard of film safety</td>
</tr>
<tr>
<td><strong>Tube Voltage</strong></td>
<td>80Kv</td>
<td>140Kv</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>Seal oil cooling/100%</td>
<td>Seal oil cooling/100%</td>
</tr>
<tr>
<td><strong>Single Inspection Dosage Rate</strong></td>
<td>≤1.0μGy</td>
<td>≤1.0μGy</td>
</tr>
<tr>
<td><strong>Radiation Leak Dosage</strong></td>
<td>0.1μGy/h (5cm from the shell)</td>
<td>0.1μGy/h (5cm from the shell)</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>1KVA</td>
<td>1KVA</td>
</tr>
<tr>
<td><strong>Noise</strong></td>
<td>53.8dB(A)</td>
<td>53.8dB(A)</td>
</tr>
<tr>
<td><strong>Package Weight</strong></td>
<td>410kg</td>
<td>680KG+105KG (Console desk)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Model ZKX6550

| **Tunnel Size** | W660mm × H510mm       |
| **Speed** | 0.20m/s                   |
| **Height of Transmission Belt** | 1300mm                   |
| **Maximum Loads** | ≤180kg (Adequate distribution) | ≤180kg (Adequate distribution) |
| **Wire Resolution** | 40 AWG (0.0787mm metal wire) | 40 AWG (0.0787mm metal wire) |
| **Space Definition** | Horizontal Ø1.0mm / Vertical Ø2.0mm | Horizontal Ø1.0mm / Vertical Ø2.0mm |
| **Penetrate Definition** | 34 AWG                   | 34 AWG                   |
| **Penetration** | 38mm Steel board          |
| **Monitor** | 17 inch LED               |
| **Package Size** | L2200mm × W1135mm × H1515mm | L2200mm × W1135mm × H1515mm |
| **System Function** | High density alarm, Explosive/Drug auxiliary detect, TIP, Luggage counter, System running timer, X-ray emitting timer, Training, 64 times continuous zoom in | High density alarm, Explosive/Drug auxiliary detect, TIP, Luggage counter, System running timer, X-ray emitting timer, Training, 64 times continuous zoom in |
| **Film Safety** | ASA/ISO1600 standard of film safety | ASA/ISO1600 standard of film safety |
| **Tube Voltage** | 150 KV                   |
| **Cooling** | Seal oil cooling/100%    |
| **Single Inspection Dosage Rate** | ≤1.0μGy                 | ≤1.0μGy                 |
| **Radiation Leak Dosage** | 0.1μGy/h (5cm from the surface) | 0.1μGy/h (5cm from the surface) |
| **Power Consumption** | 1KVA                    | 1KVA                    |
| **Noise** | 53.8dB(A)                |
| **Package Weight** | 680KG+105KG (Console desk) | 680KG+105KG (Console desk) |
## ZKX6550A

<table>
<thead>
<tr>
<th>Model</th>
<th>ZKX6550A</th>
<th>ZKX6550D</th>
<th>ZKX6550V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tunnel Size</td>
<td>W655mm × H505mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speed</td>
<td>0.20m/s</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height of Transmission Belt</td>
<td>700mm</td>
<td>800mm</td>
<td>700mm</td>
</tr>
<tr>
<td>Maximum Loads</td>
<td>≤180kg (Adequate distribution)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wire Resolution</td>
<td>38 AWG</td>
<td>Bottom Generator: 40AWG</td>
<td>40 AWG</td>
</tr>
<tr>
<td>Space Definition</td>
<td>Horizontal Ø1.0mm / Vertical Ø2.0mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Penetrate Definition</td>
<td>34 AWG</td>
<td>Bottom Generator: 32AWG</td>
<td>34 AWG</td>
</tr>
<tr>
<td>Penetration</td>
<td>10mm Steel board</td>
<td>Bottom Generator: 38mm</td>
<td>38mm Steel board</td>
</tr>
<tr>
<td>Monitor</td>
<td>21.5 inch LED</td>
<td>21.5 inch LED x 2</td>
<td></td>
</tr>
<tr>
<td>Package Size</td>
<td>L2240mm × W1170mm × H1755mm</td>
<td>L2500mm × W1600mm × H1755mm</td>
<td>L2240mm × W1170mm × H1755mm</td>
</tr>
<tr>
<td>System Function</td>
<td>High density alert, Explosive/Drug auxiliary detect, TIP, Luggage counter, date/time display, User management, Training</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Film Safety</td>
<td>ASA/ISO1600 standard of film safety</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tube Voltage</td>
<td>100KV</td>
<td>160KV</td>
<td>150KV</td>
</tr>
<tr>
<td>Cooling</td>
<td>Seal oil cooling/100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single Inspection Dosage Rate</td>
<td>≤1μGy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radiation Leak Dosage</td>
<td>0.1μGy/h (5cm from the surface)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Consumption</td>
<td>1kVA</td>
<td>1.5kVA</td>
<td>1kVA</td>
</tr>
<tr>
<td>Noise</td>
<td>53.8dB(A)</td>
<td>55dB(A)</td>
<td>53.8dB(A)</td>
</tr>
<tr>
<td>Package Weight</td>
<td>640KG + 100KG (Console desk)</td>
<td>1000KG + 100KG (Console desk)</td>
<td>640KG + 100KG (Console desk)</td>
</tr>
</tbody>
</table>

## ZKX10080

<table>
<thead>
<tr>
<th>Model</th>
<th>ZKX10080</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tunnel Size</td>
<td>W1006mm × H803mm</td>
</tr>
<tr>
<td>Speed</td>
<td>0.2 - 0.4 m/s</td>
</tr>
<tr>
<td>Height of Transmission Belt</td>
<td>370 mm</td>
</tr>
<tr>
<td>Maximum Loads</td>
<td>200 kg (Adequate distribution)</td>
</tr>
<tr>
<td>Wire Resolution</td>
<td>38 AWG</td>
</tr>
<tr>
<td>Space Definition</td>
<td>Horizontal Ø1.0mm / Vertical Ø2.0mm</td>
</tr>
<tr>
<td>Penetrate Definition</td>
<td>32 AWG</td>
</tr>
<tr>
<td>Penetration</td>
<td>34mm Steel board</td>
</tr>
<tr>
<td>Monitor</td>
<td>21.5 inch LED X 2</td>
</tr>
<tr>
<td>Package Size</td>
<td>L2200mm × W1500mm × H1750mm</td>
</tr>
<tr>
<td>Package Size of Console Desk</td>
<td>L1320mm × W900mm × H1320mm</td>
</tr>
<tr>
<td>System Function</td>
<td>High density alert, Explosive/Drug auxiliary detect, TIP, Luggage counter, date/time display, User management, Training</td>
</tr>
<tr>
<td>Film Safety</td>
<td>ASA/ISO1600 standard of film safety</td>
</tr>
<tr>
<td>Tube Voltage</td>
<td>160 KV</td>
</tr>
<tr>
<td>Cooling</td>
<td>Seal oil cooling/100%</td>
</tr>
<tr>
<td>Single Inspection Dosage Rate</td>
<td>≤1μGy</td>
</tr>
<tr>
<td>Radiation Leak Dosage</td>
<td>0.2 μGy/h (5cm from the surface)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>1kVA</td>
</tr>
<tr>
<td>Noise</td>
<td>53.8dB(A)</td>
</tr>
<tr>
<td>Package Weight</td>
<td>1150KG + 135KG (Console desk)</td>
</tr>
</tbody>
</table>
ZKTeco Surveillance Department, which is established in 2010, focuses on providing economic, competitive and well-featured security cameras in order to universally popularize security cameras.

For the entry-level users, Analog HD camera and NVR are the perfect choices: up to 3 megapixel along with 4 in 1 compatible format (AHD/ CVI/ TVI/ CVBS). In 2016, ZKTeco officially launched the cutting edge long distance and wide dynamic facial recognition cameras, along with AI technology, completed with a well-developed software backend and a mobile App, which greatly enhanced the security market into another level.
### HD Analog Camera - Eyeball Camera

**ES-34F12H**
- **Image Sensor:** 1/3” 4MP CMOS
- **Effective Pixels:** 2560 x 1440
- **Video Frame System:** 4MP@25fps (PAL), 4MP@30fps (NTSC)
- **IR Distance:** 10 ~ 20m
- **Video Output:** AHD/TVI/CVI/CVBS
- **Lens:** 3.6mm
- **Video Setting:** Contrast/Sharpness/Color Gain/Format/True WDR/DNR
- **Horizontal FOV:** 75°
- **S/N Ratio:** ≥50dB
- **OSD:** UTC support based on DVR
- **Working Environment:** -30°C ~ 60°C, 10%~90% RH
- **Dimension (color box):** Φ102*93.2mm

**ES-32D11H**
- **Lens:** 2.8mm
- **Horizontal FOV:** 120°

**ES-32D12H**
- **Lens:** 3.6mm
- **Horizontal FOV:** 85°

**ES-32D13H**
- **Lens:** 6mm
- **Horizontal FOV:** 54°

**ES-32E11H**
- **Lens:** 2.8mm
- **Horizontal FOV:** 114°

**ES-32E12H**
- **Lens:** 3.6mm
- **Horizontal FOV:** 78°

**ES-32E13H**
- **Lens:** 6mm
- **Horizontal FOV:** 51°

**ES-34F11H**
- **Lens:** 2.8mm
- **Horizontal FOV:** 106°

**ES-34F13H**
- **Lens:** 3.6mm
- **Horizontal FOV:** 48°

### HD Analog Camera - Bullet Camera

**ES-32D12**
- **Image Sensor:** 1/3” 4MP CMOS
- **Effective Pixels:** 2560 x 1440
- **Video Frame System:** 4MP@25fps (PAL), 4MP@30fps (NTSC)
- **IR Distance:** 10 ~ 20m
- **Video Output:** AHD/TVI/CVI/CVBS
- **Lens:** 3.6mm
- **Video Setting:** Contrast/Sharpness/Color Gain/Format/True WDR/DNR
- **Horizontal FOV:** 75°
- **S/N Ratio:** ≥50dB
- **OSD:** UTC support based on DVR
- **Working Environment:** -30°C ~ 60°C, 10%~90% RH
- **Dimension (color box):** Φ102*93.2mm

**ES-32D11K**
- **Lens:** 2.8mm
- **Horizontal FOV:** 120°

**ES-32D12K**
- **Lens:** 3.6mm
- **Horizontal FOV:** 85°

**ES-32E11K**
- **Lens:** 2.8mm
- **Horizontal FOV:** 114°

**ES-32E12K**
- **Lens:** 3.6mm
- **Horizontal FOV:** 78°

**ES-32E13K**
- **Lens:** 6mm
- **Horizontal FOV:** 51°
**HD Analog Camera - Dome Camera**

- **BS-34F11K**
  - Lens: 2.8mm
  - Horizontal FOV: 106°

- **BS-34F13K**
  - Lens: 3.6mm
  - Horizontal FOV: 48°

- **BL-34F28L**
  - Image Sensor: 1/3” AP CMOS
  - Effective Pixels: 2560*1440
  - Video Frame System: 1080P@25fps (PAL); 1080P@30fps (NTSC)
  - IR Distance: 20 ~ 30m
  - Video Output: AHD/TVI/CVI/CVBS
  - S/N Ratio: ≥50dB
  - OSD: UTC support based on DVR
  - Working Environment: -30°C ~ 60°C; 10%~90% RH
  - Dimension (color box): 186.5(L)*71.7(W)*84(H)mm

- **DL-32D26B**
  - IR Distance: 20-30m

- **DL-32D36B**
  - IR Distance: 30-50m

- **DL-32E26B**
  - IR Distance: 20-30m

- **DL-32E36B**
  - IR Distance: 30-50m

- **BS-34F11K**
  - Image Sensor: 1/3” AP CMOS
  - Effective Pixels: 2560*1440
  - Video Frame System: 1080P@25fps (PAL); 1080P@30fps (NTSC)
  - IR Distance: 10 ~ 20m
  - Video Output: AHD/TVI/CVI/CVBS
  - S/N Ratio: ≥50dB
  - OSD: UTC support based on DVR
  - Working Environment: -30°C ~ 60°C; 10%~90% RH
  - Dimension (color box): 160.3(L)*63.4(W)*64.5(H)mm

- **BS-34F13K**
  - Image Sensor: 1/3” CMOS
  - Effective Pixels: 4MP
  - Video Frame System: 4MP@25fps (PAL); 4MP@30fps (NTSC)
  - IR Distance: 10 ~ 20m
  - Video Output: AHD/TVI/CVI/CVBS
  - S/N Ratio: ≥50dB
  - OSD: UTC support based on DVR
  - Working Environment: -30°C ~ 60°C; 10%~90% RH
  - Dimension (color box): 186.5(L)*71.7(W)*94.5(H)mm

- **DL-32D26B**
  - IR Distance: 20-30m

- **DL-32D36B**
  - IR Distance: 30-50m

- **DL-32E26B**
  - IR Distance: 20-30m

- **DL-32E36B**
  - IR Distance: 30-50m

- **DL-34F12B**
  - Image Sensor: 1/2.7” 2MP CMOS
  - Effective Pixels: 1920*1080
  - Video Frame System: 1080P@25fps (PAL); 1080P@30fps (NTSC)
  - IR Distance: 20 ~ 30m
  - Video Output: AHD/TVI/CVI/CVBS
  - S/N Ratio: ≥41dB
  - OSD: UTC support based on DVR
  - Working Environment: -30°C ~ 60°C; 10%~90% RH
  - Dimension (color box): Φ133.1x104.0mm

- **DL-34F26B**
  - Image Sensor: 1/3” AP CMOS
  - Effective Pixels: 2560*1440
  - Video Frame System: 4MP@25fps (PAL); 4MP@30fps (NTSC)
  - IR Distance: 20 ~ 30m
  - Video Output: AHD/TVI/CVI/CVBS
  - S/N Ratio: ≥50dB
  - OSD: UTC support based on DVR
  - Working Environment: -30°C ~ 60°C; 10%~90% RH
  - Dimension (color box): Φ133.1x104.0mm

- **DL-32D26B**
  - IR Distance: 20-30m

- **DL-32D36B**
  - IR Distance: 30-50m

- **DL-32E26B**
  - IR Distance: 20-30m

- **DL-32E36B**
  - IR Distance: 30-50m

- **DL-34F26B**
  - Image Sensor: 1/3” 4MP CMOS
  - Effective Pixels: 2560*1440
  - Video Frame System: 4MP@25fps (PAL); 4MP@30fps (NTSC)
  - IR Distance: 20 ~ 30m
  - Video Output: AHD/TVI/CVI/CVBS
  - S/N Ratio: ≥50dB
  - OSD: UTC support based on DVR
  - Working Environment: -30°C ~ 60°C; 10%~90% RH
  - Dimension (color box): Φ133.1x104.0mm

- **DL-32D26B**
  - IR Distance: 20-30m

- **DL-32D36B**
  - IR Distance: 30-50m

- **DL-32E26B**
  - IR Distance: 20-30m

- **DL-32E36B**
  - IR Distance: 30-50m

- **DL-34F26B**
  - Image Sensor: 1/3” 4MP CMOS
  - Effective Pixels: 2560*1440
  - Video Frame System: 4MP@25fps (PAL); 4MP@30fps (NTSC)
  - IR Distance: 20 ~ 30m
  - Video Output: AHD/TVI/CVI/CVBS
  - S/N Ratio: ≥50dB
  - OSD: UTC support based on DVR
  - Working Environment: -30°C ~ 60°C; 10%~90% RH
  - Dimension (color box): Φ133.1x104.0mm

- **DL-32D26B**
  - IR Distance: 20-30m

- **DL-32D36B**
  - IR Distance: 30-50m

- **DL-32E26B**
  - IR Distance: 20-30m

- **DL-32E36B**
  - IR Distance: 30-50m
**HD Analog Camera - PTZ Camera**

**PL-52C18A**
- Image Sensor: 1/2.9" Progressive Scan CMOS
- Effective Pixels: 2560*1440
- Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR; B/W: 0.001 Lux @ (F1.2, AGC ON), 0 Lux with IR
- Lens: 18X, Zoom: 4.7-84.6mm, F1.6-F5.0, Auto/Manual
- IR Range: 120m
- Video Compression: H.264
- Audio: G.711A
- Main Stream: 2MP (1920*1080), 1080P (1920*1080), 720P (1280*720), CIF
- Protocols: TCP/IP, HTTP, DHCP, DNS, PPPoE, SMTP, NTP, 802.1x, IPv6 (optional)
- Memory Card: On-board storage, Up to 32G
- Dimensions: Φ102x93.2mm

**PL-52C30A**
- Image Sensor: 1/2.9" Low illumination CMOS
- Effective Pixels: 2560*1440
- Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON); 0 Lux with IR; B/W: 0.001 Lux @ (F1.2, AGC ON); 0 Lux with IR
- Lens: 30X, Zoom: 9.6-288mm, F1.6-F5.0, Auto/Manual
- IR Range: 240m
- Video Compression: H.264
- Audio: G.711A
- Main Stream: 4MP (2560*1440), 1080P (1920*1080), 720P (1280*720), CIF
- Protocols: TCP/IP, HTTP, DHCP, DNS, PPPoE, SMTP, NTP, 802.1x, IPv6 (optional)
- Memory Card: On-board storage, Up to 32G
- Dimensions: Φ102x93.2mm

**PS-32A10B**
- IR Distance: 120m
- Lens: 4.7-144mm
- Zoom: 10x optical zoom
- Working Environment: -40°C ~ 60°C, 0% ~ 95% RH
- Net Weight: 3.5kg

**PS-32B10C**
- IR Distance: 60m
- Lens: 5.1-51mm
- Zoom: 10x optical zoom
- Working Environment: -40°C ~ 60°C, 0% ~ 95% RH
- Net Weight: 3.5kg

**PS-32C20D**
- IR Distance: 120m
- Lens: 4.7-94mm
- Zoom: 10-20x optical zoom
- Working Environment: -30°C ~ 60°C, 0% ~ 95% RH
- Net Weight: 4.5kg

**PS-32C30A**
- IR Distance: 240m
- Lens: 9.6-288mm
- Zoom: 30x optical zoom
- Working Environment: -30°C ~ 60°C, 0% ~ 95% RH
- Net Weight: 6.5kg

**IP Camera - Eyeball Camera**

**ES-52O11H**
- Image Sensor: 2MP 1/2.8" Progressive Scan CMOS
- Effective Pixels: 1920*1080
- Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON); 0 Lux with IR; B/W: 0.001 Lux @ (F1.2, AGC ON); 0 Lux with IR
- Lens: 2.8mm
- IR Range: 10-20m
- Video Compression: H.264/H.265
- Audio: G.711A/G.711Mu/G.726/G.726ASF
- Main Stream: 2MP (1920*1080), 1080P (1920*1080), 720P (1280*720), CIF
- Protocols: TCP/IP, HTTP, DHCP, DNS, PPPoE, SMTP, NTP, 802.1x, IPv6 (optional)
- Memory Card: On-board storage, Up to 32G
- Dimensions: Φ102x93.2mm

**ES-52O12H**
- Image Sensor: 2MP 1/2.8" Progressive Scan CMOS
- Effective Pixels: 1920*1080
- Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON); 0 Lux with IR; B/W: 0.001 Lux @ (F1.2, AGC ON); 0 Lux with IR
- Lens: 3.6mm
- IR Range: 10-20m
- Video Compression: H.264/H.265
- Audio: G.711A/G.711Mu/G.726/G.726ASF
- Main Stream: 2MP (1920*1080), 1080P (1920*1080), 720P (1280*720), CIF
- Protocols: TCP/IP, HTTP, DHCP, DNS, PPPoE, SMTP, NTP, 802.1x, IPv6 (optional)
- Memory Card: On-board storage, Up to 32G
- Dimensions: Φ102x93.2mm

**ES-52O13H**
- Image Sensor: 2MP 1/2.8" Progressive Scan CMOS
- Effective Pixels: 1920*1080
- Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON); 0 Lux with IR; B/W: 0.001 Lux @ (F1.2, AGC ON); 0 Lux with IR
- Lens: 6mm
- IR Range: 10-20m
- Video Compression: H.264/H.265
- Audio: G.711A/G.711Mu/G.726/G.726ASF
- Main Stream: 2MP (1920*1080), 1080P (1920*1080), 720P (1280*720), CIF
- Protocols: TCP/IP, HTTP, DHCP, DNS, PPPoE, SMTP, NTP, 802.1x, IPv6 (optional)
- Memory Card: On-board storage, Up to 32G
- Dimensions: Φ102x93.2mm
IP Camera - Bullet Camera

- **Image Sensor:** 6MP 1/3" Progressive Scan CMOS
- **Effective Pixels:** 2020*1080
- **Min. Illumination:**
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
- **Video Compression:** H.265/H.264
- **Audio:** G.711A/G.711Mu/G.726/G.726ASF
- **Interface Protocol:** ONVIF Profile S/API
- **ROI:** Support 4 fixed regions for mainstream and sub-stream separately
- **Dimensions:** Φ111.6*105mm

- **Image Sensor:** 5MP 1/3" Progressive Scan CMOS
- **Effective Pixels:** 2020*1080
- **Min. Illumination:**
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
- **Video Compression:** H.265/H.264
- **Audio:** G.711A/G.711Mu/G.726/G.726ASF
- **Interface Protocol:** ONVIF Profile S/API
- **ROI:** Support 4 fixed regions for mainstream and sub-stream separately
- **Dimensions:** Φ111.6*105mm

- **Image Sensor:** 5MP 1/3" Progressive Scan CMOS
- **Effective Pixels:** 2020*1080
- **Min. Illumination:**
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
- **Video Compression:** H.265/H.264
- **Audio:** G.711A/G.711Mu/G.726/G.726ASF
- **Interface Protocol:** ONVIF Profile S/API
- **ROI:** Support 4 fixed regions for mainstream and sub-stream separately
- **Dimensions:** Φ111.6*105mm

- **Image Sensor:** 2MP 1/2.8" Progressive Scan CMOS
- **Effective Pixels:** 1280*720
- **Min. Illumination:**
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
- **Video Compression:** H.265/H.264
- **Audio:** G.711A/G.711Mu/G.726/G.726ASF
- **Interface Protocol:** ONVIF Profile S/API
- **ROI:** Support 4 fixed regions for mainstream and sub-stream separately
- **Dimensions:** Φ111.6*105mm

- **Image Sensor:** 3MP (2048*1536), 3MP (2048*1530), 1920*1200, 1280*720, 720P (1280*720), D1, CIF
- **Effective Pixels:** 2048*1536, 2048*1530, 1920*1200, 1280*720, 720P (1280*720), D1, CIF
- **Dimensions:** Φ102x93.2mm

- **Image Sensor:** 2MP 1/2.8" Progressive Scan CMOS
- **Effective Pixels:** 1920*1080
- **Min. Illumination:**
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
- **Video Compression:** H.265/H.264
- **Audio:** G.711A/G.711Mu/G.726/G.726ASF
- **Interface Protocol:** ONVIF Profile S/API
- **ROI:** Support 4 fixed regions for mainstream and sub-stream separately
- **Dimensions:** Φ111.6*105mm

- **Image Sensor:** 4MP (2560*1440), 3MP (2048*1530), 3MP (2048*1530), 1920*1200, 720P (1280*720), D1, CIF
- **Effective Pixels:** 2560*1440, 2048*1530, 2048*1530, 1920*1200, 1280*720, 720P (1280*720), D1, CIF
- **Dimensions:** Φ111.6*105mm

- **Image Sensor:** 2MP 1/2.8" Progressive Scan CMOS
- **Effective Pixels:** 1920*1080
- **Min. Illumination:**
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
- **Video Compression:** H.265/H.264
- **Audio:** G.711A/G.711Mu/G.726/G.726ASF
- **Interface Protocol:** ONVIF Profile S/API
- **ROI:** Support 4 fixed regions for mainstream and sub-stream separately
- **Dimensions:** Φ111.6*105mm

- **Image Sensor:** 2MP 1/2.8" Progressive Scan CMOS
- **Effective Pixels:** 1920*1080
- **Min. Illumination:**
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
- **Video Compression:** H.265/H.264
- **Audio:** G.711A/G.711Mu/G.726/G.726ASF
- **Interface Protocol:** ONVIF Profile S/API
- **ROI:** Support 4 fixed regions for mainstream and sub-stream separately
- **Dimensions:** Φ111.6*105mm
BS-S4N11K
- Lens: 2.8mm

BS-S4N13K
- Lens: 3.6mm

BL-S2O28L
- R Range: 20-30m

BL-S2O38L
- R Range: 30-50m

BL-S2T28L
- R Range: 30-50m

BL-S2T38L
- R Range: 30-50m

BS-S4N38L
- R Range: 30-50m

Image Sensor: 4.0 MP 1/3" Progressive Scan CMOS
- Effective Pixels: 2560*1440
- Min. Illumination:
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
- VR: Range: 20-30m
- Video Compression: H.265/H.264
- Audio: G.711A/G.711Mu/G.726/G.726ASF
- Bit Rate: 32Kbps~8Mbps
- Interface Protocol: ONVIF Profile S/API
- ROI: Support 4 fixed region for mainstream and sub stream separately
- Dimensions: Φ133.1*104mm

IP Camera - Dome Camera

DL-S4N12B
- Image Sensor: 4.0 MP 1/3" Progressive Scan CMOS
- Effective Pixels: 2560*1440
- Min. Illumination:
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
  - Lens: 3.6mm
- IR Range: 10-20m
- Resolution: 4MP (2560*1440), 3MP (2048*1520, 2304*1296), 1080P (1920*1080), 720P (1280 * 720P), D1, CIF
- Horizontal FOV: 75°
- Video Compression: H.265/H.264
- Audio: G.711A/G.711Mu/G.726/G.726ASF
- Bit Rate: 32Kbps~8Mbps
- Network Storage: Support 802.1X
- Network Protocols: TCP/IP, UDP, HTTP, IGMP, ICMP, DHCP, RTP/RTSP, DNS, DDNS, FTP, NTP, PPPoE, UPnP, SMTP, SNMP
- Interface Protocol: ONVIF Profile S/API
- ROI: Support 4 fixed region for mainstream and sub stream separately
- Dimensions: Φ133.1*104mm

Image Sensor: 4.0 MP 1/3" Progressive Scan CMOS
- Effective Pixels: 2560*1440
- Min. Illumination:
  - Color: 0.01Lux @ (F1.2, AGC ON); 0 Lux with IR
  - B/W: 0.001Lux @ (F1.2, AGC ON); 0 Lux with IR
  - Lens: 3.6mm
- IR Range: 10-20m
- Resolution: 4MP (2560*1440), 3MP (2048*1520, 2304*1296), 1080P (1920*1080), 720P (1280 * 720P), D1, CIF
- Horizontal FOV: 75°
- Video Compression: H.265/H.264
- Audio: G.711A/G.711Mu/G.726/G.726ASF
- Bit Rate: 32Kbps~8Mbps
- Network Storage: Support 802.1X
- Network Protocols: TCP/IP, UDP, HTTP, IGMP, ICMP, DHCP, RTP/RTSP, DNS, DDNS, FTP, NTP, PPPoE, UPnP, SMTP, SNMP
- Interface Protocol: ONVIF Profile S/API
- ROI: Support 4 fixed region for mainstream and sub stream separately
- Dimensions: Φ133.1*104mm
### DVR - All-in-One DVR

<table>
<thead>
<tr>
<th>Model</th>
<th>Live View</th>
<th>Recording</th>
<th>Audio Input</th>
<th>Two-way Talk</th>
<th>Search Mode</th>
<th>Playback</th>
<th>Weight</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Z304XE-P</strong></td>
<td>4CH</td>
<td>4CH<em>1080N@12fps, 4CH</em>720P@25fps</td>
<td>4/1 I/O</td>
<td>Yes</td>
<td>Time/Calendar/Event/Channel</td>
<td>4CH</td>
<td>1KG</td>
<td>255mm(L) * 236mm(W) * 44mm(H)</td>
</tr>
<tr>
<td><strong>Z308XE-P</strong></td>
<td>8CH</td>
<td>8CH<em>1080N@25fps, 8CH</em>720P@25fps</td>
<td>4/1 I/O</td>
<td>Yes</td>
<td>Time/Calendar/Event/Channel</td>
<td>8CH</td>
<td>1.8KG</td>
<td>350mm(L) * 296mm(W) * 44mm(H)</td>
</tr>
<tr>
<td><strong>Z316XE-P</strong></td>
<td>16CH</td>
<td>16CH<em>1080N@25fps, 8CH</em>1080P@25fps</td>
<td>2/1 I/O</td>
<td>Yes</td>
<td>Time/Calendar/Event/Channel</td>
<td>16CH</td>
<td>1.8KG</td>
<td>350mm(L) * 296mm(W) * 44mm(H)</td>
</tr>
</tbody>
</table>

| **Z304XE-CL** | Live View: 4CH | Record: 4CH*1080N | Audio Input: 4/1 | Two-way Talk: Yes | Search Mode: Time/Calendar/Event/Channel | Playback: 4CH |
| **Z308XE-CL** | Live View: 8CH | Record: 8CH*1080N | Audio Input: 4/1 | Two-way Talk: Yes | Search Mode: Time/Calendar/Event/Channel | Playback: 8CH |
| **Z316XE-CL** | Live View: 16CH | Record: 16CH*1080N | Audio Input: 4/1 | Two-way Talk: Yes | Search Mode: Time/Calendar/Event/Channel | Playback: 16CH |

| **Z304XE-C** | Live View: 4CH | Record: 4CH*1080P | Audio Input: 4/1 | Two-way Talk: Yes | Search Mode: Time/Calendar/Event/Channel | Playback: 4CH |
| **Z308XE-C** | Live View: 8CH | Record: 8CH*1080P | Audio Input: 4/1 | Two-way Talk: Yes | Search Mode: Time/Calendar/Event/Channel | Playback: 8CH |
| **Z316XE-C** | Live View: 16CH | Record: 16CH*1080P | Audio Input: 4/1 | Two-way Talk: Yes | Search Mode: Time/Calendar/Event/Channel | Playback: 16CH |

### Specifications
- **Compression**: H.264+/H.264
- **Audio Input**: 4/1 I/O
- **Two-way Talk**: Yes
- **Search Mode**: Time/Calendar/Event/Channel
- **Playback**: 4CH
- **HDD**: 1 SATA, up to 8TB
- **Network Interface**: RJ45 1*10/100Mbps Ethernet port
- **USB Interface**: 2*USB 2.0
- **Protocol**: TCP/IP, DHCP, FTP, DNS, DDNS, NTP, UPnP
- **Power Supply**: 12V/2A
- **Dimensions**: 255mm(L) * 236mm(W) * 44mm(H)

### Additional Models
- **Z308XE-CL**
- **Z316XH-CL**
- **Z332XM-CL**
- **Z316XH-C**

### Features
- **Compression**: H.264+/H.264
- **Audio Input**: 4/1 I/O
- **Two-way Talk**: Yes
- **Search Mode**: Time/Calendar/Event/Channel
- **Playback**: 4CH
- **HDD**: 1 SATA, up to 8TB
- **Network Interface**: RJ45 1*10/100Mbps Ethernet port
- **USB Interface**: 2*USB 2.0
- **Protocol**: TCP/IP, DHCP, FTP, DNS, DDNS, NTP, UPnP
- **Power Supply**: 12V/2A
- **Dimensions**: 255mm(L) * 236mm(W) * 44mm(H)
**NVR - PoE-NVR**

- **Z504NER-4P**
  - Live View: 4CH
  - Incoming Bandwidth: 48Mbps
  - Playback: 4CH
  - PoE: 4CH 10/100 Mbps
  - Power Supply: DC 48V 1.35A
  - Video Compression: H.265/H.264
  - Video Output: 1CH VGA, 1CH 4K/1080P HDMI
  - Audio Compression: G.711a
  - Intercom: 1CH, two way talk
  - HDD: 1*HDD, up to 8TB
  - Network Interface: RJ45 10M/100M adaptive ethernet interface
  - USB Port: 1 USB 2.0, 1 USB 3.0
  - Weight: 1.7KG
  - Dimensions: 215*235*45mm

- **Z508NER-4P**
  - Live View: 8CH
  - Incoming Bandwidth: 60Mbps
  - Playback: 8CH
  - PoE: 8CH 10/100 Mbps
  - Power Supply: DC 48V 1.875A
  - Video Compression: H.265/H.264
  - Video Output: 1CH VGA, 1CH 4K/1080P HDMI
  - Audio Compression: G.711a
  - Intercom: 1CH, two way talk
  - HDD: 1*HDD, up to 8TB
  - Network Interface: RJ45 10M/100M adaptive ethernet interface
  - USB Port: 1 USB 2.0, 1 USB 3.0
  - Weight: 1.7KG
  - Dimensions: 215*235*45mm

- **Z516NER**
  - Live View: 16CH
  - Incoming Bandwidth: 80Mbps
  - Playback: 16CH
  - PoE: 16CH 10M/100M/1000M self-adaptive Ethernet
  - Power Supply: 110V~220V ±10%
  - Video Compression: H.265/H.264
  - Video Output: 1*VGA, 2*HDMI 4K/1080P output
  - Audio Compression: G.711a
  - Intercom: 1CH, two way talk
  - HDD: 1*HDD, up to 8TB
  - USB Port: 1 USB 2.0, 1 USB 3.0
  - PoE: N/A
  - Dimensions: 215*235*45mm

- **Z516NHR**
  - Live View: 16CH
  - Incoming Bandwidth: 80Mbps
  - Playback: 16CH
  - PoE: N/A
  - Dimensions: 215*235*45mm

- **Z532NFR-16P**
  - Live View: 16CH
  - Incoming Bandwidth: 80Mbps
  - Playback: 16CH
  - PoE: N/A
  - Dimensions: 215*235*45mm

- **Z532NFR-16P**
  - Live View: 32CH
  - Incoming Bandwidth: 200Mbps
  - Playback: 32CH
  - PoE: N/A
  - Dimensions: 437*483*143mm
Smart Phone, **Smart Lock**.

Your smart phone is now your key.
Glass Door Lock

Features:
- Doorbell Function
- OLED Display Design
- Slim Design
- Suitable for All Door Open Direction
- Easy Operation with Voice Guidance
- Fast verification Speed for Dry and Rough Fingerprint

<table>
<thead>
<tr>
<th>Verification Mode</th>
<th>FP/Passcode/Card/Remote Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Capacity</td>
<td>100</td>
</tr>
<tr>
<td>Power Supply</td>
<td>4xAA Alkaline Battery</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>10mm – 12mm</td>
</tr>
<tr>
<td>Fingerprint Sensor</td>
<td>Semi-conductive / Silicon</td>
</tr>
<tr>
<td>Backup Power</td>
<td>Mini USB port for power bank</td>
</tr>
</tbody>
</table>

Bluetooth Lock

Features:
- Various Access For Your Convenience - Card/PIN /Key /Mobile Phone
- BLE 4.0, Works With ZKBioBL APP
- Reversible Design To Accommodate All Door Open Directions
- External Terminals To Draw back-up Power From A 9V Battery
- Smart Alarm For Low Battery And Illegal Operation
- AL10B: American Standard Single Latch With Adjustable Backset (60 or 70mm) AL10DB: German Standard Mortise With Double Latches

<table>
<thead>
<tr>
<th>Model</th>
<th>AL10B</th>
<th>AL10DB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Zinc Alloy</td>
<td>Zinc Alloy</td>
</tr>
<tr>
<td>Capacity</td>
<td>Fingerprint/Pin -100</td>
<td>Fingerprint/Pin -100</td>
</tr>
<tr>
<td>Power Supply</td>
<td>4xAA Alkaline battery (NOT supplied)</td>
<td>4xAA Alkaline battery (NOT supplied)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>over 6,000 times (about 1 year)</td>
<td>Above 1 year</td>
</tr>
<tr>
<td>Color Options</td>
<td>Silver</td>
<td>Silver</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>30-54 mm</td>
<td>30-54 mm</td>
</tr>
</tbody>
</table>

Features:
- Reversible Design: Fit for All Door Open Direction
- Manual Lock and Unlock Inside Room
- Private Mode

<table>
<thead>
<tr>
<th>Model</th>
<th>AL30B</th>
<th>AL40B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Zinc Alloy</td>
<td>Zinc Alloy</td>
</tr>
<tr>
<td>Verification Mode</td>
<td>AL30B: Card/Passcode/App/Key</td>
<td>AL40B: Fingerprint/Card/Passcode/App/Key</td>
</tr>
<tr>
<td>User Capacity</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>4xAA Alkaline battery (NOT supplied)</td>
<td>4xAA Alkaline battery (NOT supplied)</td>
</tr>
<tr>
<td>Mortise</td>
<td>American Deadbolt</td>
<td></td>
</tr>
<tr>
<td>Fingerprint Sensor</td>
<td>Semi-conductive / Silicon</td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>BLE 4.0</td>
<td></td>
</tr>
</tbody>
</table>
Features:
- Various Access For Your Convenience - Card/PIN/Key/Mobile Phone/
  Fingerprint
- BLE 4.0, Works With ZKBioBi APP
- Voice guidance for easy operation
- External Terminals To Draw Back-up Power From A 9V Battery
- Smart Alarm For Low Battery And Illegal Operation
- European Standard Mortise With 5 Latches, Which Can Lock The Door
  Automatically Once The Door Is Closed

<table>
<thead>
<tr>
<th>Model</th>
<th>TL400B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Zinc Alloy</td>
</tr>
<tr>
<td>Capacity</td>
<td>Fingerprint/PIN/Card - 100</td>
</tr>
<tr>
<td>Power Supply</td>
<td>4xAA Alkaline battery (NOT supplied)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>Above 1 year</td>
</tr>
<tr>
<td>Color Options</td>
<td>Silver</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>30-54 mm</td>
</tr>
<tr>
<td>Optional Functions</td>
<td>MF Card</td>
</tr>
</tbody>
</table>

Features:
- Various Access For Your Convenience - Face/fingerprint/Card/Password/Key
- Rechargeable lithium battery
- SilkID fingerprint sensor
- 2.8 inch capacitive screen
- Reversible Design To Accommodate All Door Open Directions
- Idle Handle Design To Prevent From Forcible Entry
- External Terminals To Draw Back-up Power From A 9V Battery
- Smart Alarm For Low Battery And Illegal Operation
- Rugged Anti-theft Mortise With 304 Stainless Steel Material

<table>
<thead>
<tr>
<th>ZM100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material: Zinc Alloy</td>
</tr>
<tr>
<td>Capacity: Face/Fingerprint/Card/password - 100</td>
</tr>
<tr>
<td>Power Supply: 4000mAh lithium battery</td>
</tr>
<tr>
<td>Battery Life: up to 8,000 unlock times, approx. 1 year</td>
</tr>
<tr>
<td>Color Options: Dull Nickel/Antique Copper/Golden</td>
</tr>
<tr>
<td>Door Thickness: 35-90 mm</td>
</tr>
</tbody>
</table>

Features:
- Material: Zinc Alloy
- Display: 3.0 inches capacitive touch screen
- Surface Treatments: paint
- Card Reader: ID card/Mifare card
- Biometric Capacity: 100
- Card Capacity: 100
- Password Capacity: 100
- Log Capacity: 30,000
- Mortise Type: European standard mortise with 5 latches
- Door Thickness: 35-50 mm (standard); 50-65 mm (optional); 65-80 mm (optional)
- Power Supply: 8xAA Alkaline battery (NOT supplied)
- Communication: USB Flash Disk
- Dimensions:
  - Front: 74(W)x327(L)x58(D) mm
  - Back: 74(W)x327(L)x40(D) mm
- Color Options: Silver/Gold

Features:
- Material: Zinc Alloy
- Capacity: Pin/Card -100
- Power Supply: 4xAA Alkaline battery (NOT supplied)
- Battery Life: Above 1 year
- Color Options: Silver
- Door Thickness: 30-54 mm

Features:
- Various Access For Your Convenience - Card/PIN/Key /Mobile Phone
- BLE 4.0, Works With ZKBioBi APP
- Reversible Design To Accommodate All Door Open Directions
- External Terminals To Draw Back-up Power From A 9V Battery
- Smart Alarm For Low Battery And Illegal Operation

<table>
<thead>
<tr>
<th>Model</th>
<th>DL30B/ DL30DB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Zinc Alloy</td>
</tr>
<tr>
<td>Capacity</td>
<td>Pin/Card - 100</td>
</tr>
<tr>
<td>Power Supply</td>
<td>4xAA Alkaline battery (NOT supplied)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>Above 1 year</td>
</tr>
<tr>
<td>Color Options</td>
<td>Silver</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>30-54 mm</td>
</tr>
</tbody>
</table>

Features:
- Various Access For Your Convenience - Card/PIN/Key /Mobile Phone /Fingerprint
- BLE 4.0, Works With ZKBioBi APP
- Reversible Design To Accommodate All Door Open Directions
- External Terminals To Draw Back-up Power From A 9V Battery
- Smart Alarm For Low Battery And Illegal Operation

<table>
<thead>
<tr>
<th>Model</th>
<th>TL400B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Zinc Alloy</td>
</tr>
<tr>
<td>Capacity</td>
<td>Fingerprint/PIN/Card - 100</td>
</tr>
<tr>
<td>Power Supply</td>
<td>4xAA Alkaline battery (NOT supplied)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>Above 1 year</td>
</tr>
<tr>
<td>Color Options</td>
<td>Silver</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>30-54 mm</td>
</tr>
<tr>
<td>Optional Functions</td>
<td>MF Card</td>
</tr>
</tbody>
</table>

Features:
- Various Access For Your Convenience - Card/PIN/Key /Mobile Phone /Fingerprint
- BLE 4.0, Works With ZKBioBi APP
- Reversible Design To Accommodate All Door Open Directions
- External Terminals To Draw Back-up Power From A 9V Battery
- Smart Alarm For Low Battery And Illegal Operation

<table>
<thead>
<tr>
<th>Model</th>
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<tbody>
<tr>
<td>Material</td>
<td>Zinc Alloy</td>
</tr>
<tr>
<td>Capacity</td>
<td>Pin/Card - 100</td>
</tr>
<tr>
<td>Power Supply</td>
<td>4xAA Alkaline battery (NOT supplied)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>Above 1 year</td>
</tr>
<tr>
<td>Color Options</td>
<td>Silver</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>30-54 mm</td>
</tr>
</tbody>
</table>

Features:
- Various Access For Your Convenience - Card/PIN/Key /Mobile Phone /Fingerprint
- BLE 4.0, Works With ZKBioBi APP
- Reversible Design To Accommodate All Door Open Directions
- External Terminals To Draw Back-up Power From A 9V Battery
- Smart Alarm For Low Battery And Illegal Operation

<table>
<thead>
<tr>
<th>Model</th>
<th>TL400B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Zinc Alloy</td>
</tr>
<tr>
<td>Capacity</td>
<td>Fingerprint/PIN/Card - 100</td>
</tr>
<tr>
<td>Power Supply</td>
<td>4xAA Alkaline battery (NOT supplied)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>Above 1 year</td>
</tr>
<tr>
<td>Color Options</td>
<td>Silver</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>30-54 mm</td>
</tr>
<tr>
<td>Optional Functions</td>
<td>MF Card</td>
</tr>
</tbody>
</table>
## Fingerprint Lock

### L4000
- **Material**: Zinc Alloy
- **Surface Treatments**: Bright Chrome
- **Capacity**: Fingerprint/Card -500/Password-100
- **Biometric Capacity**: 100
- **Card Capacity**: 100
- **Mortise Type**: European standard mortise with 5 latches
- **Battery Life**: Approx. 1 year
- **Power Supply**: 4xAA Alkaline battery (NOT supplied)
- **Door Thickness**: 35-50 mm (standard), 50-80 mm (optional)
- **Color Options**: Black

### L5000
- **Material**: Zinc alloy
- **Surface Treatments**: Bright chrome
- **Biometric Capacity**: 100
- **Card Capacity**: 100
- **Password Capacity**: 100
- **Log Capacity**: 30,000
- **Card Reader**: ID card (optional), Mifare card (optional)
- **Mortise Type**: European standard mortise with 5 latches
- **Door Thickness**: 30-50 mm (standard), 50-65 mm (standard), 65-80 mm (standard)
- **Communication**: USB Flash Disk
- **Power Supply**: 4xAA Alkaline battery (NOT supplied)
- **Dimensions**: Front - 72(W)x310(L)x34(D) mm, Back - 72(W)x310(L)x30(D) mm
- **Color Options**: Black/Grey

### L7000/L7000S
- **Material**: Zinc Alloy
- **Surface Treatments**: Paint
- **Keypad**: 4
- **Biometric Capacity**: 500
- **Card Capacity**: / 
- **Log Capacity**: 30,000
- **Mortise Type**: American Standard Single Latch
- **Door Thickness**: 30-54 mm (standard)
- **Power Supply**: 4xAA Alkaline battery (NOT supplied)
- **Communication**: USB Flash Disk (optional)
- **Dimensions**: Front - 72(W)x185(L)x69(D) mm, Back - 72(W)x185(L)x30(D) mm
- **Color Options**: Silver/Black

### TL100
- **Material**: Zinc Alloy
- **Surface Treatments**: Plated
- **Keypad**: 12
- **Biometric Capacity**: 100
- **Card Capacity**: 100
- **Password Capacity**: 2
- **Mortise Type**: China standard anti-theft mortise
- **Door Thickness**: 35-90 mm
- **Power Supply**: 8xAA Alkaline battery (NOT supplied)
- **Communication**: USB Flash Disk
- **Dimensions**: Front - 75(W)x360(L)x36(D) mm, Back - 75(W)x360(L)x36(D) mm
- **Color Options**: Dull Nickel/Antique Copper Plated & Champagne Gold Paint

### TL200
- **Material**: Zinc Alloy
- **Surface Treatments**: Paint/Plated
- **Keypad**: 12
- **Biometric Capacity**: 100
- **Card Capacity**: 100
- **Password Capacity**: 100
- **Mortise Type**: China standard anti-theft mortise
- **Door Thickness**: 35-90 mm
- **Power Supply**: 8xAA Alkaline battery (NOT supplied)
- **Communication**: USB Flash Disk
- **Dimensions**: Front - 75(W)x360(L)x36(D) mm, Back - 75(W)x360(L)x36(D) mm
- **Color Options**: Dull Nickel/Antique Copper Plated & Champagne Gold Paint

### TL100/ML110D
- **Material**: Zinc Alloy
- **Surface Treatments**: Paint
- **Card Reader**: ID
- **Biometric Capacity**: 90
- **Card Capacity**: 90
- **Log Capacity**: 500
- **Mortise Type**: American standard single latch
- **Door Thickness**: 30-54 mm (standard)
- **Power Supply**: 4xAA Alkaline battery (NOT supplied)
- **Communication**: Bluetooth
- **Dimensions**: Front - 69(W)x155(L)x35(D) mm, Back - 69(W)x155(L)x25(D) mm
- **Color Options**: Silver/Champagne Gold

### ML10/ML10D
- **Material**: Zinc Alloy
- **Surface Treatments**: Paint
- **Card Reader**: ID
- **Biometric Capacity**: 90
- **Card Capacity**: 90
- **Log Capacity**: 500
- **Mortise Type**: American standard single latch
- **Door Thickness**: 30-54 mm (standard)
- **Power Supply**: 4xAA Alkaline battery (NOT supplied)
- **Communication**: Bluetooth
- **Dimensions**: Front - 69(W)x155(L)x35(D) mm, Back - 69(W)x155(L)x25(D) mm
- **Color Options**: Silver/Champagne Gold
Hotel Lock

**LH2600**
- Material: 304 Stainless Steel
- Biometric Capacity: User-defined
- Color Options: Silver
- Mortise Type: American standard mortise with 5 latches
- Power Supply: 4xAA Alkaline battery (NOT supplied)
- Dimensions: Front - 78(W)x286(L)x28(D) mm  
  Back - 78(W)x286(L)x18(D) mm
- Door Thickness: 35-55 mm

**LH3000**
- Material: Zinc Alloy(Front); ABS Plastic (Back)
- Biometric Capacity: User-defined
- Color Options: Silver
- Mortise Type: American standard mortise with 5 latches
- Power Supply: 4xAA Alkaline battery (NOT supplied)
- Dimensions: Front - 70(W)x260(L)x28(D) mm  
  Back - 70(W)x260(L)x12(D) mm
- Door Thickness: 35-55 mm

**LH4000**
- Material: Zinc Alloy(Front); ABS Plastic (Back)
- Biometric Capacity: User-defined
- Color Options: Champagne Gold
- Mortise Type: American standard mortise with 5 latches
- Power Supply: 4xAA Alkaline battery (NOT supplied)
- Dimensions: Front - 70(W)x260(L)x28(D) mm  
  Back - 70(W)x260(L)x28(D) mm
- Door Thickness: 35-55 mm

**LH5000**
- Material: Zinc Alloy(Front); ABS Plastic (Back)
- Biometric Capacity: User-defined
- Color Options: Champagne Gold
- Mortise Type: American standard mortise with 5 latches
- Power Supply: 4xAA Alkaline battery (NOT supplied)
- Dimensions: Front - 68(W)x260(L)x25(D) mm  
  Back - 68(W)x260(L)x25(D) mm
- Door Thickness: 35-55 mm

**LH3600**
- Material: 304 Stainless Steel
- Biometric Capacity: User-defined
- Color Options: Silver
- Mortise Type: American standard mortise with 5 latches
- Power Supply: 4xAA Alkaline battery (NOT supplied)
- Dimensions: Front - 60(W)x262(L)x23(D) mm  
  Back - 60(W)x262(L)x12(D) mm
- Door Thickness: 35-55 mm

**LH6000**
- Material: 304 Stainless Steel
- Biometric Capacity: User-defined
- Color Options: Silver
- Mortise Type: American standard mortise with 5 latches
- Power Supply: 4xAA Alkaline battery (NOT supplied)
- Dimensions: Front - 68(W)x260(L)x25(D) mm  
  Back - 68(W)x260(L)x25(D) mm
- Door Thickness: 35-55 mm
Accessory

Features:
- Working Voltage: 110V~220V Vac. Tolerance 10%
- Max. Load Current: 30A
- Static Power Consumption: 1 W
- Delay Time: Mifare: 12 s / General Type: 15s
- Card Type: Mifare ISO14443 Type-A; 570 4KB/550 1KB Mifare Cards / General Type: Any Type
- Material: Fireproof PC Material
- Dimensions: 86*86*44 mm

Features:
- Provide Accurate And Fast Mifare Card Encoding
- Plug and Play

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interface</td>
<td>USB Host 2.0</td>
</tr>
<tr>
<td>Working Voltage</td>
<td>USB power of DC 5V</td>
</tr>
<tr>
<td>Static Current</td>
<td>65 mA</td>
</tr>
<tr>
<td>Working Current</td>
<td>80 mA</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-10 °C ~ 70 °C</td>
</tr>
<tr>
<td>Card Type</td>
<td>ISO14443 Type-A; 570 4KB/550 1KB Mifare Cards</td>
</tr>
<tr>
<td>Dimensions</td>
<td>111<em>81</em>26.6 mm</td>
</tr>
</tbody>
</table>

Card Lock

- Material: ABS plastic
- Card Reader: Mifare card
- Card Capacity: 90
- Mortise Type: American Standard Single Latch
- Door Thickness: 30-38 mm (standard); 39-46 mm (standard); 47-54 mm (standard); 55-60 mm (optional)
- Power Supply: 4xAA Alkaline battery (NOT supplied)
- Dimensions: Front - 69(W)×155(L)×35(D) mm
  Back - 69(W)×155(L)×25(D) mm
- Color Options: Black

- Material: Zinc Alloy
- Surface Treatments: Paint
- Card Reader: Mifare card
- Card Capacity: 90
- Mortise Type: German standard mortise with one deadbolt and one latch
- Door Thickness: 30-38 mm (standard); 39-46 mm (standard); 47-54 mm (standard); 55-60 mm (optional)
- Power Supply: 4xAA Alkaline battery (NOT supplied)
- Dimensions: Front - 69(W)×155(L)×35(D) mm
  Back - 69(W)×155(L)×25(D) mm
- Color Options: Silver/Champagne Gold

ZK Smart Key

Smart Phone Door Management Solution

ZK Smartkey App is a door lock management software for mobile devices, which is compatible with Apple and Android phones. It is mainly used for door opening with mobile phones, mobile user management and user information review etc.

Visitor Mode
- Sharing Temporary Passcode From Anywhere, Anytime

Time Zone
- Grant Limited Access Rights to Your Housekeeper, Babysitter, etc.

Records Check
- Keep Track of Who & When Has Come

Remote Unlock
- Unlock Your Door While at Your Living Room, Bedroom, etc.
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

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.

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

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

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

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

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

Android App

iOS App
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.
**POS Terminals**

### ZK1510
- Processor: Intel Celeron® J1900 Quad-Core processor (2.0 GHz)
- System Memory: 2GB Standard, DDR3L 1333MHz (Max.8GB)
- Storage Device: 32GB SSD Standard, 1*2.5"HDD&2.5" Mini SSD
- OS: Windows 7/8, Windows 10 IoT Enterprise, POS Ready 7, Linux
- Display: 15" Bezel-Free true-flat display with PCAP touch screen
- Customer Display: LED (8C digital tube)
- Optional: MSR, VFD, 15" 2nd LCD Display, fingerprint reader
- Model Name: ZK1510, ZK1530, ZK1550

### ZK1515
- Processor: Intel Celeron® J1900 Quad-Core processor (2.0 GHz)
- System Memory: 2GB Standard, DDR3L 1333MHz (Max.8GB)
- Storage Device: 32GB SSD Standard, 1*2.5"HDD&2.5" Mini SSD
- OS: Windows 7/8, Windows 10 IoT Enterprise, POS Ready 7, Linux
- Display: 15" Bezel-Free true-flat display with PCAP touch screen
- Customer Display: LED (8C digital tube)
- Optional: MSR, VFD, 12.1" 2nd LCD Display, fingerprint reader

### ZK3510
- Processor: Intel Celeron® J1900 Quad-Core processor (2.0 GHz)
- System Memory: 2GB Standard, DDR3L 1333MHz (Max.8GB)
- Storage Device: 32GB SSD Standard, 1*Mini SATA
- OS: Windows 7/8, Windows 10 IoT Enterprise, POS Ready 7, Linux
- Display: 15" Bezel-Free true-flat display with PCAP touch screen
- Optional: MSR, VFD, 12.1" 2nd LCD Display, fingerprint reader
- Model Name: ZK3510, ZK3530, ZK3550

### ZK3510W
- Display: 15.6" Bezel-Free true-flat display with PCAP touch screen
- Optional: MSR, VFD, 12.1" 2nd LCD Display, fingerprint reader
- Model Name: ZK3510W, ZK3530W, ZK3550W

### ZK5510
- Processor: Intel Celeron® J1900 Quad-Core processor (2.0 GHz)
- System Memory: One SO-DIMM socket supports DDR3L 1600 up to 8GB
- Storage Device: 2.5" SATAIII HDD × 1
- OS: Windows 7/8, Windows 10 IoT Enterprise, POS Ready 7, Linux
- Display: 15" Five-Wire Analog Resistive or Projected Capacitive
- Optional: MSR, MSR + RFID, MSR + iButton, VFD, 8"/10" 2nd LCD Display, 1D/2D barcode scanner, Wi-Fi & NFC
- Model Name: ZK5510, ZK5510-P

### ZK5515
- Processor: Intel Celeron® J1900 Quad-Core processor (2.0 GHz)
- System Memory: 2GB Standard, DDR3L 1333MHz (Max.8GB)
- Storage Device: 32GB SSD Standard, 1*2.5"HDD&2.5" Mini SSD
- OS: Windows 7/8, Windows 10 IoT Enterprise, POS Ready 7, Linux
- Display: 15" Bezel-Free true-flat display with PCAP touch screen
- Optional: MSR, VFD, 15" 2nd LCD Display, fingerprint reader
- Model Name: ZK5515, ZK5530, ZK5550

### ZK5515W
- Display: 15.6" Bezel-Free true-flat display with PCAP touch screen
- Optional: MSR, VFD, 15" 2nd LCD Display, fingerprint reader
- Model Name: ZK5515W, ZK5530W, ZK5550W

### ZK7550
- Processor: Intel Celeron® J1900 Quad-Core processor (Optional i3 & i5)
- System Memory: 2GB Standard, DDR3L 1333MHz (Max.8GB)
- Storage Device: 32GB SSD Standard, 1*2.5"HDD&2.5"Mini SSD
- OS: Windows 7/8, Windows 10 IoT Enterprise, POS Ready 7, Linux
- Optional: MSR, MSR + RFID, MSR + iButton, VFD, 8"/10" 2nd LCD Display, 1D/2D barcode scanner, Wi-Fi & NFC
- Model Name: ZK7550, ZK7550-P

### ZK7550W
- Display: 15.6" Five-Wire Analog Resistive or Projected Capacitive
- Model Name: ZK7550W, ZK7550W-P

### ZKAIO2010
- Processor: Intel Celeron® J1900 Quad-Core processor (2.0 GHz)
- System Memory: One SO-DIMM socket supports DDR3L 1333MHz up to 8GB
- Storage Device: 2.5" SATAIII HDD × 1
- OS: Windows 7/8, Windows 10 IoT Enterprise, POS Ready 7, Linux
- Optional: MSR, MSR + RFID, MSR + iButton, VFD, 8"/10" 2nd LCD Display, Wi-Fi & NFC
- Model Name: ZKAIO2010, ZKAIO2050

### ZKHAO2030
- Display: 15" Bezel-Free true-flat display with PCAP touch screen
- Customer Display: LED (8C digital tube)
- Model Name: ZKAIO2030, ZKAIO2050

### ZK7550
- Display: 15.6" Five-Wire Analog Resistive or Projected Capacitive
- Model Name: ZK7550, ZK7550-P

### Built-in 80mm Thermal Printer
- Processor: Intel Celeron® J1900 Quad-Core processor (2.0 GHz)
- System Memory: 2GB Standard, DDR3L 1333MHz (Max.8GB)
- Storage Device: 32GB SSD Standard, 1*2.5"HDD&2.5"Mini SSD
- Model Name: ZKAIO2030, ZKAIO2050
- OS: Windows 7/8, Windows 10 IoT Enterprise, POS Ready 7, Linux
- Display: 15" Bezel-Free true-flat display with PCAP touch screen
- Customer Display: LED (8C digital tube)
- Optional: MSR, VFD, 15" 2nd LCD Display, fingerprint reader

- Model Name: ZKAIO2030, ZKAIO2050
**Peripherals**

- **ZKP8001**
  - Auto Cutter Direct Thermal Line Printing
  - 300mm/sec
  - Support different languages
  - Support different systems
  - Compatible with ESC / POS

- **ZKP8002**
  - Auto Cutter Direct Thermal Line Printing
  - 300mm/sec
  - Support different languages
  - Support different systems
  - Compatible with ESC / POS

- **ZKP8005**
  - Wall-mounted thermal printer
  - Auto Cutter Direct Thermal Line Printing
  - 300mm/sec
  - Support different languages
  - Support different systems
  - Compatible with ESC / POS

- **ZKP5801/ZKP5802**
  - Direct Thermal Line Printing
  - 90mm/sec
  - Support different languages
  - Support different systems
  - Compatible with ESC / POS

- **ZKB101**
  - 1D barcode scanner
  - 32-bit wired laser
  - Provides USB-HID interface

- **ZKB102**
  - 1D barcode scanner
  - 32-bit wired laser
  - Provides USB-HID interface

- **ZKB201**
  - 2D barcode scanner
  - Provides USB-HID interface

- **ZKC01**
  - With 4 Bills, 8 Coins
  - Equipped with 1 Check
  - Slots, 3 Position Lock

- **ZKD15 Series**
  - 15” TFT LCD Panel
  - 5 wires touch screen
  - 12V 3A
  - Support VGA input format
  - Foldable Touch Monitor
  - Model: ZKD1502, ZKD1503

- **ZKD17 Series**
  - 17” TFT LCD Panel
  - 5 wires touch screen
  - 12V 3A
  - Support VGA input format
  - Foldable Touch Monitor
  - Model: ZKD1702, ZKD1703

**ZKPOS**

**Biometric-Enabled POS Software**

- **User Login**
  - Excellent portal module to Login
  - Easy to login with fingerprint or username/password
  - User-friendly interface

- **Main Menu**
  - Easy main menu navigation
  - Admin can easily access and manage day to day details of the organization
  - User login can only access ‘Cashier’ privilege forms such as work period and POS

- **POS Payment Section**
  - DISCOUNT AND ROUND: For adding discount or rounding a particular amount from the payment bill.
  - Applies cash, credit, vouchers, etc. payment methods
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.
**Embedded Module - Fingerprint**

- **SLK20M**
  - Material: Optical glass
  - CPU: 280MHz
  - Flash: 32 MB
  - Water Splash: no damage, make sure it can work
  - Power Consumption: 5V:200mA scanning, 5V:60mA idle (waiting for finger)
  - Interface Type: Molex 51021-0700 (7 pin, 1.25 mm)
  - Dimension: 36.2 * 44.2 * 15.85 mm (L*W*H)
  - Sunlight Operation: YES, dark field and automatic gain/exposure
  - Dry, moist, or rough fingerprints: Work well
  - Image Resolution: 500~1000 dpi
  - Image Size: 300 * 400 pixel (FAP20)
  - Live Detection: YES
  - Template: ZKFinger V10.0
  - Certifications: FCC, CE, RoHS
  - Operating Environment: -20 °C to +50 °C, 90% r.h.

- **ZK9500**
  - Material: Optical glass
  - CPU: 280MHz
  - Flash: 32 MB
  - Water Splash: no damage, make sure it can work
  - Power Consumption: 5V:200mA scanning, 5V:60mA idle (waiting for finger)
  - Interface Type: USB Type A
  - Dimension: 124.5 * 102 * 34 mm (L*W*H)
  - Sunlight Operation: YES, dark field and automatic gain/exposure
  - Dry, moist, or rough fingerprints: Work well
  - Image Resolution: 500 dpi
  - Image Size: 300 * 400 pixel (FAP20)
  - Live Detection: YES
  - Template: ZKFinger V10.0
  - Certifications: FCC, CE, RoHS
  - Operating Environment: 0~+50°C, 90% r.h.

**USB Scanner - Fingerprint**

- **SLK20R**
  - Material: Optical glass
  - CPU: 280MHz
  - Flash: 32 MB
  - Water Splash: no damage, make sure it can work
  - Power Consumption: 5V:200mA scanning, 5V:60mA idle (waiting for finger)
  - Interface Type: USB Type A
  - Dimension: 49 * 44 * 20.1 mm (L*W*H)
  - Sunlight Operation: YES, dark field and automatic gain/exposure
  - Dry, moist, or rough fingerprints: Work well
  - Image Resolution: 500~1000 dpi
  - Image Size: 300 * 400 pixel (FAP20)
  - Live Detection: YES
  - Template: ZKFinger V10.0
  - Certifications: FCC, CE, RoHS
  - Operating Environment: -20 °C to +50 °C, 90% r.h.

- **USB Scanner - Finger Vein**

- **FPV10R**
  - Material: Optical
  - Effective Collecting Area: 13.24*15.7 mm
  - Image Size: 256*360 pixel/240*320 pixel
  - Image Resolution: 500 dpi
  - Gray Level: 256
  - Interface Socket: USB Type A
  - Communication: USB 2.0/USB1.1
  - Power Voltage: 4.8V~5.5V (USB)
  - Operating Environment: -20 °C to +50 °C, 90% r.h.
  - Dimension (L*W*H): 114.6*65.8*63.4 mm
  - Battery: 4500mAh Li-polymer
  - Sealing: IP65, IEC compliance
  - Operating Environment: 0~+50°C, 90% r.h.

**Hybrid Biometrics Terminal**

- **HB510**
  - CPU: Quad core 64 bit Cortex A53 1.3GHz
  - Display: 7 inch HD screen Corning gorilla touch screen
  - Camera: Rear 8 million pixels, Auto-focus with LED flash
  - RAM: 2GB/ROM: 16GB
  - Image Resolution: 720*1280 pixel
  - Operating System: Android 5.1.1
  - Communication: Wi-Fi, 4G, Bluetooth 4.0
  - Interface Socket: USB2.0
  - Optional Function: Fingerprint Module/Barcode/NFC
  - Power Consumption: 5V 2A
  - Battery: 3.7V, 7000mAh Li-polymer
  - Sealing: IP54, IEC compliance
  - Operating Environment: -20~+50°C, 90% r.h.

- **HB500**
  - CPU: Quad core 1 GHz
  - Display: 5 inch HD screen touch screen
  - Camera: Front 2 million pixels, rear 5 million pixels, Auto-focus with LED flash
  - RAM: 1GB/ROM: 16GB
  - Image Resolution: 720*1280 pixel
  - Operating System: Android 5.1.1
  - Communication: Wi-Fi, 4G, Bluetooth 4.0
  - Interface Socket: USB2.0
  - Optional Function: Fingerprint Module/Barcode/NFC
  - Power Consumption: 5V 2A
  - Battery: 3.7V, 7000mAh Li-polymer
  - Sealing: IP54, IEC compliance
  - Operating Environment: -20~+50°C, 90% r.h.