

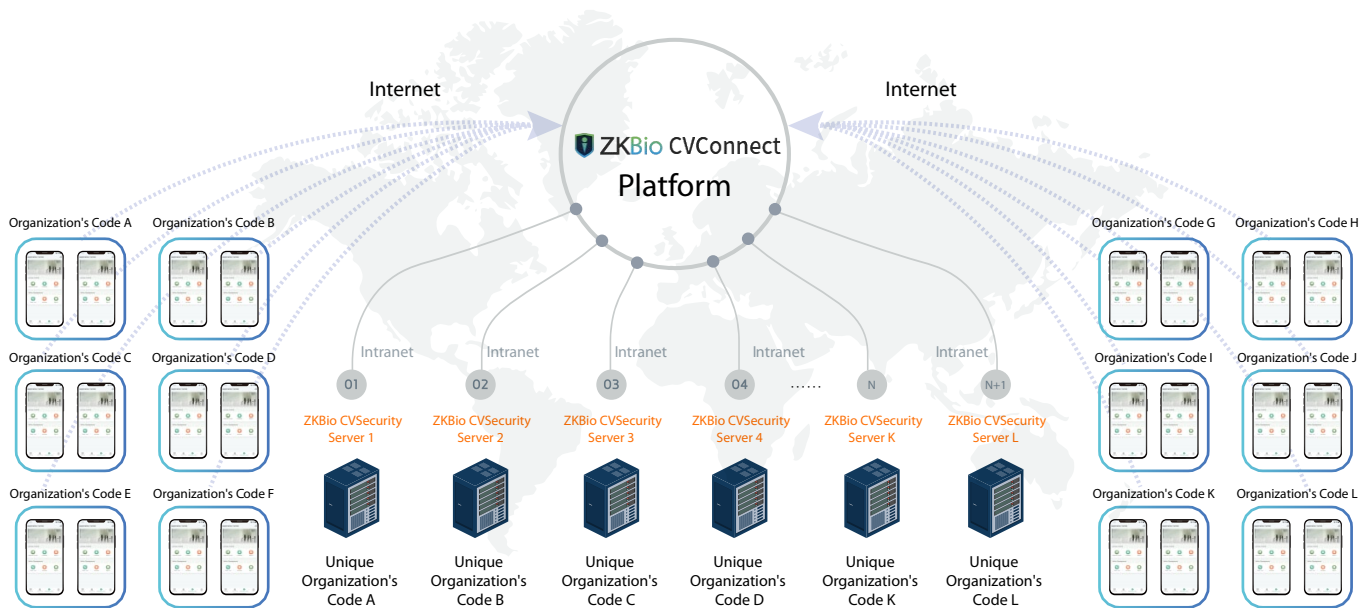
ZKBio CVSecurity

ZKBio CVConnect Platform



Introducing ZKBio CVConnect: Secure Middleware for Seamless Access to Internal Applications

ZKBio CVConnect is a subsidiary service of Minerva IoT that functions as middleware and a communication medium. It enables quick, easy, and secure access to applications within your internal network (such as ZKBio CVSecurity) from external sources like mobile apps.



Advantages of using ZKBio CVConnect Platform

- **Higher Stability**

As Minerva IoT cloud is founded on Amazon Cloud, which is the biggest cloud provider in the industry, and have ten of thousands of server on every corner on earth.

- **Higher Security**

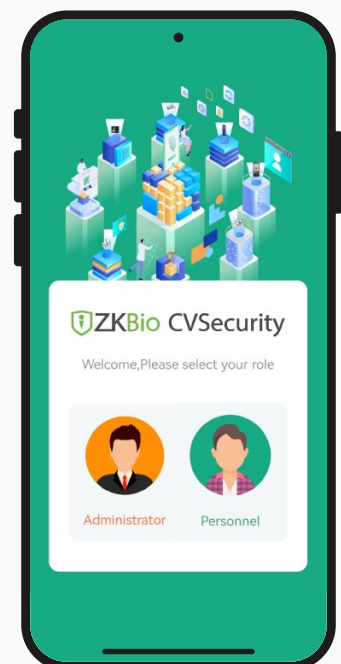
As Minerva IoT are developed as a cloud platform, therefore it has more cyber security measures for internet access.

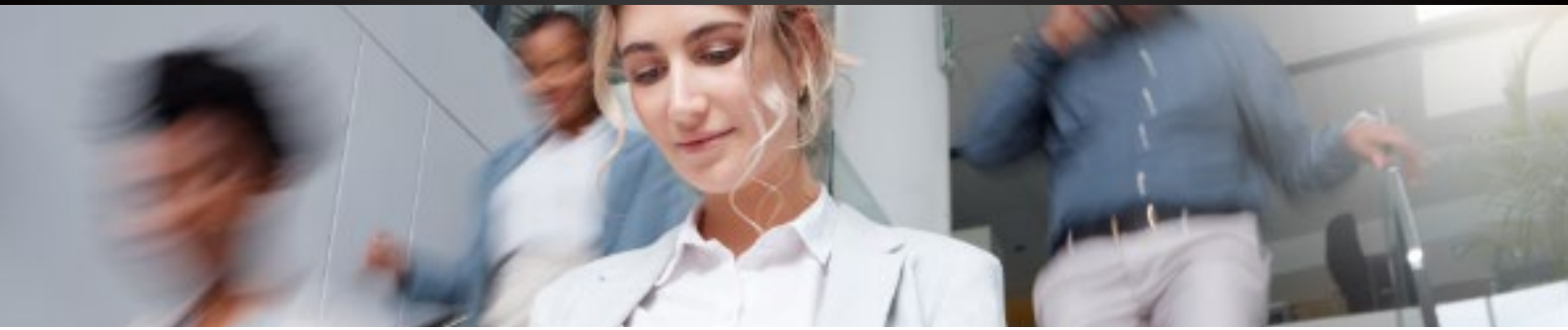
- **Higher Scalability**

As this is a cloud based platform, it can supports up to almost unlimited users and devices.

- **Higher Speed**

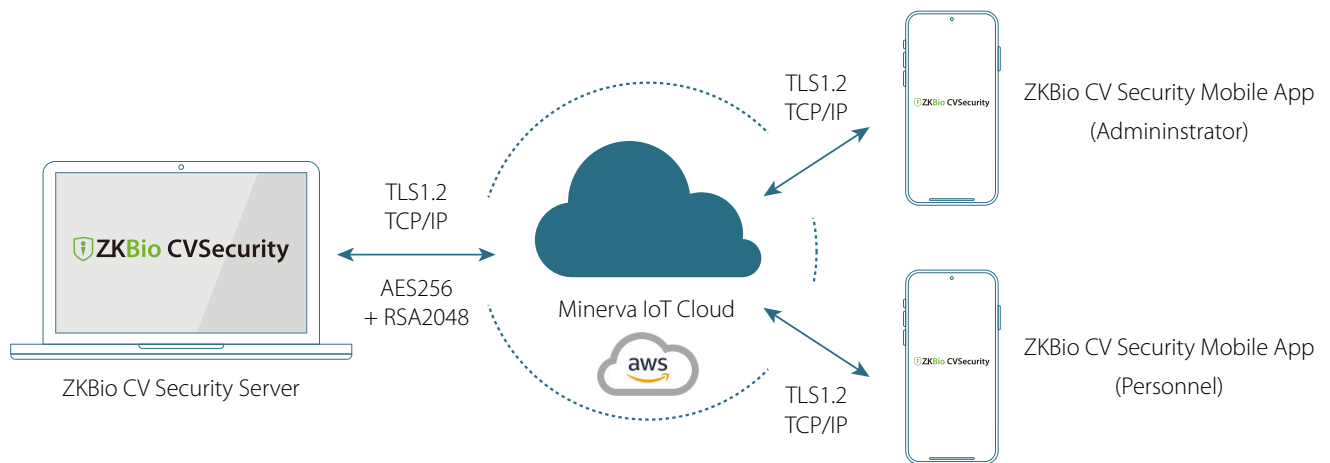
As Minerva IoT cloud is found on Amazon Cloud, this can offer higher connection speed than the ZKBio CVSecurity server by using a common commercial internet connection.





Cyber Security Measures

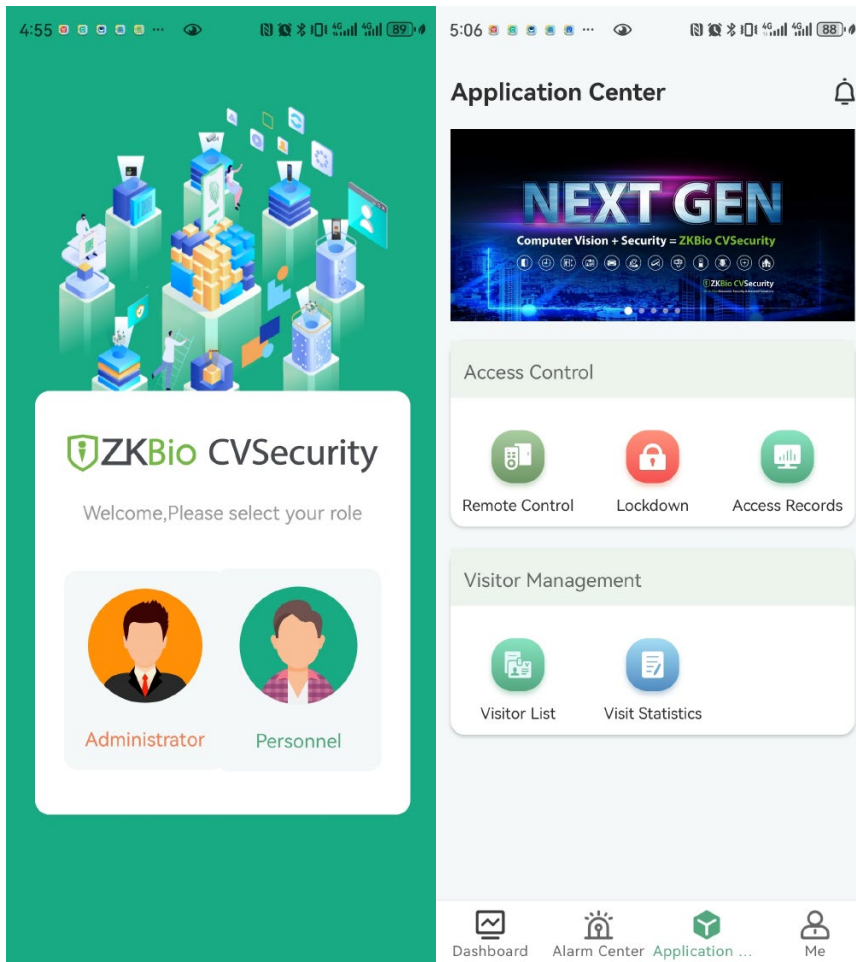
- ZKBio CVSecurity Server and Minerva IoT Cloud communication channel is encrypted with TLS1.2 and the data is encrypted with AES256 and RSA2048 encryption standard.
- Minerva IoT Cloud to mobile app communication is encrypted by using TLS1.2 encryption standard.

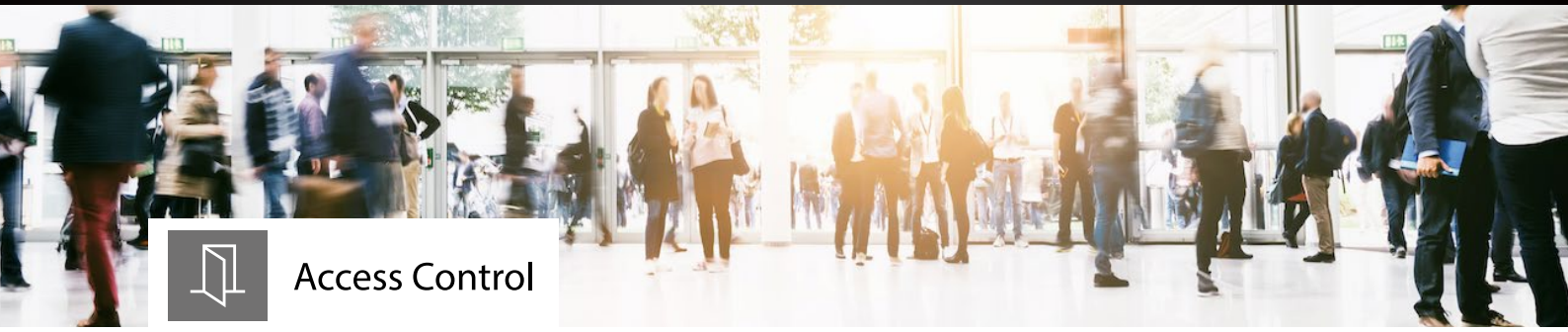


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Administrator



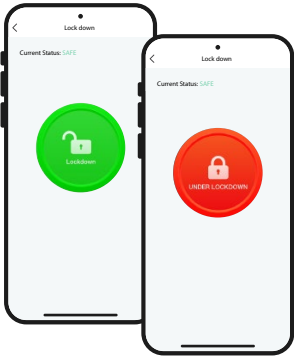


Access Control

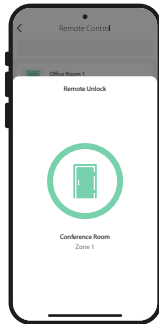
Remote Open and Remote Lockdown and Remote Cancel Alarm

When the admin user using this mobile app, the admin user can remote open or lockdown the door through the Internet connection, and all the remote open and lockdown function is real-time

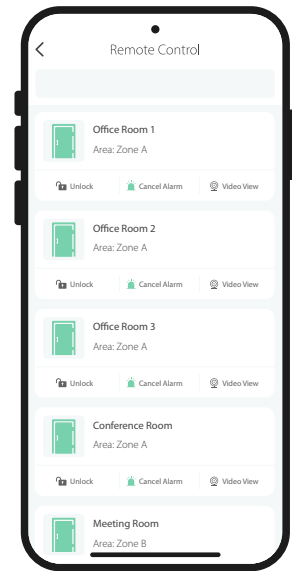
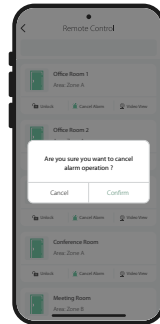
Remote Lockdown



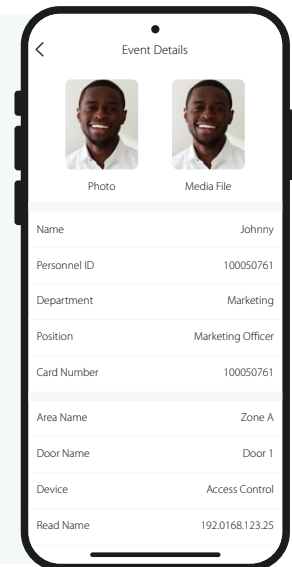
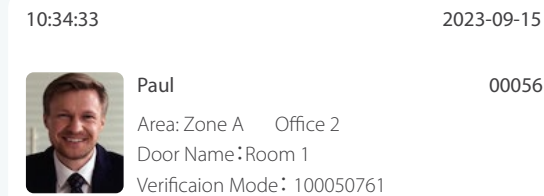
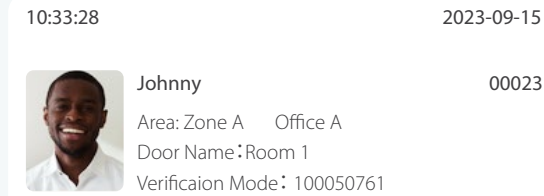
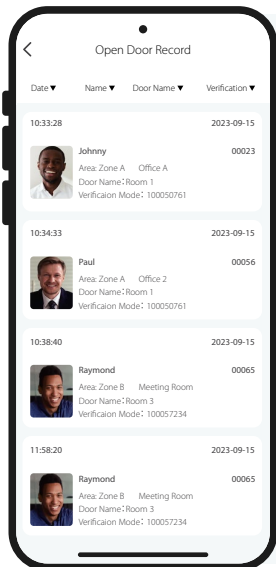
Remote Open

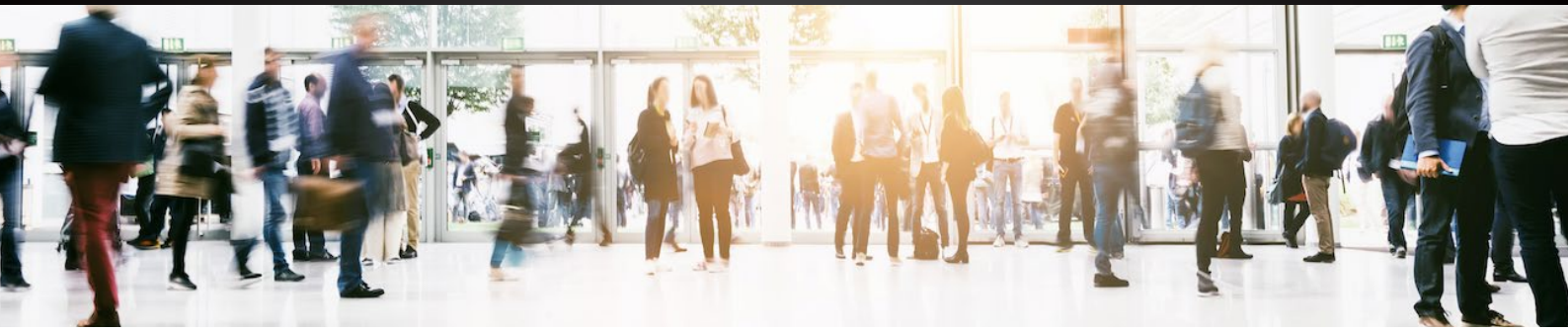


Remote Cancel Alarm



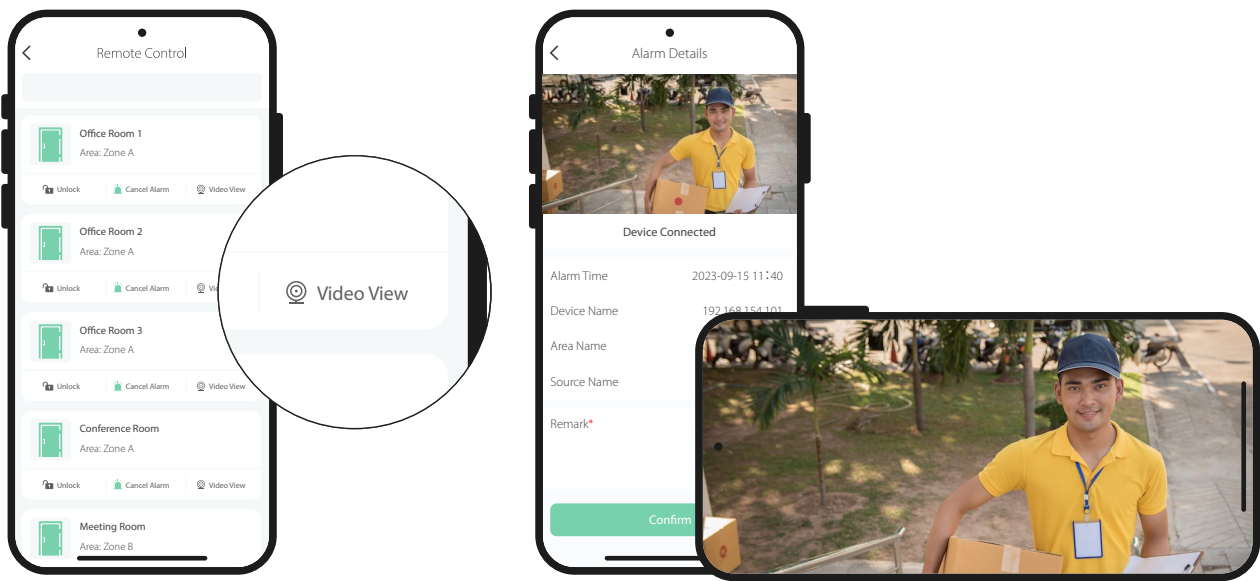
Beside those functions, user can also check out all the operation logs,





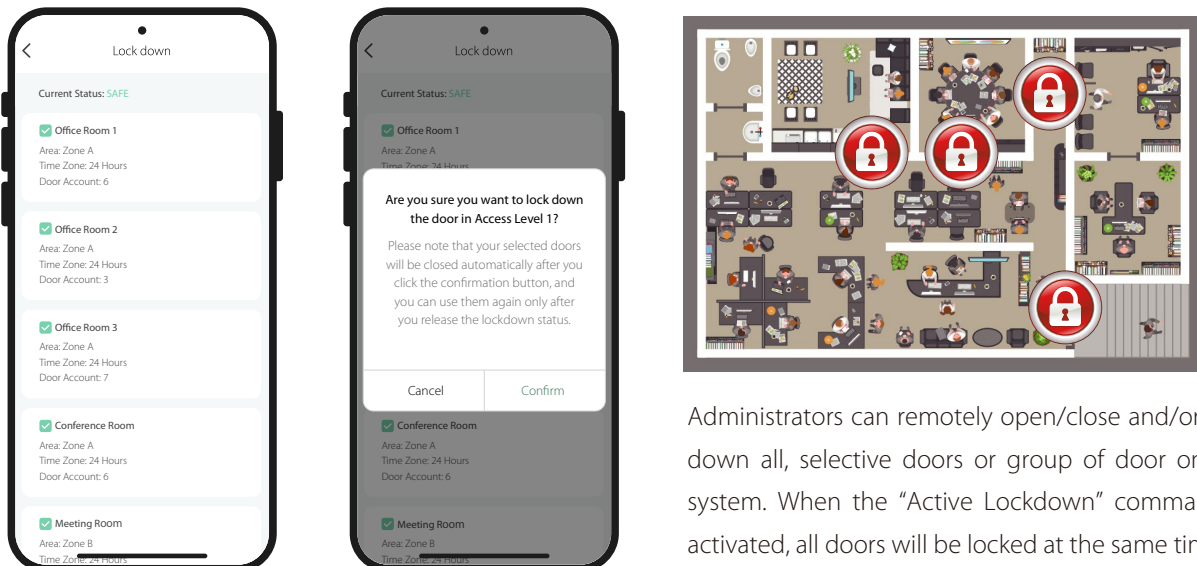
Real-Time Monitoring of Entry and Exit Points

It provides an additional function for administrators, enabling real-time monitoring in the control room. This allows you to check video images for entrance and exit information at all doors



Remote Lock-Down

ZKTeco offers an emergency contingency mechanism. Administrators can preconfigure emergency response groups. When abnormal situations arise, administrators can select the corresponding response group and, with a single click, lock down the doors within that response plan.



Administrators can remotely open/close and/or lock down all, selective doors or group of door on the system. When the "Active Lockdown" command is activated, all doors will be locked at the same time



Visitor Management

Online Visitor Registration

The Admin user can help the visitor to complete the registration, and this will cut all the approval procedures, after the admin user complete the registration, the visitor will automatically receive the confirm email, and using the scramble QR in the HTML5 link to access.

The image shows a smartphone screen displaying a registration form titled "Add Visitor". The form is divided into three sections: "Visitor information", "Respondent Information", and "Access Details".

Visitor information	
First Name	John
Last Name	Wilkinson
Email	J.Wilkinson@gmail.com
Mobile Phone	0421558068
Certification	ID
Number No.	04

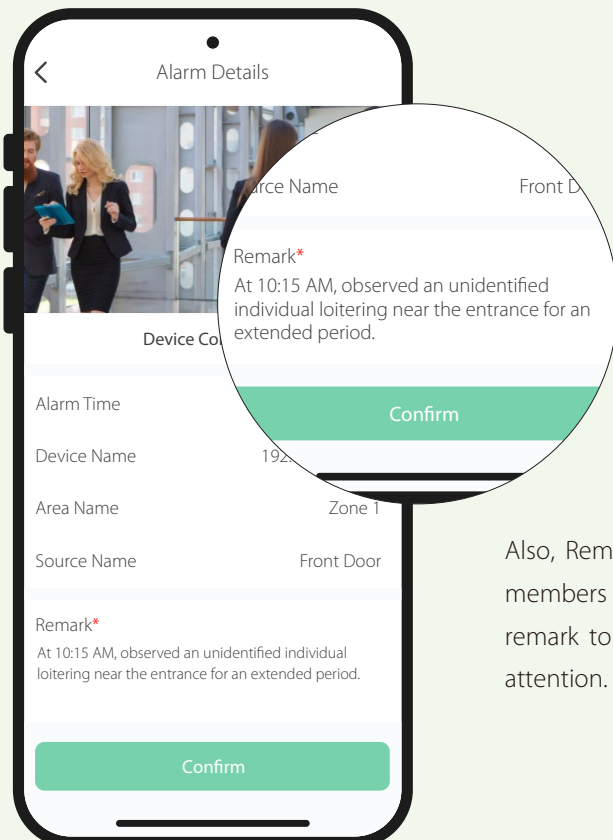
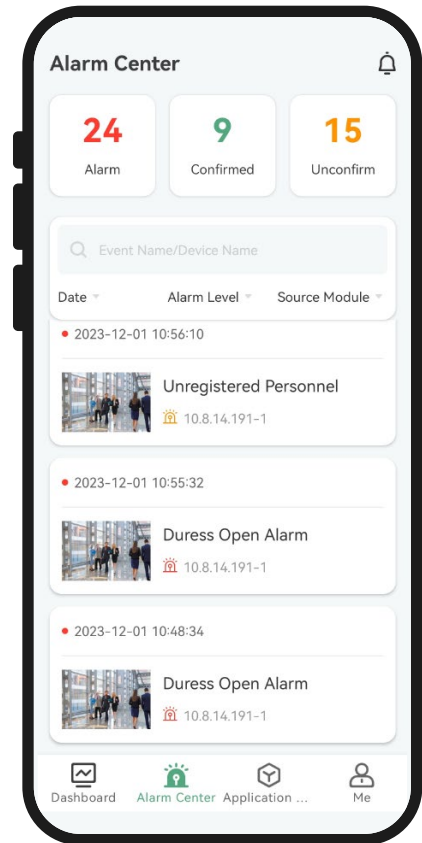
Respondent Information	
Host Name	
Host Department	

Access Details	
Start Time	2023-09-15 15:00

Real-Time Alert and Remote Control: Enhancing Security with the App

When an on-site abnormal situation occurs, the app's backend sends notification messages to alert administrators.

Administrators can remotely view the on-site situation through Video View and perform remote unlocking after the alarm has been cleared.



Able to make a remark on specific notification

Adding remarks allows security personnel or users to provide context or notes about the surveillance footage. They can explain what's happening in the video, point out specific details, or note any unusual events or behaviors. This additional information can be invaluable in understanding the situation.

Also, Remarks can serve as a means of communication between team members or security operators. For example, one person can leave a remark to alert others about a particular incident or action that needs attention.



Notification

There will be a notification filtering tool in this app, users can decide which level of the notification prompts up by notification status, such as, urgent, important, general information

Admin Users can receive all the notifications in the system. General users can only receive the information related to him/her such as their access record

Notification with Photo Capture (Coming Soon)

As the ZKBio CVSecurity platform has the global linkages function, and one of the most signature functions are photo linkage, the admin user can set the system to capture a photo in certain scenarios, such as alarm triggered, AUX triggered,

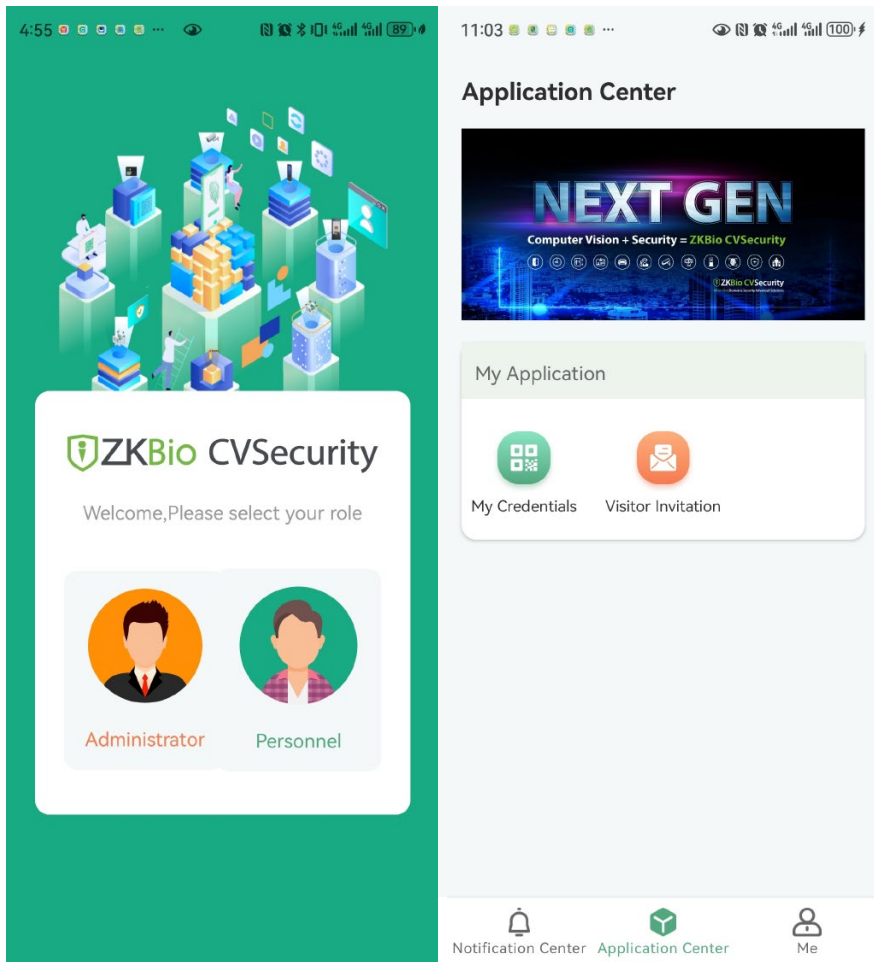
And the admin user can receive notifications as well as the captured photo



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Personnel

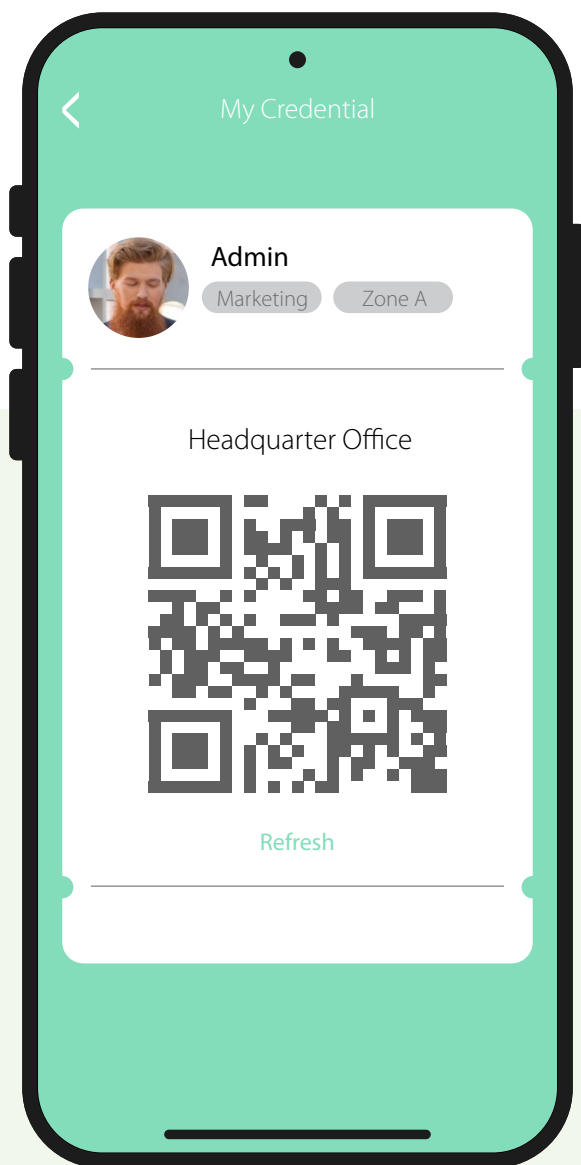




Access Control

QR Code Safe Entry Solution for Staff and Visitors

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



10 SEC



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

Scramble QR Code for Better Security

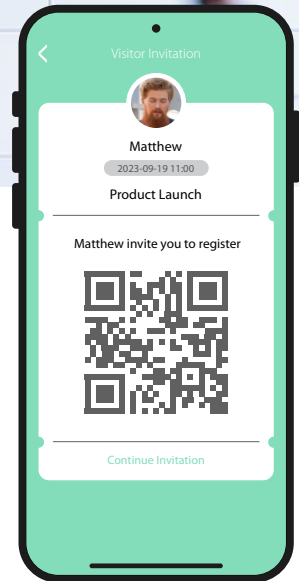
In order to prevent unregistered people from gaining access by copying QR codes or barcodes without permission, the images of QR codes and barcodes in the URL can be set to dynamic (scramble), which means that the QR code images will be automatically changed in every 10 - 30s (adjustable). Administrators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




Visitor Management

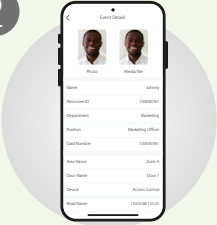
Online Visitor Invitation

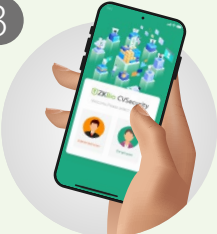
The Admin user can invite a visitor by sending a QR-code to the visitor, when the visitor completed the application, there will be a notification to the admin for approval, after the admin approved the registration, the ZKBio CVSecurity will automatically send the confirm email to the visitor's registered email, and there will be a HTML5 link, once he/she click the link, it will generate a dynamic QR code for visitor access.





Invitation to Reservation

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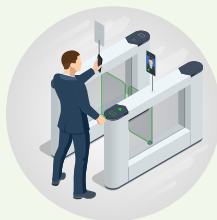
1 Send the QR code to the visitor.
- 

2 The visitor scans the QR code and completes the application.
- 

3 The admin approves the application.
- 

4 Email confirmation is sent to the visitor with an HTML5 link.
- 

5 A dynamic QR code is generated for the visit.



Entrance Control



Elevator Control



Access Control



Additional information

There is an auto-approve function available in the ZKBio CVSecurity platform, if user turned on the function, the system will automatically send the confirm email to all registered visitor, admin user do not need to approve all the visitor applications every single time.

Others Features



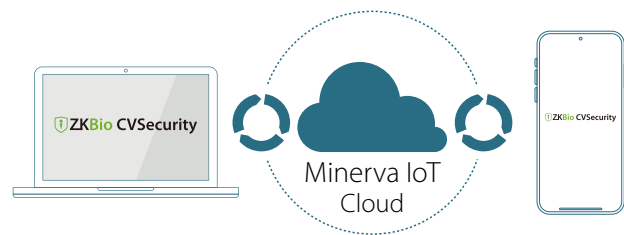
Synchronisation

Data synchronisation (Coming Soon)

This is a function aside of the mobile app, Users can also use the Minerva IoT cloud as a cloud backup function, just like the Google Cloud and iCloud to backup all the information of the ZKBio CVSecurity

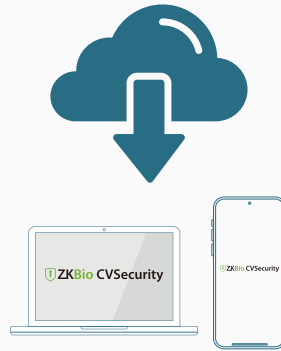
There are 3 different modes:

- Upload to Cloud Only
- Download from Cloud Only
- Two-way Sync



Upload to Cloud Only

"Upload to Cloud Only" is a data synchronization from one source to one or more target systems, but changes made in the target systems don't affect the source on the web storage. It is useful when you want to distribute data but maintain control over changes. It only uploads files from ZKBio CVSecurity to Cloud. Adding or deleting files from mobile or system doesn't influence files on Minerva IoT Cloud.



Download from Cloud Only

"Download from Cloud Only" is a data synchronization method where data is fetched or retrieved exclusively from a cloud-based source or server. In this approach, it only downloads file from Minerva IoT cloud, and downloads as needed from a remote cloud server or storage



Two-way Sync

This method ensures that changes made in both the source and the target systems are synchronized with each other. It's often used in scenarios where multiple systems need to share and update the same data.

