



ZKBioSecurity 3.0.1.1-3.0.3.0-Change Log

1. Version Change

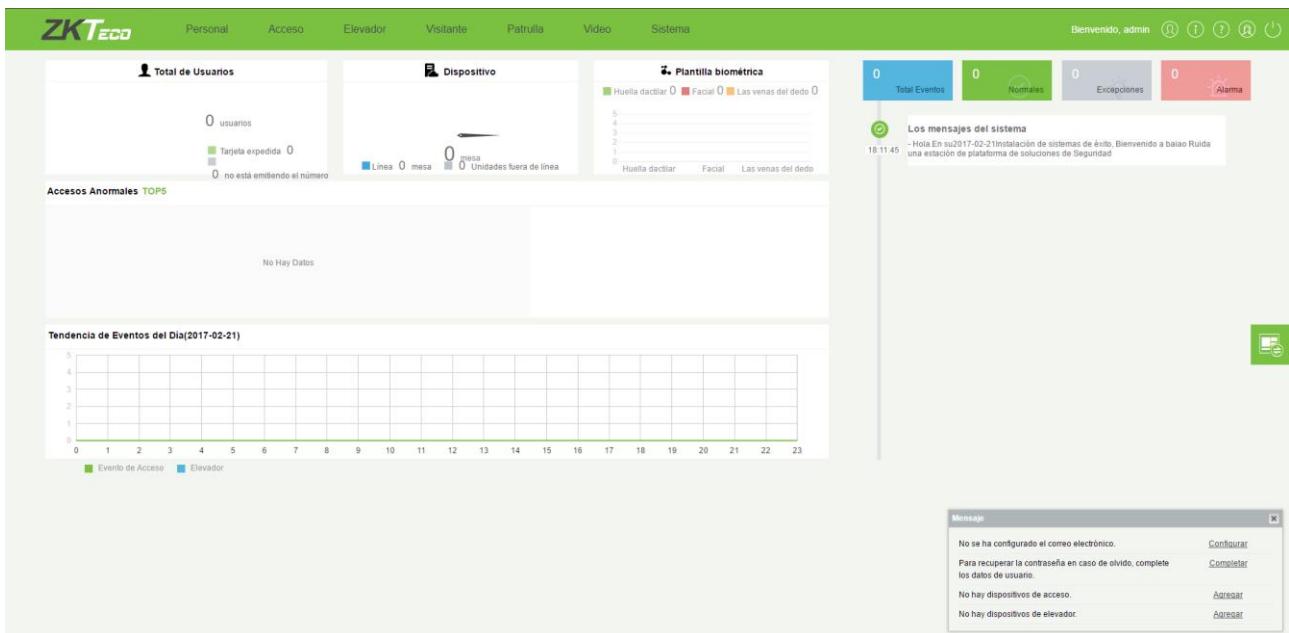
Previous Version: ZKBioSecurity 3.0.1.1_R

Current Version: ZKBioSecurity 3.0.3.0_R

2. Function Updates

System

1. Graph Statistics added in system dashboard.

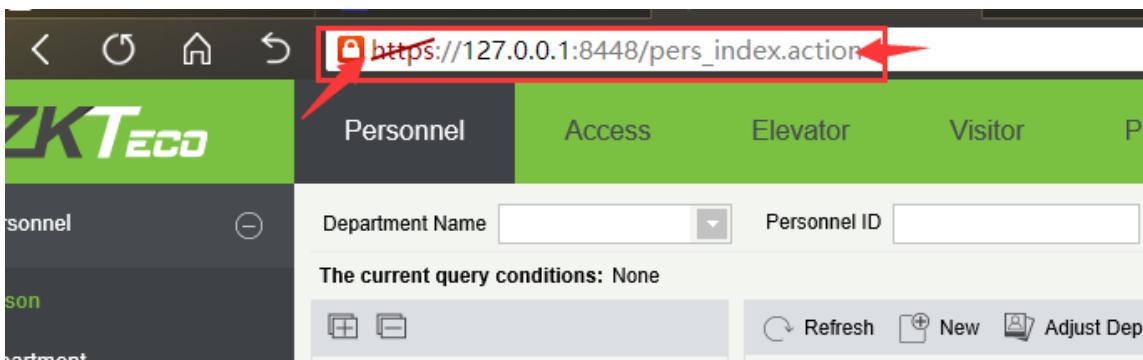


2. Multi-select of the types of event in search criteria is enabled in access control and elevator control module reports.

The screenshot shows the ZKTeco Access Control software interface. The top navigation bar includes tabs for Personnel, Access, Elevator, Visitor, Patrol, Video, and System. The Access tab is selected. On the left, a sidebar lists various reports: Access Device, Access Control, Advanced Functions, Reports, All Transactions, Events From Today, Last Known Position, All Exception Events, Access Rights By Door, Access Rights By Personnel, and Charts. The 'Reports' item is currently selected. The main content area displays a list of access events from September 28, 2016, to December 28, 2016. A modal dialog box is overlaid on the event list, titled 'The current query conditions: Time From: (2016-09-28 00:00:00) To: (2016-12-28 23:59:59) Event Description: (Device Started,Illegal...)'. The modal contains fields for 'Card Number', 'Event Description' (set to 'Illegal Time Zone'), 'Reader Name', 'Department Name', 'Verification Mode', 'Area Name', and 'Last Name'. The 'Event Description' field is highlighted with a red box. The event list table has columns for Date, Time, Reader ID, Reader Name, Event Description, Time Zone, Verification Mode, Area Name, and Last Name. Several events are listed, including multiple entries for 'Illegal Time Zone' and 'Normal Verify Open'.

3. Https protocol is now supported.

Https is now enabled in installation. If https is selected, users should visit the server with https using browser, Push controller access require https. Only InBio Pro support connection to server via https protocol. When server is installed as https, only hardware devices which support https are accepted.



4. Software is now connectible to LED screen. Information display on screen is now customizable.



Screenshot of the ZKTeco Management System interface showing the 'LED Device' configuration screen. A red box highlights the 'LED Device' entry in the list on the left. A red arrow points from the 'New' button in the toolbar to the configuration dialog box. The configuration dialog box is titled 'New' and contains the following fields:

Device Name*	LED
IP Address*	192.168.217.222
Port*	5200
Default Pass Code*	255.255.255.255
Screen Width*	96
Screen Height*	48
LED Title	clover
Block Number*	2
Show Time	<input checked="" type="checkbox"/>
Automatic Distribute Data	<input checked="" type="checkbox"/>
Block Layout	

Buttons at the bottom: Save and New, OK, Cancel.

Screenshot of the ZKTeco Management System interface showing the 'Text' configuration screen. A red box highlights the 'Text' entry in the list on the left. A red arrow points from the 'New' button in the toolbar to the configuration dialog box. The configuration dialog box is titled 'New' and contains the following fields:

Name*	
Data type*	Text
Text*	
Device block*	

Buttons at the bottom: Save and New, OK, Cancel.

Firmware Transformation

1. Newly added functions include: InBio Pro Series. Firmware version: *****, all controllers support PUSH Protocol.

Personnel Module

1. Personnel Module Department List optimized, faster display of department lists, supports up to 2,000 departments.





Department Number: Department Name: ×

The current query conditions: None

Refresh New Delete Export Import

	Department Number	Department Name	Parent Department Number	Parent Department	Created Date	Operations
<input type="checkbox"/>	51		1	General	2016-12-28 11:59:22	Edit Delete
<input type="checkbox"/>	51	Market Department	1	General	2016-12-26 11:33:21	Edit Delete
<input type="checkbox"/>	2	Market Department	1	General	2016-12-26 11:33:21	Edit Delete
<input type="checkbox"/>	3	Development Department	1	General	2016-12-26 11:33:21	Edit Delete
<input type="checkbox"/>	4	Financial Department	1	General	2016-12-26 11:33:21	Edit Delete
<input type="checkbox"/>	1	General			2016-12-26 11:33:21	Edit Delete

2. Supports multi cards for one person (only when using the above mentioned firmware).

Personnel ID Setting

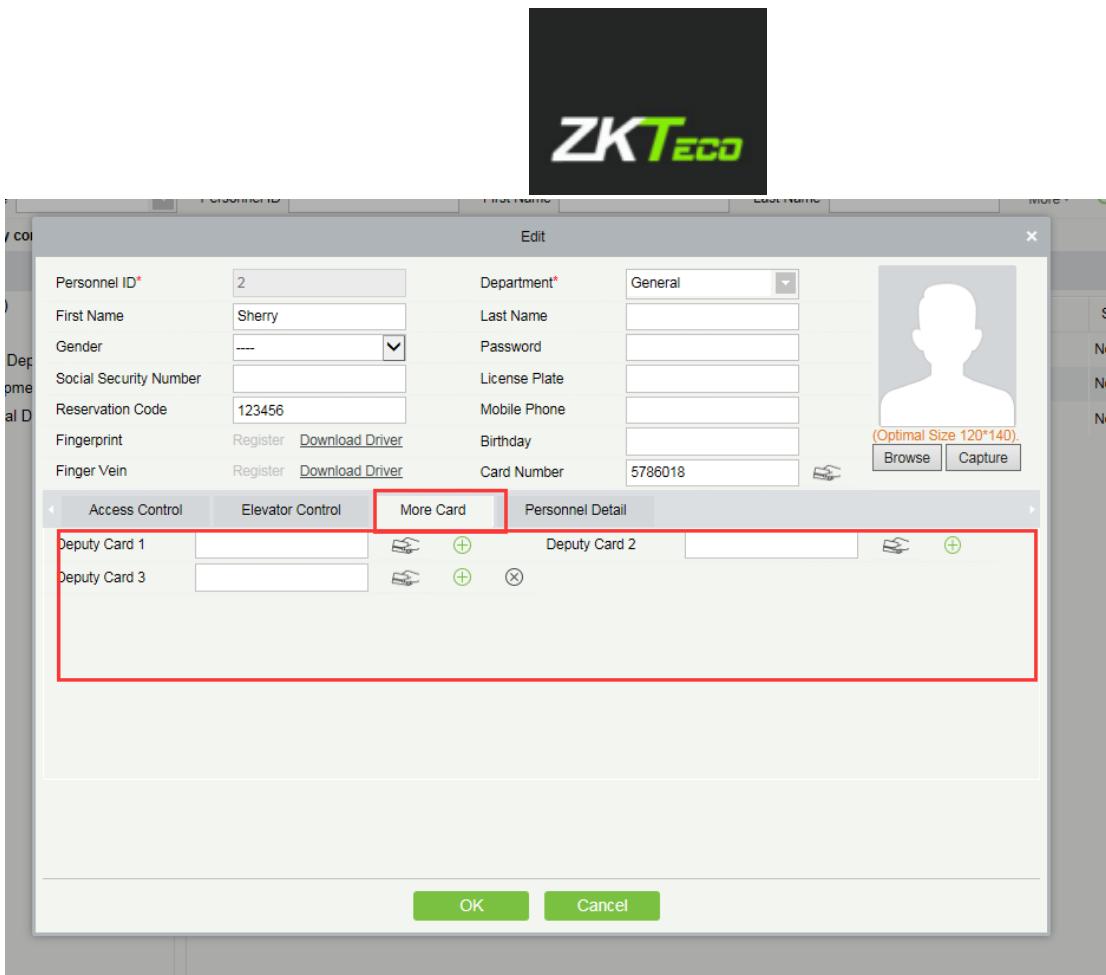
The Maximum Length: Support Letters: Yes No

Card decimal settings

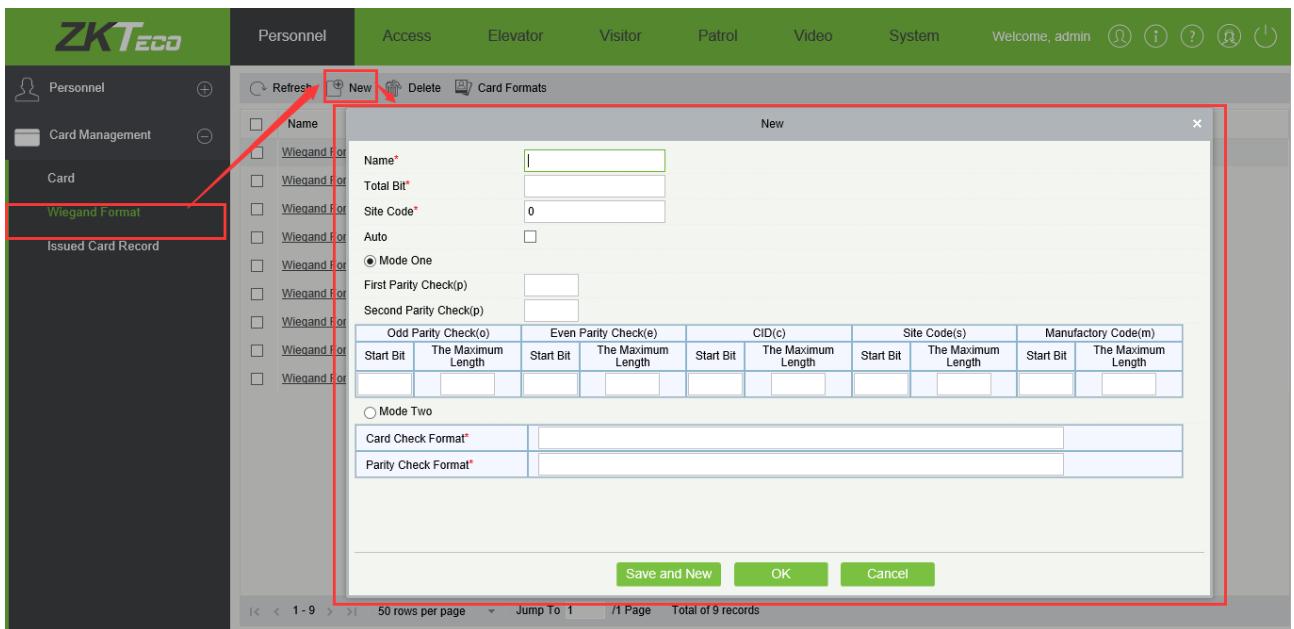
Card format display: Decimal Hexadecimal

Cards Setting

Support Cards: Yes No



3. Flexible format supported and longer card number (only when using the above mentioned firmware).



4. The supported original card number is expanded from 32 bits to 66 bits, and is customizable to support up to 128 bits with better support of HID and Desfire cards.

The new controller firmware supports site code independent setting. Customers may choose whether site code

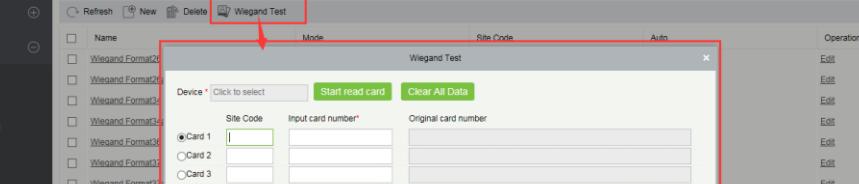


needs to be verified in firmware.

Edit

Name*	Wiegand Format26								
Total Bit*	26								
Site Code*	0								
Auto	<input checked="" type="checkbox"/>								
<input checked="" type="radio"/> Mode One									
First Parity Check(p)	1								
Second Parity Check(p)	26								
Odd Parity Check(o)		Even Parity Check(e)		CID(c)		Site Code(s)		Manufactory Code(m)	
Start Bit	The Maximum Length	Start Bit	The Maximum Length	Start Bit	The Maximum Length	Start Bit	The Maximum Length	Start Bit	The Maximum Length
14	13	1	13	2	24	0	0	0	0
<input type="radio"/> Mode Two									
Card Check Format*	pccccccccccccccccccccccp								
Parity Check Format*	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee								

Support Wiegand card format testing function, customers may analyze cards with abnormality.



The screenshot shows the ZKTeco software interface with a green header bar. The header includes the ZKTeco logo, a Personnel button, and menu items: Access, Elevator, Visitor, Patrol, Video, System, and a Welcome, admin section with user icons. On the left, a sidebar lists: Personnel, Card Management, Card, Wiegand Format, and Issued Card Record. The main content area shows a table with columns: Name, Mode, Site Code, and Auto. A red box highlights the 'Wiegand Test' button in the toolbar above the table. A red-bordered dialog box is open, titled 'Wiegand Test'. It contains fields for 'Device * Click to select' (with 'Card 1' selected), 'Start read card' (button), 'Clear All Data' (button), 'Site Code' (input field with '1'), 'Input card number*' (input field), 'Original card number' (input field), 'Recommend format' (button), 'Calculate site code' (button), 'Recommend card format' (input field), 'Recommend parity format' (input field), and a 'Matters needing attention' section with three warning icons. At the bottom are 'OK' and 'Cancel' buttons.

Side code has been moved from personnel edit to card format.



Personnel ID:

First Name:

Last Name:

More ▾

New

Personnel ID*

First Name

Gender

Social Security Number

Reservation Code 123456

Fingerprint

Finger Vein

Department* General

Last Name

Password

License Plate

Mobile Phone

Birthday

Card Number

Personnel Detail

Access Control Setting

Levels Settings Master

Superuser No

Device Operation Role Ordinary User

Delay Passage

Disabled

Set Valid Time

Save and New **OK** **Cancel**

Both decimal and hexadecimal format display are enabled.

Personnel

Person

Department

Custom Attributes

Parameters

Personnel ID Setting

The Maximum Length: 9

Support Letters: Yes No

Card decimal settings

Card format display: Decimal Hexadecimal

Cards Setting

Support Cards: Yes No

4. Supports connection with SLK20R anti-spoof fingerprint reader.

5. Supports registration of finger vein module via finger vein reader, and synchronization of standalone device and module.



Personnel ID*

First Name

Gender

Social Security Number

Reservation Code

Fingerprint Register [Download Driver](#)

Finger Vein Register [Download Driver](#)

Department*

Last Name

Password

License Plate

Mobile Phone

Birthday

Card Number

Personnel Detail

Superuser

Device Operation Role

Delay Passage

Disabled

Set Valid Time

Access Control Setting

Levels Settings Master

[Add](#) [Check All](#) [Clear All](#)

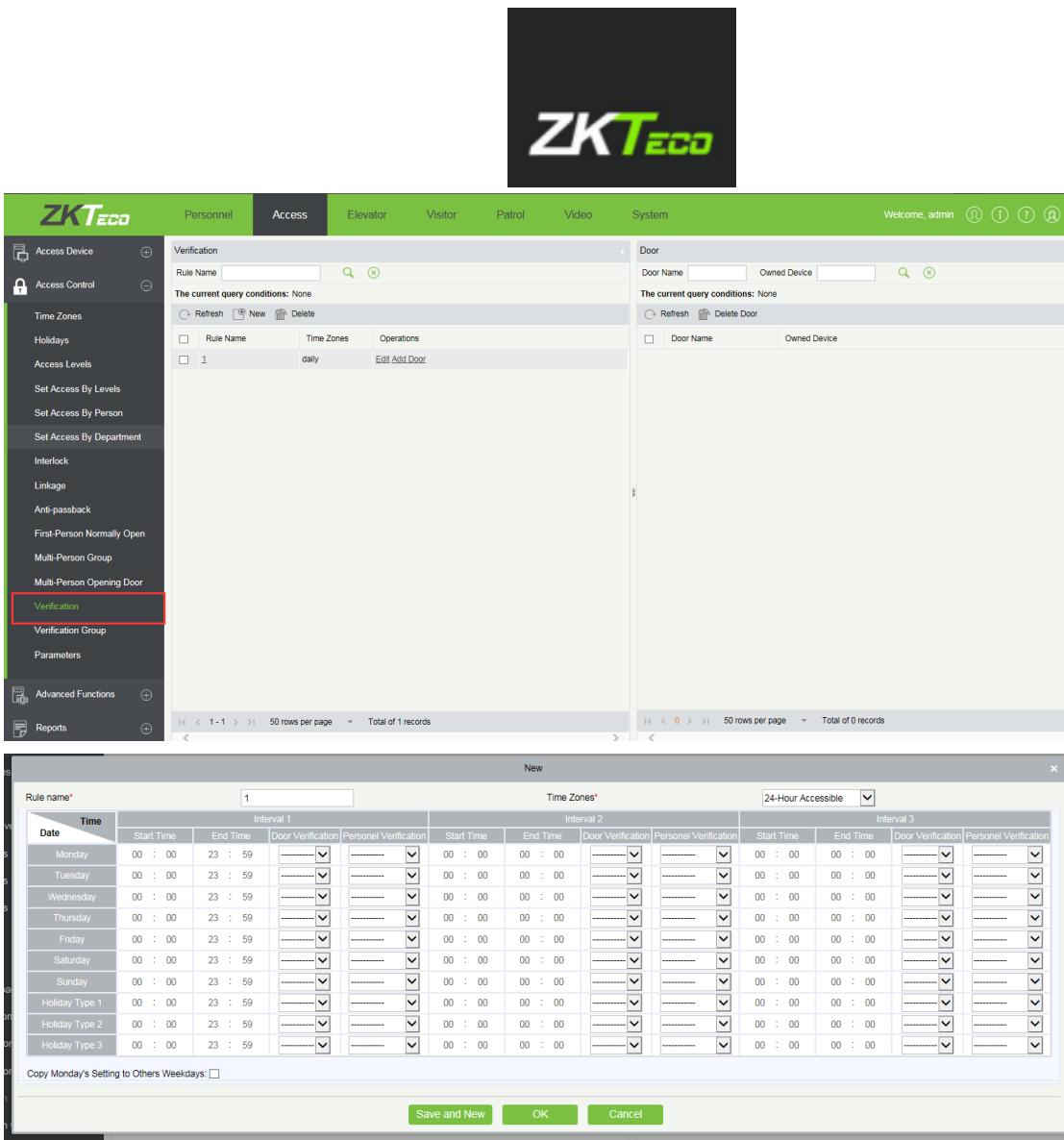
Elevator Control

Save and New **OK** **Cancel**

The screenshot shows a user interface for adding a new personnel record. The 'Fingerprint' and 'Finger Vein' sections are highlighted with a red box. The 'Personnel Detail' section includes dropdowns for department, superuser status, and device operation role, along with checkboxes for delay passage, disabled status, and set valid time. The 'Access Control Setting' and 'Elevator Control' tabs are also visible.

Access Control Module

1. Supports flexible verification mode setting for different persons, time and durations (There is a slight difference between RS485 and Wiegand readers, please refer to user manual) (only when using the above mentioned firmware).



The image shows the ZKTeco Access Control software interface. The top navigation bar includes tabs for Personnel, Access (selected), Elevator, Visitor, Patrol, Video, and System. A welcome message for 'admin' is on the right. The left sidebar contains a tree view with categories like Access Device, Access Control, Time Zones, Holidays, Access Levels, Set Access By Levels, Set Access By Person, Set Access By Department, Interlock, Linkage, Anti-passback, First-Person Normally Open, Multi-Person Group, Multi-Person Opening Door, Verification (which is highlighted with a red box), Verification Group, Parameters, Advanced Functions, and Reports. The main content area has two sections: 'Verification' and 'Door'. The 'Verification' section shows a table with one record (Rule Name: 1, Time Zones: daily, Operations: Edit, Add Door). The 'Door' section shows a table with zero records. Both sections have search and refresh buttons. At the bottom, there are pagination controls for 50 rows per page and a total of 1 record for verification.

Verification

Rule Name	Time Zones	Operations
1	daily	Edit Add Door

Door

Door Name	Owned Device

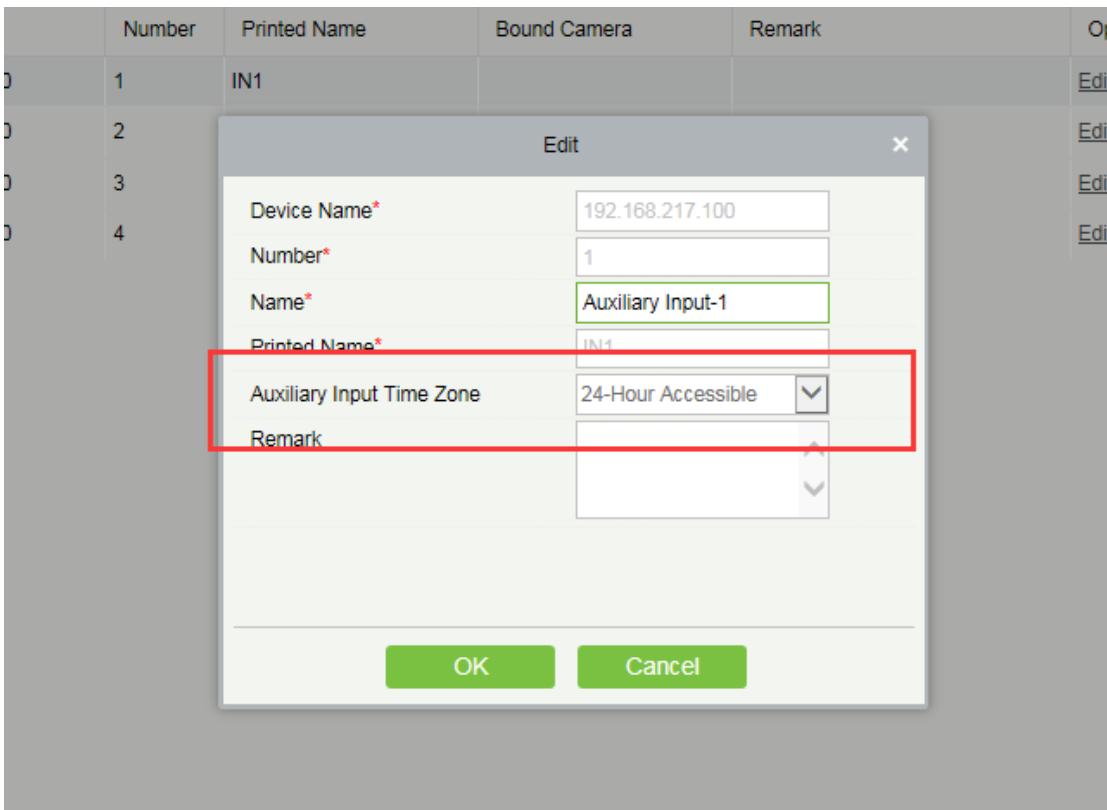
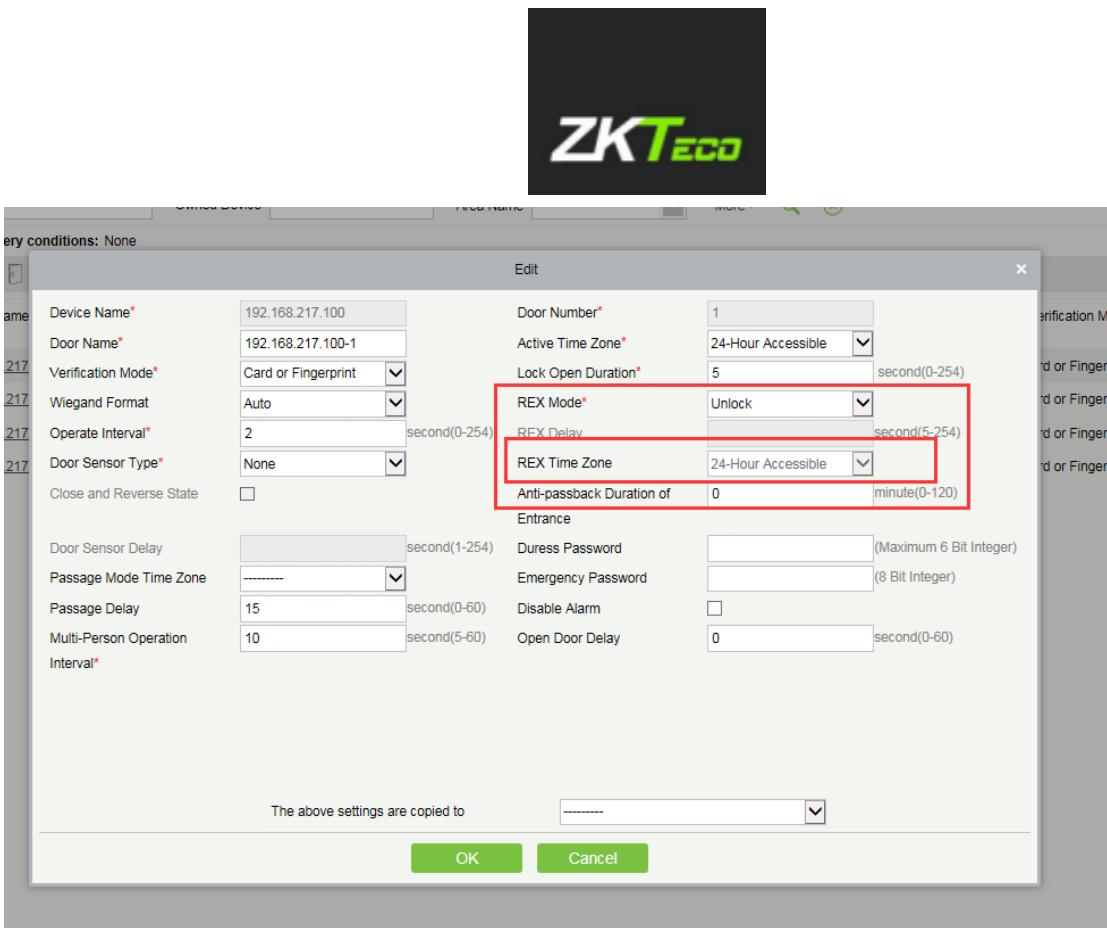
Rule name* Time Zones*

Interval 1 Interval 2 Interval 3

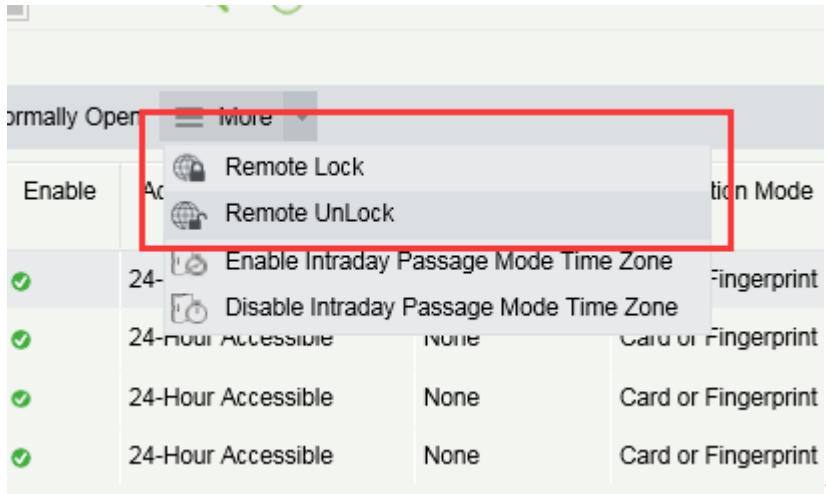
Date	Start Time	End Time	Door Verification	Personnel Verification	Start Time	End Time	Door Verification	Personnel Verification	Start Time	End Time	Door Verification	Personnel Verification
Monday	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tuesday	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Wednesday	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Thursday	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Friday	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Saturday	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sunday	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Holiday Type 1	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Holiday Type 2	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Holiday Type 3	00 : 00	23 : 59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00 : 00	00 : 00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Copy Monday's Setting to Others Weekdays

2. Exit button and auxiliary input can be controlled by time durations, and can be set as “enabled” or “disabled” in the time duration (only when using the above mentioned firmware).

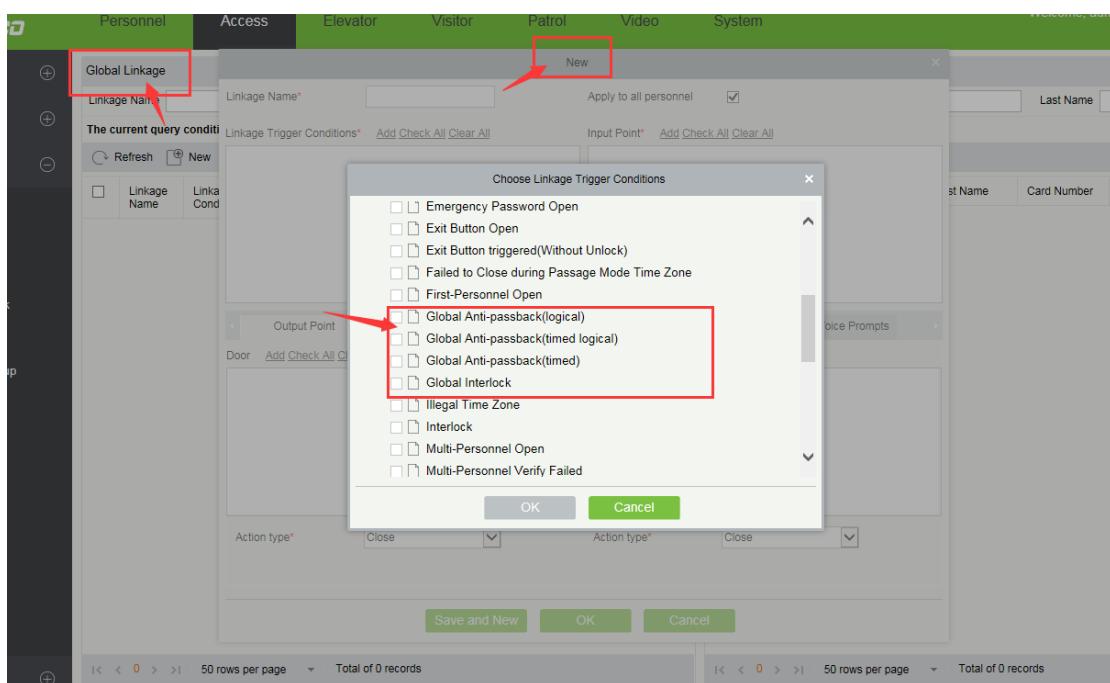


3. Lock and unlock functions are added. No verification and access is allowed after lock function is enabled.



4. Repaired bugs regarding the loss of fingerprint data during the re-registration of a certain fingerprint of a person.
5. Only superuser is allowed to switch [Normally Opening] and [Normally Closing] functions with consecutive 5 swiping of card (only when using the above mentioned firmware).

Global anti-passback and Global Interlock functions are added in linkage conditions.



6. Added "device" in the search criteria when checking reports by doors.

Access Rights By Door

Door Name	Door Number
192.168.217.100-1	1
192.168.217.100-2	2
192.168.217.100-3	3
192.168.217.100-4	4

Browse 192.168.217.100-1(1) Opening Personnel

Personnel ID	First Name	Last Name	Department
1	Clover		General
2	Sherry		General
3	Nancy		General

7. Added access control zone and zone name in the last access location in reports.

Personnel ID	First Name	Last Name	Card Number	Time	Department Name	Device Name	Event Description	Reader Name	Verification Mode	Area Name	Zone
2	Sherry		5786018	2016-12-28 11:17:53	General	192.168.217.100 30-3	Illegal Time Zone	192.168.217.100- Only Card		Area Name	Area Name
1	Clover		9913493	2016-12-28 11:17:47	General	192.168.217.100 30-3	Normal Verify Open	192.168.217.100- Only Card		Area Name	Area Name
3	Nancy		9505930	2016-12-28 11:17:45	General	192.168.217.100 30-3	Normal Verify Open	192.168.217.100- Only Card		Area Name	Area Name

8. Support batch Access control setting with no more one-by-one editing needed.

Edit Levels For Personnel

Personnel ID	First Name	Last Name	Card Number	Department Name	Operations
1	Clover		9913493	General	Add to Levels
2	Sherry		5786018	General	Add to Levels
3	Nancy		9505930	General	Add to Levels

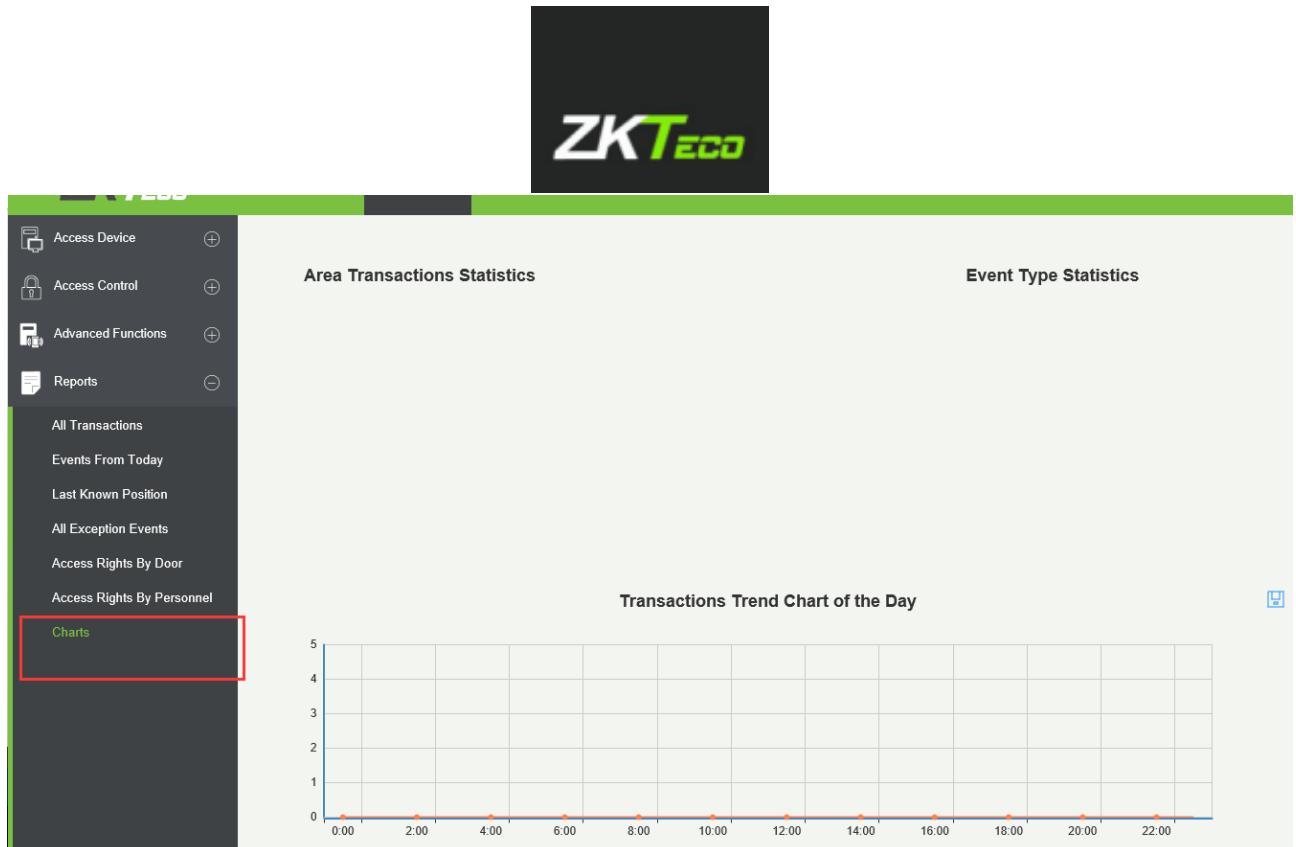
Browse Personnel 3(Nancy) From Levels

Level Name	Time Zone

Access Control

Supuser	No
Device Operation Role	Ordinary User
Delay Passage	<input type="checkbox"/>
Disabled	<input type="checkbox"/>
Set Valid Time	<input type="checkbox"/>

9. Graph reports added in the access control module to see the statistics more clearly.



Elevator Control Module

1. Support batch elevator control parameter setting for personnel, no need one-by-one editing.

Visitor Module

1. Nationalities can be chosen when registering.



Entry Registration

Host/Visited *	Enter the Query Condi	Visit Department *	Visit Reason*
Certificate Type*	ID	Certificate Number*	Entrance*
First Name*		Last Name	Gender
Company		Mobile Phone	License Plate
Card Number		Visitor Count*	Carrying Goods
Nationality	<input type="text"/>		
Visitor Level	<input type="text"/>	Start Time	2016-12-30 16:08:49
		End Time	2016-12-30 23:59:59
<input checked="" type="radio"/> Portrait <input type="radio"/> Certificate Photo			
			Captured Photo <input type="button" value="Capture"/>
<input type="button" value="Save and New"/> <input type="button" value="OK"/> <input type="button" value="Cancel"/>			

50 rows per page Jump to 1 /0 Page Total of 0 records

2. Password verification mode is added in visitor information interface.

Basic Management

Open the Visitor List Function

Automatic Sign Out [Set Automatic Sign Out Place](#)

⚠ Visitors exiting will be automatically checked out (performed once every half hour).

Sign Out Expired Visitors

⚠ Over the valid period, but not manually signed off by the visitors, will automatically execute the check out operation (every minutes).

Parameters

Without Permission

Whether to Issue Card

Fingerprint Registration is Required

Password is Required

Permission

Safe Mode: the registration page is closed off the camera, each registration should be allowed

Fast Mode: after allowing a camera, always open the camera, when the browser is closed

Select the Required

Host/Visited

Visit Department

The Visitor List the Recipient Mailbox

The Visitor List Mailing Time :



Entry Registration

Host Visited *	Enter the Query Condition	Visit Department *	Visit Reason *
Certificate Type *	ID	Certificate Number *	Entrance *
First Name *		Last Name	Gender
Company		Mobile Phone	License Plate
Password		Visitor Count *	Carrying Goods
Nationality		1	
Visitor Level		Start Time	2016-12-30 16:11:02
		End Time	2016-12-30 23:59:59

Portrait Certificate Photo



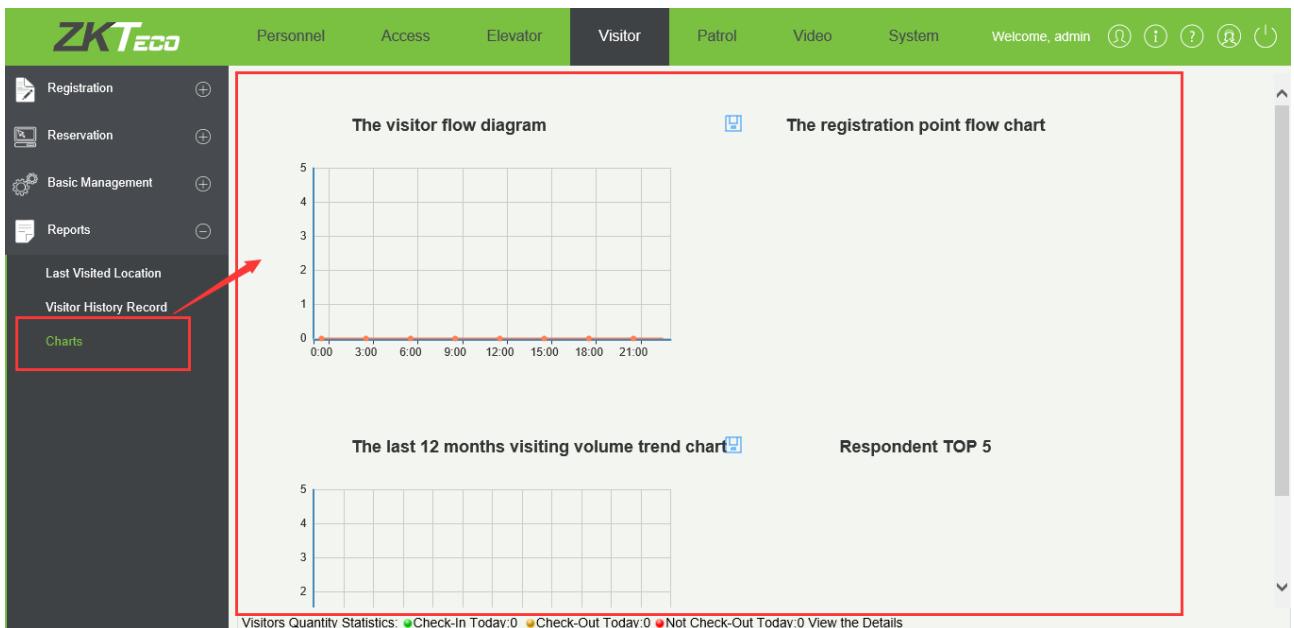
Captured Photo



Capture

Save and New OK Cancel

3. Graph reports added in the visitor module to see the statistics more clearly.



4. Timed send the daily visitor report to the specified people.

ZKTeco Personnel Access Elevator **Visitor** Patrol Video System

Parameters

Exit Registration

Open the Visitor Exit Function

Automatic Sign Out [Set Automatic Sign Out Place](#)

⚠ Visitors exited from the set reader, will be automatically checked out (performed every half hour).

Sign Out Expired Visitors

⚠ The invalid Visitors that having not been checked out manually, will automatically be checked out (performed every 30 minutes).

Permission

Without Permission

Whether to Issue Card

Fingerprint Registration is Required

Password is Required

Camera Mode

Safe Mode: the registration page is closed off the camera, each registration should be allowed

Fast Mode: after allowing a camera, always open the camera, when the browser is closed

Select the Required Field

Host/Visited

Visit Department

The Visitor List the Recipient Mailbox

Send the visitors information during the day by email. Sending Time: 15 : 30

OK

Guard Patrol Module

1. Guard Patrol Module is new added. Users may set access control readers as checkpoints. Patrol mission is finished upon successful verifications. Users may choose to control locks or just deploy locks as checkpoints.

ZKTeco Personnel Access Elevator **Visitor** **Patrol** Video System

Welcome, admin

Operation Wizard

Route Monitoring

Basic Management

Patrol Management

Route Monitoring



以下是双语版，供大家参考：

系统 System

1、首页工作面板 (dashboard) 新增图表统计；

Graph Statistics added in Dashboard in front page

2、门禁、梯控模块中的报表，搜索条件中的事件类型由单选改为可以多选；

Multi-select of the types of event in search criteria is enabled in access control and elevator control module reports

3、新增支持 https 协议。安装包安装时可以选择 HTTPS，选择后，浏览器访问服务，PUSH 控制器访问服务器都需要使用 HTTPS。注意：当前设备只有 InBio Pro 支持通过 HTTPS 协议接入服务器，如果服务器安装为 HTTPS，则只能接入支持 HTTPS 的硬件设备。

Https protocol is now supported. Https is now enabled in installation. If https is selected, browser access, Push controller access require https. Only InBio Pro support connection to server via https protocol. When server is installed as https, only hardware devices which support https are accepted.

4、软件现在可接入 LED 屏，显示屏上面可以自定义显示用户需要的信息；

Software is now connectible to LED screen. Information display on screen is now customizable.

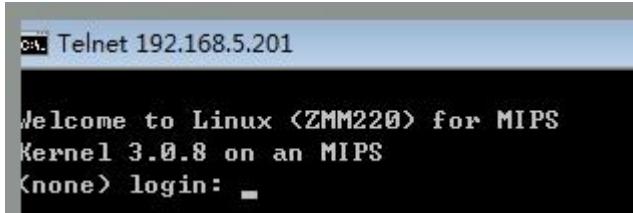
固件改造 Firmware Transformation :

1、此次配合软件完善新功能的控制器包含：InBio Pro Series. 固件版本号为：*****，均为支持 PUSH 协议的控制器。

Newly added functions only support the InBio Pro series controller on ZMM200 platform (kernel ZMM220) with the upgraded firmware. Old ZEM560 platform controller cannot be upgraded to the new firmware..

Note: How to verify whether the platform is zmm200?

Win+R open the 'Run' window



Personnel Module

- 1、 Personnel Module Department List optimized, faster display of department lists, supports up to 2,000 departments.
- 2、 Supports multi cards for one person (only when using the above mentioned firmware).
- 3、 Flexible format supported and longer card number (only when using the above mentioned firmware).
 - (1) The supported original card number is expanded from 32 bits to 66 bits, and is customizable to support up to 128bits with better support of HID and Desfire cards.
 - (2) The new controller firmware supports site code independent setting. Customers may choose whether site code needs to be verified in firmware.
 - (3) Support Wiegand card format testing function, customers may analyze cards with abnormality.
 - (4) Side code has been removed from personnel edit to card format.
 - (5) Both decimal and hexadecimal format display are enabled.
- 4、 Supports connection with SLK20R anti-spoof fingerprint reader.
- 5、 Supports registration of finger vein module via finger vein reader FVS1000, and synchronization of standalone device and module.

Access Control Module



- 1、 Supports flexible verification mode setting for different persons, time and durations (There is a slight difference between RS485 and Wiegand readers, please refer to user manual) (only when using the above mentioned firmware).
- 2、 Exit button and auxiliary input can be controlled by time durations, and can be set as “enabled” or “disabled” in the time duration (only when using the above mentioned firmware).
3. Lock and unlock functions are added. No verification and access is allowed after lock function is enabled.
4. Repaired bugs regarding the loss of fingerprint data during the re-registration of a certain fingerprint of a person.
5. Only superusers are allowed to switch always-open and always closed functions with consecutive 5 swiping of card (only when using the above mentioned firmware).
- 6、 Global anti-passback and interlock functions are added in linkage conditions.
- 7、 added “device” in the search criteria when checking reports by doors.
- 8、 Added access control zone and zone name in the last access location in reports.
- 9、 Support batch access control parameter setting for personnel, no need one-by-one editing.

Elevator Control Module

- 1、 Support batch elevator control parameter setting for personnel, no need one-by-one editing.

Visitor Module

- 1、 Nationalities can be chosen when registration.
- 2、 Password verification mode is added in visitor information interface.
- 3、 Timed send the daily visitor report to the specified people.



Guard Patrol Module

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2017.1.23