



# ZKBioSecurity 3.0.1.1-3.0.3.0-Change Log

## 1. Version Change

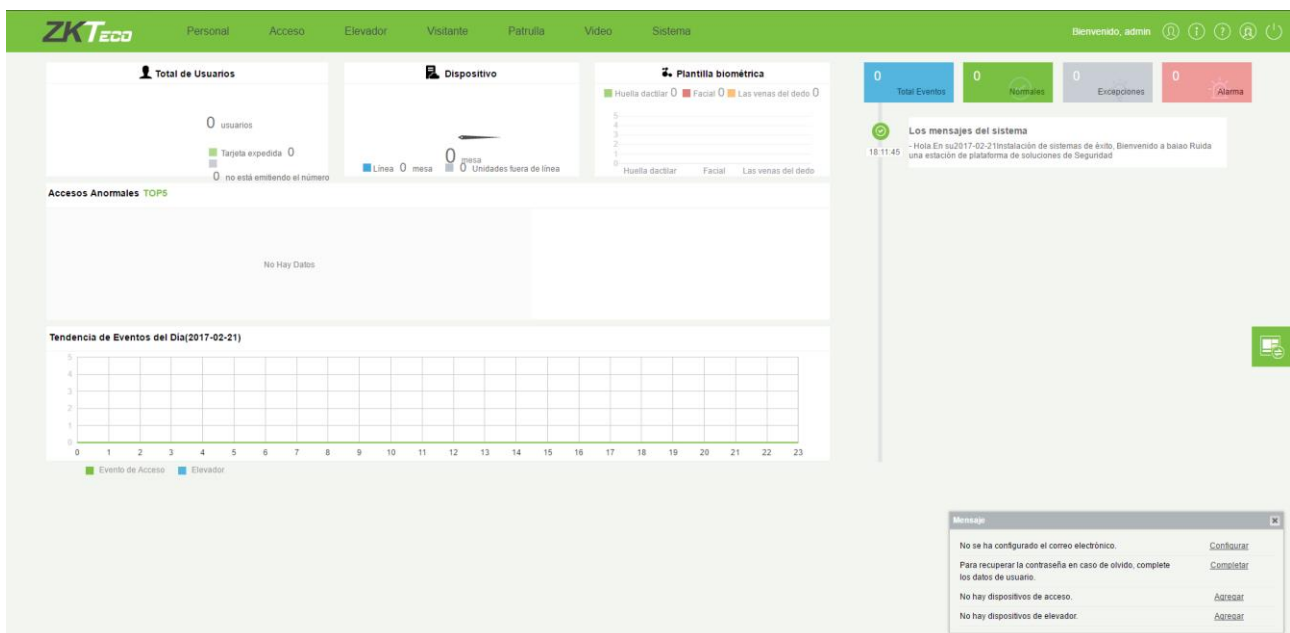
Previous Version: ZKBioSecurity 3.0.1.1\_R

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.



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

Access Device Access Control Advanced Functions Reports

Time From: 2016-09-28 00:00:00 To: 2016-12-28 23:59:59 Personnel ID: Device Name:

The current query conditions: Time From: (2016-09-28 00:00:00) To: (2016-12-28 23:59:59) Event Description: (Device Started, Illeg...)

Card Number Department Name Verification Mode  
Event Description d, Illegal Time Zone Event Point Area Name  
Reader Name OK Last Name

☒ Device Started  
☒ Illegal Time Zone  
☐ Normal Verify Open  
☐ Operation Interval too Short

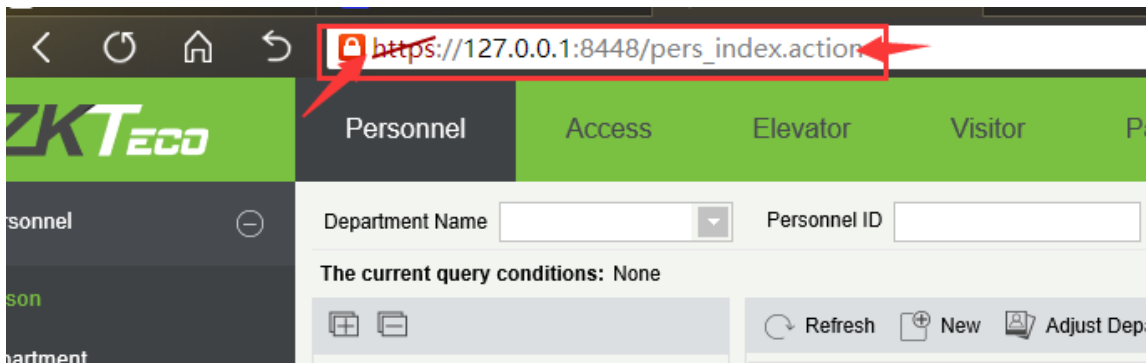
Select All

Time	Card Number	Event Description	Area Name	Personnel Name
2016-12-28 11:17:53	192.168.217.100	Illegal Time Zone	2	Sherry
2016-12-28 11:17:47	192.168.217.100	Illegal Time Zone	1	Clover
2016-12-28 11:17:45	192.168.217.100	Illegal Time Zone	3	Nancy
2016-12-28 11:17:42	192.168.217.100	Illegal Time Zone	2	Sherry
2016-12-28 11:17:40	192.168.217.100	Illegal Time Zone	3	Nancy
2016-12-28 11:17:36	192.168.217.100	Illegal Time Zone	1	Clover
2016-12-28 11:17:32	192.168.217.100	Illegal Time Zone	1	Clover
2016-12-28 11:17:15	192.168.217.100	Operation Interval too Short		
2016-12-28 11:17:14	192.168.217.100	Illegal Time Zone	2	Sherry
2016-12-28 11:17:10	192.168.217.100	Illegal Time Zone	2	Sherry
2016-12-28 11:16:06	192.168.217.100	Illegal Time Zone	2	Sherry
2016-12-28 11:16:03	192.168.217.100	Illegal Time Zone	2	Sherry
2016-12-28 11:15:59	192.168.217.100	Normal Verify Open	3	Nancy
2016-12-28 11:15:55	192.168.217.100	Normal Verify Open	3	Nancy

3. Https protocol is now supported.

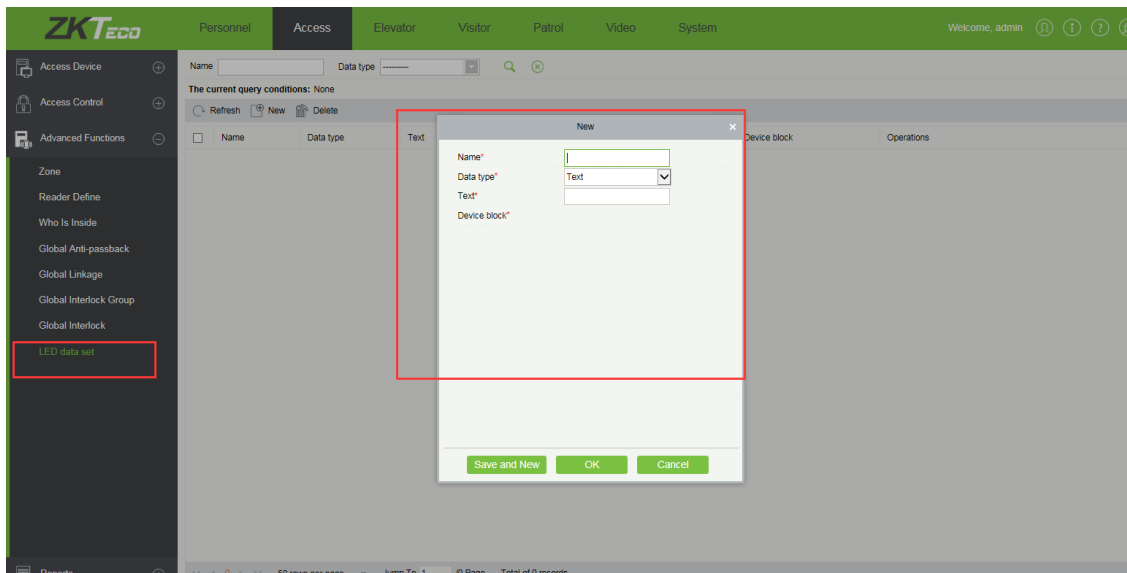
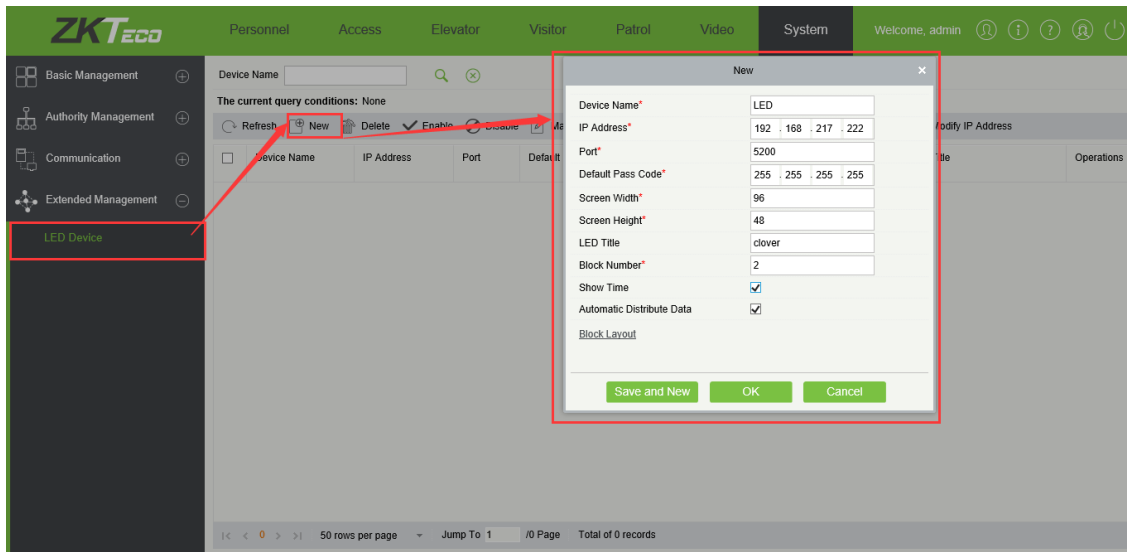
Https is now enabled in installation. If https is selected, users should visit the server with https using browser, Push controller access require https. Only InBio Pro support connection to server via https protocol. When server is installed as https, only hardware devices which support https are accepted.

**ZKTeco**



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

zkteco.com



## 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

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

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

The Maximum Length:

Support Letters: ☐ Yes ☒ No

Card format display: ☒ Decimal ☐ Hexadecimal

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 ☒

☒ 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

☐ Mode Two

Card Check Format\* pcccccccccccccccccccccp

Parity Check Format\* eeeeeeeeeeeee000000000000

OK Cancel

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

**ZKTeco** Personnel Access Elevator Visitor Patrol Video System Welcome, admin

Personnel Card Management Card Wiegand Format Issued Card Record

Wiegand Test

Device \* Click to select Start read card Clear All Data

Site Code Input card number\* Original card number

☒ Card 1 ☐ Card 2 ☐ Card 3

Recommend format Calculate site code

Recommend card format

Recommend parity format

Matters needing attention

⚠ When reading the card, each brush a card, please select the left card option.

⚠ Calculate site code function, the location of the column does not need to enter the code, and the function is that in addition to the card number, the remaining number of bits are as location code.

⚠ After the calculating of site code, will take the initiative to re press the new location code to recommend card format.

OK Cancel

50 rows per page Jump To: 1 / 1 Page Total of 9 records

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





Personnel ID\* [ ] Department\* General [v]  
First Name [ ] Last Name [ ]  
Gender [v] Password [ ]  
Social Security Number [ ] License Plate [ ]  
Reservation Code 123456 Mobile Phone [ ]  
Fingerprint Register Download Driver Birthday [ ]  
Finger Vein Register Download Driver Card Number [ ] (Optimal Size 120\*140)  
Browse Capture  
Access Control Setting Elevator Control Personnel Detail  
Levels Settings  
[x] Master Add Check All Clear All  
Superuser No [v]  
Device Operation Role Ordinary User [v]  
Delay Passage [ ]  
Disabled [ ]  
Set Valid Time [ ]  
Save and New OK Cancel

Both decimal and hexadecimal format display are enabled.

Personnel [v]  
Person  
Department  
Custom Attributes  
Parameters  
Personnel ID Setting  
The Maximum Length: 9  
Support Letters: [ ] Yes [x] No  
Card decimal settings  
Card format display: [x] Decimal [ ] Hexadecimal  
Cards Setting  
Support Cards: [ ] Yes [x] 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.







The screenshot shows a 'New' user creation window. The 'Finger Vein' section is highlighted with a red box, containing 'Register' and 'Download Driver' links. The 'Personnel Detail' section includes the following fields:

Field	Value
Personnel ID*	
First Name	
Gender	----
Social Security Number	
Reservation Code	123456
Department*	General
Last Name	
Password	
License Plate	
Mobile Phone	
Birthday	
Card Number	
Superuser	No
Device Operation Role	Ordinary User
Delay Passage	<input type="checkbox"/>
Disabled	<input type="checkbox"/>
Set Valid Time	<input type="checkbox"/>

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

## 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 screenshot displays the ZKTeco Access Control software interface. The top navigation bar includes tabs for Personnel, Access, Elevator, Visitor, Patrol, Video, and System. The left sidebar lists various configuration options, with 'Verification' highlighted in red. The main area is divided into two panels: 'Verification' on the left and 'Door' on the right. The 'Verification' panel shows a table with columns for Rule Name, Time Zones, and Operations. A single rule named '1' is listed with 'daily' time zones and an 'Add Door' link. The 'Door' panel shows a table with columns for Door Name and Owned Device. Below the tables, there are pagination controls indicating 50 rows per page and a total of 1 record for Verification, and 0 rows per page and a total of 0 records for Door.

**Verification Rule Configuration Details:**

Rule Name	Time Zones	Operations
1	daily	<a href="#">Add Door</a>

**Door Configuration Details:**

Door Name	Owned Device
-----------	--------------

**New Rule Configuration Window:**

Rule name: 1

Time Zones: 24-Hour Accessible

Date	Time	Interval 1		Interval 2		Interval 3	
		Start Time	End Time	Start Time	End Time	Start Time	End Time
Monday	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	
Tuesday	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	
Wednesday	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	
Thursday	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	
Friday	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	
Saturday	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	
Sunday	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	
Holiday Type 1	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	
Holiday Type 2	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	
Holiday Type 3	00 : 00	23 : 59	00 : 00	00 : 00	00 : 00	00 : 00	

Copy Monday's Setting to Others Weekdays: ☐

Buttons: Save and New, OK, Cancel

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).





every conditions: None

Edit

Device Name*	192.168.217.100	Door Number*	1
Door Name*	192.168.217.100-1	Active Time Zone*	24-Hour Accessible
Verification Mode*	Card or Fingerprint	Lock Open Duration*	5 second(0-254)
Wiegand Format	Auto	REX Mode*	Unlock
Operate Interval*	2 second(0-254)	REX Delay	second(5-254)
Door Sensor Type*	None	REX Time Zone	24-Hour Accessible
Close and Reverse State	<input type="checkbox"/>	Anti-passback Duration of Entrance	0 minute(0-120)
Door Sensor Delay	second(1-254)	Duress Password	(Maximum 6 Bit Integer)
Passage Mode Time Zone	-----	Emergency Password	(8 Bit Integer)
Passage Delay	15 second(0-60)	Disable Alarm	<input type="checkbox"/>
Multi-Person Operation Interval*	10 second(5-60)	Open Door Delay	0 second(0-60)

The above settings are copied to -----

OK Cancel

	Number	Printed Name	Bound Camera	Remark	Op
0	1	IN1			Edit
0	2				Edit
0	3				Edit
0	4				Edit

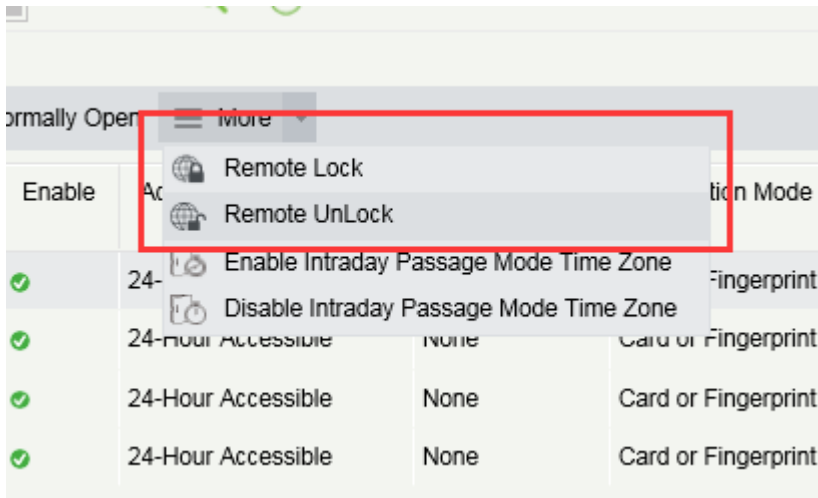
Edit

Device Name*	192.168.217.100
Number*	1
Name*	Auxiliary Input-1
Printed Name*	IN1
Auxiliary Input Time Zone	24-Hour Accessible
Remark	

OK Cancel

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

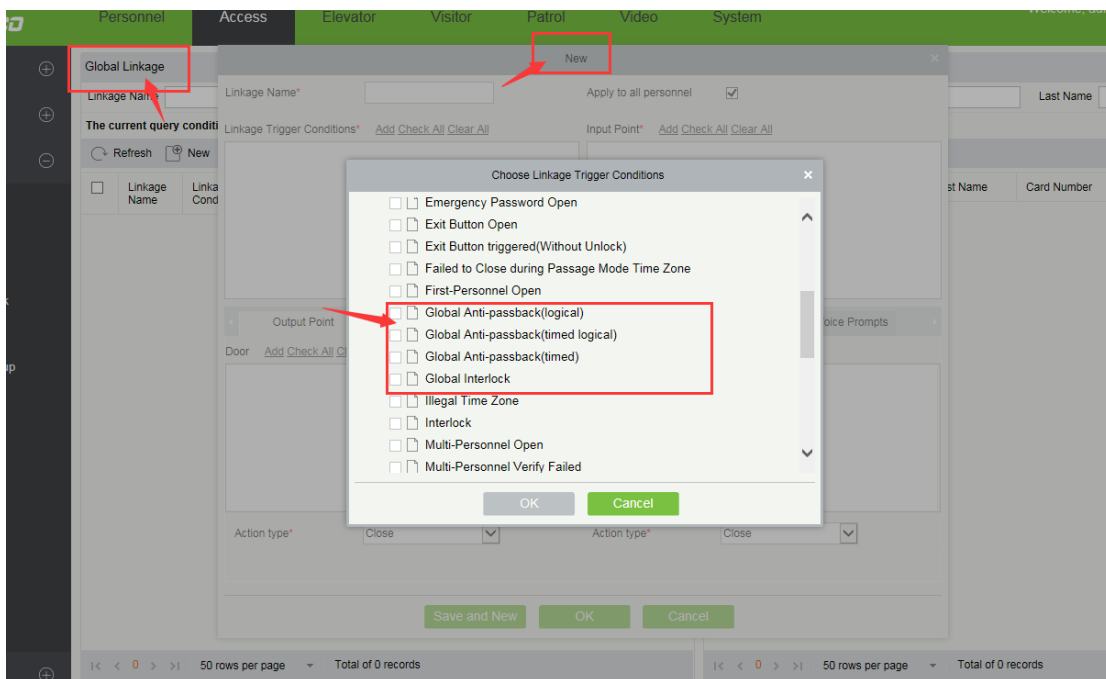




11

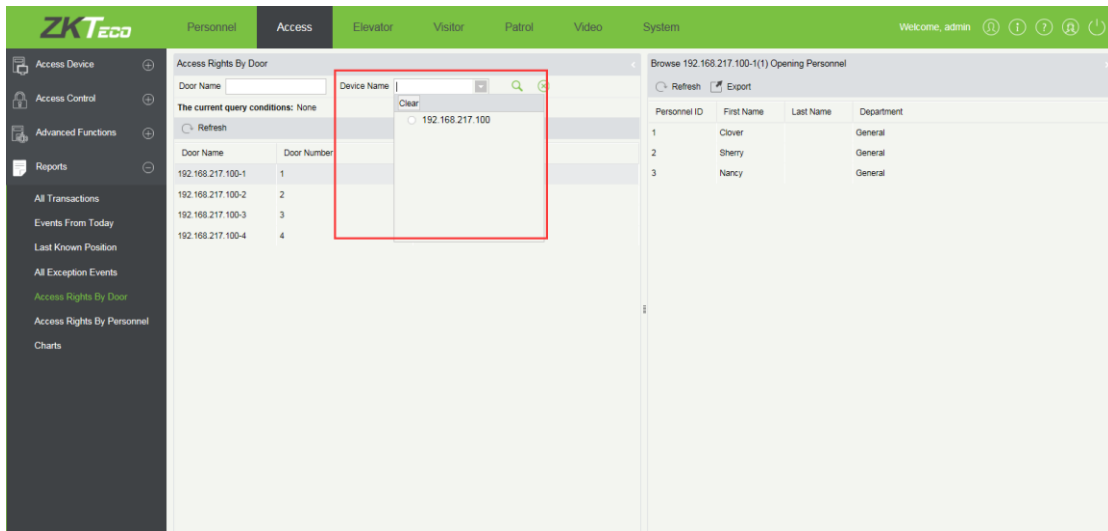
4. Repaired bugs regarding the loss of fingerprint data during the re-registration of a certain fingerprint of a person.
5. Only superuser is allowed to switch [Normally Opening] and [Normally Closing] functions with consecutive 5 swiping of card (only when using the above mentioned firmware).

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

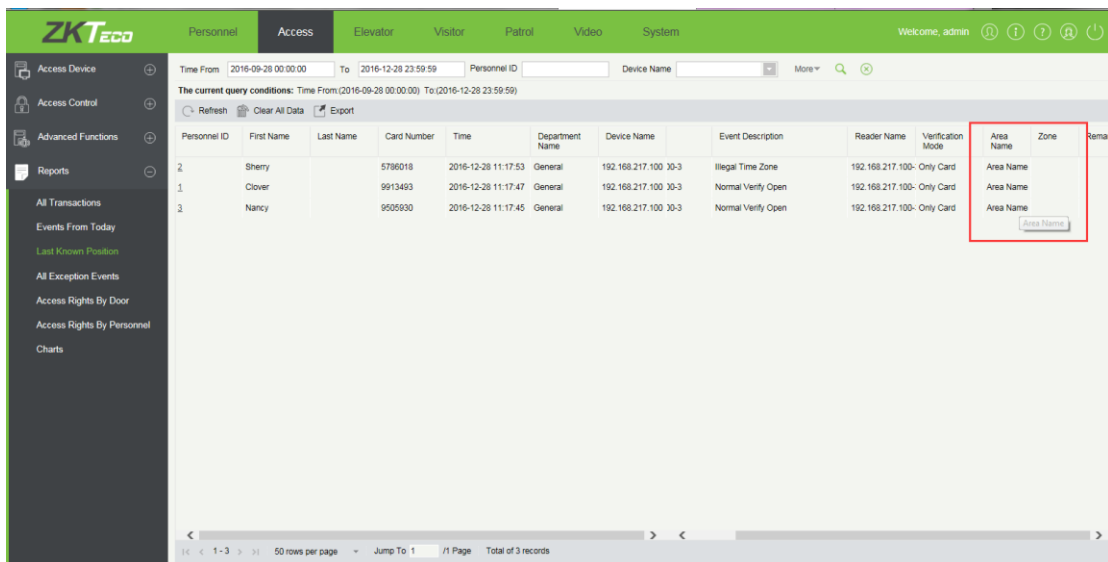


6. Added "device" in the search criteria when checking reports by doors.

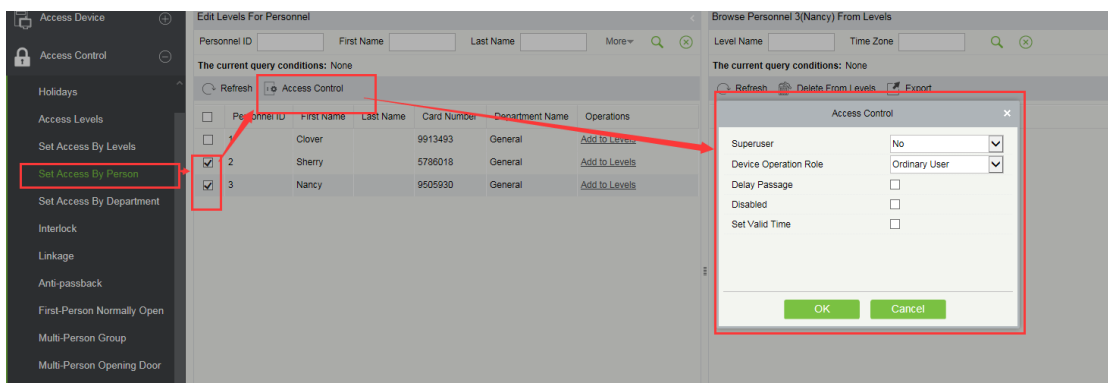




7. Added access control zone and zone name in the last access location in reports.

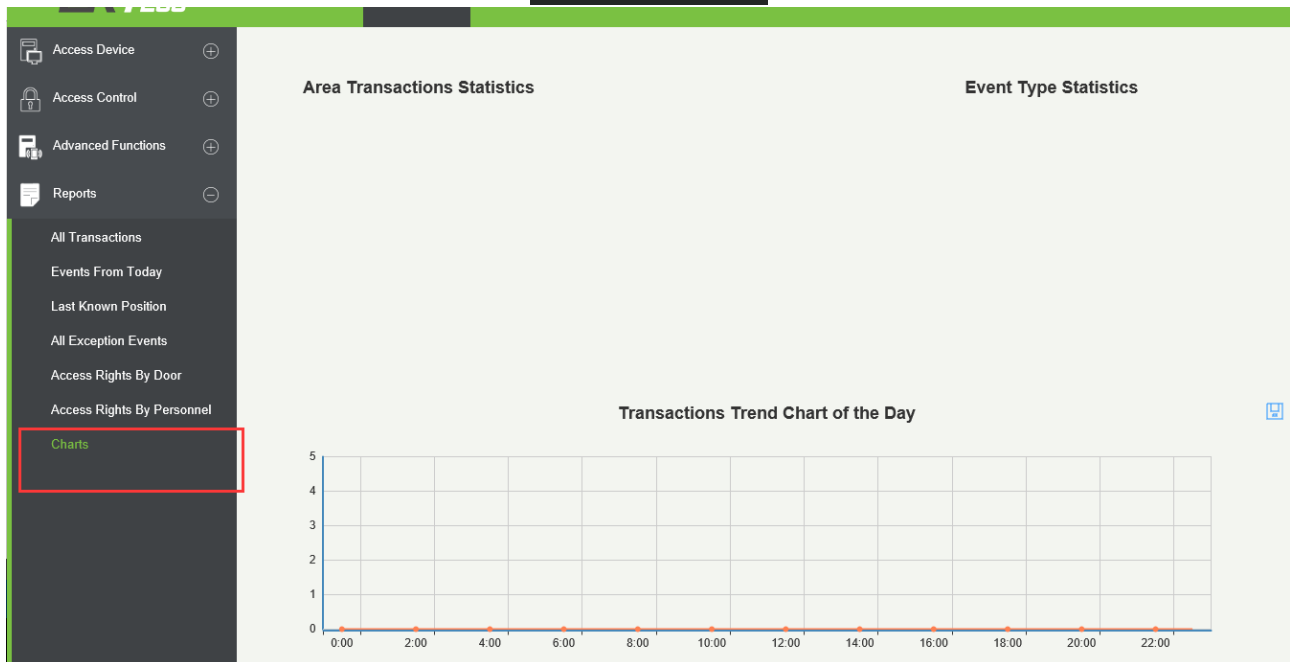


8. Support batch Access control setting with no more one-by-one editing needed.



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 *	Visit
Certificate Type *	ID	Certificate Number *		Entrance *	server
First Name *		Last Name		Gender	-----
Company		Mobile Phone		License Plate	
Card Number		Visitor Count *	1	Carrying Goods	
Nationality					
Visitor Level		Start Time	2016-12-30 16:08:49	End Time	2016-12-30 23:59:59

Portrait Certificate Photo

Captured Photo

Capture

Save and New OK 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

Parameters

Device Debugging

Print Settings

Visitor Levels

Entry Place

Visit Reason

☒ Open the Visitor Exit 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 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

☒ Host/Visited

☒ Visit Department

The Visitor List the Recipient Mailbox

The Visitor List Mailing Time 15 : 30





Entry Registration

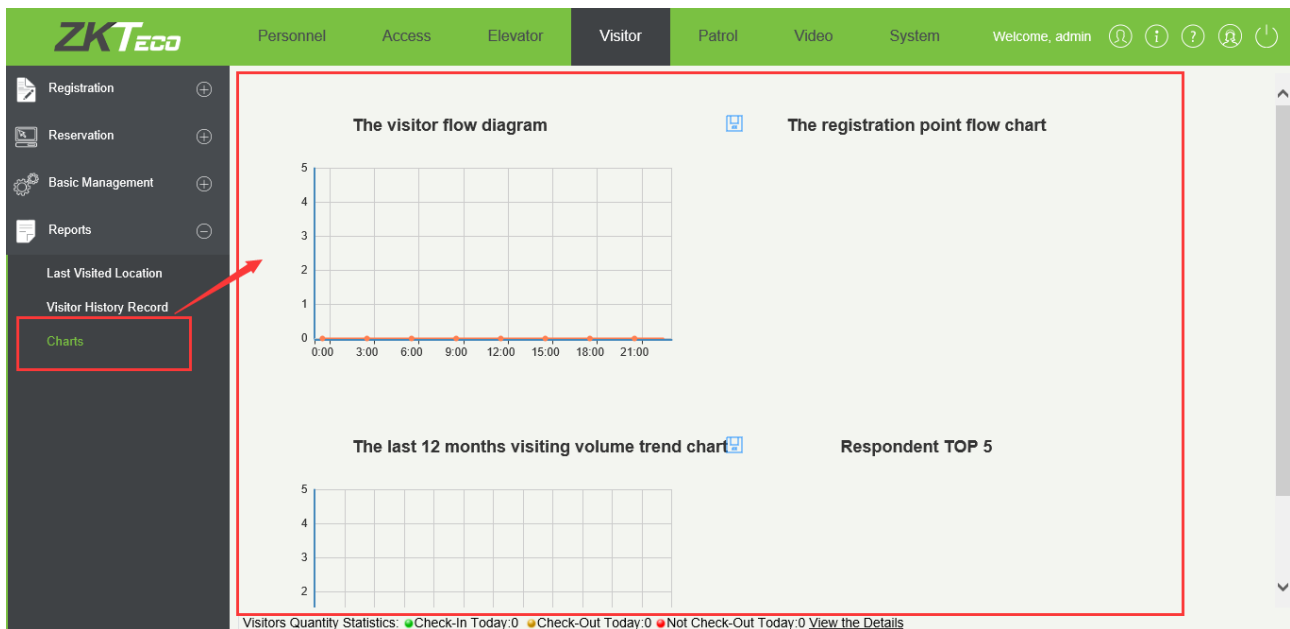
Host/Visited *	<input type="text" value="Enter the Query Condi"/>	Visit Department *	<input type="text"/>	Visit Reason *	<input type="text" value="Visit"/>
Certificate Type *	<input type="text" value="ID"/>	Certificate Number *	<input type="text"/>	Entrance *	<input type="text" value="server"/>
First Name *	<input type="text"/>	Last Name	<input type="text"/>	Gender	<input type="text" value="-----"/>
Company	<input type="text"/>	Mobile Phone	<input type="text"/>	License Plate	<input type="text"/>
Password	<input type="text"/>	Visitor Count *	<input type="text" value="1"/>	Carrying Goods	<input type="text"/>
Nationality	<input type="text"/>				

Visitor Level  Start Time 2016-12-30 16:11:02 End Time 2016-12-30 23:59:59

Portrait Certificate Photo

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

Registration (+)  
Reservation (+)  
Basic Management (-)  
**Parameters**  
Device Debugging  
Print Settings  
Visitor Levels  
Entry Place  
Visit Reason

**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(perform 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

**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

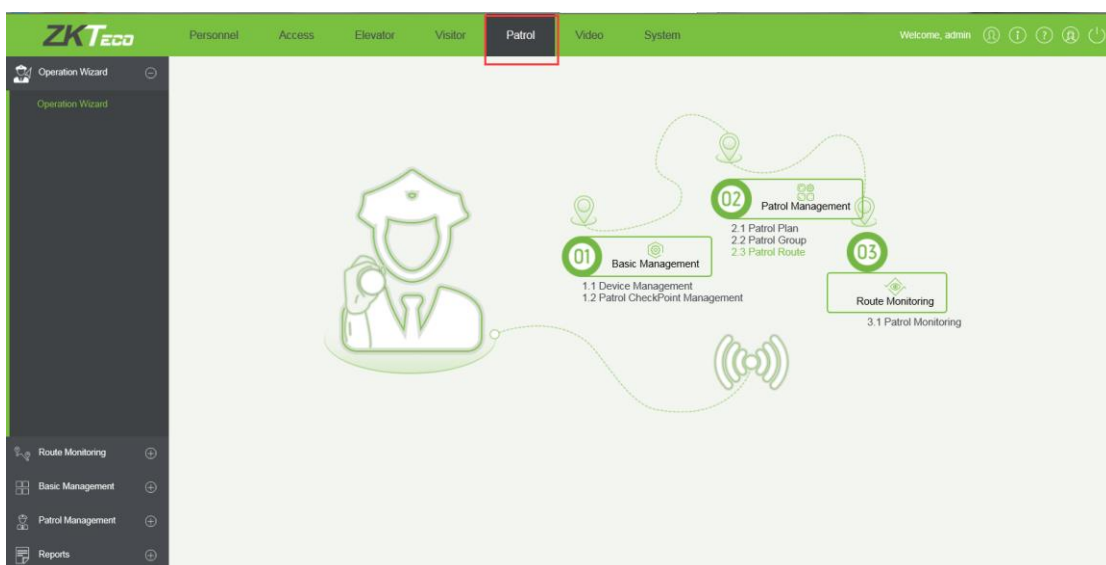
Send the visitors information during the day by email. Sending Time: 15 : 30

⊗ ⊕

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.





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.

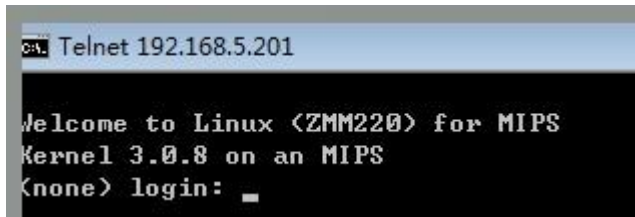
## 固件改造 Firmware Transformation：

- 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

1、 Guard Patrol Module is 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.

2017.1.23