New Features and Updates for ZKBioSecurity V5000_3.0.0_R

Date: July 2020

Doc Version: 1.0

English

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If there is any issue related to the product, please contact us.

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About the Company

ZKTeco is one of the world's largest manufacturer of RFID and Biometric (Fingerprint, Facial, Finger-vein) readers. Product offerings include Access Control readers and panels, Near & Far-range Facial Recognition Cameras, Elevator/floor access controllers, Turnstiles, License Plate Recognition (LPR) gate controllers and Consumer products including battery-operated fingerprint and face-reader Door Locks. Our security solutions are multi-lingual and localized in over 18 different languages. At the ZKTeco state-of-the-art 700,000 square foot ISO9001-certified manufacturing facility, we control manufacturing, product design, component assembly, and logistics/shipping, all under one roof.

The founders of ZKTeco have been determined for independent research and development of biometric verification procedures and the productization of biometric verification SDK, which was initially widely applied in PC security and identity authentication fields. With the continuous enhancement of the development and plenty of market applications, the team has gradually constructed an identity authentication ecosystem and smart security ecosystem, which are based on biometric verification techniques. With years of experience in the industrialization of biometric verifications, ZKTeco was officially established in 2007 and now has been one of the globally leading enterprises in the biometric verification industry owning various patents and being selected as the National High-tech Enterprise for 6 consecutive years. Its products are protected by intellectual property rights.

About the Manual

This manual introduces the New Features and Updates for ZKBioSecurity V5000_3.0.0_R.

All figures displayed are for illustration purposes only. Figures in this manual may not be exactly consistent with the actual products.

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Document Conventions

Conventions used in this manual are listed below:

GUI Conventions

For Software	
Convention	**Description**
Bold font	Used to identify software interface names e.g. **OK**, **Confirm**, **Cancel**
>	Multi-level menus are separated by these brackets. For example, File > Create > Folder.
For Device	
Convention	**Description**
< >	Button or key names for devices. For example, press <OK>
[ ]	Window names, menu items, data table, and field names are inside square brackets. For example, pop up the [New User] window
/	Multi-level menus are separated by forwarding slashes. For example, [File/Create/Folder].

Symbols

Convention	Description
	This implies about the notice or pays attention to, in the manual
	The general information which helps in performing the operations faster
	The information which is significant
	Care taken to avoid danger or mistakes
	The statement or event that warns of something or that serves as a cautionary example.

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1 Key Updates

1. The software newly supports Portuguese (Brazil), French, and Arabic languages.
2. The software supports Short Message Service (SMS), to enrich the system notification function.
3. It also supports Body Temperature & Mask Detection devices. This newly added feature provides responsive, intuitive, user-friendly web application and various analysis reports to facilitate body temperature screening in all real-time scenario.
4. It newly supports the backup of database file to FTP server.
5. It also supports intelligent video global linkage function.

   The software allows the user to configure the smart video camera events such as Motion detection, Cross Line Alarm, Human Detection, Blacklist/Stranger Alarm etc., to trigger the intelligent linkage actions, including Video Capture, Video Recording, Access Control (Door open, close, lockdown, unlock), Elevator Control (Floor button release, lock), Email Alert/Notification, Text Message Alert/Notification. This ensures secure supervisory control and management.
6. The software supports Visitor Autonomous Registration function (QR Code).

   This feature simplifies the visitor registration process, decreases the manpower cost for receptionist, increases the efficiency of visitor registration. The visitor's information is registered by scanning the QR code. The Administrator will validate the registered information on the software. This feature avoids face-to-face contact, thus ensuring safe social distance.

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2 Functional Update Details

2.1 Platform

1) The software newly supports Portuguese (Brazil), French and Arabic languages. It allows users to switch among 12 languages.

2) Users can log into the system by fingerprint verification after registration and installing the driver. This improves the convenience and security of login.

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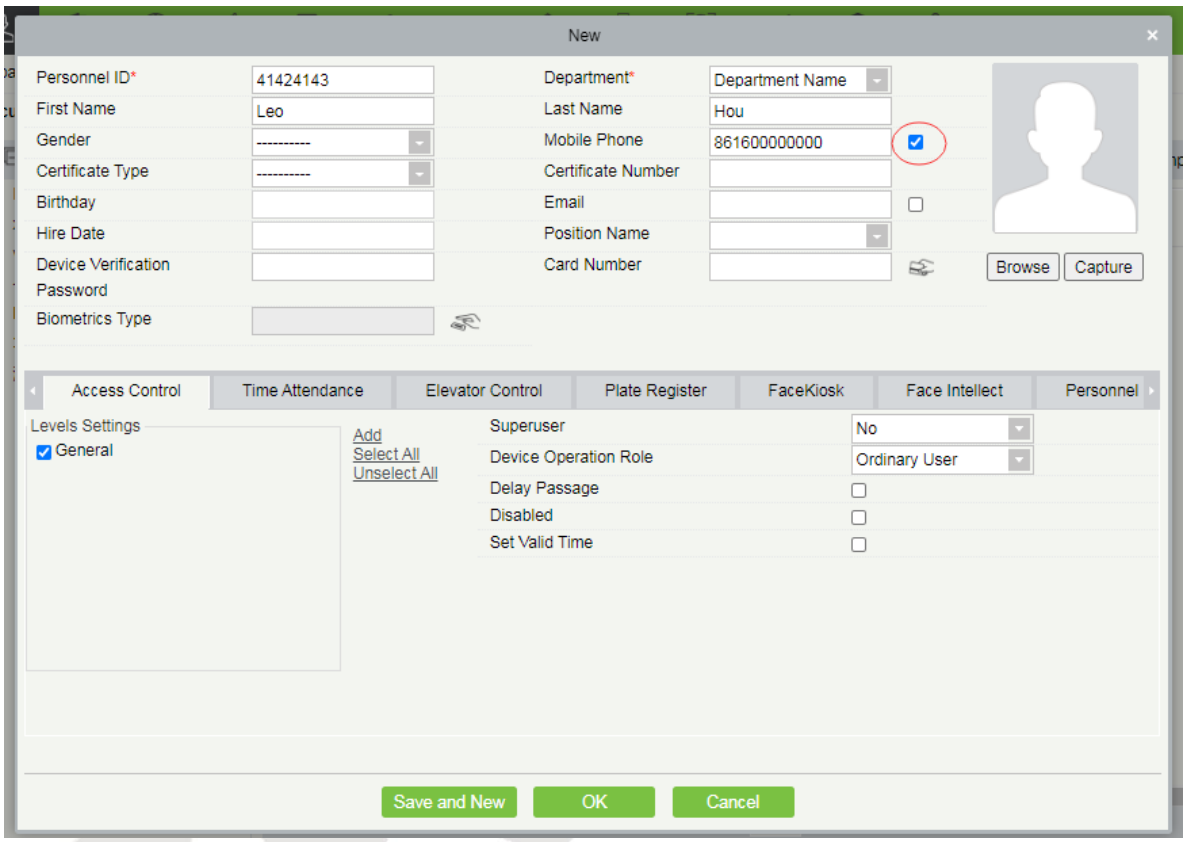
2.2 Personnel Module

1. Supports sending a text message to Personnel once any access or elevator event occurs.

After selecting the checkbox next to the Mobile number, the system will send an email to the relevant person once access or an elevator event occurs.



Note: The SMS parameters need to be configured first.

2. Newly added Employee's Health-Declaration function assist the enterprise to quickly assess the health status of employees, which helps to restart the business.

The path is: **Personnel** > **Parameters** > **Self-service Registration**.

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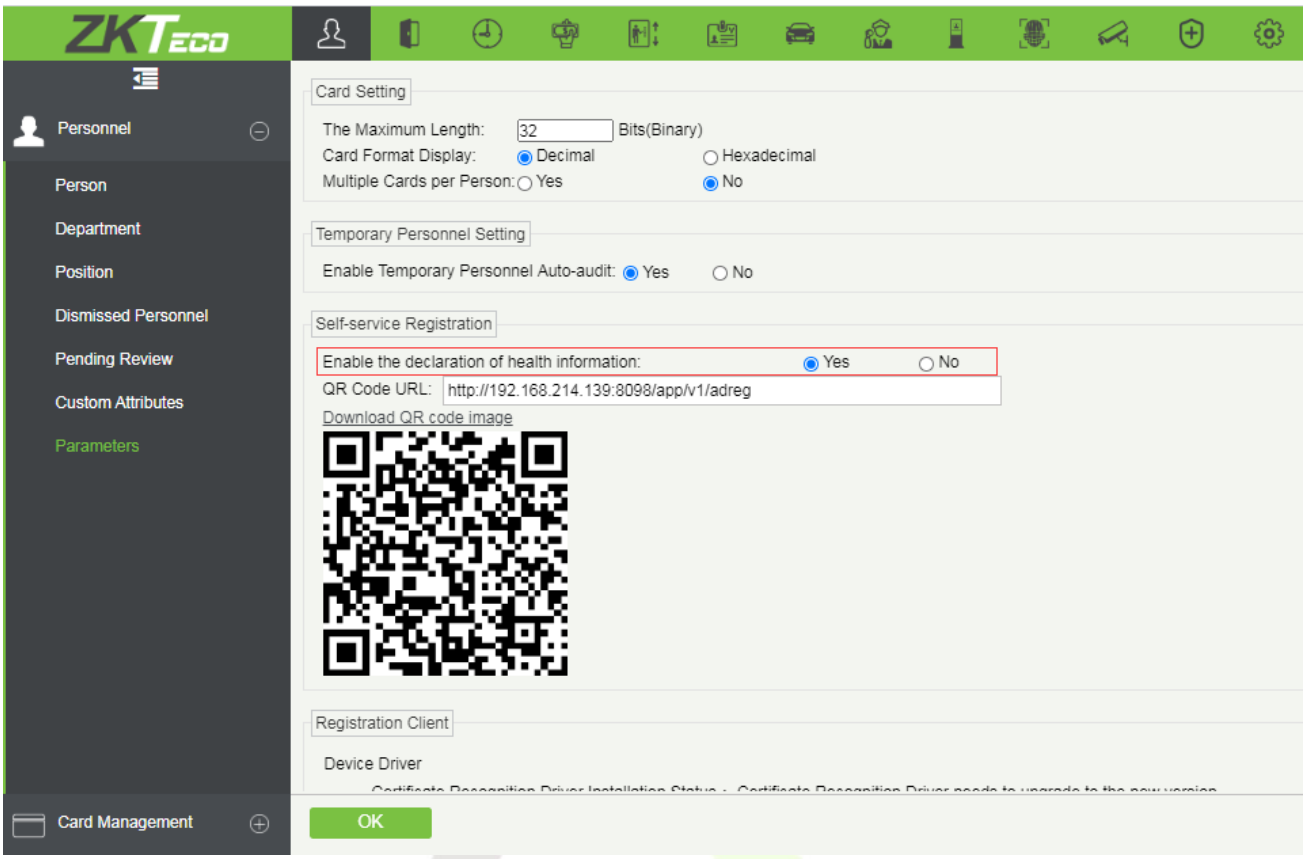

After enabling this function, the employee needs to submit the individual health information after scanning the QR Code.

And this declaration information will be updated to the personnel information.

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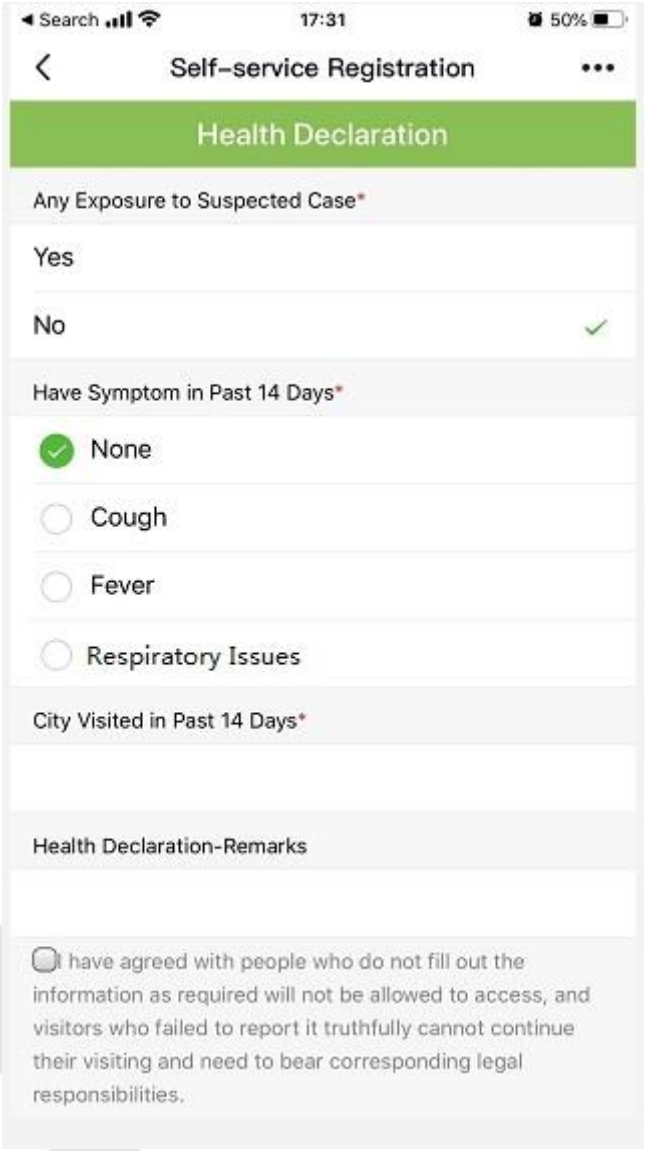

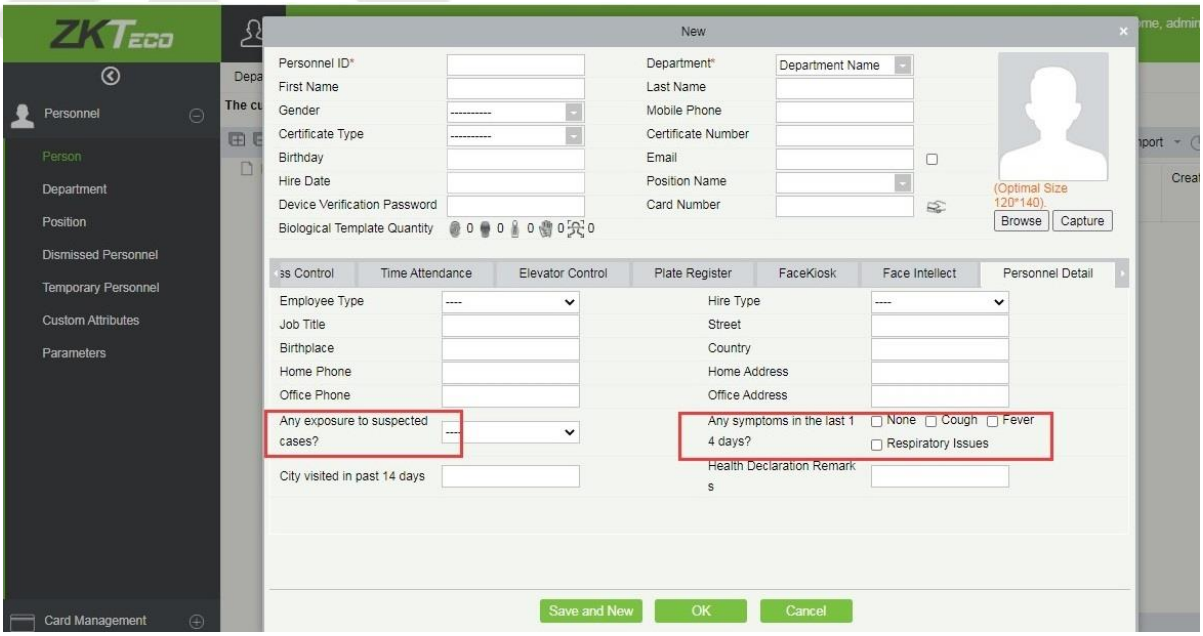

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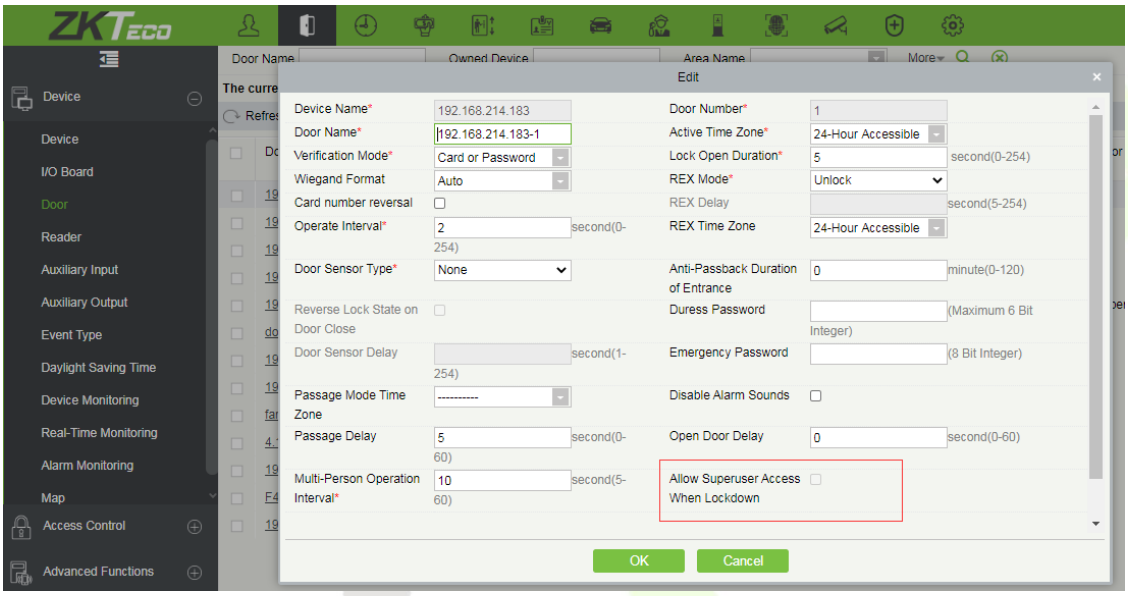
2.3 Access Control

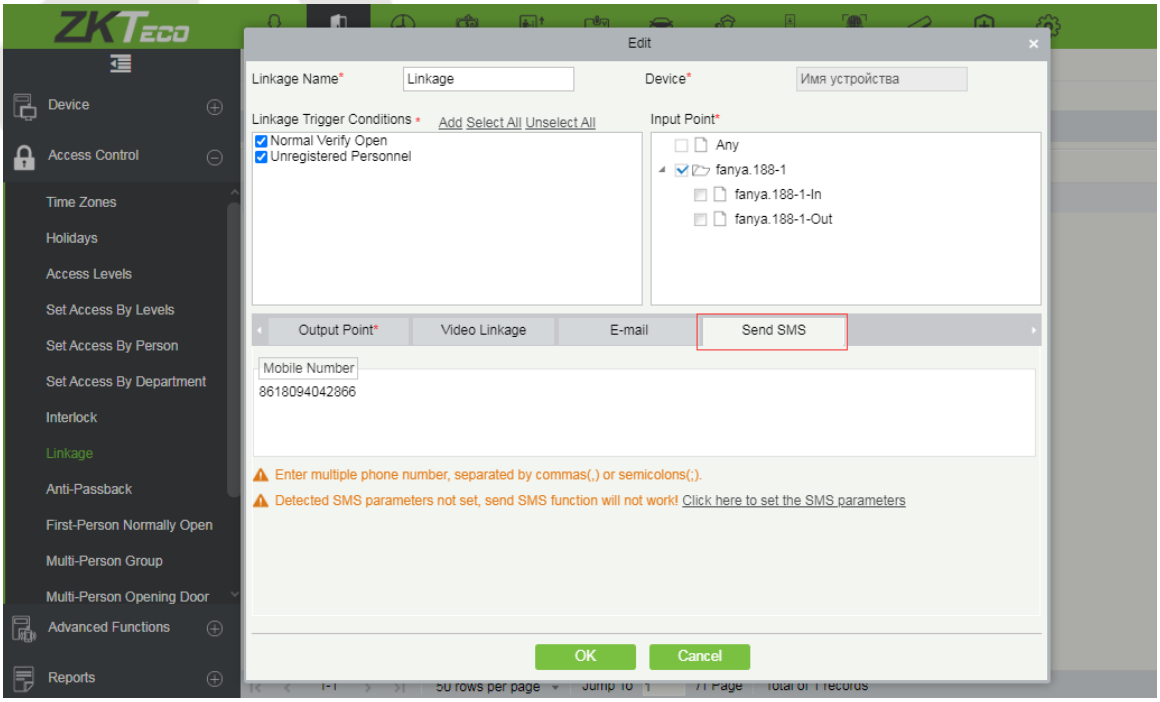
1. Superuser Access is enabled to open the door

This newly added feature allows the Superuser to open the door when it is locked. If there is an emergency, the Superuser can open the door if the following checkbox is selected.



2. Sending Linkage Notification by SMS

It allows the users to set the recipient phone number in the linkage configuration page. When a linkage event is triggered, a notification will be sent to the relevant phone number.



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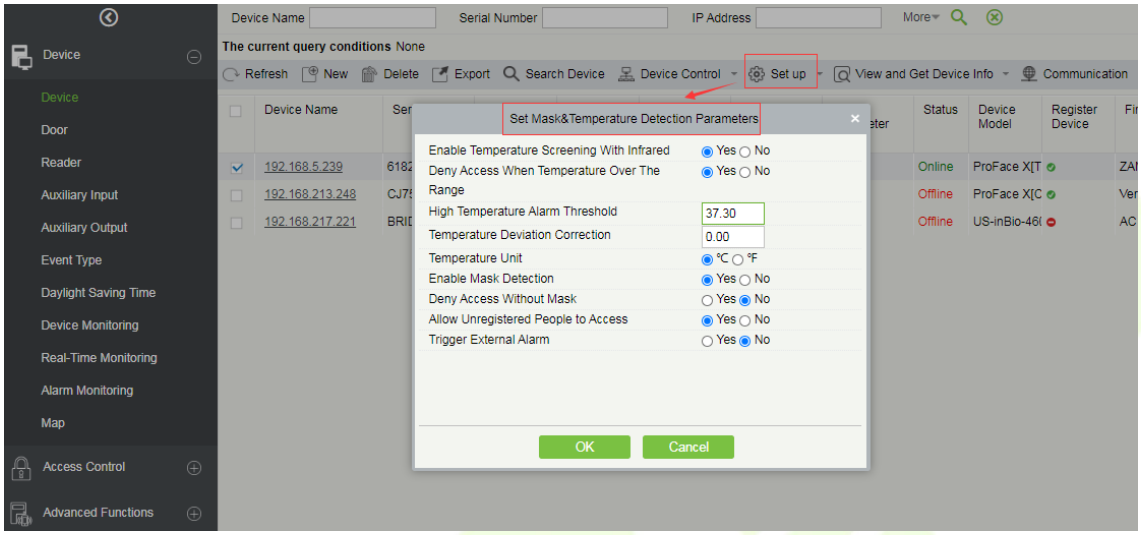
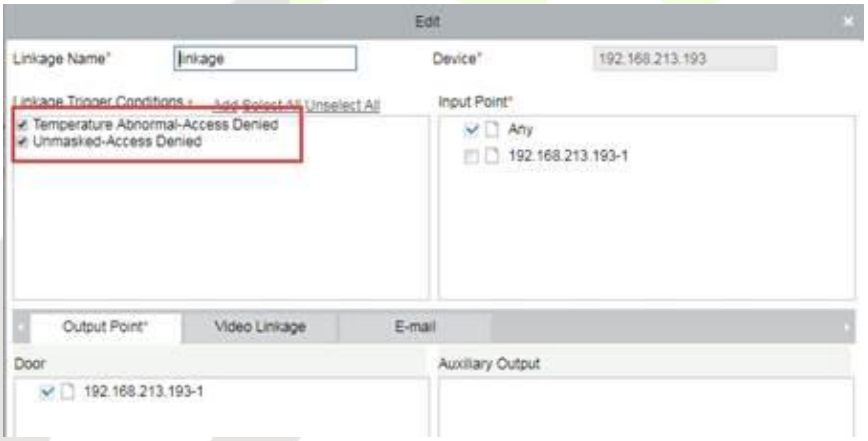
3. Supports Mask and Temperature Detection Devices

The software supports Mask and Temperature detection devices, by allowing the users to set the Mask and Temperature parameters of the device from the software.



Users can set the 'Temperature Abnormal and Unmasked' events as the linkage trigger conditions.



2.4 Visitor Module

1. Visitor Autonomous Registration function (QR Code)

The autonomous registration simplifies the visitor registration process, decreases the manpower cost for the Receptionist, increases the efficiency of visitor registration. The visitor's information will be registered by scanning the QR code, and the Administrator will validate the visitor information on the software. This feature avoids face-to-face contact and ensures safe social distance.

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1) Visitors scan the QR code to fill the basic information and capture the photo by using the smartphone.

2) The receptionist or Administrator checks the registration information in ZKBioSecurity software.

3) The receptionist or Administrator validates the visitor registration information and authorizes the access level for visitors.

2.5 VMS Module

1. VMS Global Linkage Function

The software newly supports intelligent video global linkage function.

It allows the user to configure smart video camera events such as Motion Detection, Cross Line Alarm, Human Detection, Blocklist/Stranger Alarm, etc., to trigger intelligent linkage actions, including Video Capture, Video Recording, Access Control (Door open, Close, Lock and Unlock), Elevator Control (Floor button release, Lock), Email Alert/Notification, Text Message Alert/Notification.

This truly realizes secure supervisory control and management.

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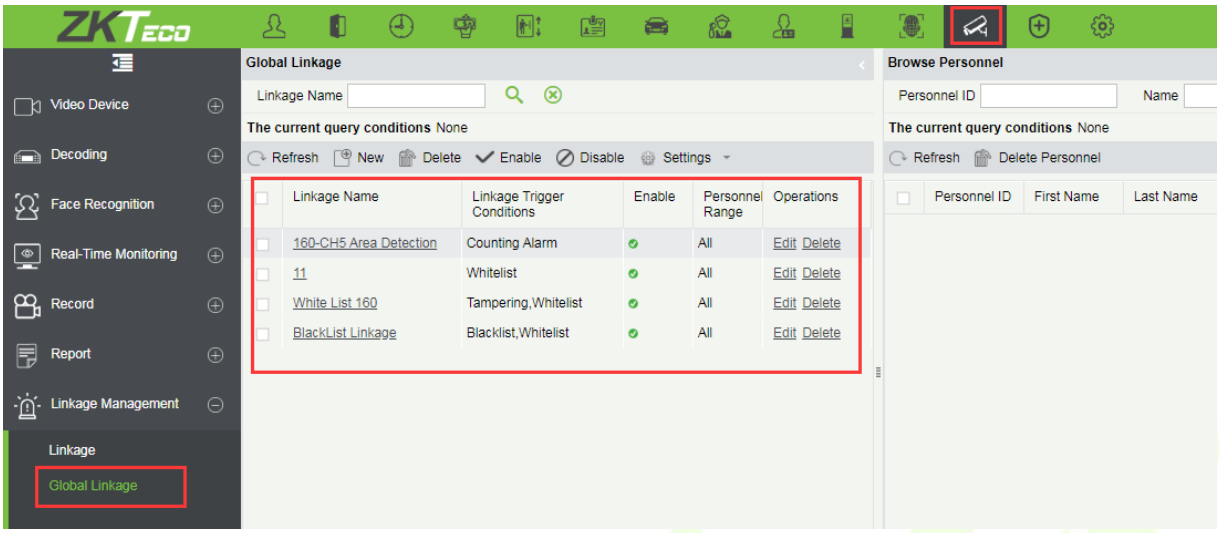

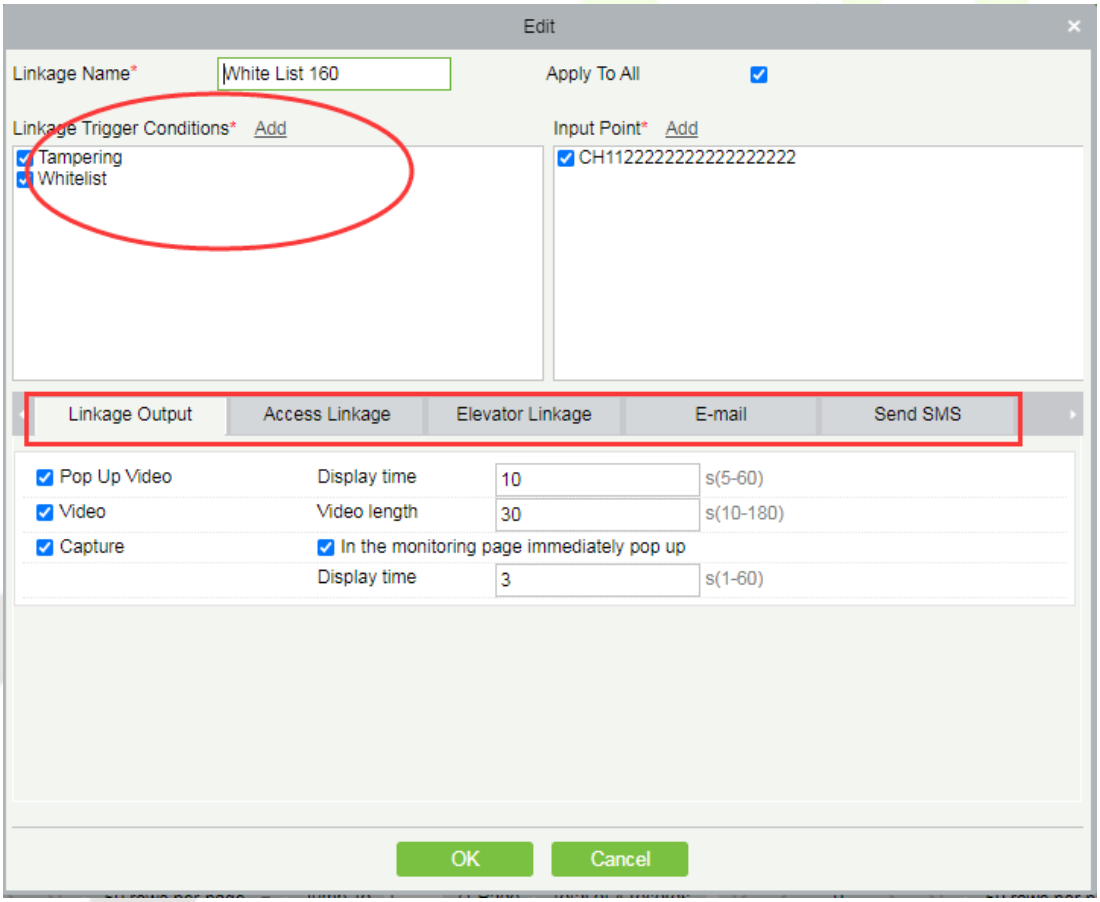

2. Supports Stranger Monitoring

With optimized Facial Recognition NVR and intelligent IPC camera, ZKBioSecurity supports stranger screening in real-time.

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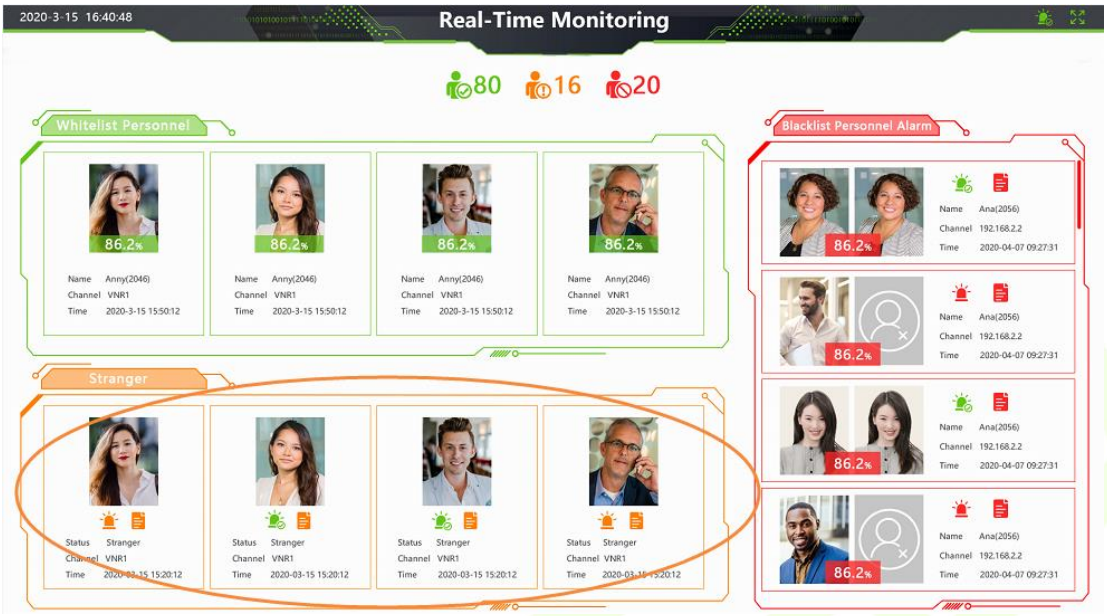
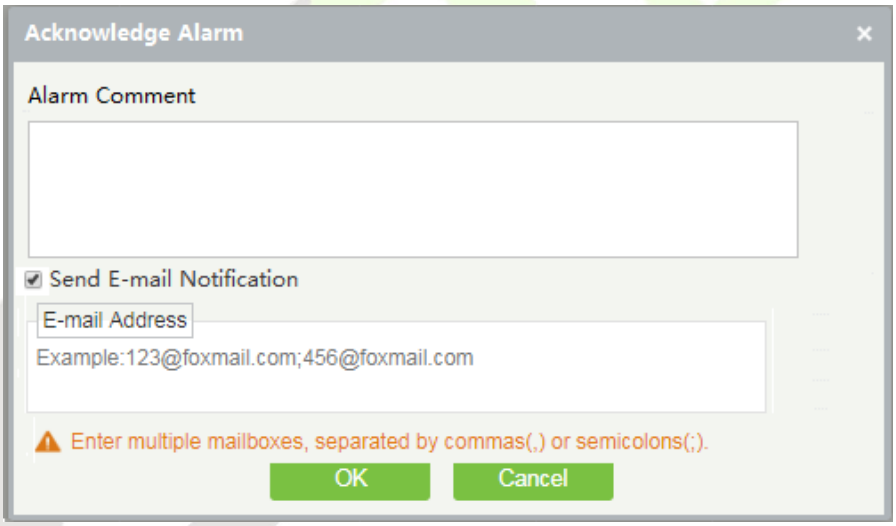


Also, it allows the user to confirm alarm details by checking the captured photo, previewing video, or checking video records. Users can acknowledge the alarms with remarks and send the notifications.



3. Personnel Track Trace

According to the time sequence, the Personnel photos captured by the different cameras will be displayed on the 2D maps to simulate personnel tracking.

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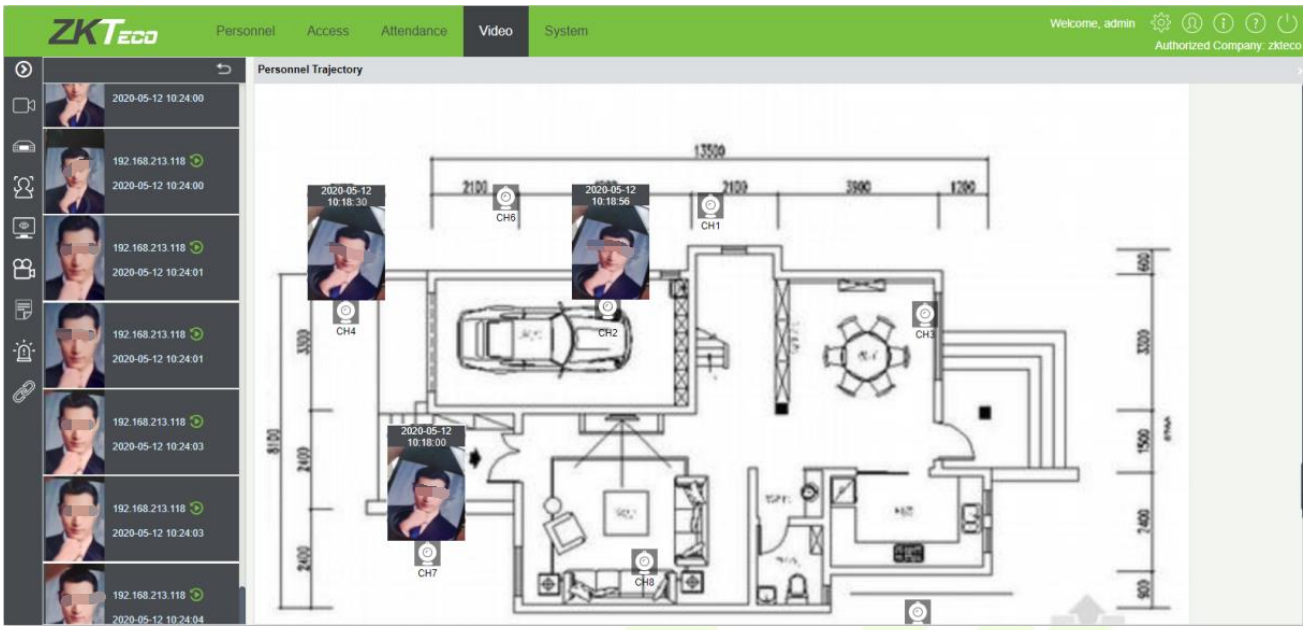
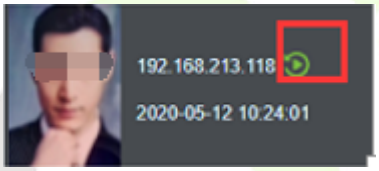


Users can check the Video record by clicking the **Play** button.



2.6 Temperature Detection Module

With the help of Computer Vision technology, ZKTeco's upgraded devices can identify whether the user is wearing a mask, while conducting fast and effective facial recognition. It combines the technology with infrared temperature detection to provide accurate and fast temperature detection during verification.

Meanwhile, we provide responsive, intuitive, user-friendly web application and various analysis reports to work with Body Temperature and Mask Detection devices. It helps the Enterprise to ensure the entrance safer, smarter, and more hygienic.

1. Real-Time Monitoring

Real-time monitoring provides a very clear visualizing interface for the user to detect all the staff or stranger's body temperature and masks who have a verification record on the thermal detection devices.

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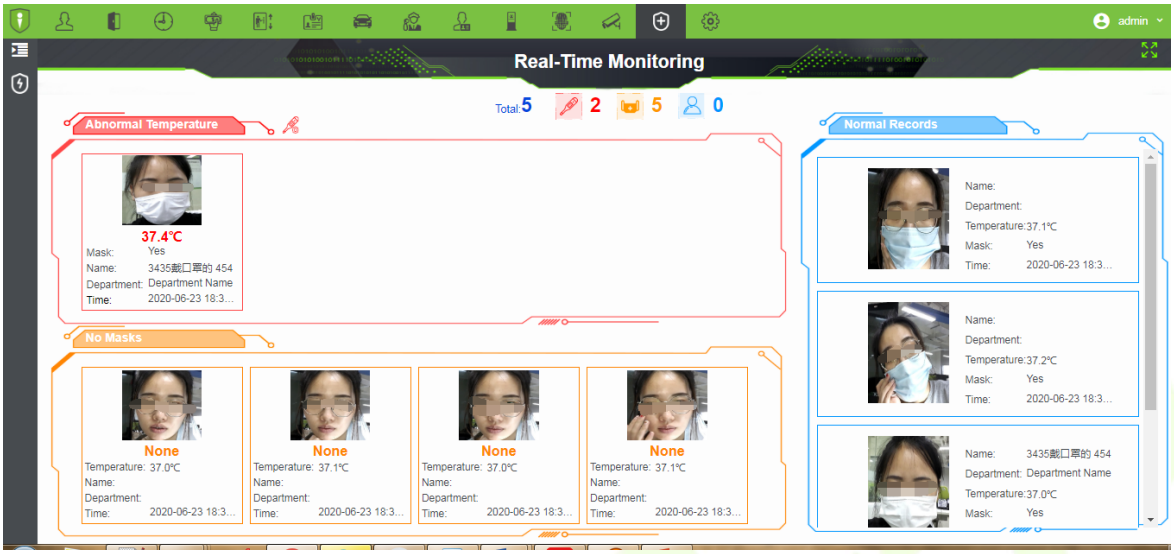
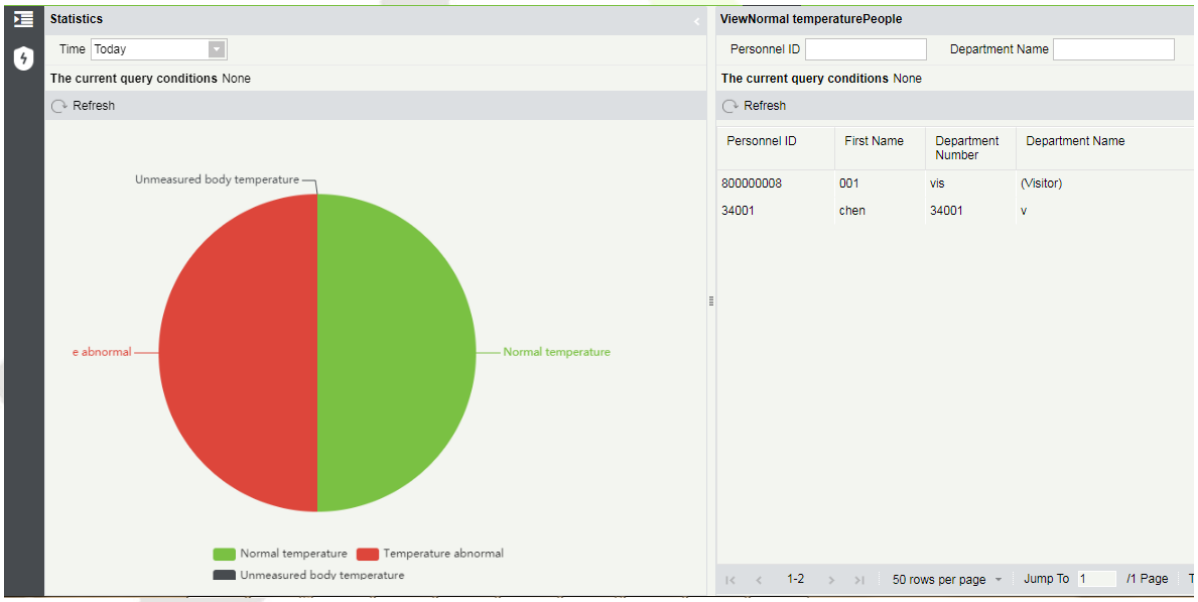


2. Statistic Panel

Statistic panel helps the user to view the body temperature of all the staffs. It allows the Administrator to check the every day's statistics, weekly and monthly statistics.



3. Temperature Raw Record report

This report displays all the information generated from Mask and Temperature Detection devices, including the body temperature, mask-wearing status, captured photo, event time and date, event location and area, and so on.

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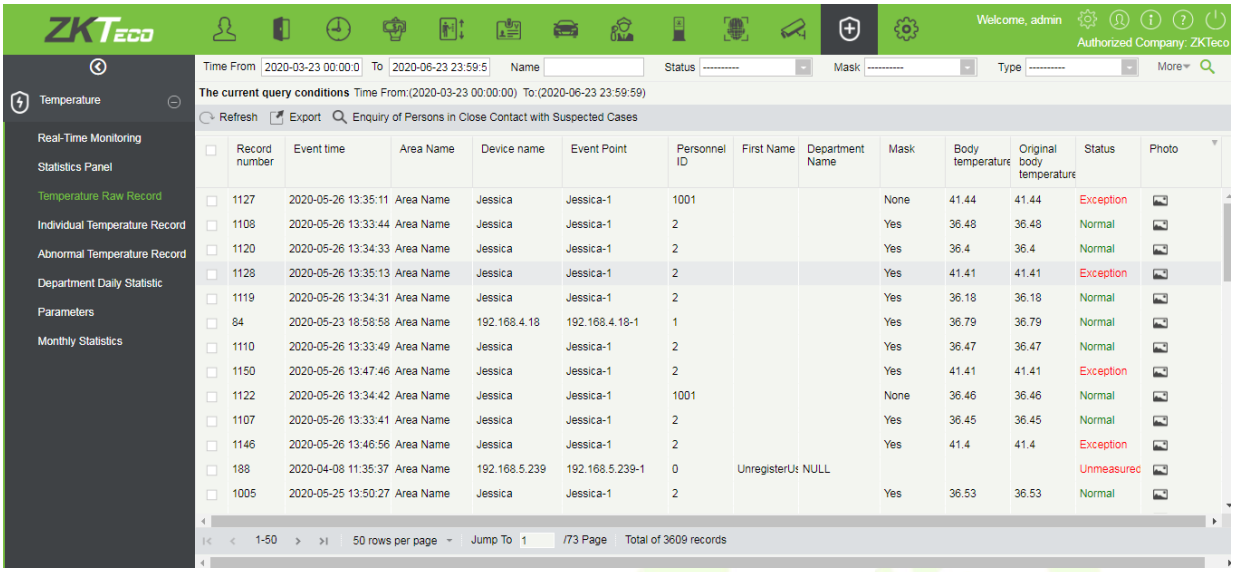
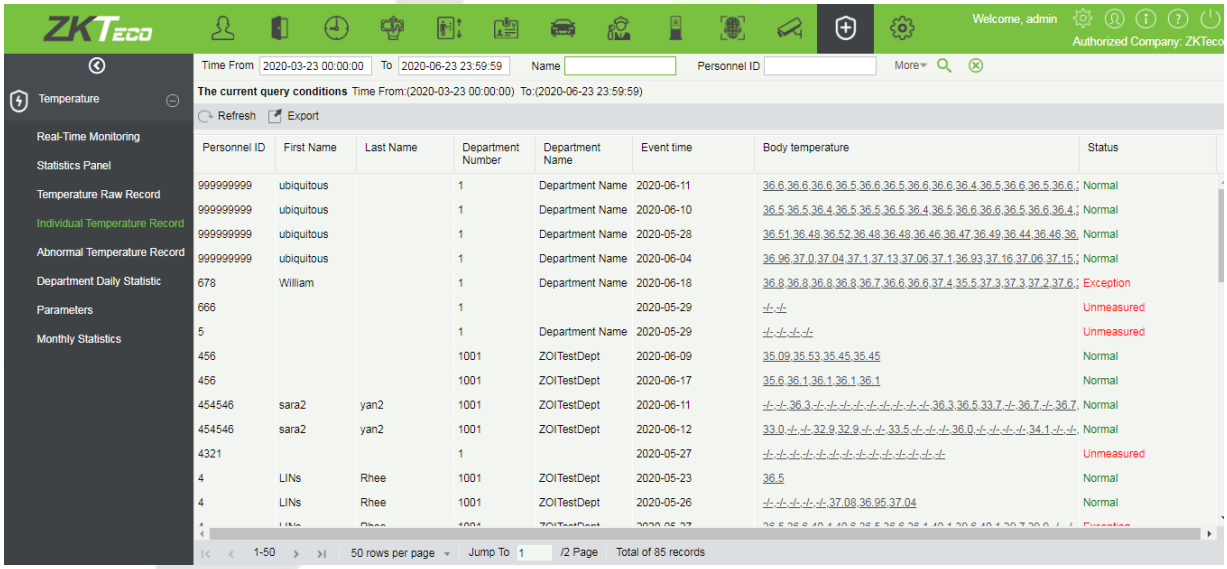


4. Individual Temperature Record Reports

This report helps the user to check the individual temperature record by date, and know the employee's daily body temperature.



5. Abnormal Temperature Record

This report displays all the abnormal temperature records, and the Administrator can locate the person very quickly by combining this information: Time, Area, Device, Personnel ID, Captured Photo.

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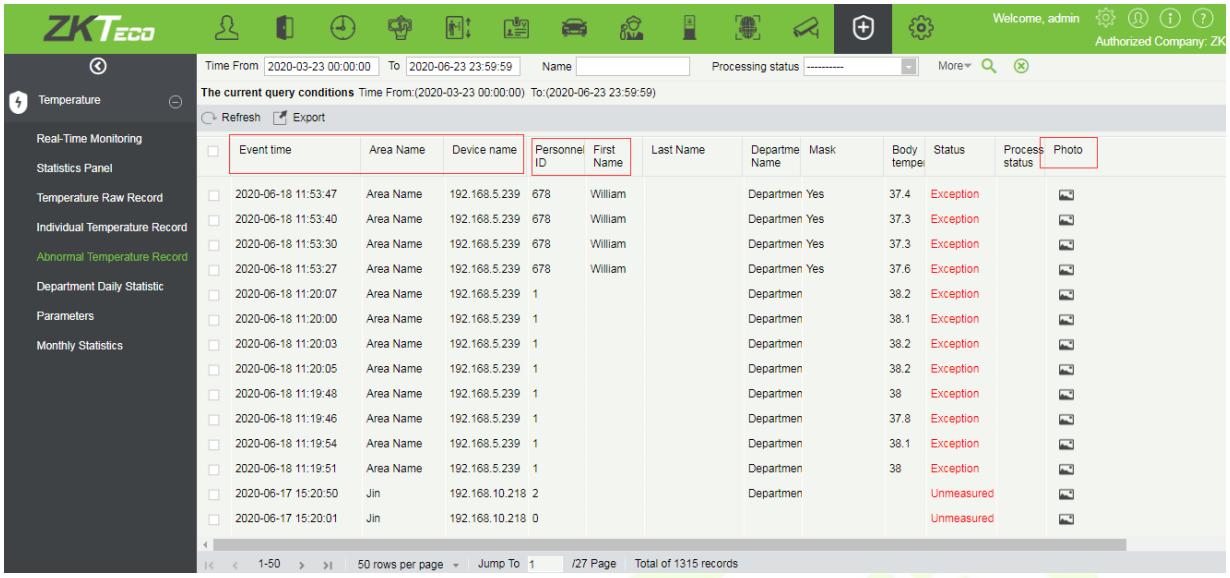
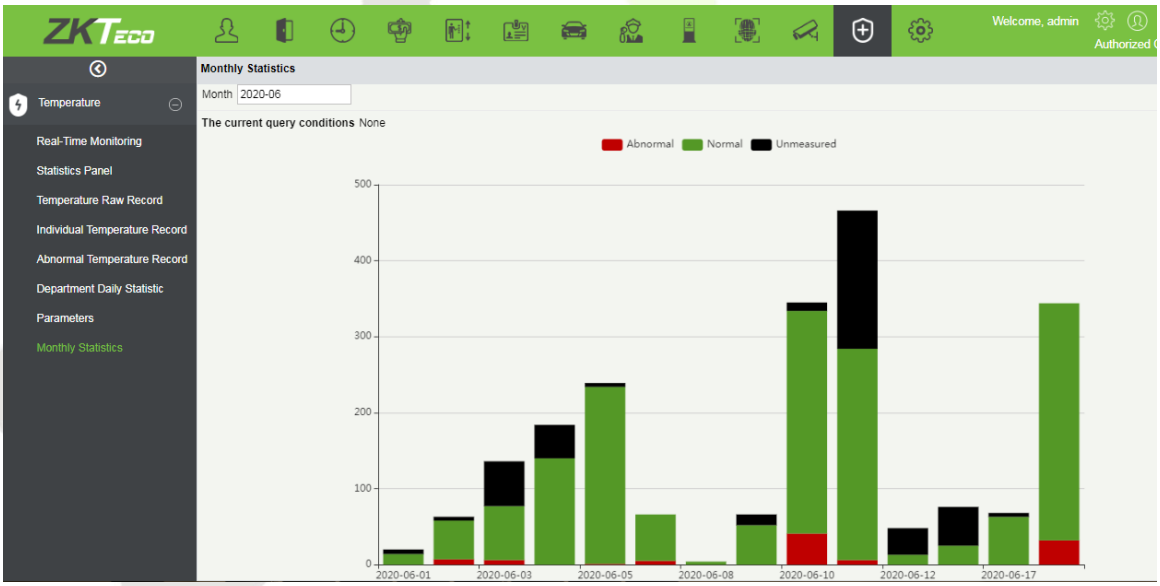


6. Monthly Statistics

The infographics display the statistics of Abnormal, Normal, and Unmeasured temperature records of the month.



2.7 System Module

1. Supports backup of database to the FTP server.

The path is: **System** > **Basic Management** > **Database Management**. Users can configure the FTP server for database backup.

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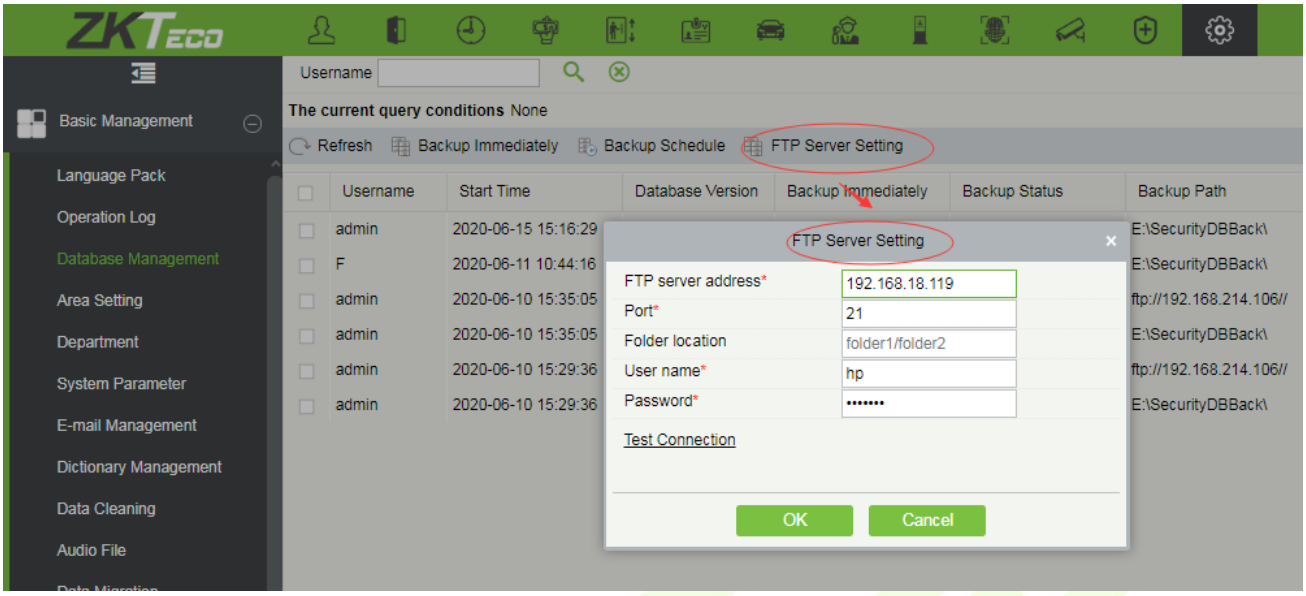
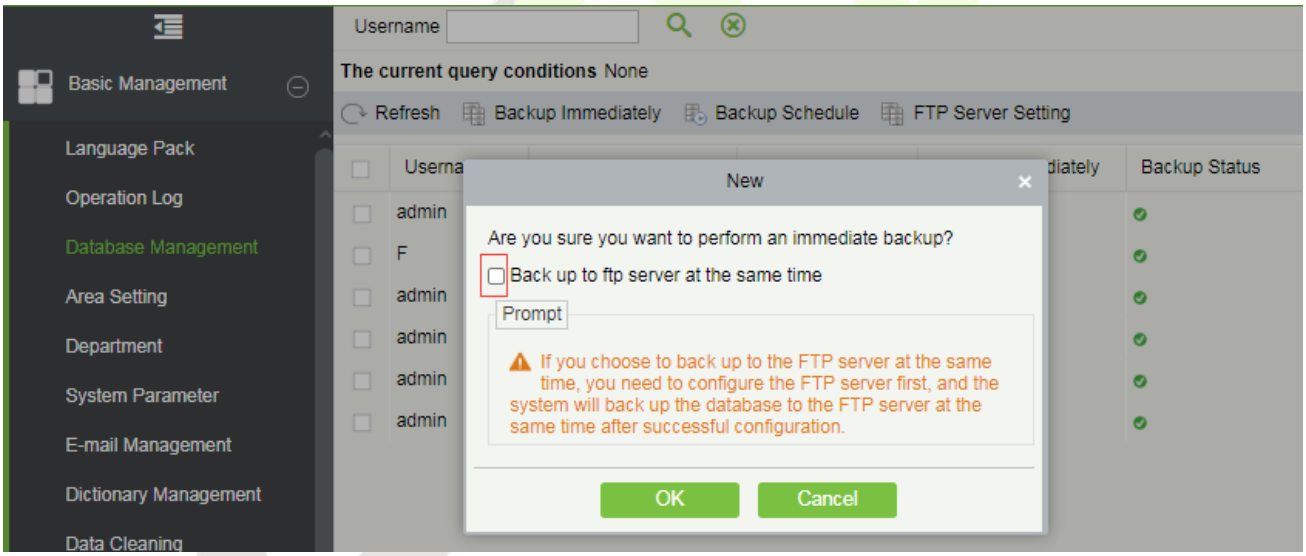


Users can choose to back up the database to FTP while setting the Backup database schedule or backup the database immediately.



2. Supports SMS Function

There are two ways the ZKBioSecurity Platform supports SMS functions.

a: Integrated with the 4G-Module of QUECTEL. It supports sending short messages when the system is offline.

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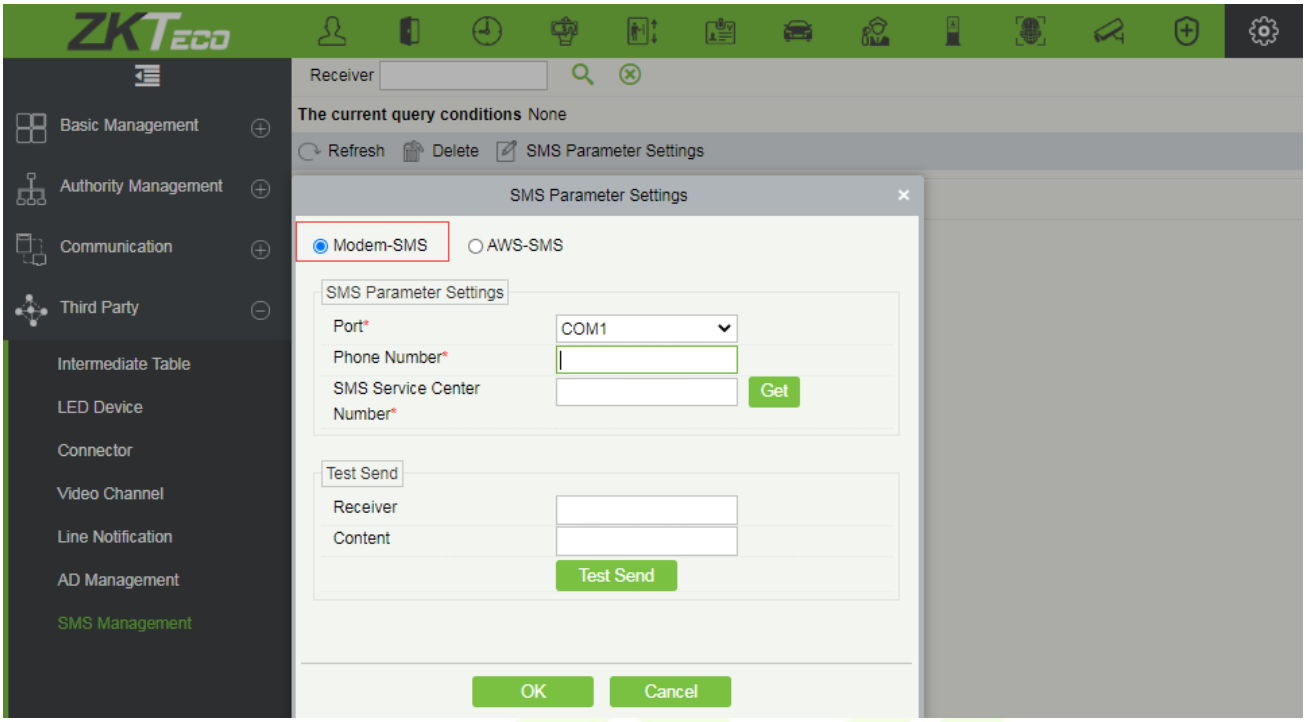
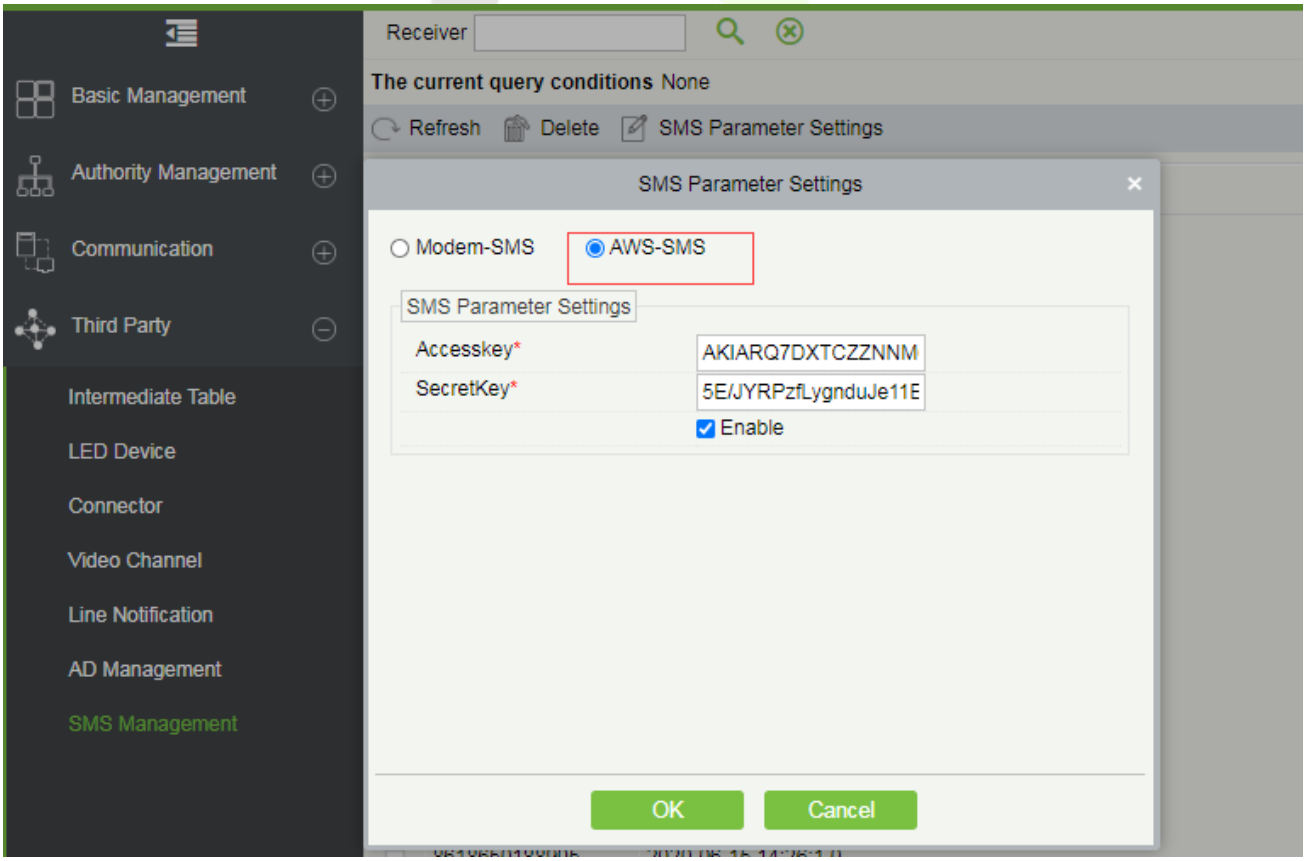


b: Integrated with AWS-SMS, users need to purchase the SMS module from AWS first, then after configuring the parameters in ZKBioSecurity, the software supports SMS function.



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