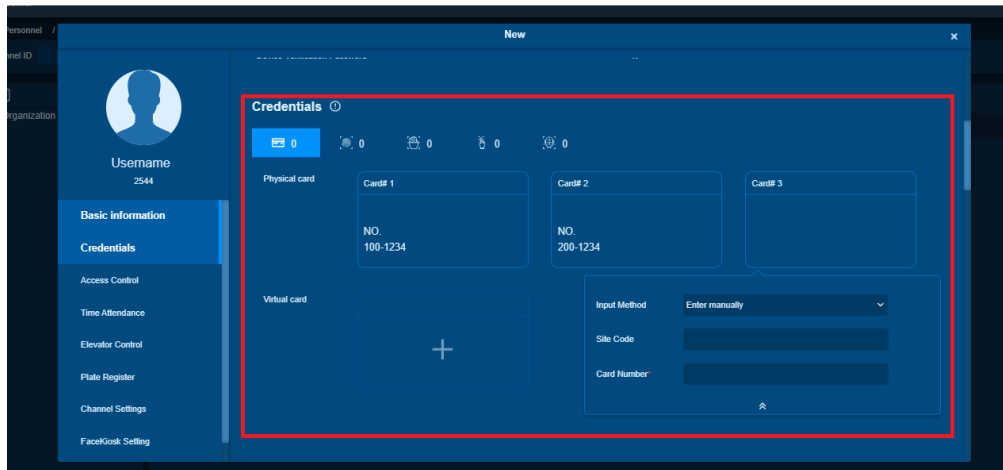
An orange triangle pointing downwards, positioned on the left side of the page, partially overlapping the title text.

# **Armatura ONE V3.0.0 Release Changelog**

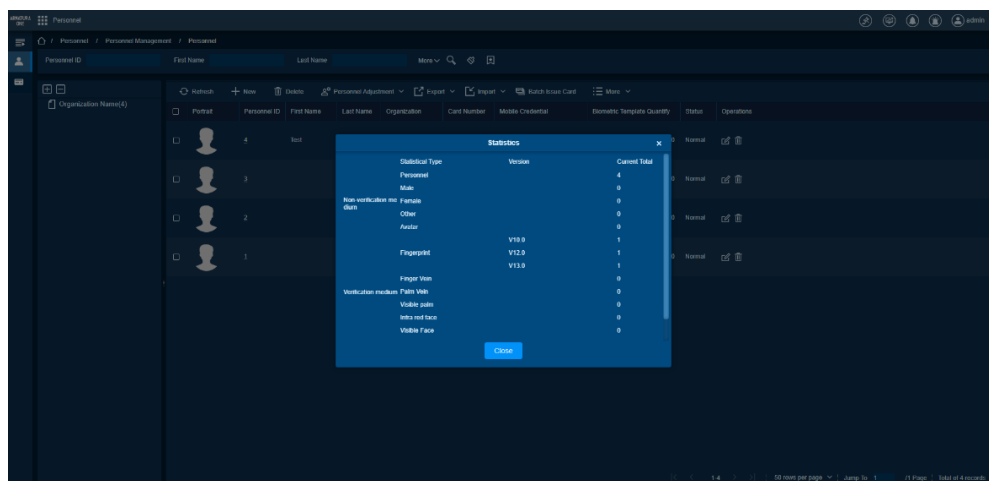
## 1 Personnel Module

- Optimize the interface of credentials in Personnel Module



Support multi-site code means that the Wiegand card system allows the use of a site code in conjunction with the card number for registration and identification. This enables the system to differentiate between cards with the same card number but different site codes, such as 100-1234 and 200-1234. The site code and card number together determine the unique card identity within the system.

- View the multiple versions of fingerprint/ face/ palm algorithm



Armatura ONE supports storing different versions of biometric templates, and the user interface allows you to view the quantity of templates for each version. This feature

ature enables efficient management and tracking of template versions, providing insights into the utilization of different template versions within the system.

## ● Advanced Wiegand Format 2.0 Support

Old Wiegand Format (Figure 1):

Odd Parity Check(o)		Even Parity Check(e)		CID(c)		Site Code(s)		Manufacturer 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

Figure 1. The old Wiegand format

- Limited flexibility in defining parities and site codes.
- Unable to specify the range of bits for each parity.
- Does not support multiple site codes or customized parity positions.

Advanced Wiegand Format (Figure 2 & Figure 3):

CID(c)Start Bit	CID(c)End bit	Site Code(s)Start Bit	Site Code(s)End bit	Manufacturer Code(m)Start Bit	Manufacturer Code(m)End bit

Figure 2. The latest advanced Wiegand format

[illegible]

Figure 3 Multiple site code

- Enhanced flexibility in defining parities and site codes.
- Allows for specifying the range of bits for each parity.
- Supports multiple site codes.
- Enables customization of parity positions for increased versatility.

In the customized card format (34-bit) example provided, the advanced Wiegand format is used. It allows for the definition of different parities and site codes from different start and end bits. The specific configuration includes:

Site code: 2nd bit to 10th bit.

Card number: 11th bit to 33rd bit.

First parity: Located at the 1st bit, with an even parity range from the 2nd bit to the 8th bit.

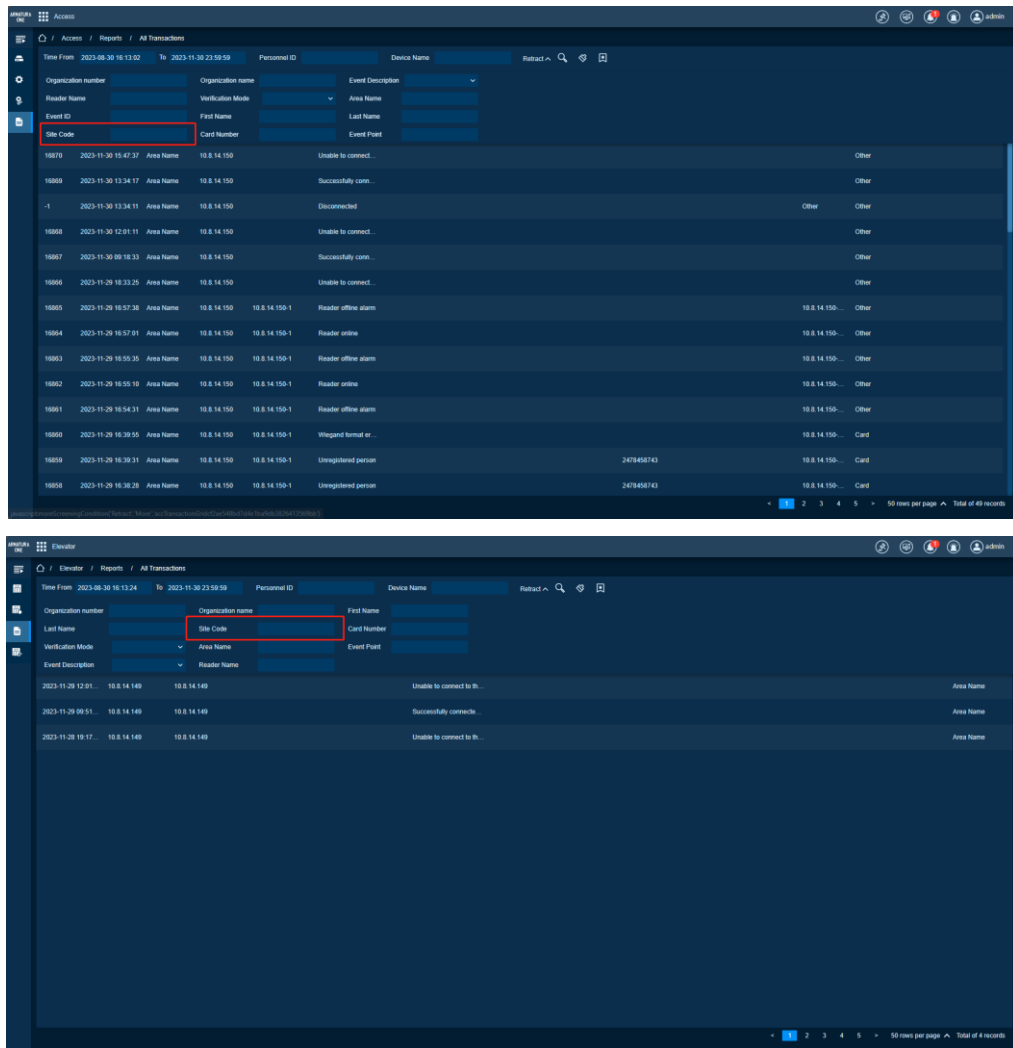
Second parity: Located at the 34th bit, with an even parity range from the 9th bit to the 33rd bit.

Figure 4 Wiegand Format Demo

This demonstrates how the advanced Wiegand format provides more flexibility and customization options compared to the old Wiegand format, allowing for the creation of tailored card formats that meet specific requirements.

**\*Note:** This feature requires firmware support, if need, please contact with Armatura Supporting Team.

## ● Filter data based on site code



Data can be filtered based on site code in the personnel interface, elevator control report interface, and access control report interface.

## 2 Access Control Module

### ● Optimize the interface of Real-Time Monitoring

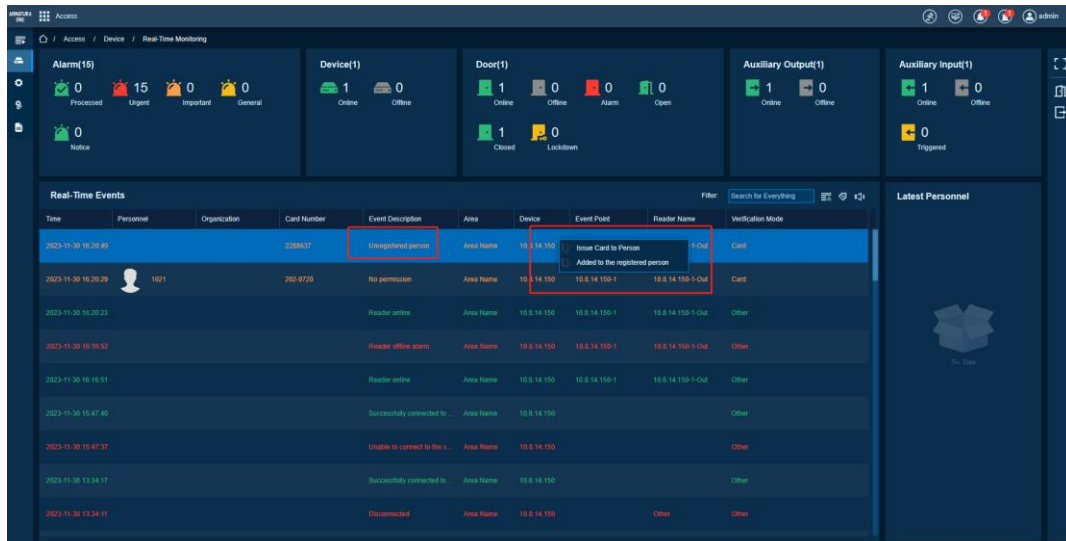


Figure 5. Event Information

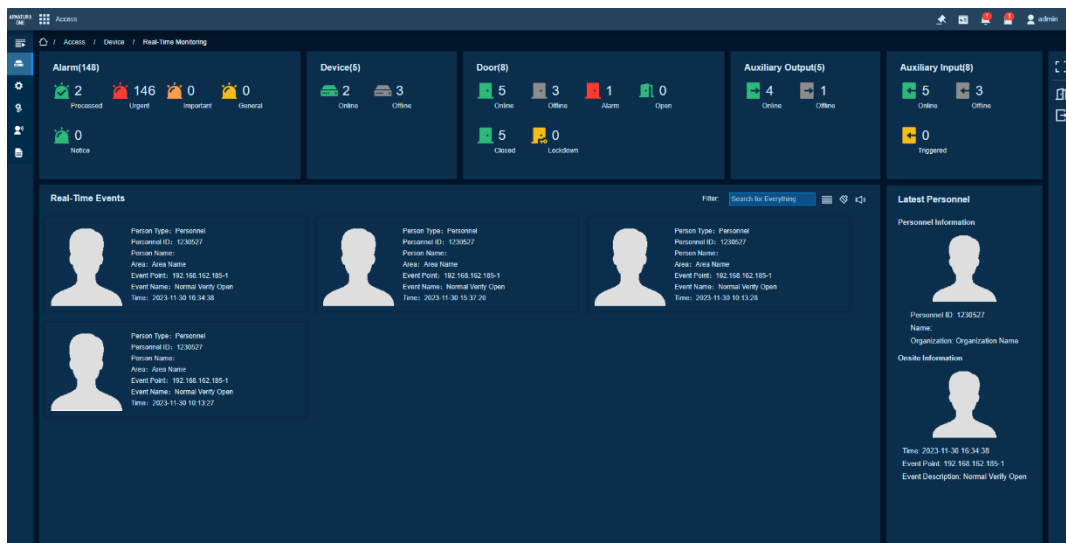
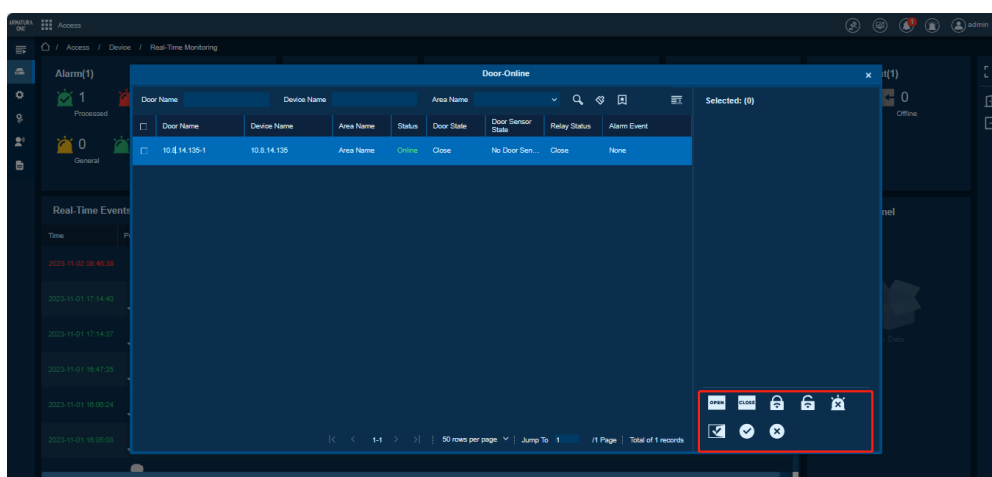
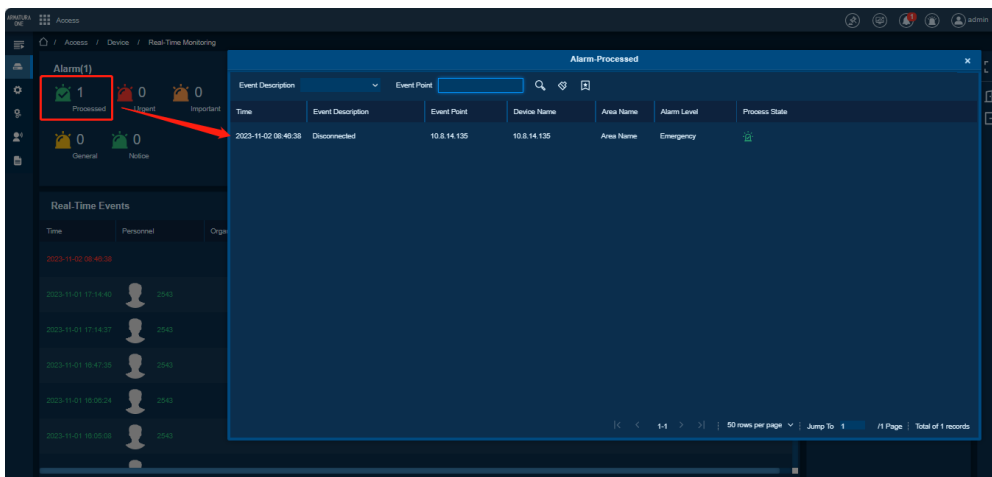
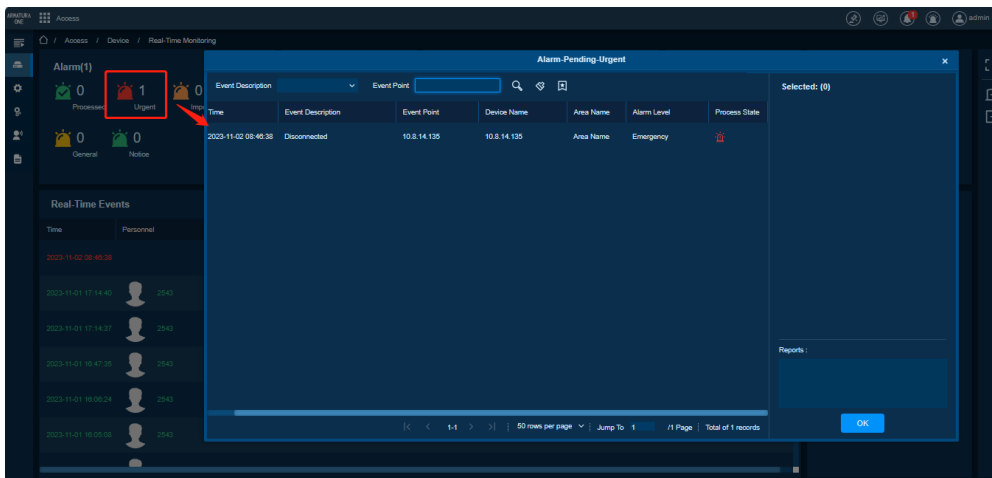
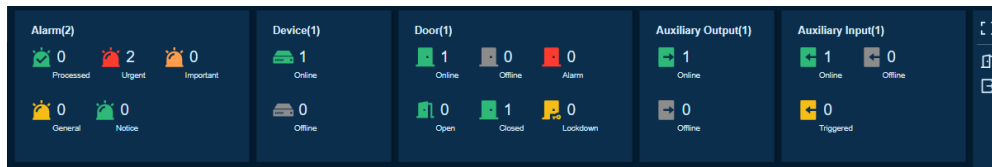


Figure 6. Personnel Information

The overall layout of the real-time monitoring page has changed.

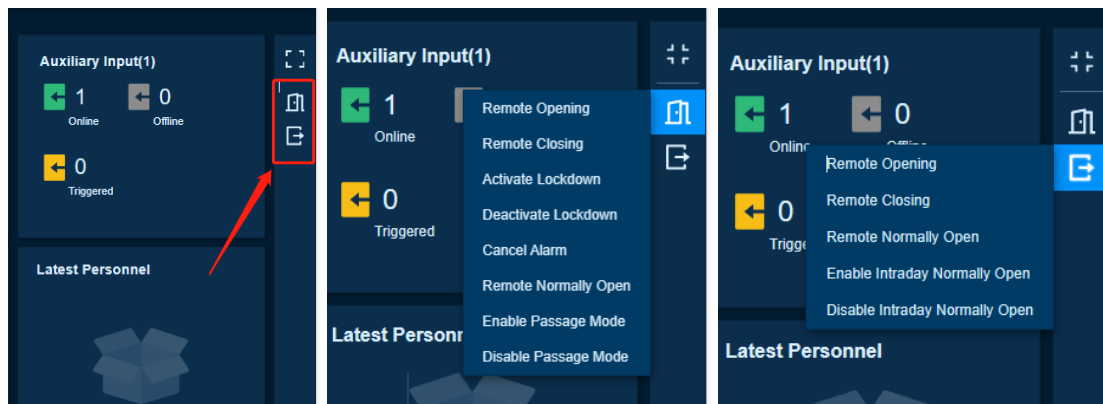
In the real-time event information page (Figure 5), it supports add registration for unregistered card numbers with just one click.



Support clicking on the event icon to process it. When an Alarm event is processed, its status changes to Processed. Similarly, the door can also be managed



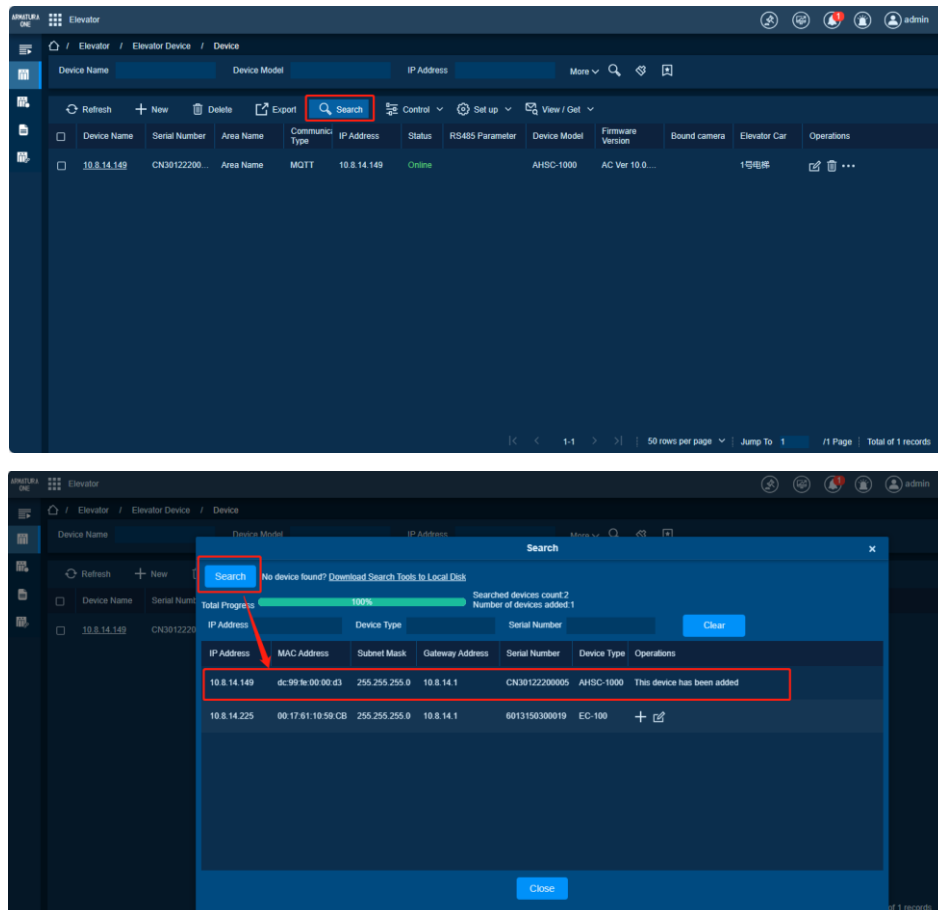
in this way, click on the icon of the door to open, close, cancel the alarm and other operations.



In addition, we have added two buttons on the right side of this page, which correspond to the operations of the door and the Auxiliary-output.

### 3 Elevator Module

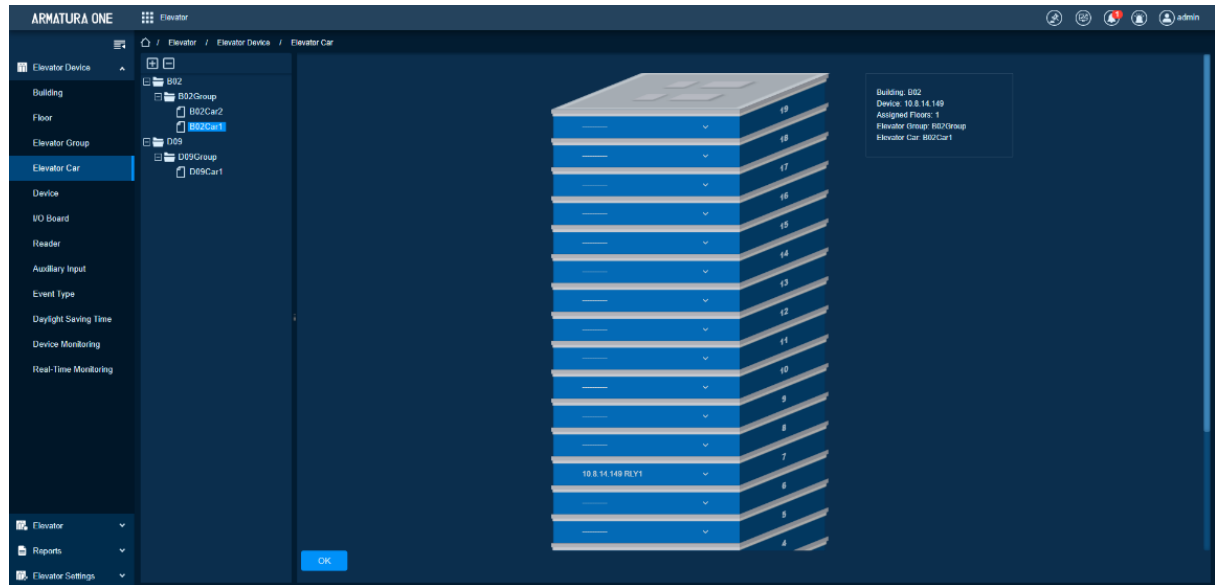
- Compatible with AHSC and AHDU devices



Support AHSC and AHDU devices to manage elevators as elevator controllers. After adding the elevator car to the Elevator Module and adding an AHSC or AHDU device in [System Module] – [Authorized Management], it can be added on the search page.

**\*Note:** This feature requires firmware support, if need, please contact with Armatura Supporting Team.

## ● Support elevator car settings

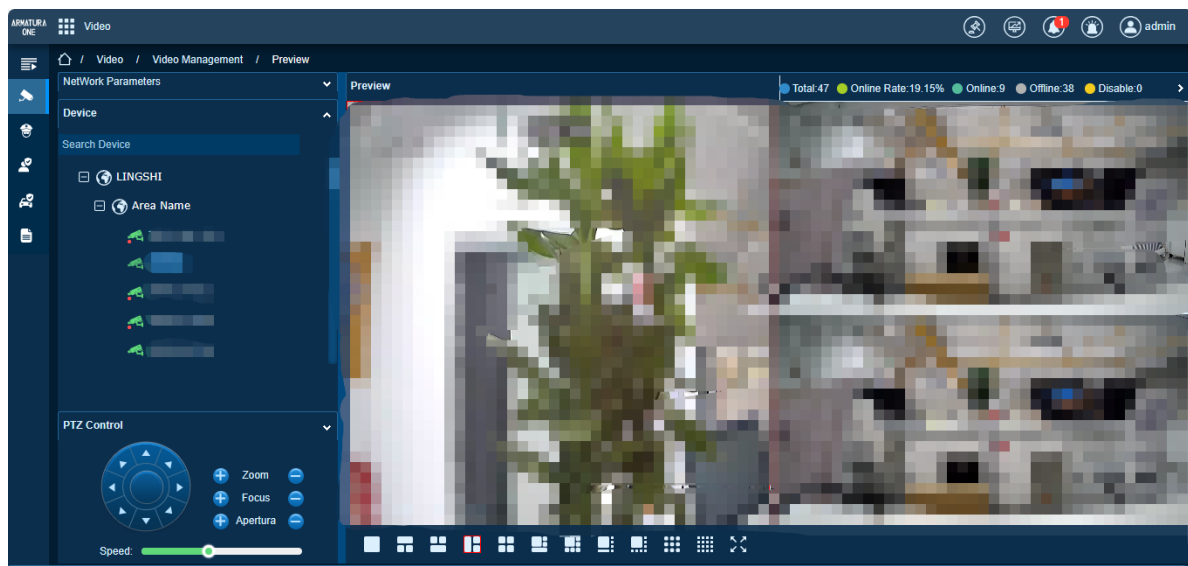
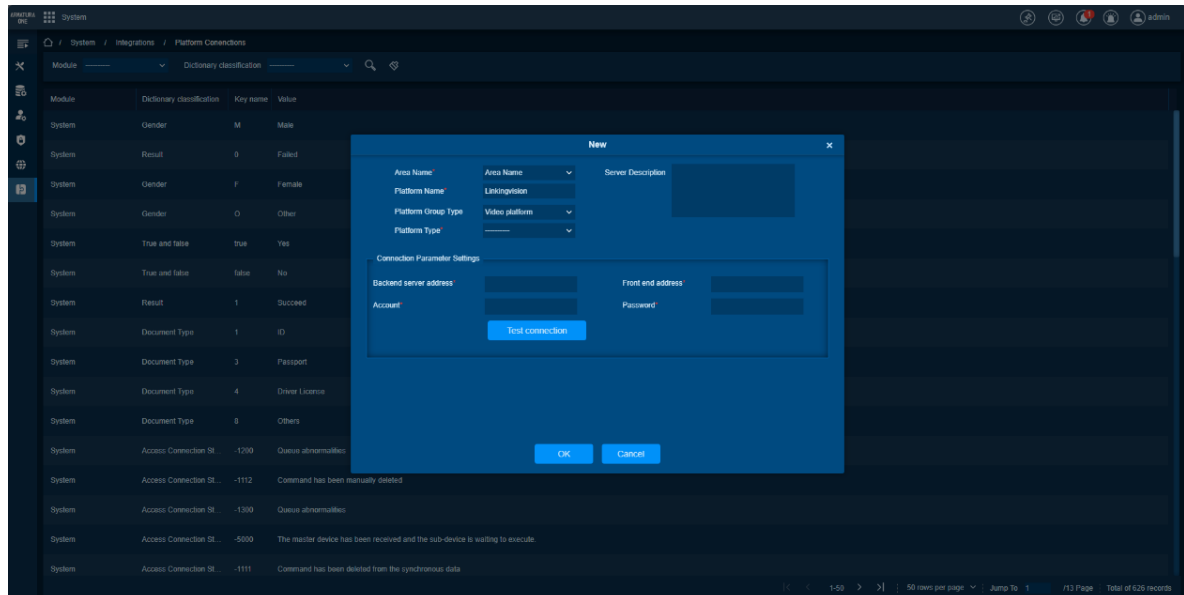


Latest Armatura ONE Support Multi-Dimension Management, Building – Elevator Group – Elevator Car – Floor. Allowed to select the relay in the controller to control the corresponding floor.

**\*Note:** This feature requires firmware support, if need, please contact with Armatura Supporting Team.

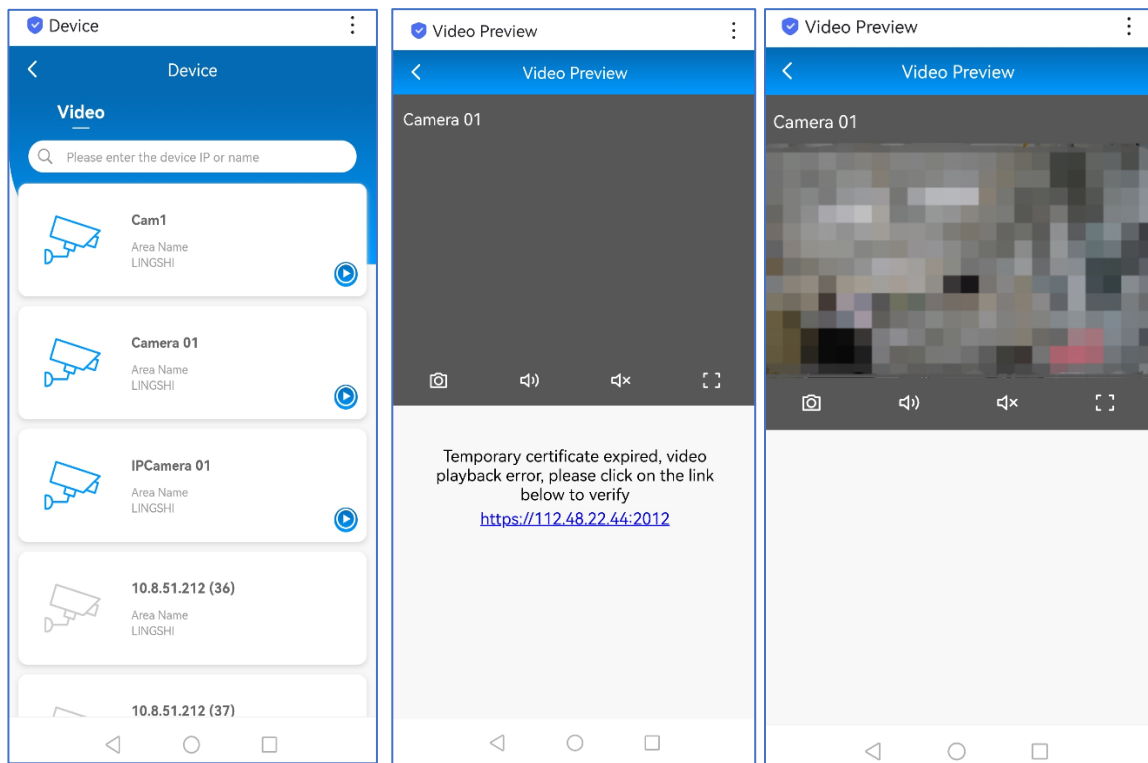
## 4 Video Module

### ● Support HTML5 video platform



Able to access to the HTML5 video platform and docking with Onvif and SDKs of some brands. Video preview, playback and linkage are now supported. Also, after integrating the third-party video platform, users can add video devices with Onvif and RTSP/RTMP in Video module in direct.

### ● Mobiles preview



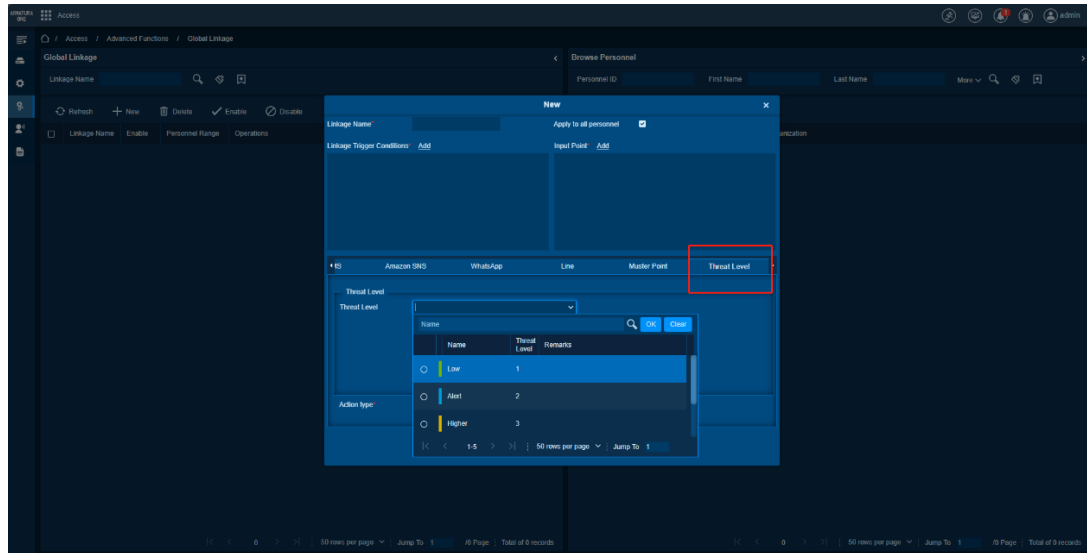
If the mobile phone and the server where Armatura ONE is deployed are on the same LAN, enter the server address in the browser of the mobile phone, for example, `https:// server address :port`.

After that, access Armatura ONE on mobile phones. When the video preview page is opened, the system will prompt to click the verification page link. After verification, it supports preview the video from the camera.

**\*Note:** The current version is only compatible with Android OS and not yet supported by IOS

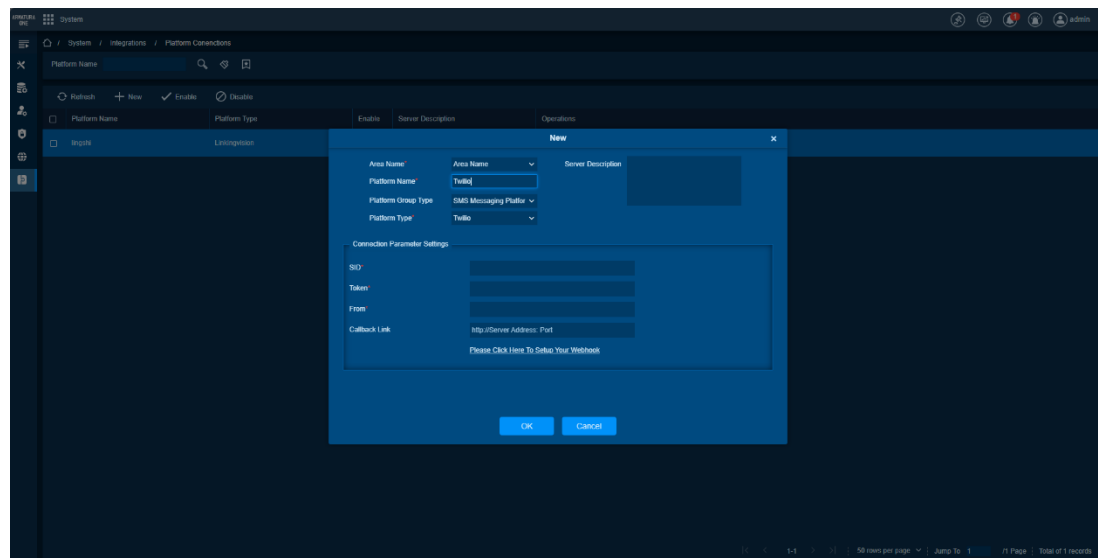
## 5 System Module

- Support enabling Threat Level when global linkage is triggered



The threat level of system can be enabled after the global linkage is triggered, and the input point supports selecting doors, auxiliary inputs and so on.

- SMS messaging integration with Twilio



Twilio is a cloud communication platform company headquartered in the United States. It provides a set of APIs that enable to integrate communication functionality within applications. Support the integration of Twilio so that call its services to send SMS notifications to users in Armatura ONE.

***Relevant features supported by historical software:*****V2.4.1**

Fixed some bugs.

Improved software compatibility with databases: Oracle 19C and SQL Server 2019

Modified the display level of the color selector and the [New] page in the [Shift];

**V2.4.0**

DCS Upgrade;

Reset Person Availability;

Built-in HTML5 interface;

Support off-site approval and SOP;

Batch issuing mobile credentials;

Anti-passback and Interlock in P2P network;

Support custom field selection when exporting reports

**V2.3.0**

New personnel management interface;

Bio-photo is separated from the profile photo;

the public port;

Optimized device list interface;

Server local logins are not limited by the number of accesses and the number of errors;

Save and distribute guest faces to guest devices and conference devices;

The administrator displays a pop-up message in the status bar;

Devices that support communication using ZK-485 Monitor the records of the new expansion board in real time;

**V2.2.0**

New personnel interface - add avatars to the personnel management list;

Full support for AHEB system expansion boards;

Integrated with ACMS products;

New map center management interface;

Meeting room equipment is optimized;  
Fix defects; Meeting room equipment is optimized;  
Muster Point;

## **V2.1.0**

Support OmniAC Series device;  
Integrated ACMS development environment;  
Added attendance, passage, parking, office, defense modules;  
Browser alert message notification;  
New access control real-time monitoring;  
New topology management monitoring;  
Threat level management;

## **V2.0.0**

Added visitor, elevator control, intrusion alarm IA, building BA module;  
Support Horizon Series devices;  
Support booking meeting rooms and creating Zoom online meetings at the same time;