

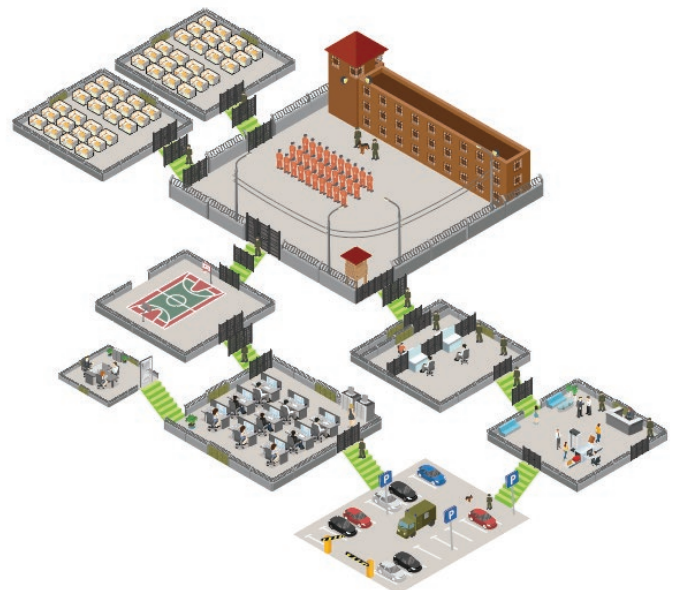
# ZKBioSecurity Law Enforcement Agency Solution

## One Touch To Access All Areas



### Features

- Unlimited Guards & Admin Accounts
- Web Based Solution
- One Touch To Access All Areas
- Full Functioned Visitor Module
- Anti-Passback and Global Interlock
- Multi Card Technologies:  
Support HID Proximity, HID iClass, Mifare Classic, Mifare Plus, DESFire EV1/ EV2, LEGIC, ID Proximity
- Support Biometric Technology:  
Fingerprint & Finger Vein & Palm & Face Recognition



#### All in One ZKBioSecurity Solution



Fingerprint  
Recognition



Face  
Recognition



Palm  
Recognition



Finger Vein  
Recognition



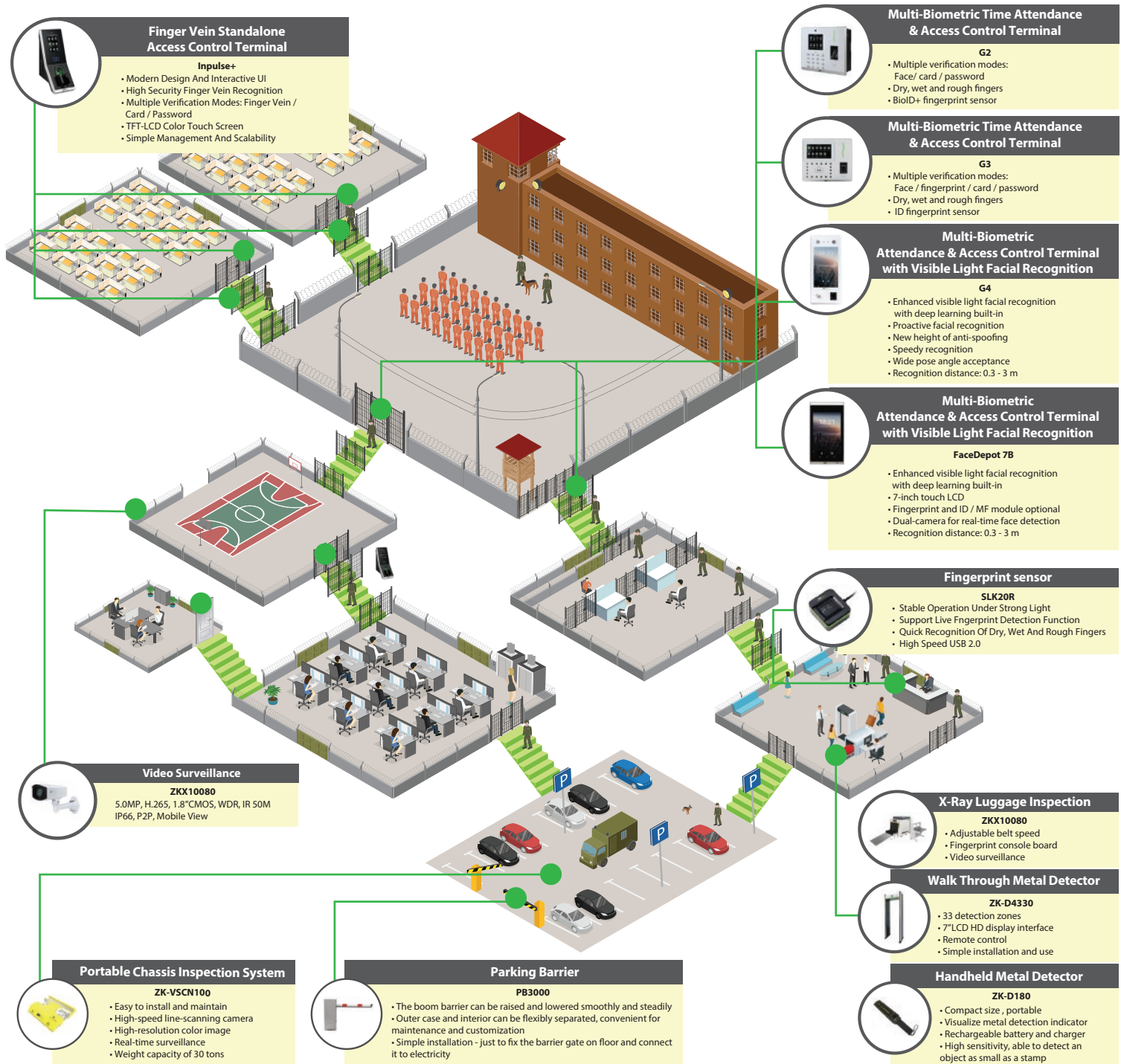
Iris  
Recognition



Card  
Recognition

## ZKBioSecurity Law Enforcement Agency Solution

### All In One Web Based Security Management Solution



### Web Based All-In-One Software



#### Professional Security Software



- All-In-One solution (Access control, time attendance, patrol, hotel, video surveillance, elevator and visitor)
- Simple structure and smooth workflow
- Multi-door management capacity (Up to 2,000 doors in single server and 8,000 doors in multi-server)

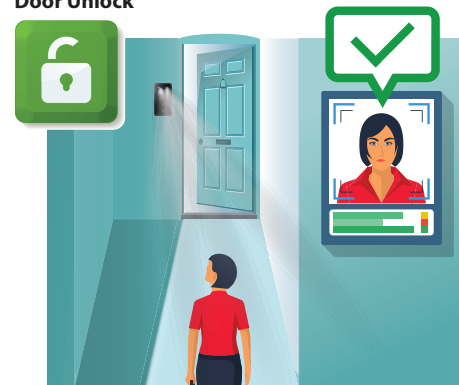


## Support Visible Light Recognition

The Visible Light Facial Recognition System is widely suitable for various applications including offices, warehouses, clinics, manufacturing plants, catering premises and constructions sites etc. For staffs that have been tired of long queue, it no longer requires waiting long time and walking in front of conventional passive recognition systems for fingerprint or facial verification. Instead, with the great convenience and efficiency brought by the Visible Light Facial Recognition System, staffs only need to walk straight through, and the System actively match faces and data.



### Door Unlock



With ZKTeco Visible Light Recognition, users and visitors are now able to quickly finish verification and directly enter the controlled area once the verification is completed.

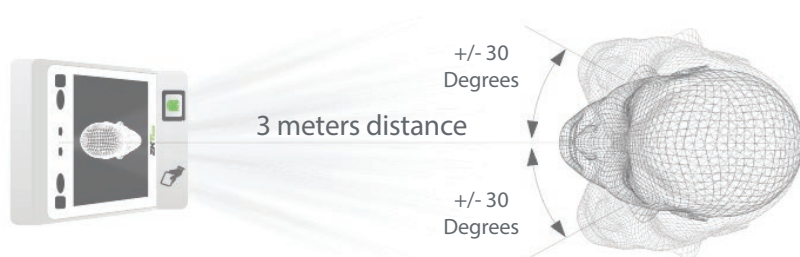
### Door Lock



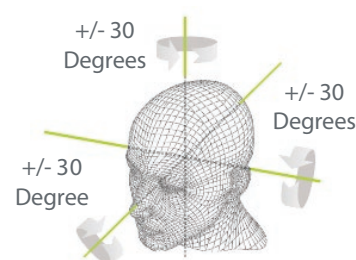
If the person is not allowed to access the area, or the verification is failed, the lock will remain locked.

## Recognition distance 3m long and extra wide angle recognition

The visible light facial recognition is way faster than the previous near Infrared facial recognition, and the recognition distance has been greatly extended up to 3 meters long, which significantly improves maximum traffic rate.



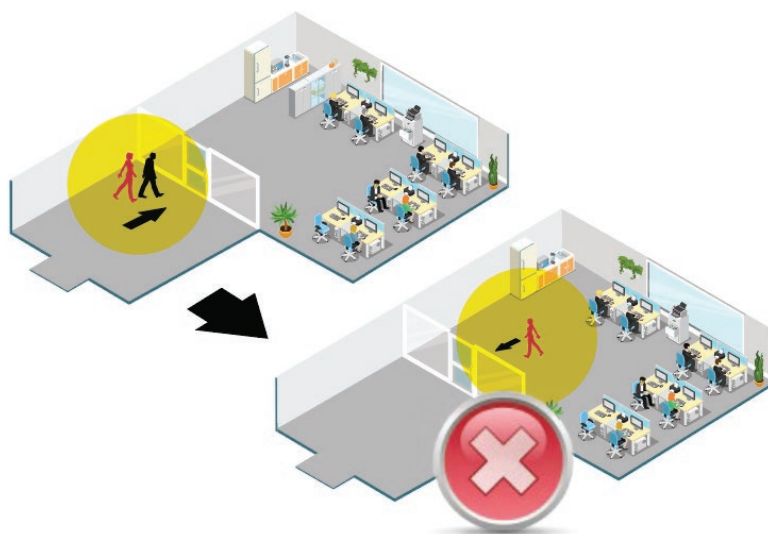
While most of algorithms only support 15-degree angle facial recognition, ZKBioFace supports 30-degree angle facial recognition.





## Global anti-passback

Global Anti-Passback is an advanced security function extending security level towards unregistered access. If any person enters the security area without authentication including tail-gating just like the red colored person in the image below, then that person will be locked up in the security area, even if the person has the access rights.



**All Personnel**  
**Just Selected Personnel**  
**Exclude Selected Personnel**

### All Personnel:

Global Anti-Passback will be applicable to all people

### Just Selected Personnel:

Anti-passback is only effective for the selected personnel

### Exclude Selected Personnel:

The anti-passback is only effective for people who are excluded from the selected personnel list

## Global interlock

Global interlock is another advanced security function that enhances security level by interacting with different security areas. It prevents persons from opening more than one door at a time even if the persons have multiple door access authorities. It is also able to precisely appoint access authorities including activations of access authorities of specific doors only when the correlated doors are locked up properly.



**Elevator Activated**  
**Card Readers Activated**  
**Fingerprint Activated**



**Elevator Deactivated**  
**Card Readers Deactivated**  
**Fingerprint Deactivated**



## Visual attention detection for X-Ray machine

X-ray-aided screening systems are one of the most commonly adopted security measures at checkpoints and building entrances for decades. Yet, inspectors who are employed to screen the personal belongings through the system's monitor and further initiate more thorough security checks (e.g. hand searches) at the point of visual inspection may not be always paying attention to the images displayed on the monitor. ZKTeco has developed a function which helps determine if the inspector is looking at the monitor. If not, the system will alert you until the inspector faces the monitor again.



ZKTeco could make sure the inspector is looking at the monitor.

Alert! Alert! Alert!



If the inspector is not looking at the monitor, the system will alert you until the inspector faces the monitor again.

## Energy saving for X-Ray machine

The machines are energy-efficient. The X-ray generator is only activated when the sensor identifies an object's presence on the conveyor belt; otherwise, the conveyor belt will stop moving.

If there is no luggage on the conveyor belt, the machine will stop operating.

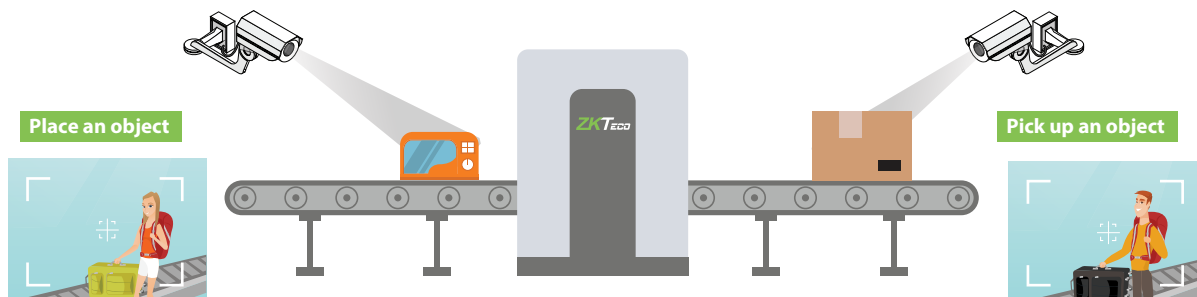


If there is luggage on the conveyor belt, the machine will operate automatically.



## Who picks up the luggage?

The system will take pictures for records when a traveller placed his/her luggage on the conveyor belt from one side and when he/ she picked up the luggage from the other side to ensure each traveller collects his/her own belongings.



Place an object



Capture the moment when a person places an object on the conveyor belt.

Pick up an object



Capture the moment when a person picks up an object on the conveyor belt.

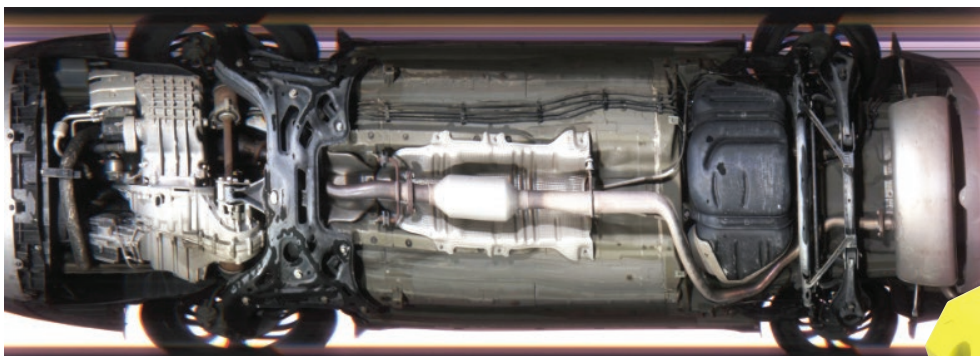
## Smart parking lock

Plock 2 disallows drivers to park at a specific parking spot unless the vehicle has the authority to get access to the parking lot. The arm of Plock 2 can rotate back and forth when the parking lock receives signals from the sensor.



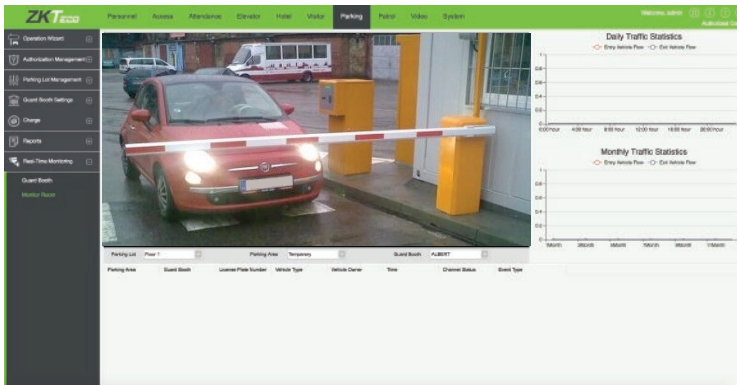
## Inspection of chassis

Such inspection is to detect threats such as bombs that can easily be hidden underneath vehicles. As a vehicle arrives the checkpoint and gets over the imaging unit, cameras installed will capture images of the undercarriage and transmit them to the control unit which displays them on a monitor. It can be located in close proximity to the checkpoint or the exit area.



ZK-VSCN100  
Portable chassis inspection system

## Real time parking lot monitoring



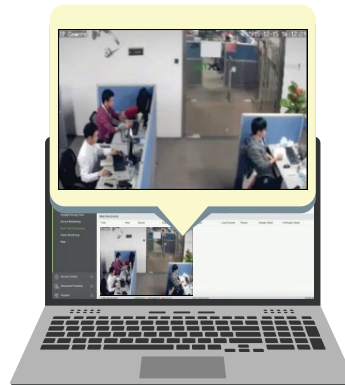
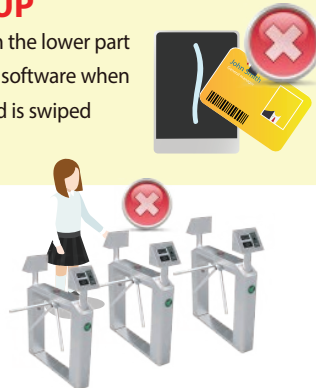
It provides an additional function for administrators to have a real time monitoring in the monitor room. You can check video images and information of entrances and exits of all guard booths in all parking lots.

## Global linkage - monitoring video pop-up

The security linkage system comprises a video monitoring system. When there is an exceptional event, including a swiping of an unauthorized card on the card reader, monitoring video will pop up to warn administrator. Video length could be up to 180 seconds.

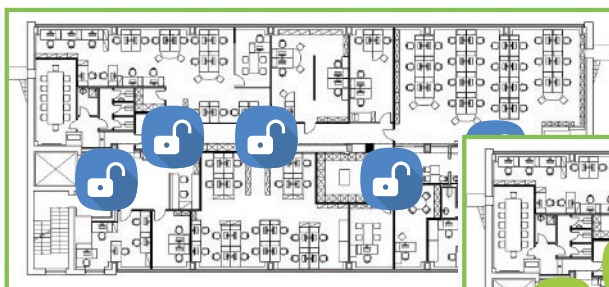
### Video POP UP

This video appears in the lower part of the ZKBioSecurity software when an unauthorized card is swiped on the card reader.



## Limit entry by time zone

As an administrators you may define active time periods of the access control on specific days. For example, you may disallow access on public holidays. ZKBioSecurity is a good access control system which can let you do that.



Monday - Friday



Saturday - Sunday



# ZKTeco Finger Vein Technologies

## The Most Secure Biometric Technology

### What is Finger Vein Recognition?

Finger vein recognition is a method of biometric authentication that uses pattern-recognition techniques based on images of human finger vein patterns beneath the skin's surface.



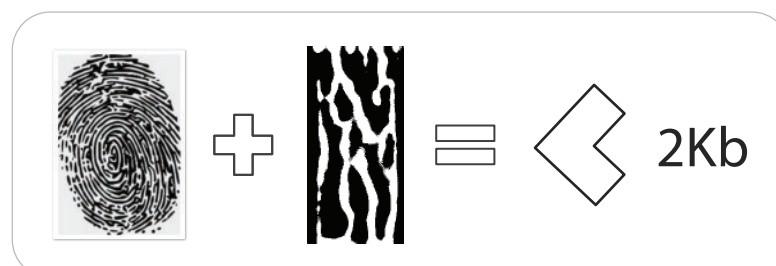
### Main Features Of Combining Fingerprint And Finger Vein Technology

1. Since finger veins are covered by skins and invisible to human eyes, there are lower risks of spoof or duplicated vein features, and it is even lower of the combination of fingerprint and finger vein features, which provide higher anti-spoof ability;



2. Suitable for large-scale users: the combination of fingerprint and finger vein verifications can reduce rejection and failure of verification and enables applications with a large number of users;

3. Small Storage Space Required: the template of fingerprint and finger vein is lower than 2Kbyte.





All in One Solution



## Features:



Web Based Platform



All-In-One Solution



Many Doors  
Management Capacity



Neat and Tidy, Simple  
User Friendly UI



Email Notifications



Data Auto-Backup  
Function



Support 3rd Party  
Video Device



Global Anti-Passback  
and Linkage



Huge Data  
Processing Capability

## All In One Web Based Security Management Solution



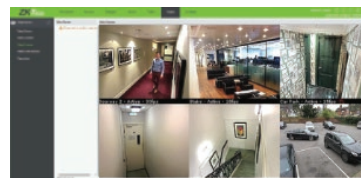
HTTPs Web Security  
Protocol



Accurate Check for  
Innate Location



Precise Real Time  
Monitoring



Video Surveillance  
Module  
(Fully Support HIK Vision/  
Dahua and ONVIF)



Jail Location E-map  
(Adjustable)



Elevator Control

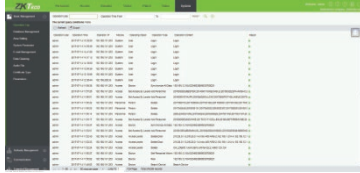


Access Control Linkage  
With Multi Modules  
(Video Surveillance, Alarm, Elevator)



Full Functioned  
Visitor Module

### HTTPs Web Security Protocol



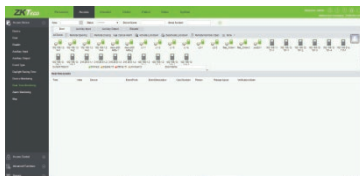
- SSL/TLS every Encrypted
- Protect for eavesdroppings and man-in-middle attacks

### Accurate Check for Innate Location



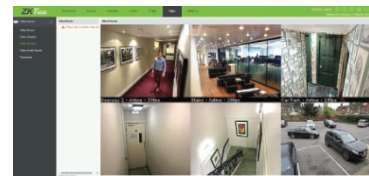
- Able to check who is inside in particular area
- Check for the last access location

### Precise Real Time Monitoring



- Flexible and expandable design
- Remote opening and closing lock down control
- Pop-up alarm notification
- Automatic determine who is/ are inside the specific area

### Video Surveillance Module



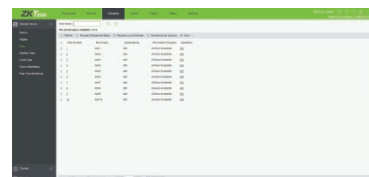
- Fully Support ZKTeco, HIKVision and Dahua video surveillance
- Support ONVIF
- Interactive with access control and elevator system with various output options
- Up to 30sec pre-event recording function

### Jail Location E-map (Adjustable)



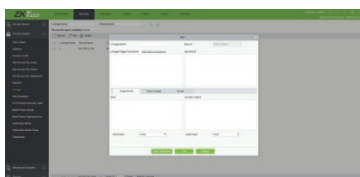
- Support multiple floor location display
- Support device status notification
- Drag and drop layout designing
- Real time monitoring

### Elevator Control



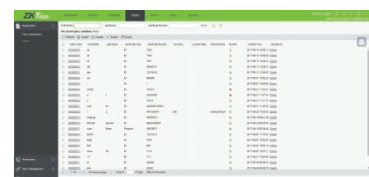
- Support up to 50 Floors
- Support multiple access authority setting
- Multiple event type can be defined

### Access Control Linkage With Multi Modules



- Support multi module linkage
- Access control, video surveillance and elevators
- Support more than 100 linkage combinations
- Support email notification for all events
- Support unlimited email accounts

### Full Functioned Visitor Module



- Online Registration
- Support OCR and USB Camera
- Visitor Time Schedule Setting
- Detail Visitor's Report





Your Trusted AI Biometric Identification Technology

