Self-service Visitor Registration & Access Control Management Solution

ZKTeco Self-service Visitor Registration and Access Control Management Solution is based on FaceKiosk Service and ZKBioSecurity ISP Visitor Module to offer easy, convenient and efficient visitor registration and access control. 3 methods of visitor access are available including Online Pre-registration, On-site Self-service Registration and Direct Access for different needs. It offer various benefits including reduced costs and human resources, increased efficiency and security of access control and customers' data for marketing use.

What self-service visitor management is

ZKTeco's visitor self-service management solution is designed to provide a fully automated unmanned visitor registration and door access, temperature screening experience, ultimately enhancing working efficiency.

This solution is built on the high-level integration between ZKTeco's software and hardware, as ZKTeco is an end to end solution provider, which can ensure system stability and sacailibity.

Temperature screening	Facial recognition	Visitor Ticket Printing	Scanning QR Code

How does self-service visitor management work?

Conventionally, visitor management is administered by the reception counter, the visitors are required to spend minutes filling in their personal information manually at the entrance before access to the office.

With the help of the Facekisok terminal and ZKBioSecurity ISP, ZKTeco offers a visitor registration process that can be completed in seconds or less, by using new technology, such as online pre-registration, QR code, facial recognition.

Self-service visitor management options

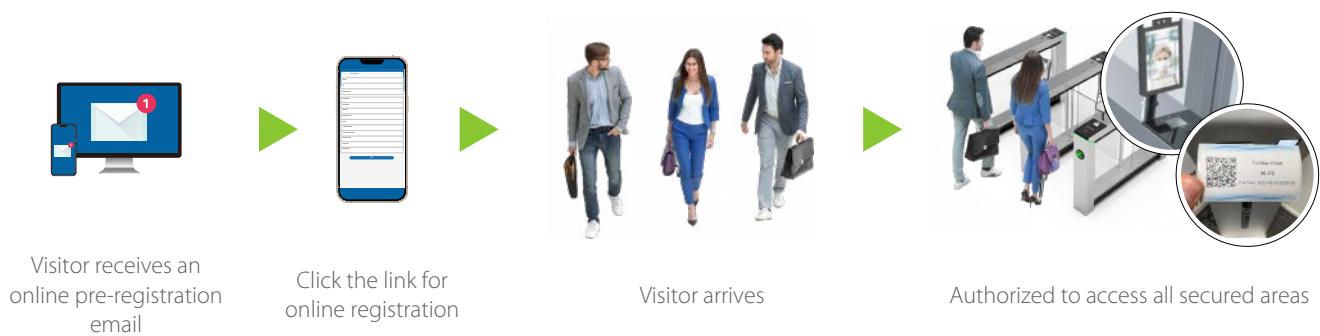There are 3 types of self-service visitor management options.

1.) Online pre-registration
2.) On-site self-service reservation
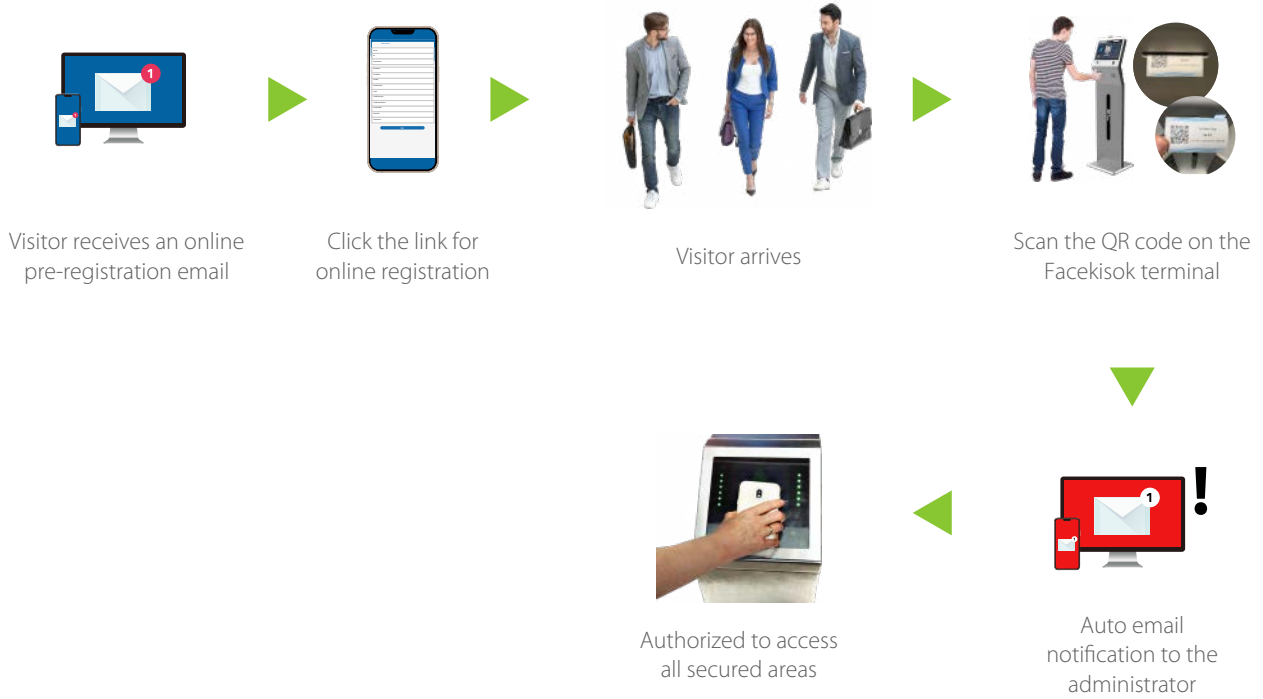3.) On-site self-service identity verification

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Online Pre-registration

Invited visitors may click the hyperlink sent via email or SMS for self-registration. After successful registration, ZKBioSecurity ISP will automatically send back the access QR code generation link via email for visitor to enter secured area.
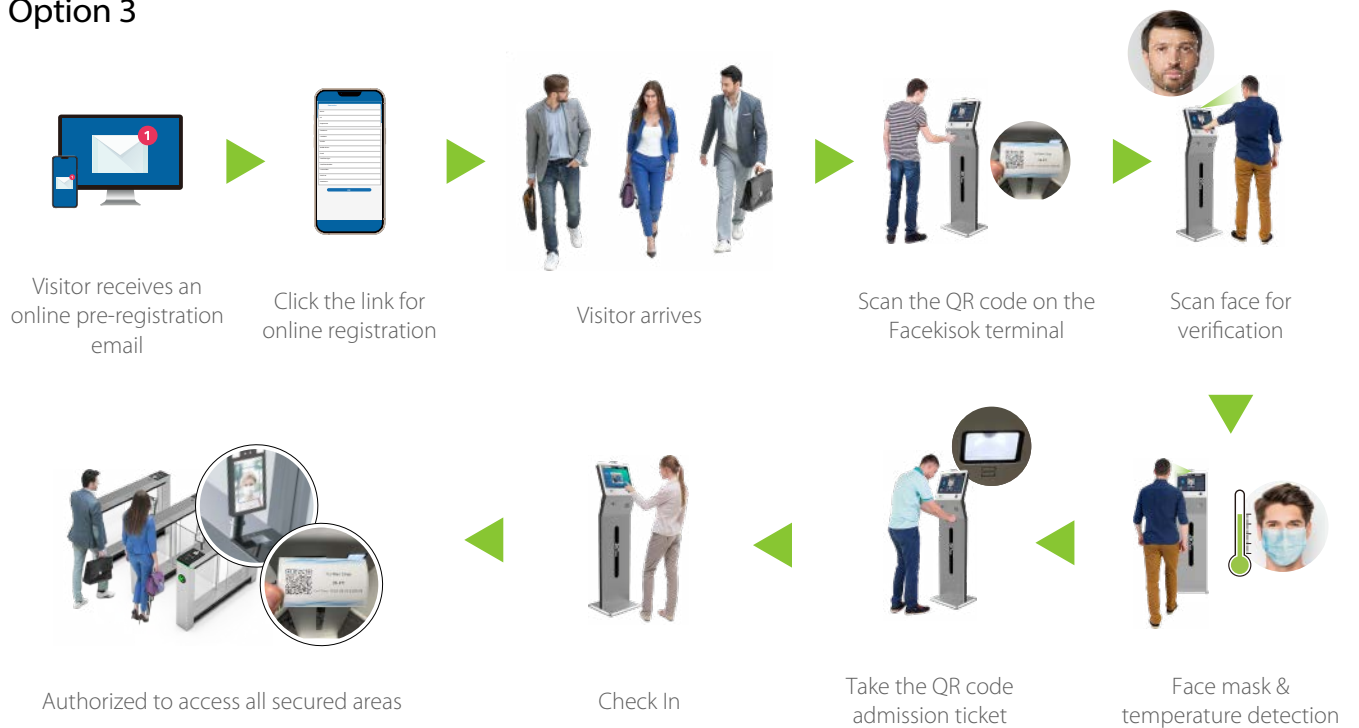
Option 1

| Visitor receives an online pre-registration email | Click the link for online registration | Visitor arrives | Authorized to access all secured areas |

Option 2

Visitor receives an online pre-registration email

Click the link for online registration

Visitor arrives

Scan the QR code on the Facekisok terminal

Auto email notification to the administrator

Authorized to access all secured areas

Option 3

Visitor receives an online pre-registration email

Click the link for online registration

Visitor arrives

Scan the QR code on the Facekisok terminal

Scan face for verification

Face mask & temperature detection

Take the QR code admission ticket

Check In

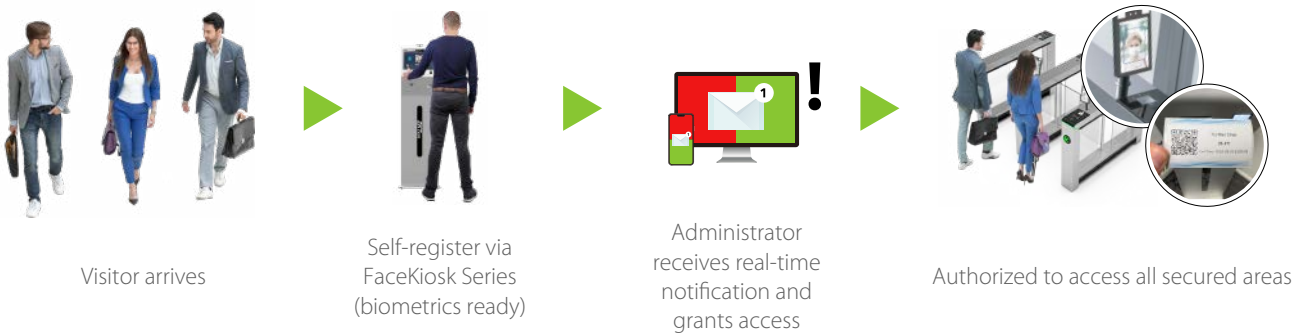Authorized to access all secured areas

On-site self-service reservation

Upon arrival, if no reservation is made, the visitor may complete the self-reservation & self-registration(QR code / facial recognition) on FaceKisok, and the administrator will receive the real-time notification to grant access right.

Furthermore, with facial recognition and mobile QR codes as credentials, FaceKiosk also supports QR code admission ticket printing. Same as other credentials, with successful verification of admission ticket, visitors may access the authorized area like offices, elevators and meeting rooms etc.

Option 1

Visitor arrives → Self-register via FaceKiosk Series (biometrics ready) → Administrator receives real-time notification and grants access → Authorized to access all secured areas

Option 2

Visitor arrives → Self-register via FaceKiosk Series (biometrics ready) → Face registration for facial recognition access → Declare health condition and check temperature → Administrator receives real-time notification and grants access → Authorized to access all secured areas

Option 3

Visitor arrives

Self-register via
FaceKiosk Series
(biometrics ready)

Face registration for
facial recognition access

Declare health condition and
check temperature

Authorized to access all secured areas

Take the QR code
admission ticket

Administrator receives real-time
notification and grants access

Direct access

If reservation has already been made previously, within the period of authorization, visitors no longer need to register again. Visitor may direct access the secure area through pre-selected credential options (mobile QR code / QR code admission ticket/ facial recognition)

Visitor arrives

Authorized access to the permitted area(s).

Support functions

FaceKiosk-H13C has a range of module functions available on the basis of FaceKiosk series, including built-in RFID card module, facial recognition scanner and fingerprint scanner and body tempertaure sensor (optional) , which not only can verify user's identity through facial recognition but also fingerprint and smart card even hybrid verification.

In addition to collecting and verifying the identity information, it also supports ticket printing, QR code scanning and can be used as self-service visitor registration machine. Moreover, the hardware interface and diversified functions meet the different needs of different users in different scenarios.

FaceKiosk-H13C

Temperature Detection
Facial Recognition

MIFARE/ ELATEC   Finger Print

QR Code Printer   QR Code Scaner

· 13.3 inch touch Screen
· Android 5.1.1
· Capacity Face: 10,000
· Fingerprint: 10,000
· Card: 10,000
· Temperature Screening Distance: 30 ~ 50cm
· Temperature Screening Accuracy: ±0.3℃
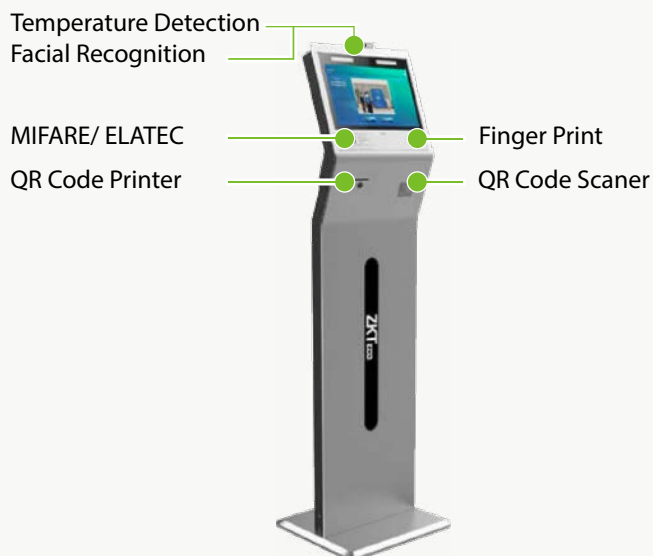
Advantages of using self-service management

Self-service for customers

• Contactless assistance
Through self-service, visitor are not required to go to reception for registration and can instead register on their own with the self-service portal, which is an online website for visitors or groups of people to do online pre-registration.

• Quick and 24/7 solutions
Self-service portal provides 24-hour supports and 7 days a week to visitors, anywhere at any time and visitor no longer need to wait for office to open to get the queries.

Self-service for customer service executives

• Address common queries with portal
Common and less complex queries can be solved through self-service on portal, customer service staffs do not have to worry about getting to a massive number of customers in a limited time.

• Reduce workload
With reduced registration time, the workload of staff is also reduced, customer service executives can concentrate on solving complex customer queries.

Self-service for enterprises
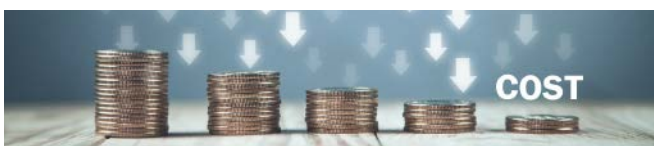
• Reduce cost of support
With ZKTeco self-service portal, enterprises do no need to employ extra personnel to answer common queries, and hence the return on investment on business is higher.
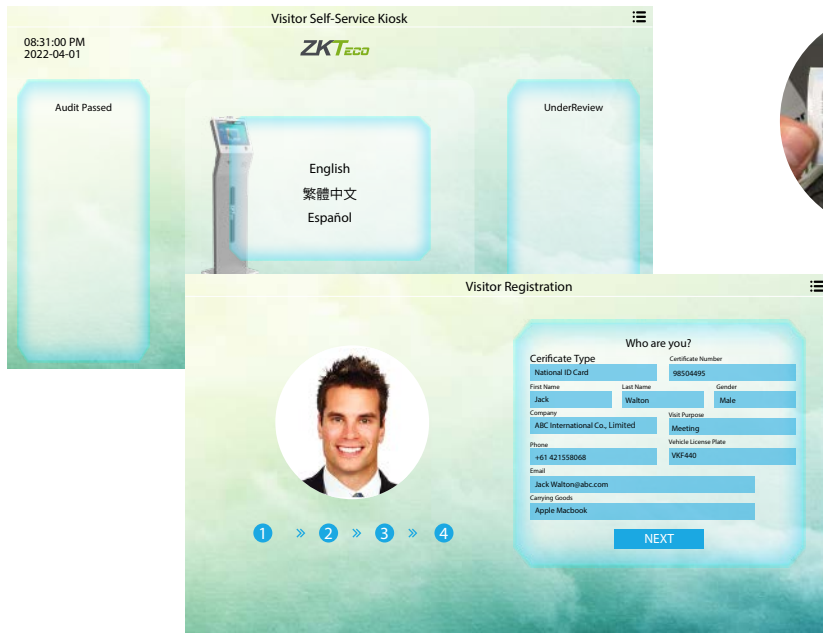

• Data gathering opportunities at portals
Customers' data collected by the system including access time and types of accessed can be flexibly used for business research of business and strategy planning.

Self-service pre-registration

ZKTeco provides self-service portal for visitors' online pre-registration. It enables visitors to complete the registration, temperature check and get QR codes for access through the gate and other devices.


Visitor Self-Service Kiosk

08:31:00 PM
2022-04-01

Audit Passed

UnderReview

English
繁體中文
Español

Visitor Registration

Who are you?

Cerificate Type
National ID Card

Certificate Number
98504495

First Name
Jack

Last Name
Walton

Gender
Male

Company
ABC International Co., Limited

Visit Purpose
Meeting

Phone
+61 421558068

Vehicle License Plate
VKF440

Email
Jack.Walton@abc.com

Carrying Goods
Apple Macbook

NEXT

① » ② » ③ » ④

Online self-service pre-registration

ZKTeco provides online self-service portal, which is an online website for visitor to do online pre-registration.

Reservation

Name

ID

Department

First Name

Last Name

Gender

Mobile Phone
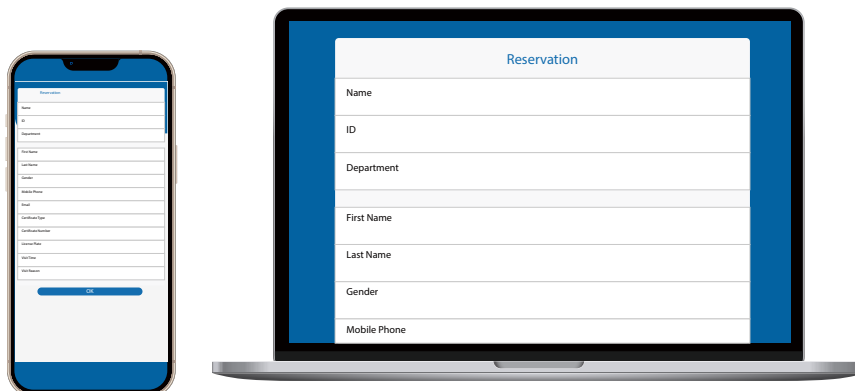
Facial Recognition Ready

Visitor can use the facial recognition function of FaceKiosk to capture the feature points of the face. If the facial recognition has already been recorded at the previous time, within the authorized period, visitors no longer need to register, instead they may simply go to the gate or access control for verification to obtain access.
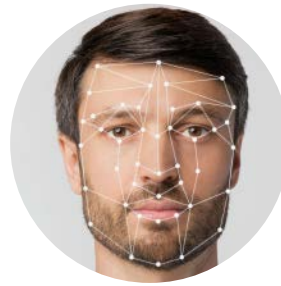
## Abnormal temperature alarm notification

Alarm and notification message will be sent to admin. staffs in case abnormal temperature of any visitor is detected. Notification message will be displayed indicating temperature exceeding limit.
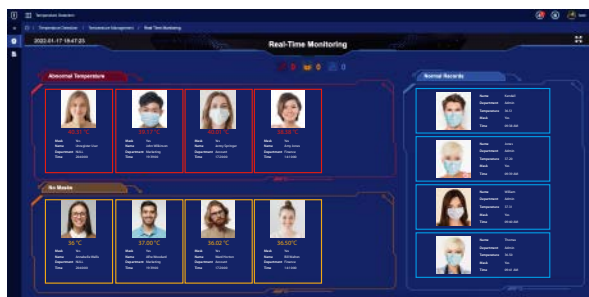
Real-time monitoring provides clearly visualized interface to detect all staffs or visitors' body temperature and masks with verification records in Faceekisok terminal.

People with normal temperature (masked / unmasked)
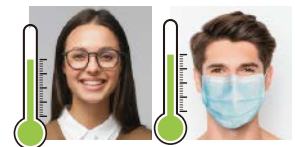
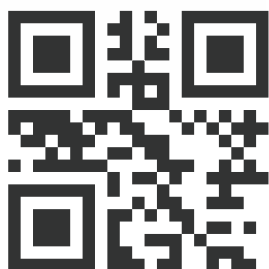**People with abnormal temperature (masked / unmasked)**
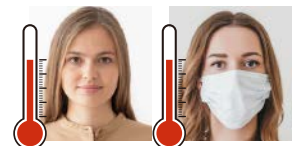
Admission ticket with QR code

QR codes make check-in quick and easy for visitors. ZKTeco FaceKiosk enables printing QR codes on admission ticket as the permission for visitors to enter the secured areas.

Scramble QR code

Mobile QR Code Check-in enables visitors to complete touchless check-in process, by utilizing their own mobile devices to scan QR codes for access of secured areas.

Scramble QR Code on mobile app for Better Security

In order to prevent unregistered people from gaining access by copying QR codes or barcodes without permission, the images of QR codes and barcodes in the URL can be set to dynamic (scramble), which means that the QR code images will be automatically changed in every 10 - 30s (adjustable). Administrators no longer need to generate new set of QR codes to update visitors' entry content anymore.

Automatically changed in every 10 - 30s (adjustable).

Declaration of health information

In order to prevent spread of virus, "Declaration of Health Information" function is available in the system. If activated, visitors must complete the health information declaration via Facekisok once they arrive the entrance of the office.

This function can be activated or deactivated in the visitor parameter.
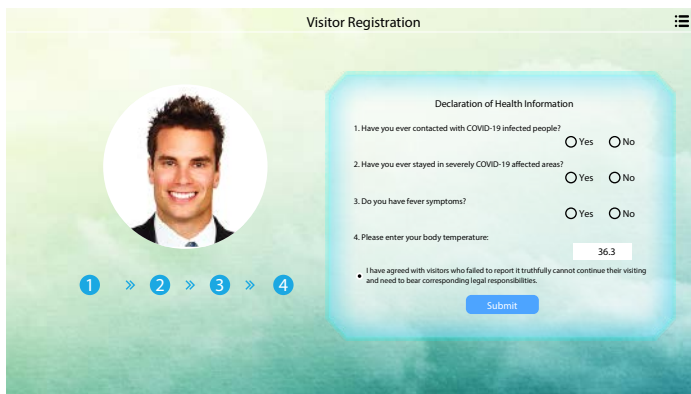
Visitor check out

ZKTeco's visitor solution enables visitor to check in as they arrive, and also check out as they leave. Visitor may simply click the check-out button on the "CHECK-IN &CHECK-OUT Interface", and once they have checked out, their visitor access authorization will be deleted automatically.
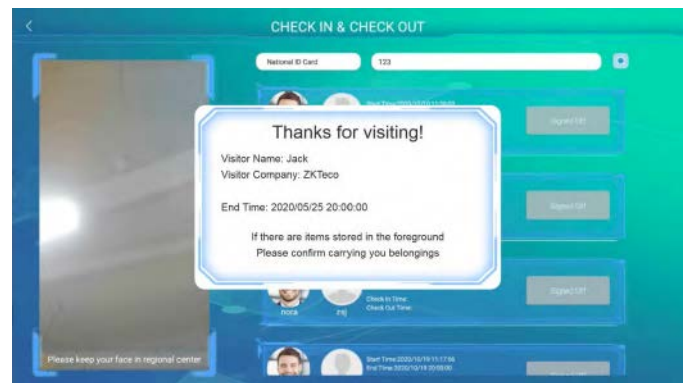
E-mail, WhatsApp, Line, Amazon SNS and SMS notification functions

During visitor registration, in case of overtime visits, visitor registration, overtime visitor registration, visitor checking out, monitoring lists, the system will deliver e-mail or SMS notification to visitors, recipients or managers in registration site. SMS and e-mail templates support customization, templates with different contents, delivery rules and recipients according to conditions can be customized. If it is set to deliver in day of visit, all notifications will be delivered to the specific recipients on specific time.
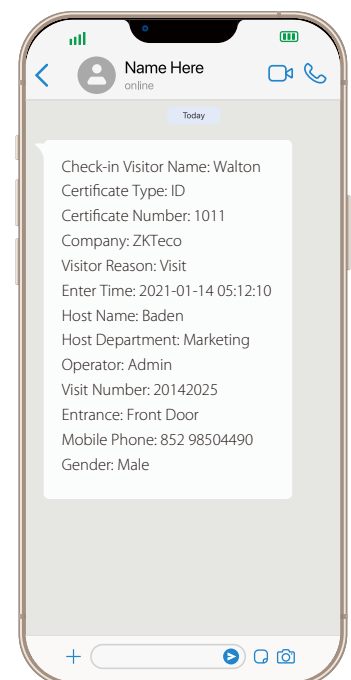
Email	WhatsApp	Line	Amazon SNS	SMS

If there is an overtime visit, the system will deliver e-mail or SMS notification to visitors, recipients or managers in registration sites.

Check-in Visitor Name: Walton
Certificate Type: ID
Certificate Number: 1011
Company: ZKTeco
Visitor Reason: Visit
Enter Time: 2021-01-14 05:12:10
Host Name: Baden
Host Department: Marketing
Operator: Admin
Visit Number: 20142025
Entrance: Front Door
Mobile Phone: 852 98504490
Gender: Male

## Supports OCR Integration for identity document reading

During visitor registration, it supports one-click capture of users' portrait image, passport photo and saving, and uses OCR function to automatically read identity document (identity card, passport etc.) and fill in effective information to actualize quick registration.
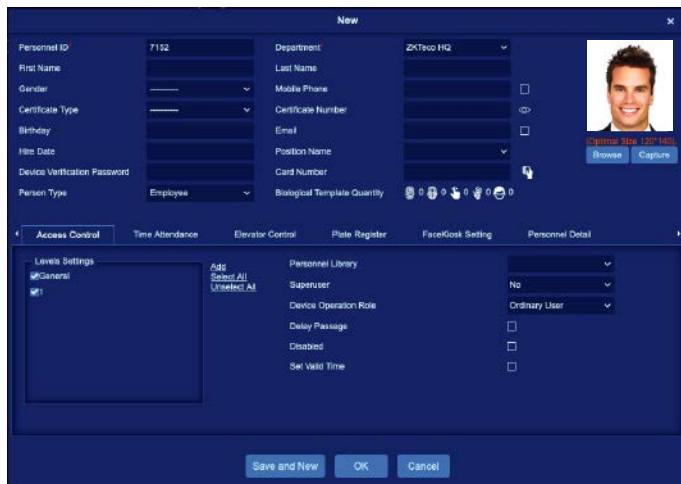
OCR / ID Reader

• **Passport + OCR Recognition**

OCR function automatically reads identity document and able to recognizes over 190 countries' passports and identity documents, and automatically fill in relevant visitor information.
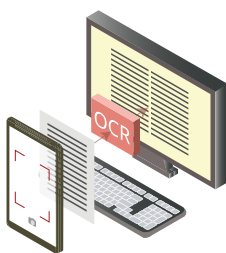
• **User's Portrait Capturing or Uploaded**

One-click capture of employees' portrait image and ID readers supports partial countries' identity documents (Passport/ ID/ Driver License), and automatically fill in relevant visitor information.
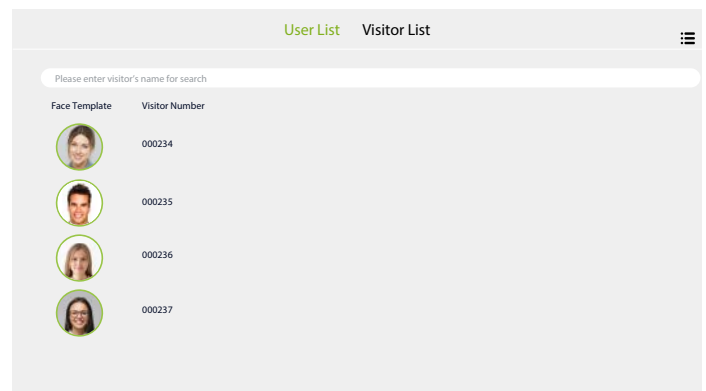
OCR

ID Reader

Personnel Trajectory

ZKBioSecurity ISP reads images, has an ability to identify human faces and form a fundamental face characteristics analysis, and match them in database. Admin may just simply go to the image section and upload images; the system will therefore use the provided images to match images and video information in recorded footage.
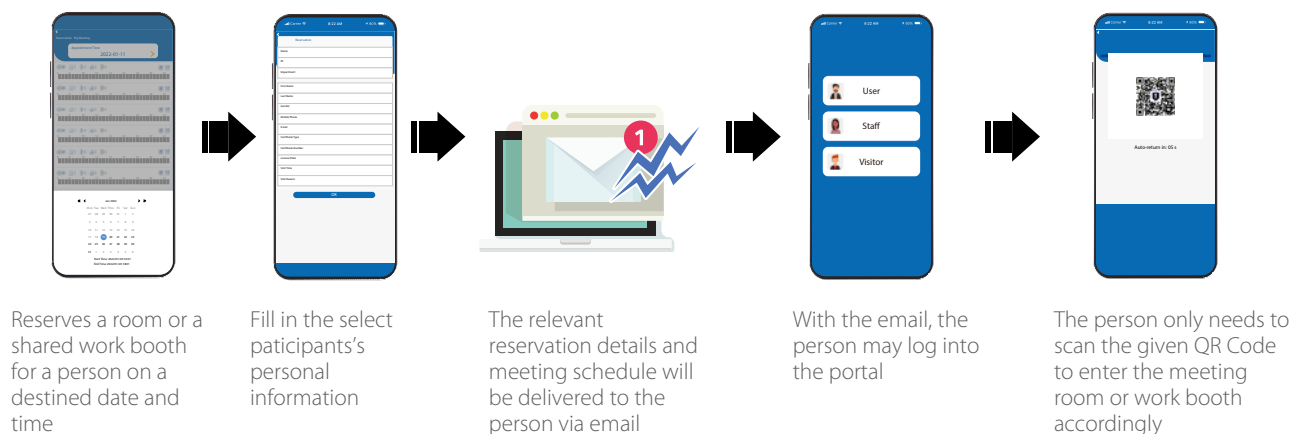
User management

Admin can select the user management function in kiosk. The user list shows the basic information of all visitors including names, personal information and face images.

	User List	Visitor List	
Please enter visitor's name for search			
Face Template	**Visitor Number**		
	000234		
	000235		
	000236		
	000237		

Combing QR code in booking system

By combining room management and QR code function, ZKBioSecurity ISP provides users a simple method to authorize access to their guests and visitors by generating accounts and QR codes for their access to specific areas.

The function of meeting room reservation allows you to use the QR code to enter any meeting room on the display of the reservation section by the start time and end time, suitable for their needs quickly and easily through the web browser.


| Reserves a room or a shared work booth for a person on a destined date and time | Fill in the select paticipants's personal information | The relevant reservation details and meeting schedule will be delivered to the person via email | With the email, the person may log into the portal | The person only needs to scan the given QR Code to enter the meeting room or work booth accordingly |

High-security mechanism
TLS1.2 and powered by RSA2048 & AES256 encryption

Increase security with TLS1.2 and powered by RSA2048 and AE256. TLS1.2 is a method to achieve secure communication over an insecure channel by using a secret key exchange method, an encryption method, and a data integrity method. AES 256 Encryption which is a strong and robust encryption standard that is commercially available today. With a key length of 256 bits, it supports the largest bit size and is practically unbreakable by brute force based on current computing power.


H5 web application for visitor use

With Mobile H5 on web browser, it is convenient for users to view the status of use of shared workspace and conference rooms, without download app for reservation.
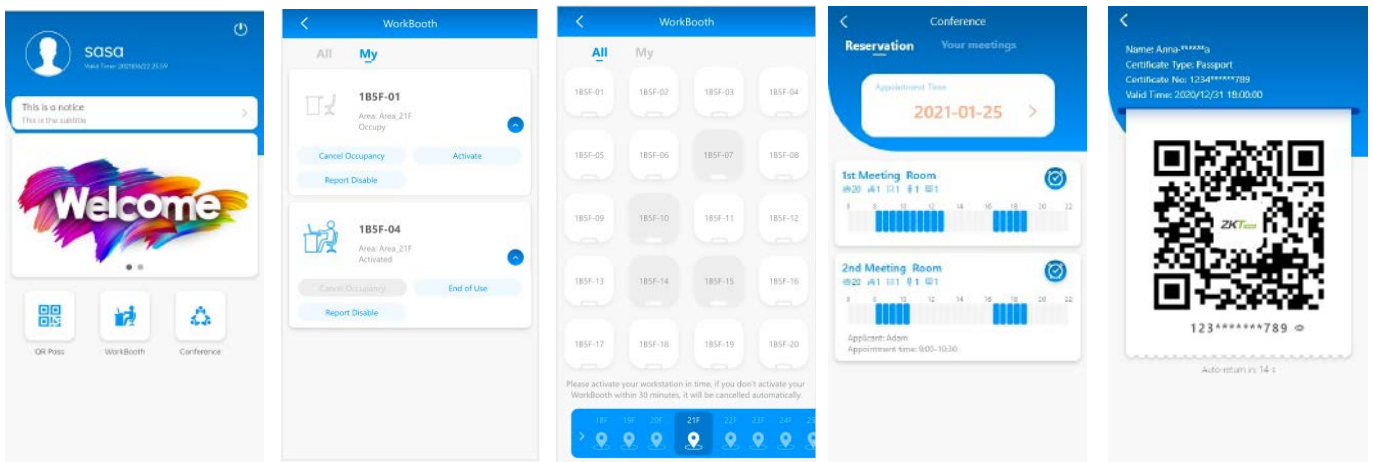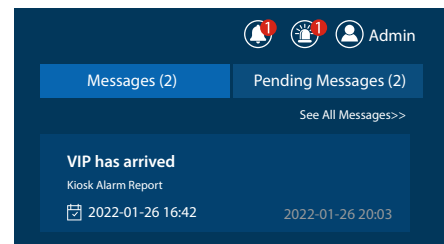
Allow list

ZKBioSecurity ISP not only allows Admin to create allow list and rules for people who can go through whatever gate, but also gives Admin notifications when they arrive at specific areas.
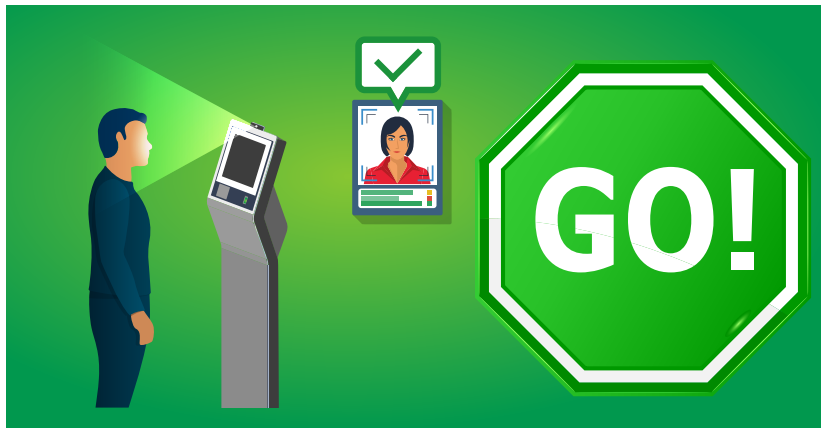

For example, for VIPs and boss, you can do this with the whitelist notification system via ZKBioSecurity ISP, by just simply uploading their images in the system, once they arrive at the surveillance area, they will be detected, and notifications will pop up and appear on screen.

Block list

The Blocklist helps admin to screen and reject people to go through the gate, and if those people are block listed, once they arrive the surveillance area, alert message will pop on screen.
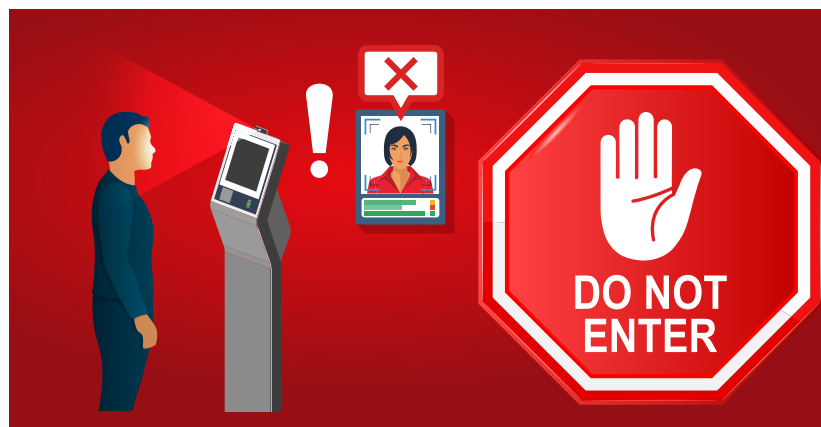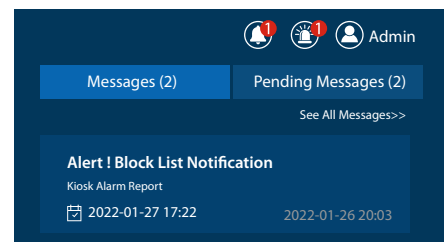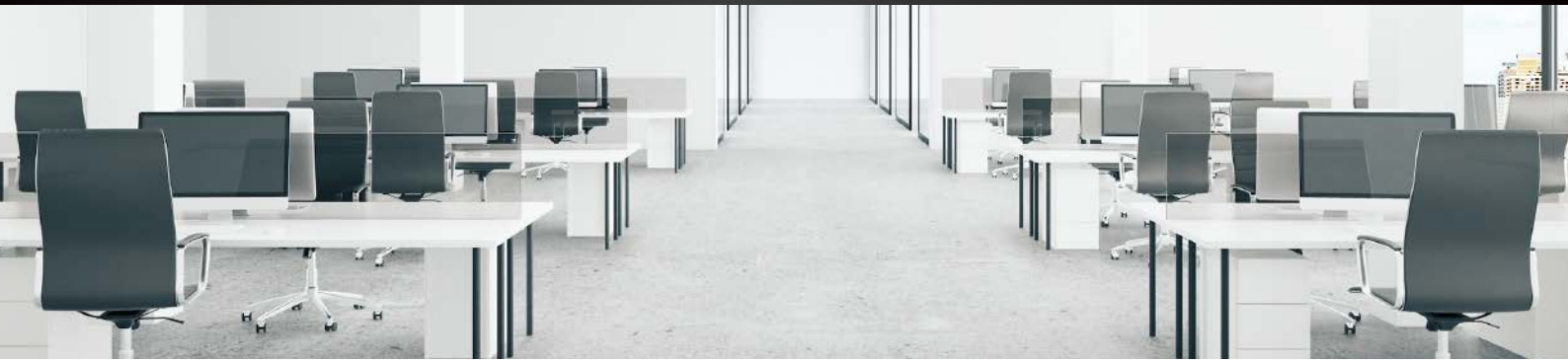

For example, if a visitor is blocklisted, he or she thus will be disallowed to enter the building, admin will also be notified through the system of ZKBioSecurity ISP.

Supports ZKBioSecurity ISP

ZKTeco self-service visitor registration & access control management solution enable user to perform specific task by the "All-in-one" web-based security platform ZKBioSecurity ISP which is developed by ZKTeco. It contains various module, Personnel, Access Control, Time & Attendance, Elevator, Visitor, Parking Management, Video Management System, Office, Fire Alarm, FaceKiosk, Temperature Detection, Defence, Data Centre and System Management. Each of which module accomplishes one function and some module allows to communicate with other module, act as a linkage to share data for admin's action.

Personnel	Access	Attendance	Elevator	Visitor	Parking	Video
Office	Fire Alarm	FaceKiosk	Temperature Detection	Defence	Data Center	System

System Architecture

ZKBioSecurityISP

Self-Service Kiosk | Entrance Gate | Elevator Control | Access Control | Access Control

G4 (QR) | EC10 | G4 (QR) | InBio Pro

Mars Pro Series | EX16 | QR5000

Exit Button | Exit Button

Magnetic Lock | Magnetic Lock

ZKTeco Products Applications

ZKTeco's touchless biometric solution is a good fit for this situation that is preventing people or patients from touching the door handle. The solution has been widely used in many practical scenarios, including hospitals, educational institutes, factories, construction sites, shopping malls, IT parks, public transportation, banks, business organizations, small to medium enterprises, government organizations and so on.

Hospitals

Educational Institutes

Factories

Construction Sites

Shopping Malls

IT Parks

Public Transportation

Business Organizations

Small to Medium Enterprises

Banks

Government Organizations