

ZKBioSecurity 3.0.5.0_R Changelog

1. Version Change

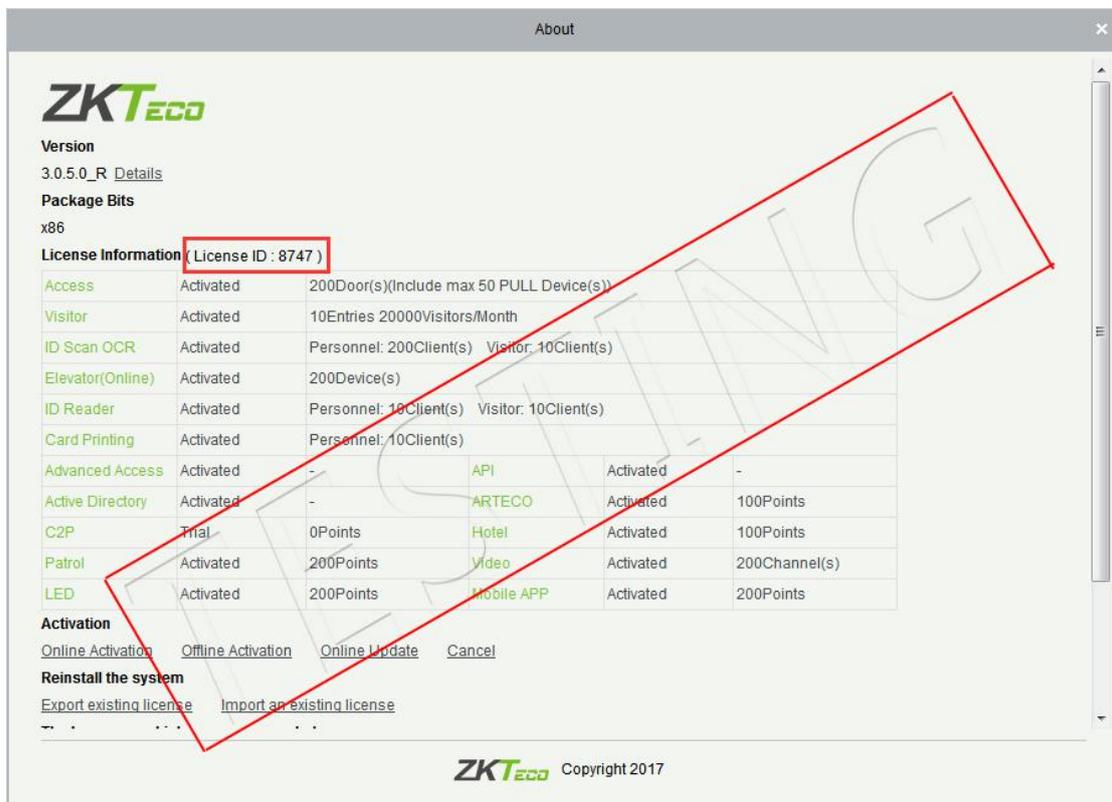
Previous Version: ZKBioSecurity 3.0.3.0_R

Current Version: ZKBioSecurity 3.0.5.0_R

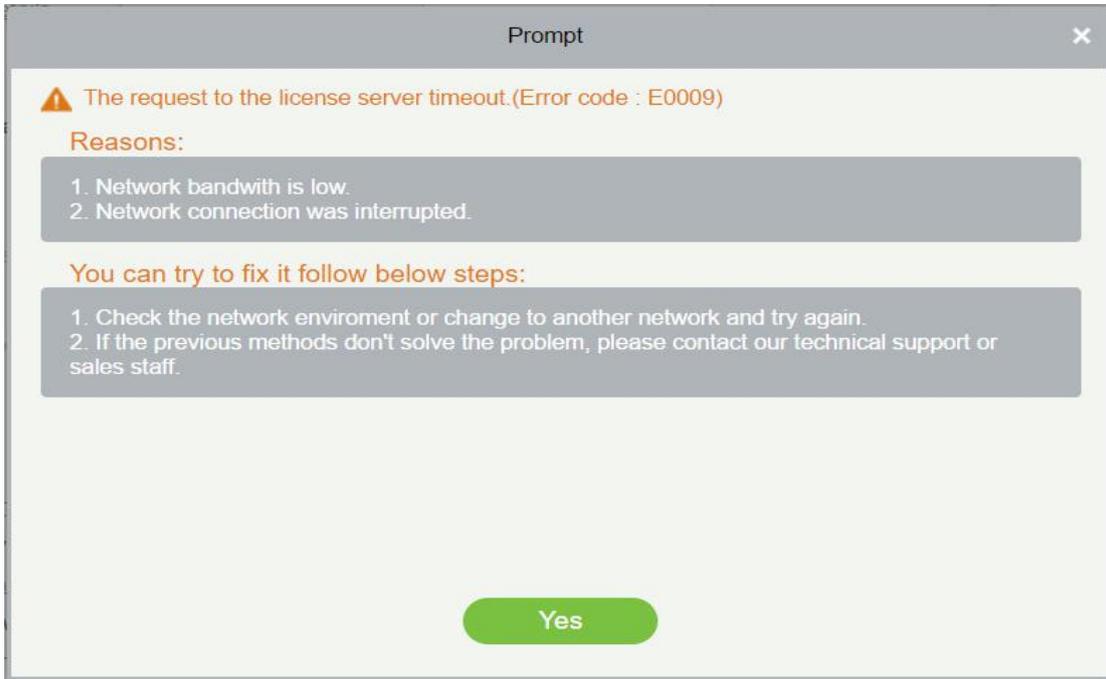
2. Function Updates

2.1 Platform

1. Add license ID in [About] page,you can check detailed license information easily,and it is convenient for sales or technical support to check license selling issue.If the license is not release version,you will see the watermark [TESTING] in this page and the login page.



- 2. Improve license prompt information,you can see the error code,reasons and related solution about how to fix the issue by yourself or give feedback to us quickly and easily.This is a useful improvement for trouble shooting.



- 3. New added third party API which can be controlled by software license,this built-in API is used to integrate with third party software.

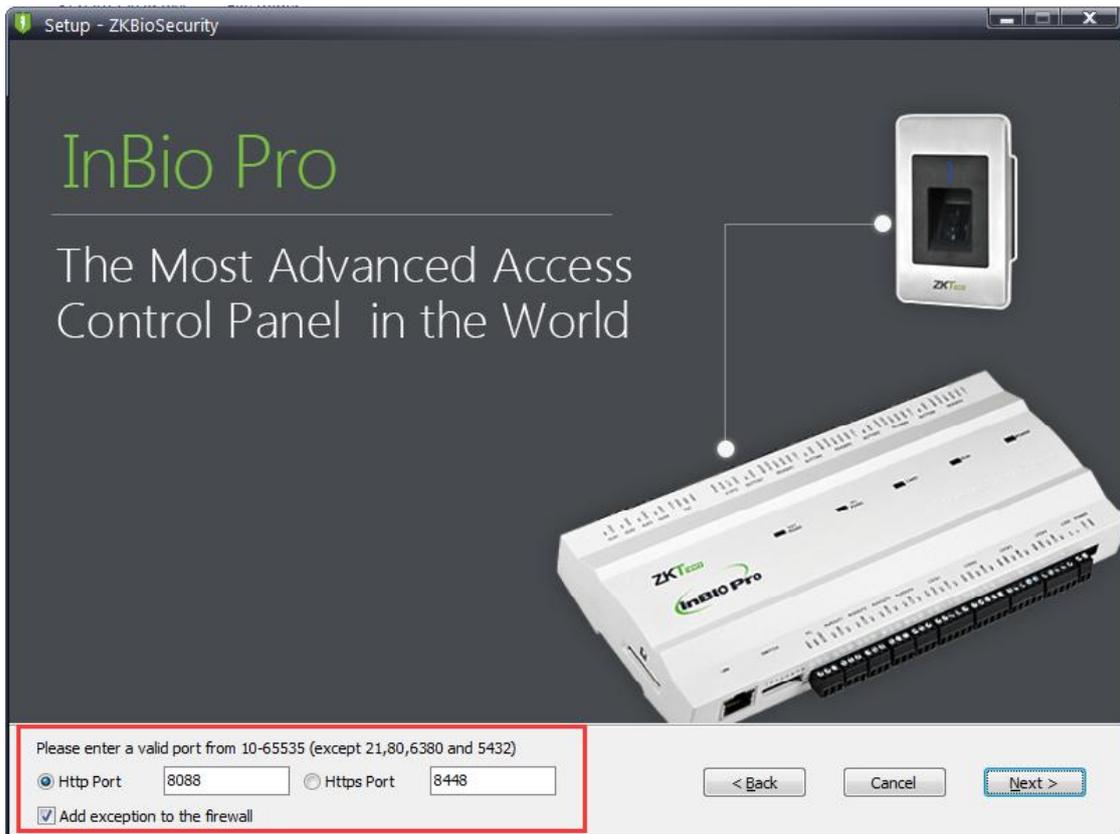


ZKBioSecurityAPI

AccLevel	Show/Hide	List Operations	Expand Operations
Card	Show/Hide	List Operations	Expand Operations
Department	Show/Hide	List Operations	Expand Operations
Device	Show/Hide	List Operations	Expand Operations
Door	Show/Hide	List Operations	Expand Operations
Person	Show/Hide	List Operations	Expand Operations
Reader	Show/Hide	List Operations	Expand Operations
Transaction	Show/Hide	List Operations	Expand Operations

[BASE URL: /api]

4. Bug Fixing: sometimes failed to add port exception to firewall while installing the software in Win10 OS.



5. Improve some license activation compatibility:
 - 1) Installing the software in the virtual machine.
 - 2) Activating license while using the mobile phone hotspot.
 - 3) Activating license in server with more than one network card.

2.2 Personnel

1. Support **Indonesia(only ID card) OCR function, Malaysia and Dubai ID Card Reader function**. By using these two functions we can obtain information from the ID card and auto-fill in the personnel column. For the supported hardware please refer to Visitor Module.

This new feature is controlled by license.

- New Added Function: Active Directory management function**, ZKBioSecurity can connect with 3rd party AD server to get the Personnel/Department information to our software directly. If you want to get some more data we can do the customization for you. **This new feature is controlled by license.**

The screenshot shows the ZKTeco software interface with the following sections:

- AD Server Configuration:**
 - Server Address*: ldap://192.168.217.19:389
 - Username*: TestAdministrator
 - Password: *****
 - Domain Node*: ou=pers,dc=test,dc=com
 - Test Connection button
- Field Configuration:**
 - Database Fields: Personnel ID*, First Name, Last Name, Department Name, Mobile Phone, Email
 - Fields from AD Server: Description, First Name, Last Name, Department, Mobile phone, E-mail
 - Reset Configuration button
- Sync Data from AD Server:**
 - Timed import time: Every 1 Day 0 o'clock
 - Immediately Import button

3. **New Added Function: Card Printing.** Now ZKBioSecurity support HID/IDP/Evolis printer (suggested model: HID Fargo DTC1250E/IDP Smart-50S/Evolis Dualys&Pebble&Primacy& Zenius&Elyps). **This new feature is controlled by license.**



HID FARGO DTC1250e



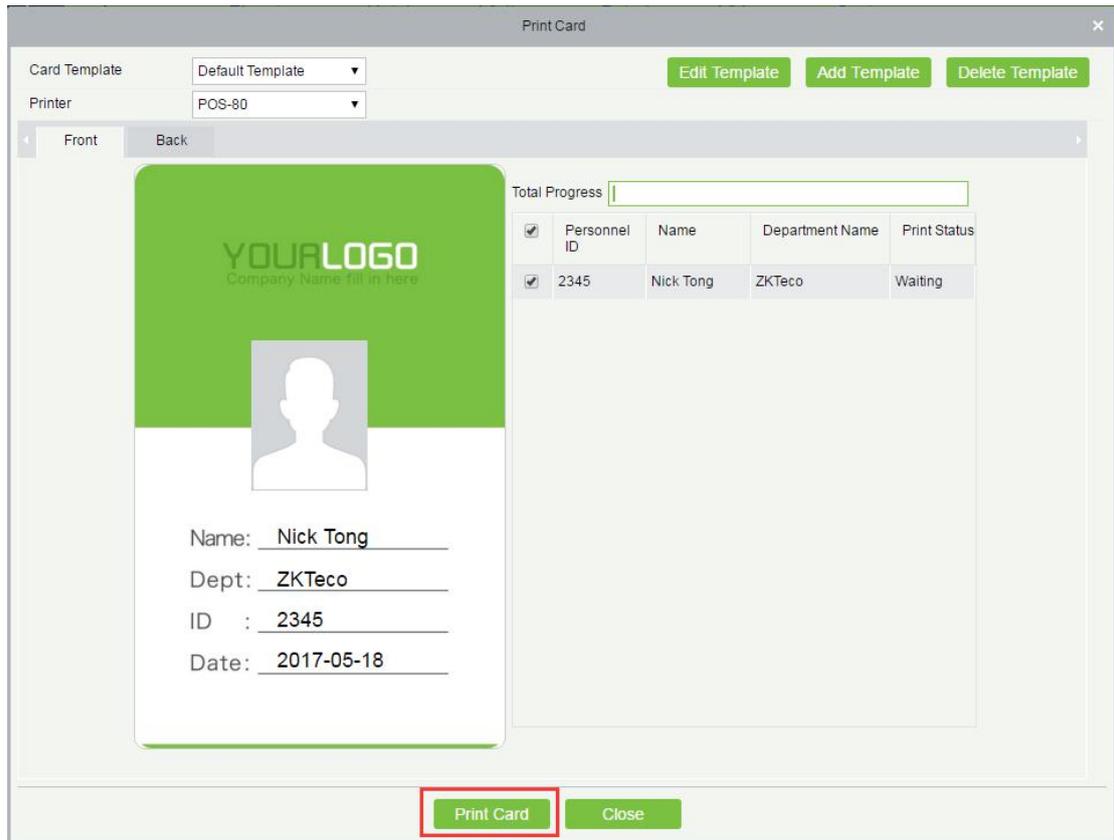
IDP SMART-50S

The screenshot shows the ZKTeco software license information page with the following details:

- Version:** 3.0.5.0_R [Details](#)
- Package Bits:** x86
- License Information:**

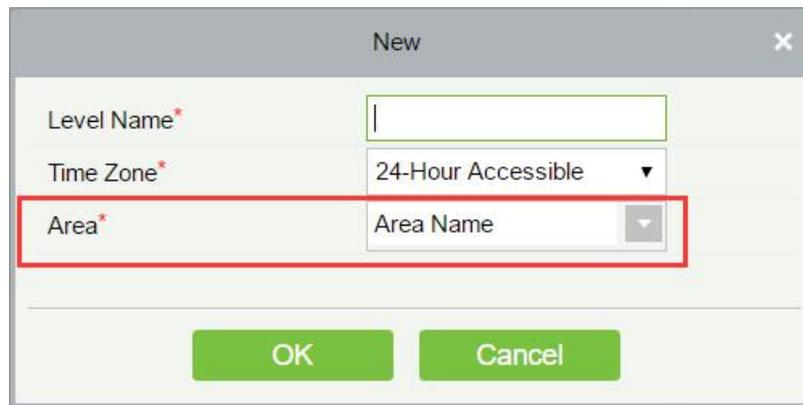
Visitor	Trial	1Entries 1000Visitors/Month			
ID Scan OCR	Trial	Personnel: 0Client(s) Visitor: 0Client(s)			
ID Reader	Trial	Personnel: 0Client(s) Visitor: 0Client(s)			
Card Printing	Trial	Personnel: 0Client(s)			
Access	Trial	50Door(s)	Advanced Access	Trial	-
API	Trial	x	Active Directory	Trial	x
ARTECO	Trial	0Points	C2P	Trial	0Points
Elevator(Online)	Trial	1Device(s)	Hotel	Trial	0Points
Patrol	Trial	8Points	Video	Trial	1Channel(s)
LED	Trial	0Points	Mobile APP	Trial	1Points

Here users can set employees' card content for printing one by one or once in batch.

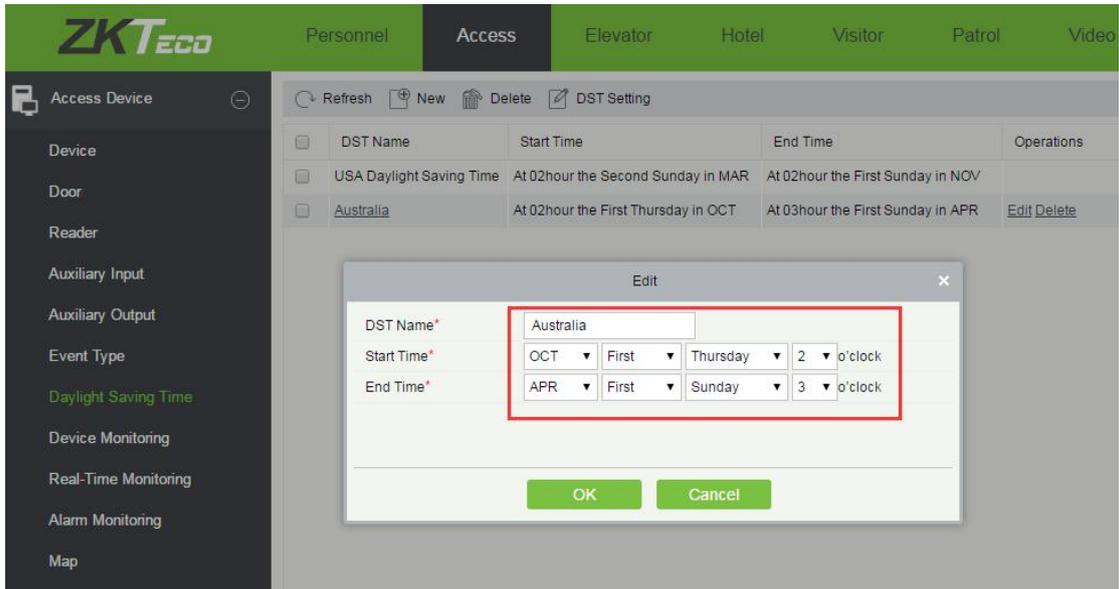


2.3 Access Control

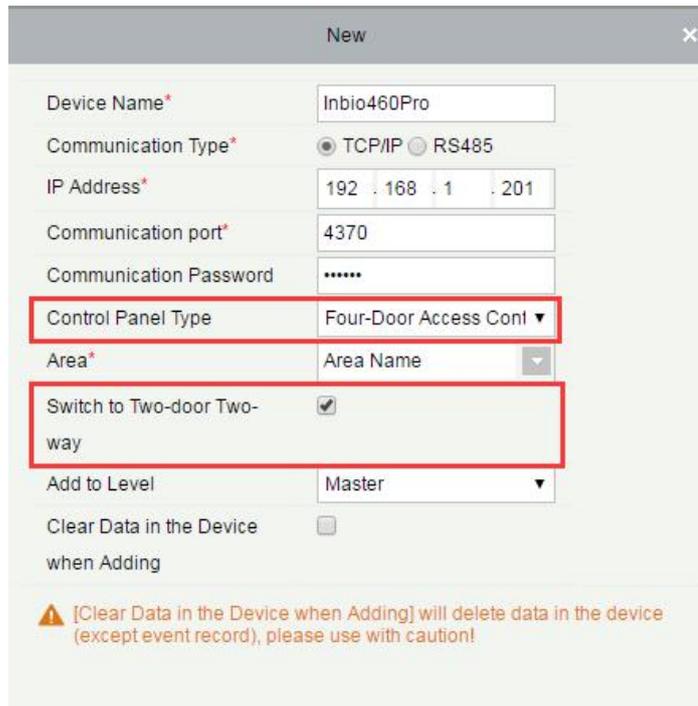
1. **Add area setting in Access Level (Both Access Control & Elevator Module)** : This option combined with user's access (elevator) level, it can make sure that user can only assign in the corresponding levels within corresponding area.



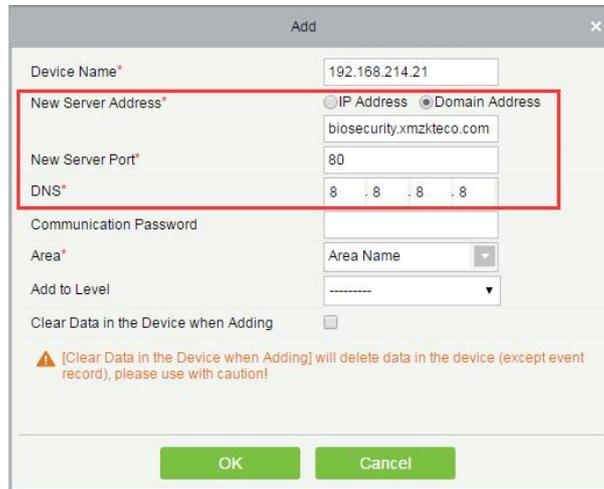
- Fixed daylight saving time bug in push controller (InBio Pro): now user can set the DLS rules cross the year. This change is helpful for the countries like Australia.



- Support switching four door one way controller (InBio Pro460) to two door two way. All the four doors panels except the InBio Pro Panel with ZEM560 platform will support this feature.
 - **Support:** InBio Pro 460(ZMM200)
 - **Non-Support:** InBio Pro 460(ZMM560)-Please contact our technical support to get the help if you want to use this feature for this device.



4. **New Added Function: Support DNS/DDNS in the new firmware** (already produced in Factory), this feature only available in 3.0.3.0/3.0.5.0 or above software.



2.4 Elevator Control

1. **New Added Function: Offline elevator control mode (Mifare Card Only), elevator online or offline mode can be controlled by license.** In offline mode, there will be no cable needed to communicate between elevator controller and server, all the access level authority will be saved in the Mifare card, then the elevator controller determine authority by reading those information within the card. This is helpful for certain cases when wiring is impossible.

In the Offline mode, Elevator Control module can only support up to 31 Floors and personnel access level can only assigned in maximum 2 Elevators.

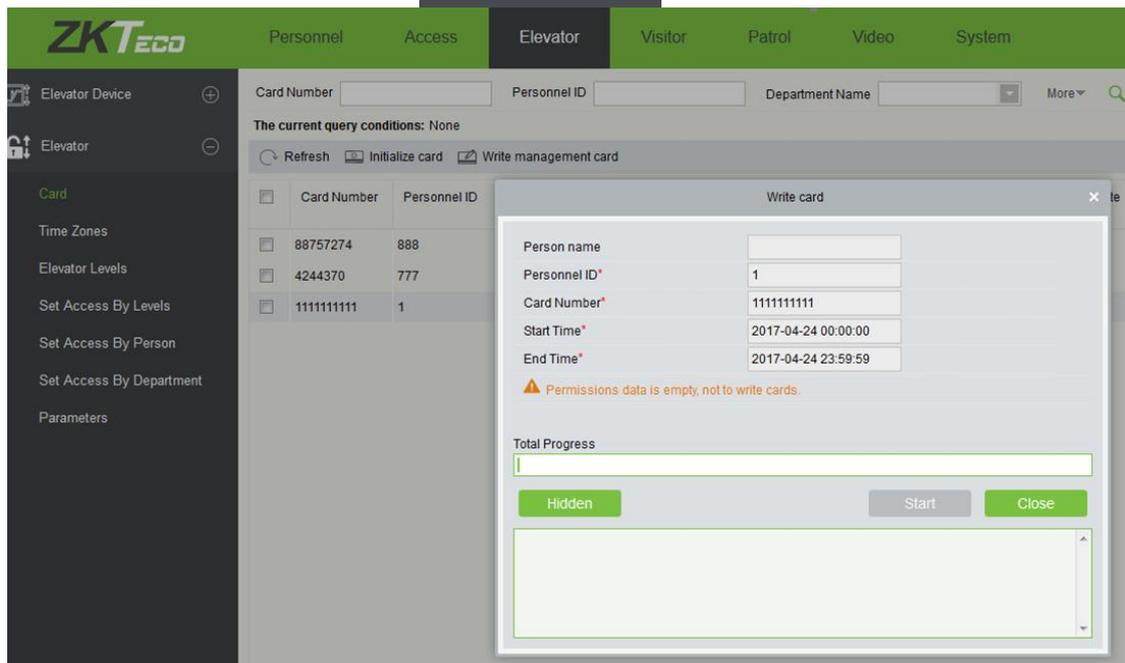
Controller: EC10 and Ext16

Firmware Version : AC Ver 7.0.0 Jul 1 2013(**Note:** The current firmware supports both Online and offline elevator mode.)

Mifare Card Encoder: CR20MW

Card Type: Mifare S50

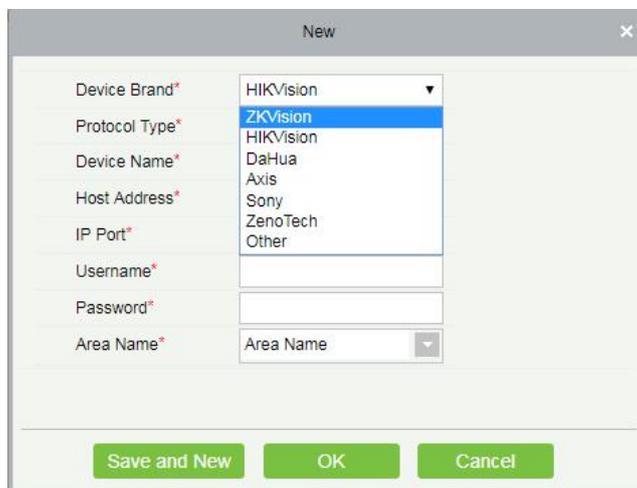
RS485 Mifare Reader: KR100-RSEC



Note: The current card encoder for offline elevator module is not the same with the one used in Hotel module. So if you want to use only one card encoder for both Hotel and Elevator module, we suggest user use the offline Hotel module and online elevator module, otherwise user have to use two different set of card encoder together.

2.5 Video

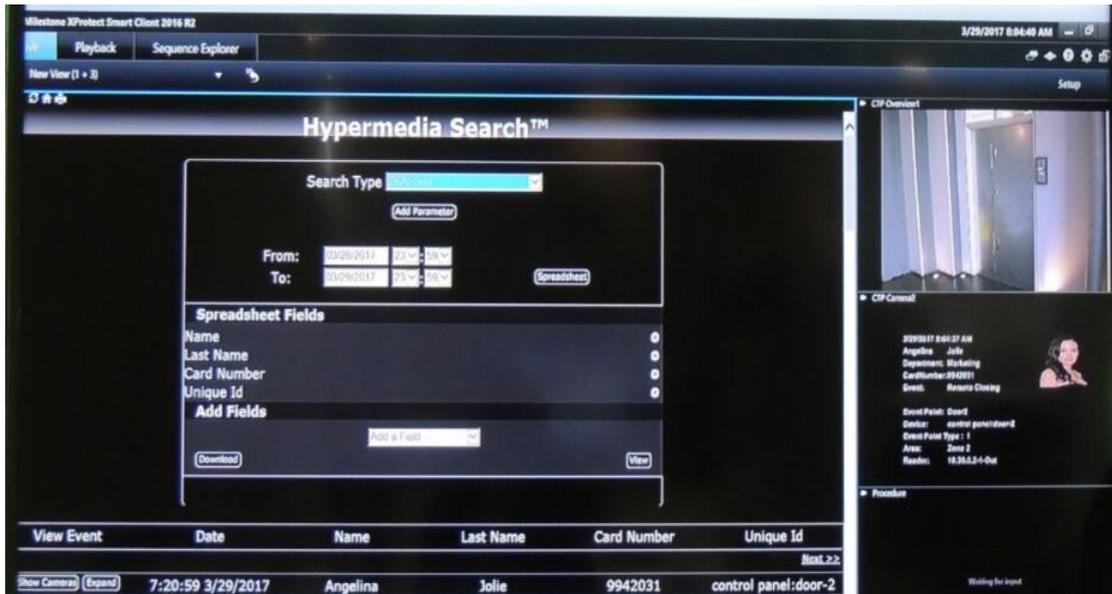
- New Added Function: Support ZKTeco GT/PT series cameras, and also support using Onvif protocol to connect 3rd party brand camera like Axis/Panasonic/Geovision/Sony, etc...** ONVIF is an open industry forum that provides and promotes standardized interfaces for effective interoperability of IP-based physical security products, and the camera can control by license. Users must check the ZKBioSecurity Video Surveillance supported hardware list before purchase. Moreover, if the cameras/DVR/NVR haven't been included in the list, users can also try it in our software and give feedback to US.



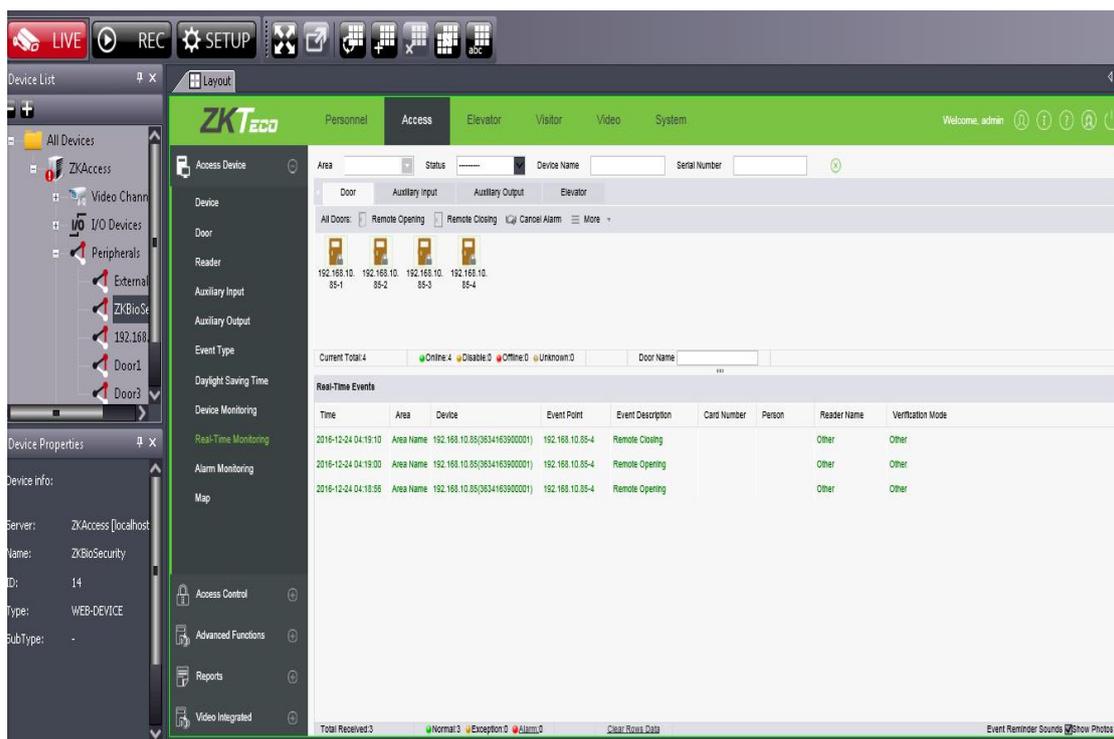
- Integrated with Arteco Video Software and C2P Video Middleware and connect with Milestone**, Arteco is a video surveillance software, which has the traditional features, and Arteco software is not only a CS architecture software but also supports the browsers and mobile App to access. C2P is a video surveillance middleware which can be compatible with most of the video camera, and also Milestones and OnSSI video surveillance platform.

The screenshot shows the Arteco website interface. At the top, there is a navigation bar with the Arteco logo and various menu items like 'Video Security', 'Industrial Automation', 'Building Automation', 'Company', 'News', 'Events', 'Partners', 'Where to buy', 'Support', and 'My Arteco'. Below the navigation bar, there is a search bar and flags for different languages. The main content area features a search filter for 'Camera Manufacturer' with a dropdown menu open, listing various manufacturers such as Foscam Intelligent Technology, Safer Science and Technology, Sunell Technology Corporation, and others. A table below the filter shows two supported devices: FI9803P and HD950W, both listed as 'Fixed Camera'. The table also includes columns for 'Device name', 'Device Type', 'Arteco Server™', and 'Details'. A 'Records: 50' dropdown is visible on the right side of the table.

The screenshot shows the Arteco software interface. The top menu bar includes 'File', 'Edit', 'View', 'Settings', 'Layout', and 'Help'. A 'LIVE' indicator is visible in the top left corner. The 'Settings' menu is open, showing options like 'Sound', 'Authorization', 'Reminder Mode', 'Buffering active', 'Maps', 'Web-Device', 'Export', and 'Language'. The 'Language' sub-menu is also open, listing 'Italian (Italiano)', 'English (English)', 'German (Deutsch)', 'Spanish (Español)', and 'Polish (Polski)'. The background shows a map with a camera icon and various location markers.



- By using this middleware, our software can synchronize the data to Artec and c2p software, including real-time events, door status, the camera information where the events occurred, event points included door, auxiliary input, auxiliary output etc..



- For more detail information please refer to the following links:

Artec:

- <https://us.sourcesecurity.com/news/articles/zkaccess-zkbiosecurity-access-control-platform-integrated-arteco-video-event-management-software-co-3093-ga-co-12725-ga-npr.22255.html>

C2P:

- 1) <https://facilityexecutive.com/2017/01/zkbiosecurity-security-management-software-c2p-video-event-integration/>
- 2) <https://www.sourcesecurity.com/technology-areas/biometrics/news/zkaccess-zkbiosecurity-software-integrates-c2p-co-1151-ga-co-12725-ga-co-1156-ga-co-2784-ga-co-9011-ga-co-10741-ga-npr.22278.html>

2.6 Visitor

- 1. Support new High-Speed Portable HD Doc Scanner(ZKTeco PDS3000), can capture the visitor photo and document at the same time.
- 2. Support ID Card Reader function for two countries currently, model uTrust 2700 R for Malaysia and ACS ACR38U-I1 for Dubai. We can obtain information from the ID card and fill in the visitor column automatically. **This new feature is controlled by license.**



ZKTeco PDS3000



uTrust 2700 R



ACS ACR38U-I1

- 3. **Support Indonesia OCR function**, visitors show ID card to the front desk, the operator can use the High-Speed Portable HD Doc Scanner(ZKTeco PDS3000) ,and then the Scanner at the front desk will capture photo to get information from the ID card and fill in the visitor column automatically. **This new feature is controlled by license.**

The screenshot shows the 'Entry Registration' window with the following fields and sections:

- Host/Visited ***: Enter the Query Condi (with search icon)
- Visit Department ***: Dropdown menu
- Visit Reason ***: Dropdown menu (set to 'Visit')
- Certificate Type ***: Dropdown menu (set to 'ID')
- Certificate No. ***: Text input field
- Entrance ***: Dropdown menu (set to 'server')
- First Name ***: Text input field
- Last Name**: Text input field
- Gender**: Dropdown menu
- Company**: Text input field
- Mobile Phone**: Text input field
- License Plate**: Text input field
- Nationality**: Dropdown menu
- Visitor Quantity ***: Text input field (set to '1')
- Carrying Goods**: Text input field
- Card Number**: Text input field

Permission section:

- Visitor Level**: Dropdown menu
- Start Time**: 2017-06-30 14:40:12
- End Time**: 2017-06-30 23:59:59

Capture section:

- Captured Photo**: Thumbnail of a plant
- Certificate Photo**: Two thumbnails of an ID card
- Capture**: Green button

Bottom buttons: **Save and New**, **OK**, **Cancel**

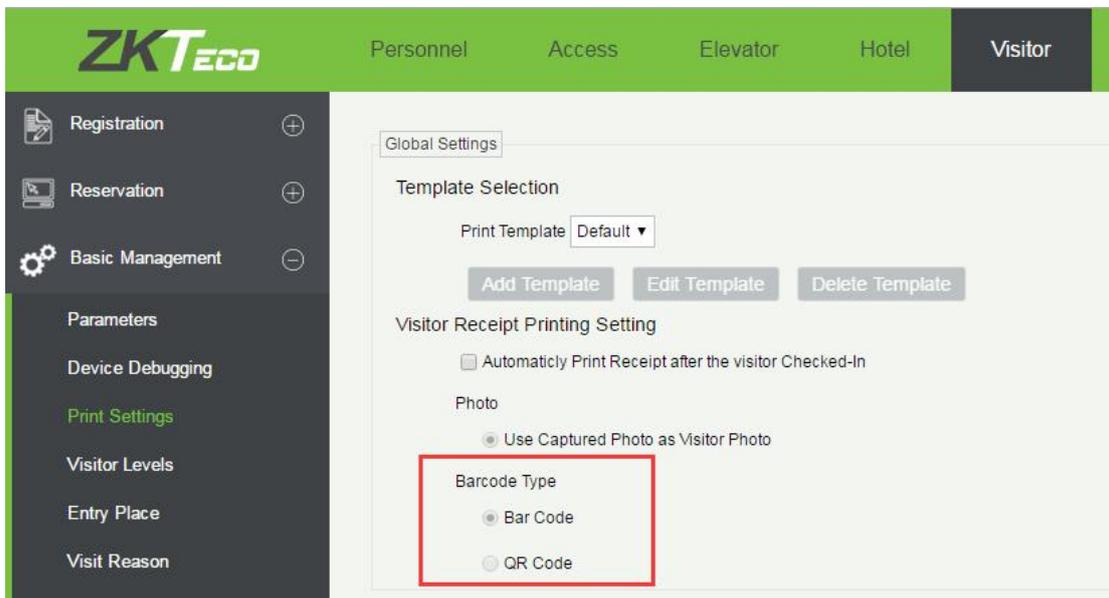
- Support using QR code/Barcode to open the door, visitor get the code printed on the paper at the front desk, then they can use this to enter the corresponding area. after the visit finish, visitor can show this paper to code scanner to check out quickly. This feature is very useful while using the Turnstiles/Barriers together with visitor module.



ZKT-BS 25



ZKT-BS 30



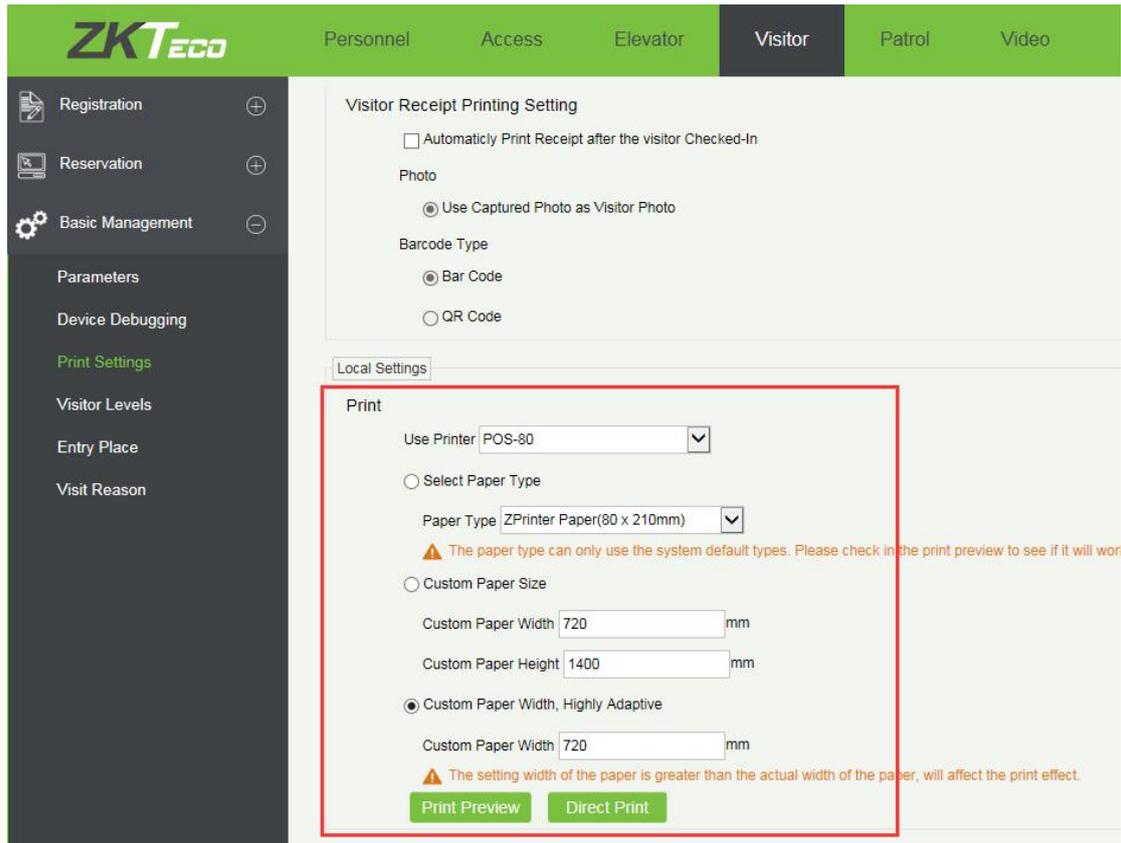
- Support badge printer: TP8016US which can be bought from ZKTeco directly. Improve the badge format to show more necessary information.



TP8016US

Visitor Badge
Visit Time: 2014-08-25 08:30:00

First Name	Harry
Last Name	Potter
Gender	F
Visit Reason	Business Meetings
Certificate Type	Passport
Certificate No.	888888197001018888
Company	ZKT
Host/Visited	Alex
Carrying Goods	Computer



The screenshot displays the ZKTeco software interface. The top navigation bar includes 'Personnel', 'Access', 'Elevator', 'Visitor', 'Patrol', and 'Video'. The left sidebar contains 'Registration', 'Reservation', 'Basic Management', 'Parameters', 'Device Debugging', 'Print Settings', 'Visitor Levels', 'Entry Place', and 'Visit Reason'. The main content area is titled 'Visitor Receipt Printing Setting' and includes the following options:

- Automatically Print Receipt after the visitor Checked-In
- Photo
 - Use Captured Photo as Visitor Photo
- Barcode Type
 - Bar Code
 - QR Code

Below this is the 'Local Settings' section, which is highlighted with a red box. It contains the following settings:

- Print
 - Use Printer: POS-80
 - Select Paper Type
 - Paper Type: ZPrinter Paper(80 x 210mm)
 - Warning:** The paper type can only use the system default types. Please check in the print preview to see if it will work.
 - Custom Paper Size
 - Custom Paper Width: 720 mm
 - Custom Paper Height: 1400 mm
 - Custom Paper Width, Highly Adaptive
 - Custom Paper Width: 720 mm
 - Warning:** The setting width of the paper is greater than the actual width of the paper, will affect the print effect.

At the bottom of the 'Print' section are two buttons: 'Print Preview' and 'Direct Print'.

2.7 Hotel

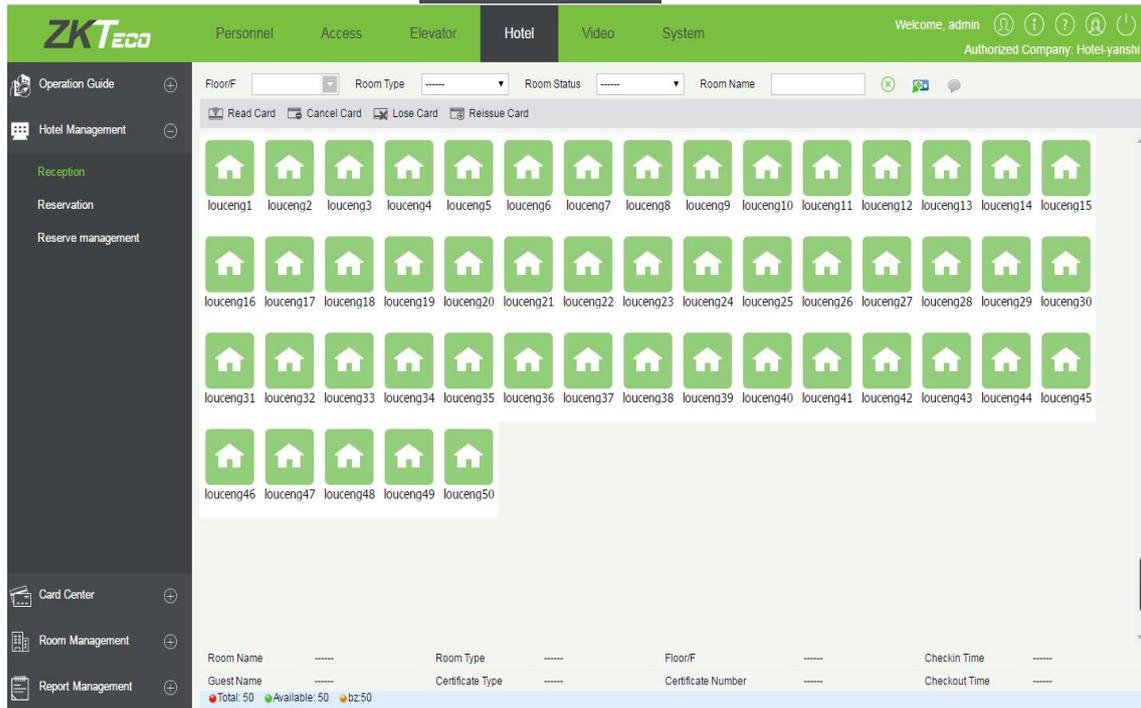
Hotel is a new module, which is specially designed to meet the needs of small-medium hotels. Customers can use this module together with other module like online Access Control/Elevator module in the software.

This module can support the following hotel locks :

LH1000, LH1600, LH2600, LH4000, LH5000, LH3000, LH3600

Mifare Card Encoder: CR60W

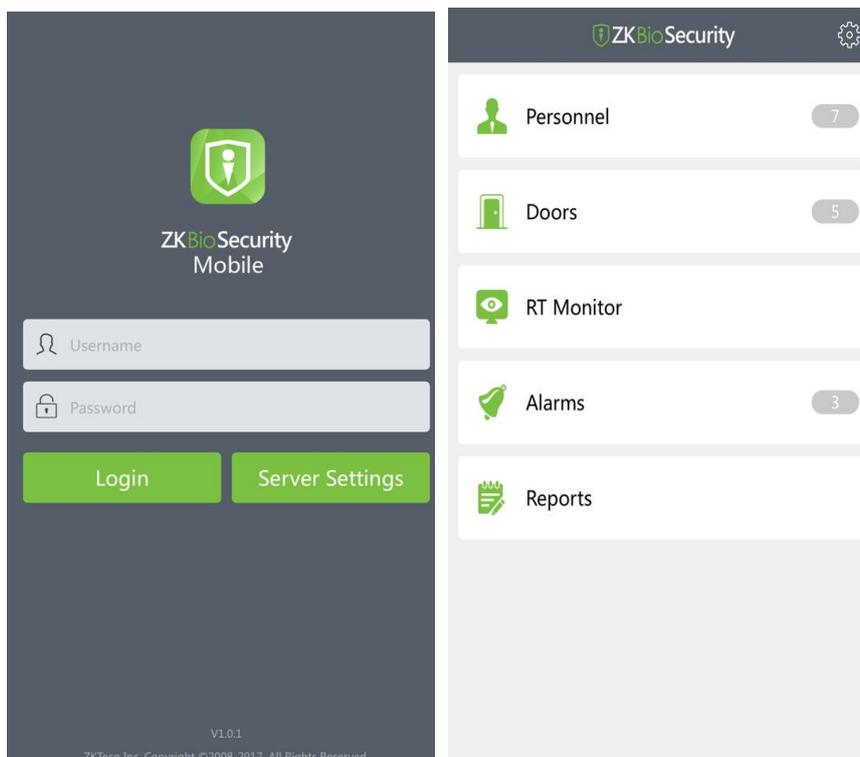
Mifare Card: S50/S70 (Record Card must be S70 Mifare Card)



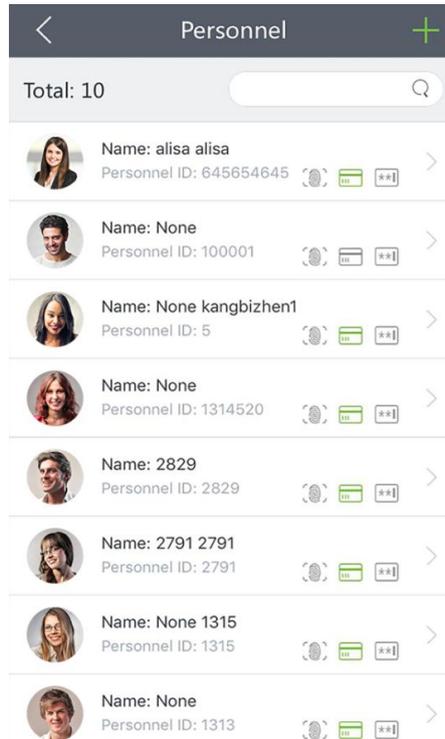
2.8 ZKBioSecurity Mobile App

ZKBioSecurity Mobile is the mobile client for ZKBioSecurity software, it is very convenient for users to add personnel, control the doors and view the reports etc., this App includes five modules:

Personnel, Doors, RT Monitor, Alarms, Reports



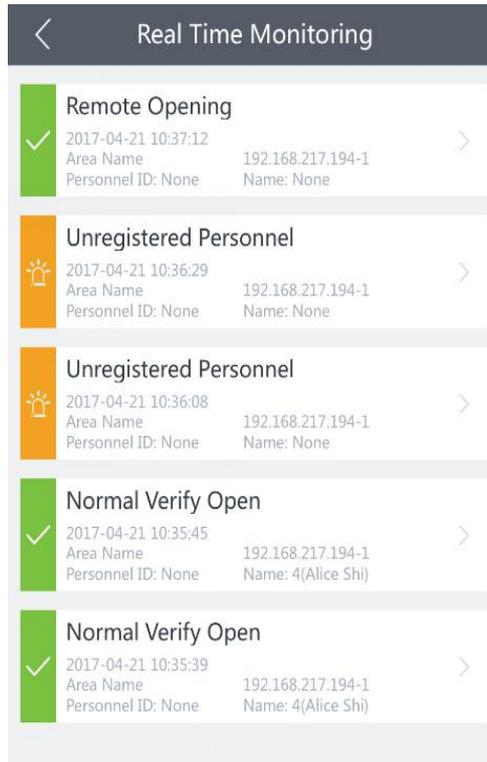
1. **Personnel:** Shows total number of people present on the server. This module can add personnel and edit personnel's information.



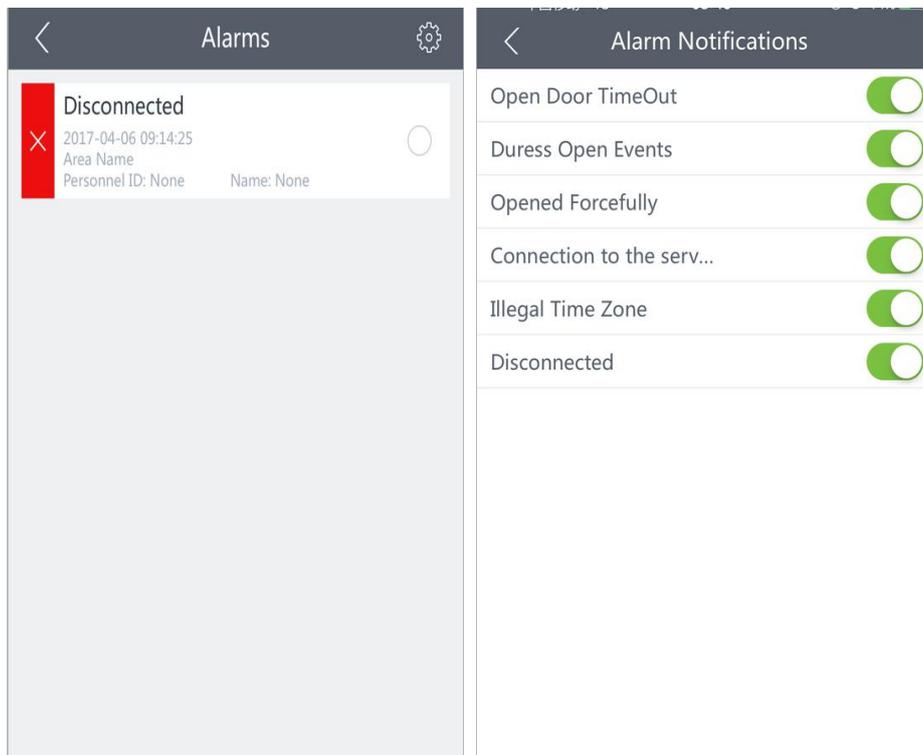
2. **Doors:** Monitors the doors in the server, and remotely opens or closes it. Viewing report of the doors, you can see all the door condition in the module.



3. **RT Monitor:** Real time monitoring function about the events in device.



4. **Alarms:** You can view the alarms and confirm it. Also you can configure which kinds of notifications you want to receive.





5. **Reports:** You can view and query report about events and operation logs in device.

Report Result	
✓ Remote Closing	>
2017-04-05	
Area Name	192.168.217.194-1
Personnel ID: None	Name: None
✓ Remote Opening	>
2017-04-05	
Area Name	192.168.217.194-1
Personnel ID: None	Name: None
✓ Remote Opening	>
2017-04-05	
Area Name	192.168.217.194-1
Personnel ID: None	Name: None
✓ Remote Closing	>
2017-04-05	
Area Name	192.168.217.195-1
Personnel ID: None	Name: None
✓ Cancel Alarm	>
2017-04-05	
Area Name	192.168.217.195-1
Personnel ID: None	Name: None
✓ Remote Opening	>
2017-04-05	
Area Name	192.168.217.194-1
Personnel ID: None	Name: None
✓ Remote Closing	>
2017-04-05	
Area Name	192.168.217.194-1
Personnel ID: None	Name: None

Note: The current version can only be used on the phone, cannot be used on the tablet. Tablet version will be released in the coming version.

Nick/Jet/Darcy

2017.8.15 ZKTeco

