

DS-K270X Series Access Controller Release Note

Device Model: DS-K2701X DS-K2702X DS-K2704X DS-K2702WX-E1 DS-K2708X DS-K2701X(P) DS-K2702X(P) DS-K2704X(P) DS-K2702WX-E1(P) DS-K2M002X DS-K2M0012X Naming Rule: E1: POE P:plastic W:wifi	Device Firmware Version	DS-K270X: ACS_270X_F1Plus_EN_STD_V1.7.4_build250904 ACS_270X_F1Plus_EN_NEU_V1.7.4_build250904 DS-K2M002X: ACS_DS-K2M002X_M5S_GML_GM_V1.1.6_build250829 HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-4-0/
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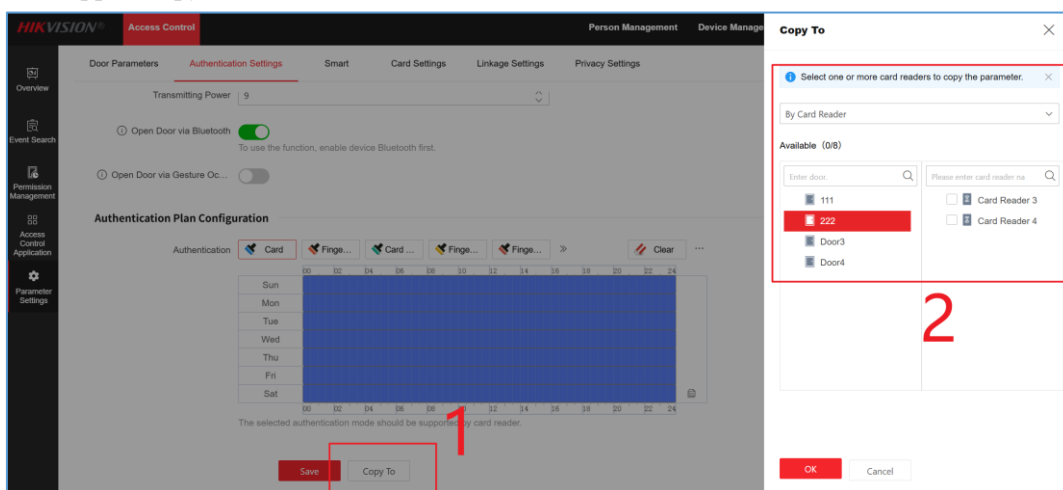
New Feature:

1. Support mobile web and you can login device on mobile phone with device IP address and admin account.

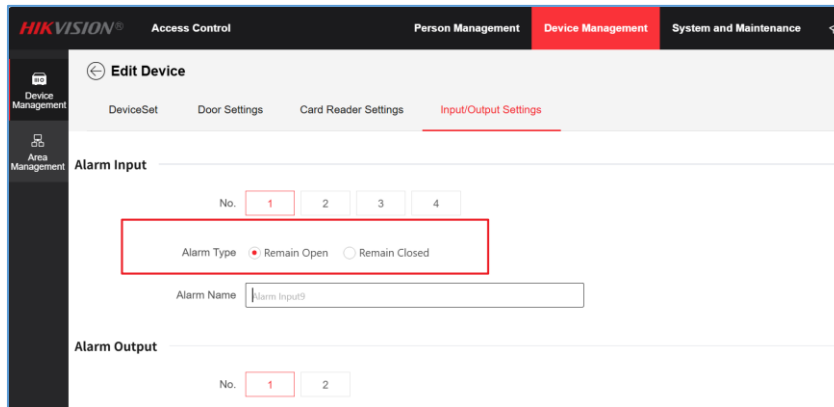
Note: 1) The AP mode is not supported.

2) The mobile phone and device should be in the same network.

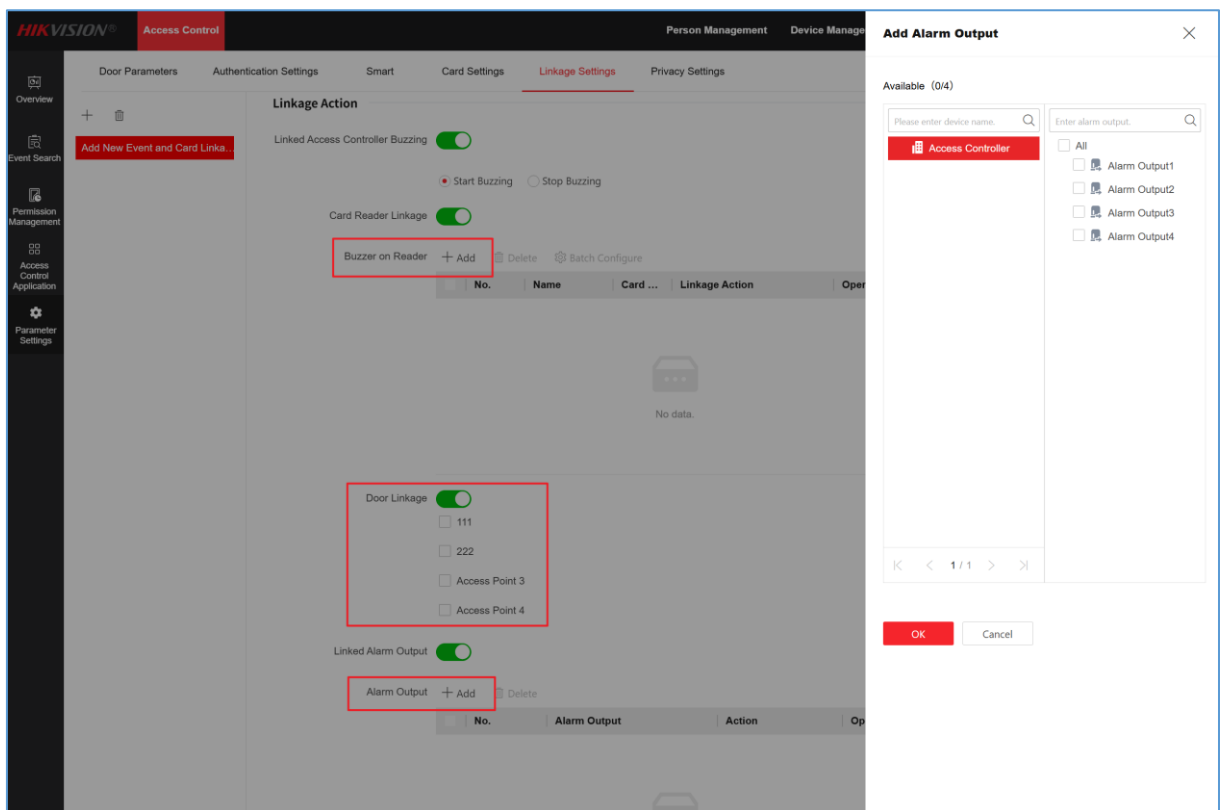
2. Support copy week schedule to other card readers on the web



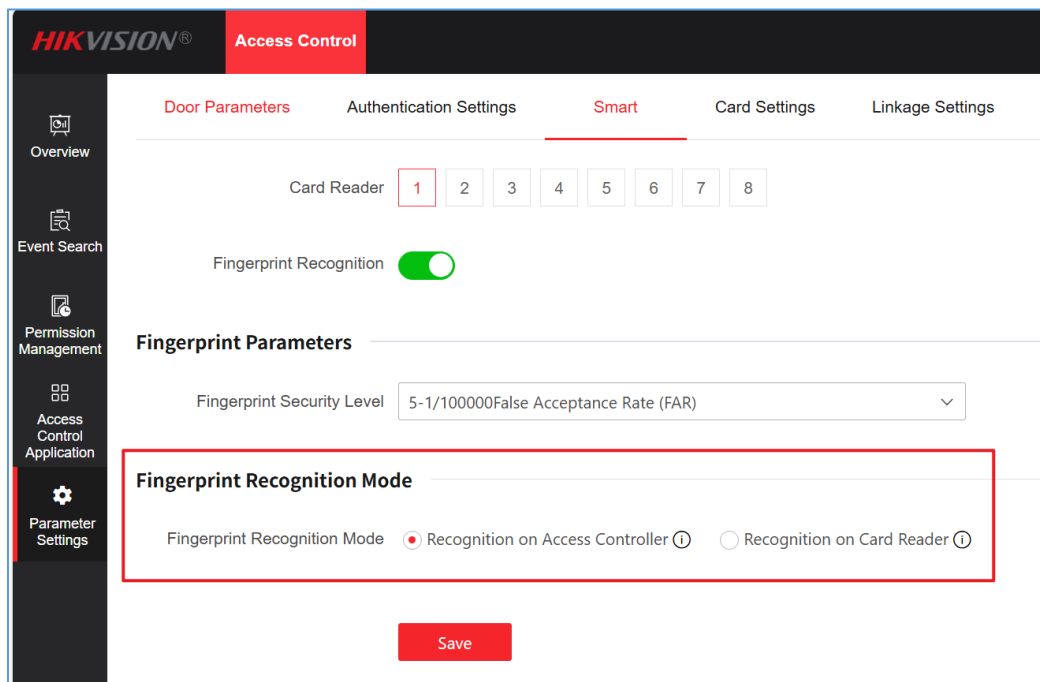
3. Support remain open and remain close selection for the alarm input signal type.



- Support batch configuring card reader buzzer, door and alarm out for the event linkage



- Support get and display the battery status of sub access module (K27 series only) and I/O expansion module through protocol.
- Support Fingerprint Recognition Mode, you can choose to recognize fingerprint data on access controller or on the card reader. By default it's recognition on Access Controller mode. After change the mode, reboot the device to take effect.



Recognition on Access Controller: The fingerprint is stored in the access controller. Card reader collects the fingerprint image and generates feature data to save in the access controller, and fingerprint will be recognized on the access controller.

Recognition on Card Reader: The fingerprint is stored in the card reader and recognized at the card reader side, and the information of the person bound to the fingerprint will be synchronized to the access controller after recognition.

Note:

1. In this mode, fingerprint under person management cannot be viewed or edited, and can only be collected and applied from the iVMS4200 or HikCentral platform.
2. In this mode, we can only apply the fingerprint data to the reader (RS485 address 1-8) connected to the main controller; and cannot applied to the reader linked to the door of sub access module.
3. In this mode, each reader fingerprint reader capacity is 5,000 only

If you don't know which mode to choose, please follow the chart below

Model	DS-K1201AMF / DS-K1201AEF (produced between Aug.2024-Oct.2024)	DS-K1201AMF / DS-K1201AEF, (produced before Aug.2024 or after Oct.2024)
	All DS-K1201MF / DS-K1201EF	All DS-K1109 with fingerprint module
Mode	Recognition on Card Reader	Recognition on Access Controller

please find the production time on the label, below picture means the production date of this reader is Feb.2017



Modified Feature:

1. Optimize the RS485 communication between controller and access controller.
2. Optimize the http listening function about abnormal event uploading

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	Software	HikCentral AC:

Reason for Release:

Compatible with new DS-K1105 series card reader.

DS-K270X Series Access Controller

V1.7.1_build241217 Release Note

Device Model: DS-K2701X DS-K2702X DS-K2704X DS-K2702WX-E1 DS-K2708X DS-K2701X(P) DS-K2702X(P) DS-K2704X(P) DS-K2702WX-E1(P) DS-K2M002X DS-K2M0012X Naming Rule: E1: POE P:plastic W:wifi	Device Firmware Version	DS-K270X: ACS_270X_F1Plus_EN_STD_V1.7.1_build241217.zip ACS_270X_F1Plus_EN_NEU_V1.7.1_build241217.zip DS-K2M002X: ACS_DS-K2M002X_M5S_GML_GM_V1.1.2_build241203.zip
	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-3-0/

Reason for Release:

Increase the passage credentials for the K1109 card reader to meet the growing overseas market demand, including NFC and Bluetooth silent opening; develop accompanying host kits for 262X and 270X.

New Features

1. Update access credentials to support NFC mobile e-tickets;
2. Update access credentials to support Bluetooth silent (opening door at 10cm proximity) functionality;
3. Requiring adaptation of the latest HC software (compatible HC version is supposed to release at Jan. 2025).

DS-K270X Series Access Controller

V1.7.0_build241015 Release Note

Device Model: DS-K2701X DS-K2702X DS-K2704X DS-K2702WX-E1 DS-K2708X DS-K2701X(P) DS-K2702X(P) DS-K2704X(P) DS-K2702WX-E1(P) DS-K2M002X DS-K2M0012X Naming Rule: E1: POE P:plastic W:wifi	Device Firmware Version	DS-K270X: ACS_270X_F1Plus_EN_STD_V1.7.0_build241015.zip ACS_270X_F1Plus_EN_NEU_V1.7.0_build241015.zip DS-K2M002X: ACS_DS-K2M002X_M5S_GML_GM_V1.1.1_build20240918.zip DS-K2M0012X: ACS_DS-K2M0012_M5S_GML_GM_V1.0.0_build20241016.zip

	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-3-0/

Reason for Release:

New model DS-K2M0012X I/O Expansion Module first time released. This new module mainly expand I/O port number in traditional access controller including DS-K270X and DS-K262X to meet the customer different requirement.



DS-K2M0012X

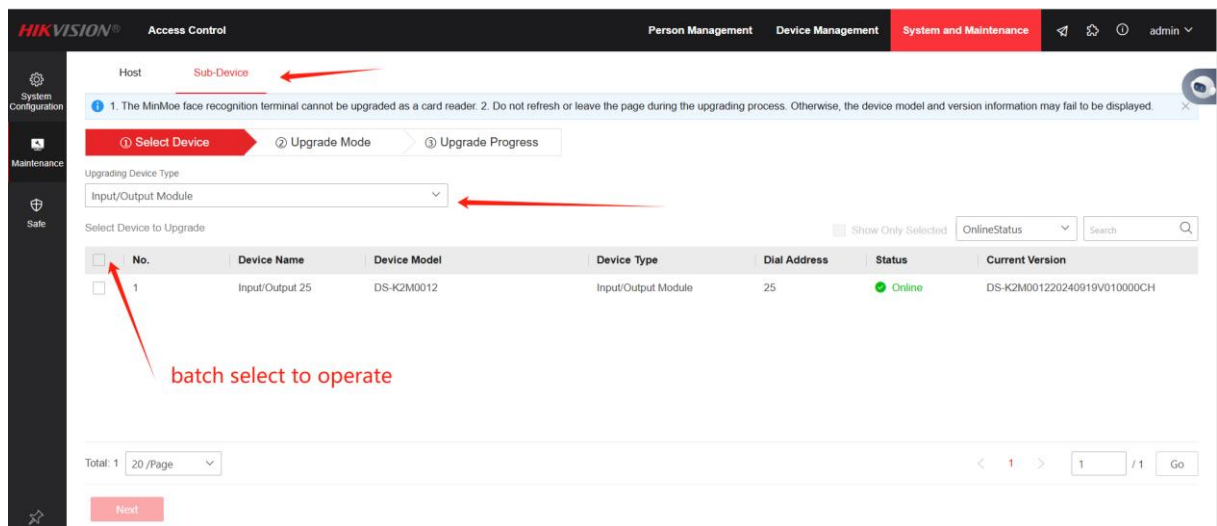
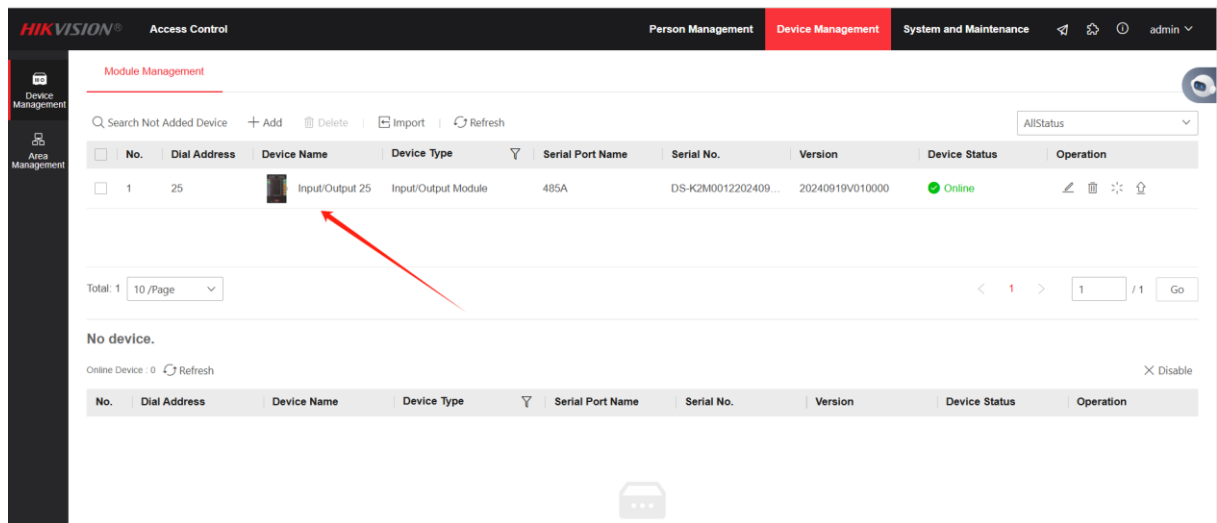
New Features

For I/O module:

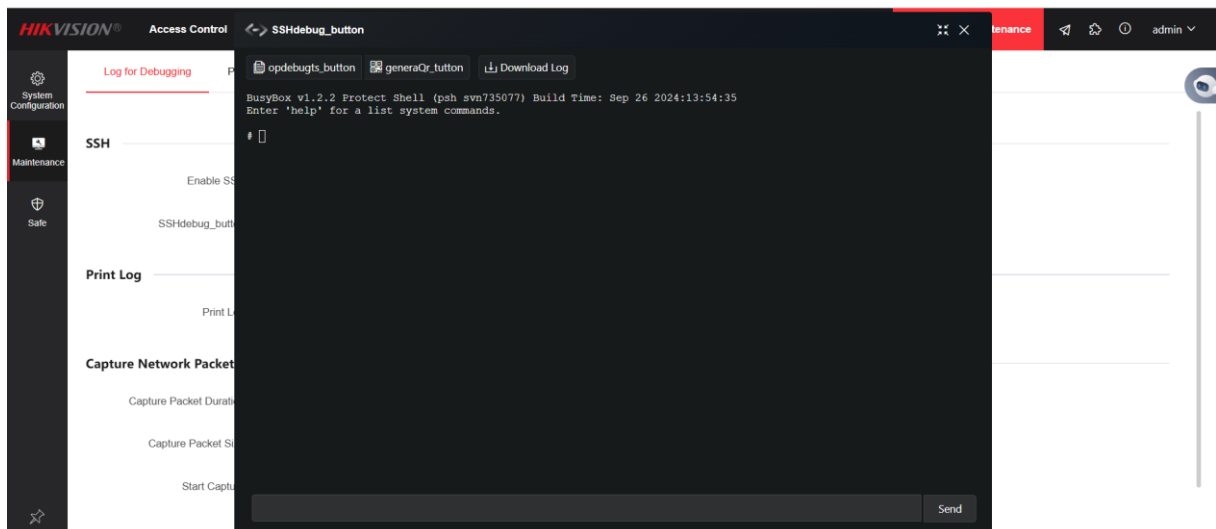
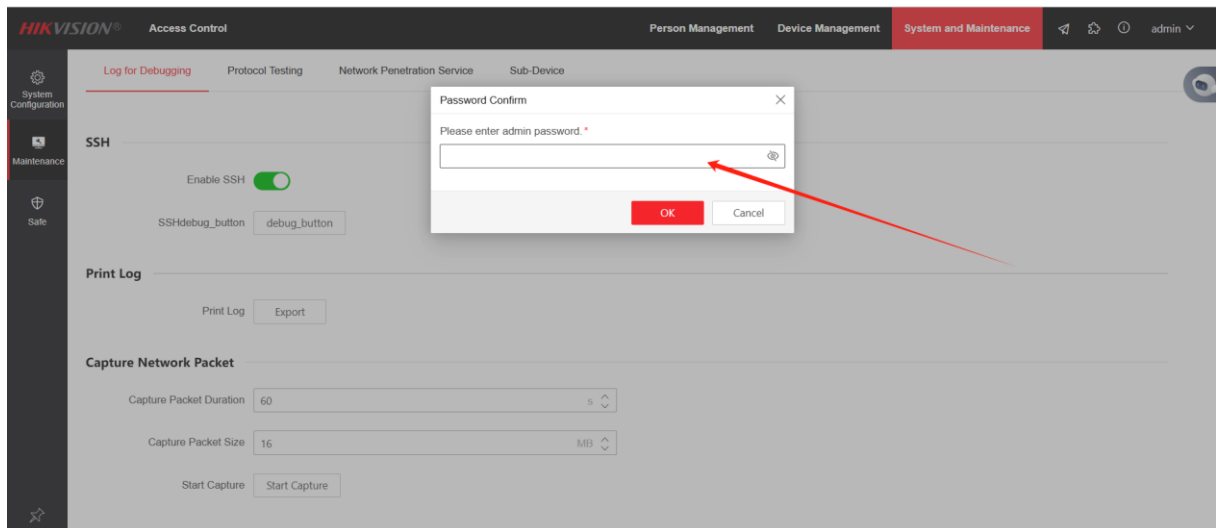
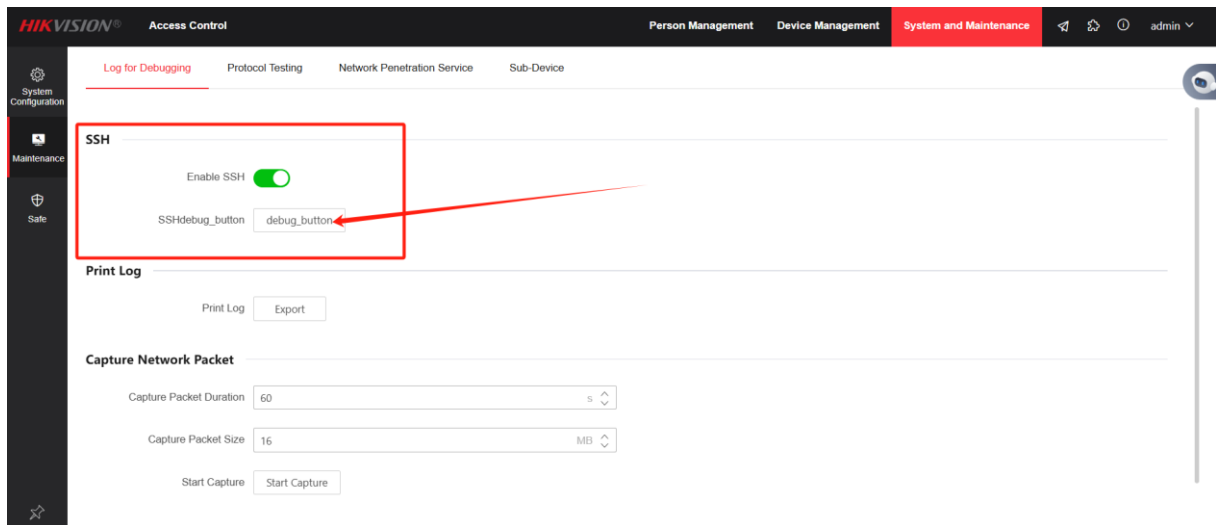
4. Supports 8 inputs and 4 outputs
5. Supports communication with access controller via RS-485
6. Supports battery charging and discharging
7. Supports indicators for indicating power status, communication status, running status, and door status

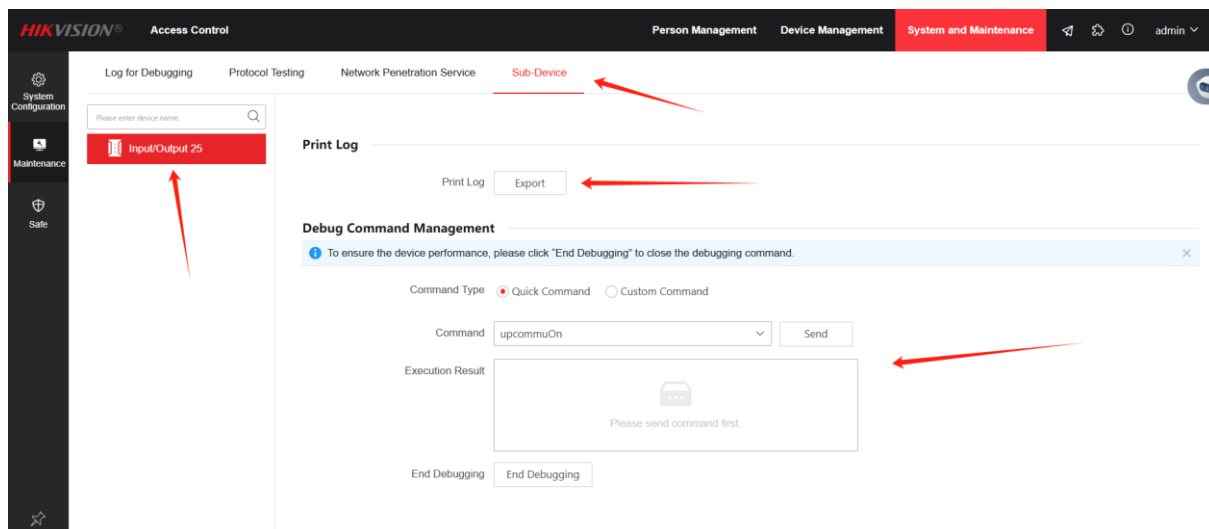
For new function:

1. Supports expansion of input/output modules; web supports adding, removing, modifying, upgrading, and restarting input/output modules. It also supports batch upgrades and restarts, as well as event-triggered configurations for input/output module alarms and outputs



- The 270X series devices support attaching input/output modules through RS485A/RS485B/RS485C/RS485D/RS485E, with a maximum specification of 26 modules. In single backup mode, the total number of IO modules and sub-control modules cannot exceed 62, with valid dip switch addresses from 1 to 62. In dual backup mode, the total number is capped at 32, with valid dip switch addresses from 1 to 32. Different modules cannot have duplicate dip switch addresses
- Supports web page SSH local debugging function. The 270X can access the device via the web page's SSH function to view device log information without needing to use tools to ssh into the device.





4. Supports alarm linkage: has alarm input interface to connect with external alarm IO signal and generate alarm record; has alarm output interface to realize event linking alarm output function.

DS-K270X Series Access Controller V1.1.1_build240821 Release Note

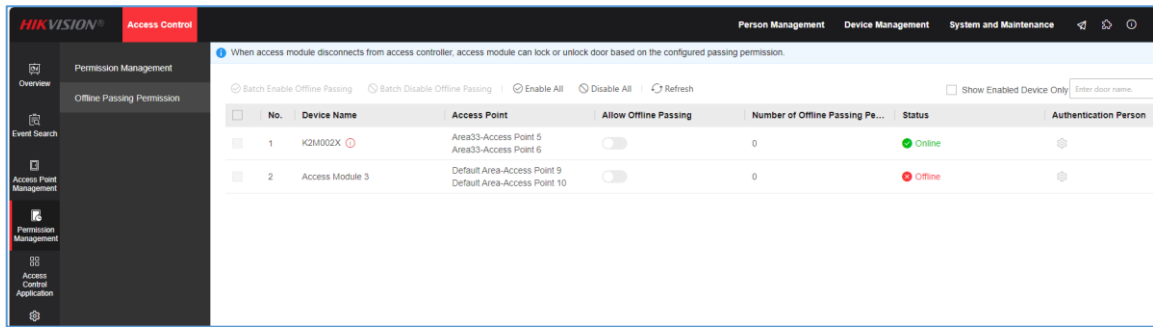
Device Model: DS-K2701X, DS-K2702X DS-K2704X, DS-K2702WX-E1 DS-K2708X DS-K2701X(P) DS-K2702X(P) DS-K2704X(P) DS-K2702WX-E1(P) DS-K2M002X	Device Firmware Version	DS-K270X: ACS_270X_F1Plus_EN_STD_V1.1.1_build240821 ACS_270X_F1Plus_EN_NEU_V1.1.1_build240821 DS-K2M002X: ACS_DS- K2M002X_M5S_GML_GM_V1.1.0_build240809
Naming Rule: E1: POE W: Wi-Fi (P): PCB board only without metal box	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-2-0/

Reason for Release:

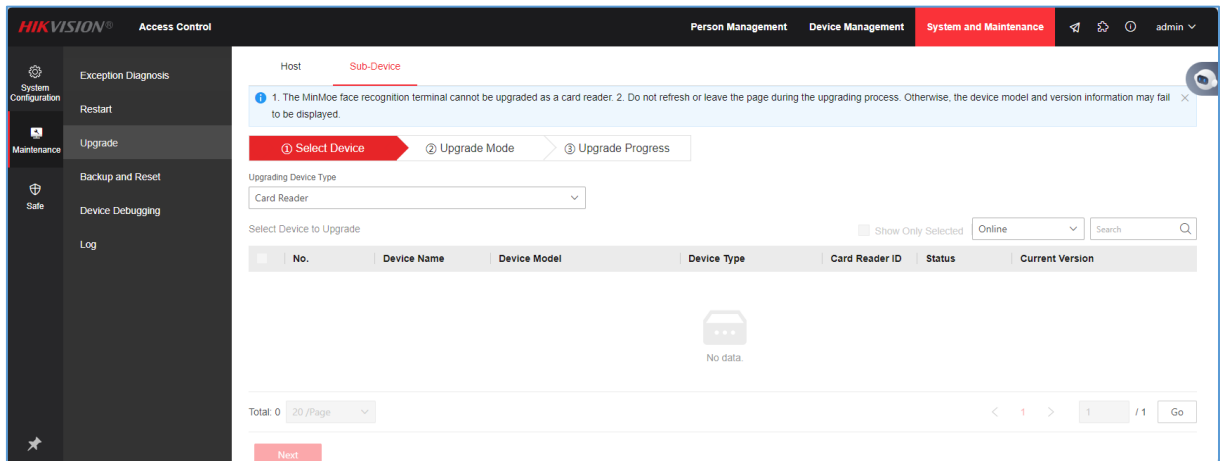
Add new features, fix bugs, enhance product quality and meet customers' requirements.

New Features:

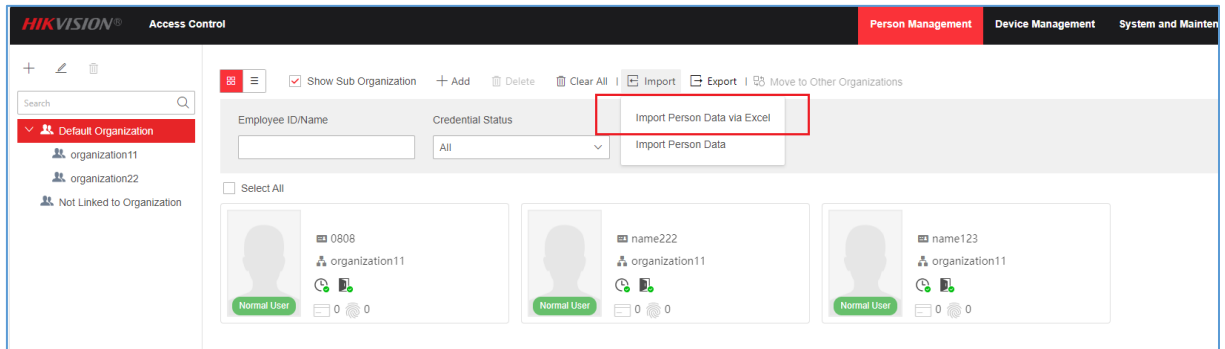
1. Added offline permission verification function for sub control DS-K2M002X, the sub controller can store 5,000 people, 5,000 cards and 30,000 events. Not support advanced functions in offline status, including anti-pass back, multi door interlock, multiple authentication, first person in/authentication.



2. Support batch upgrade for sub controller and card reader, batch restart and restore for sub controller

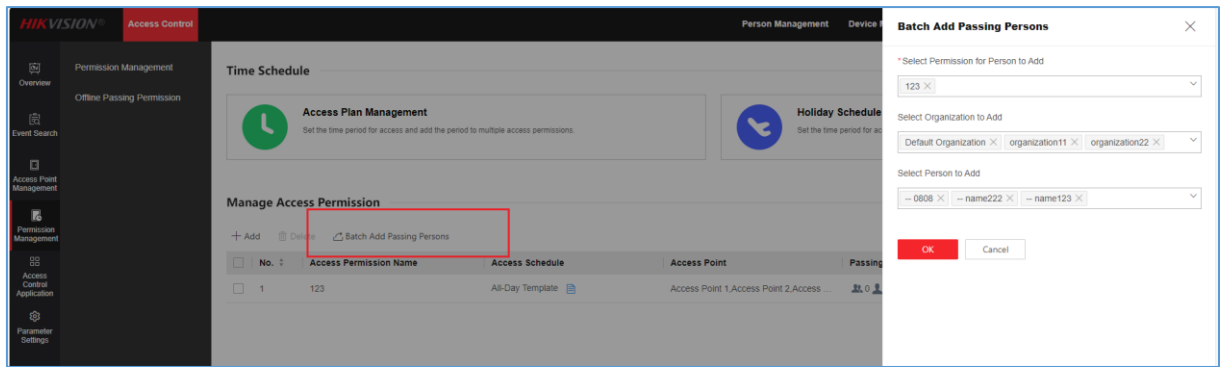


3. Support adding and importing personnel by Excel

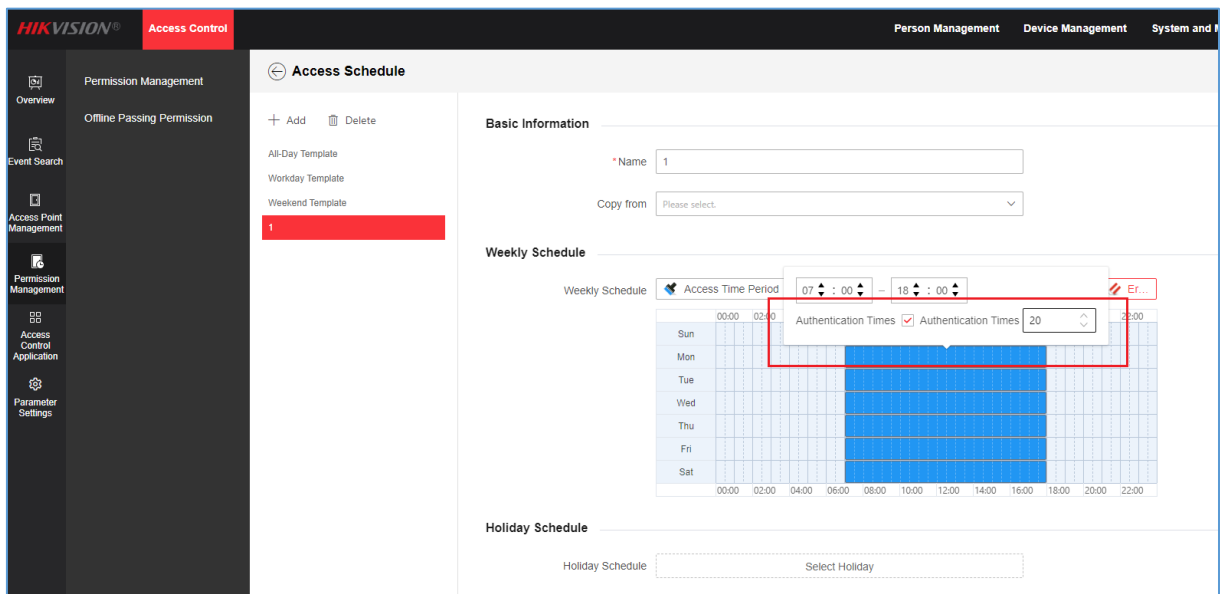


4. The anti-pass back event will only be recorded after opening the door

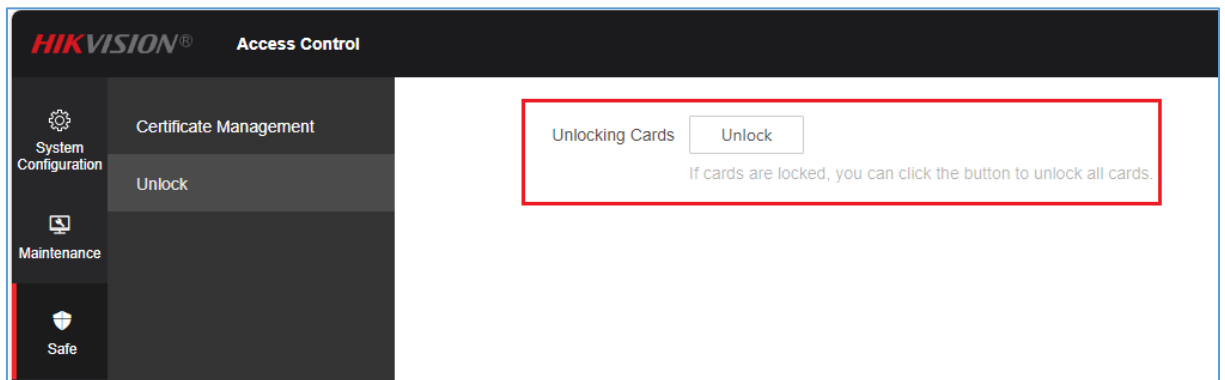
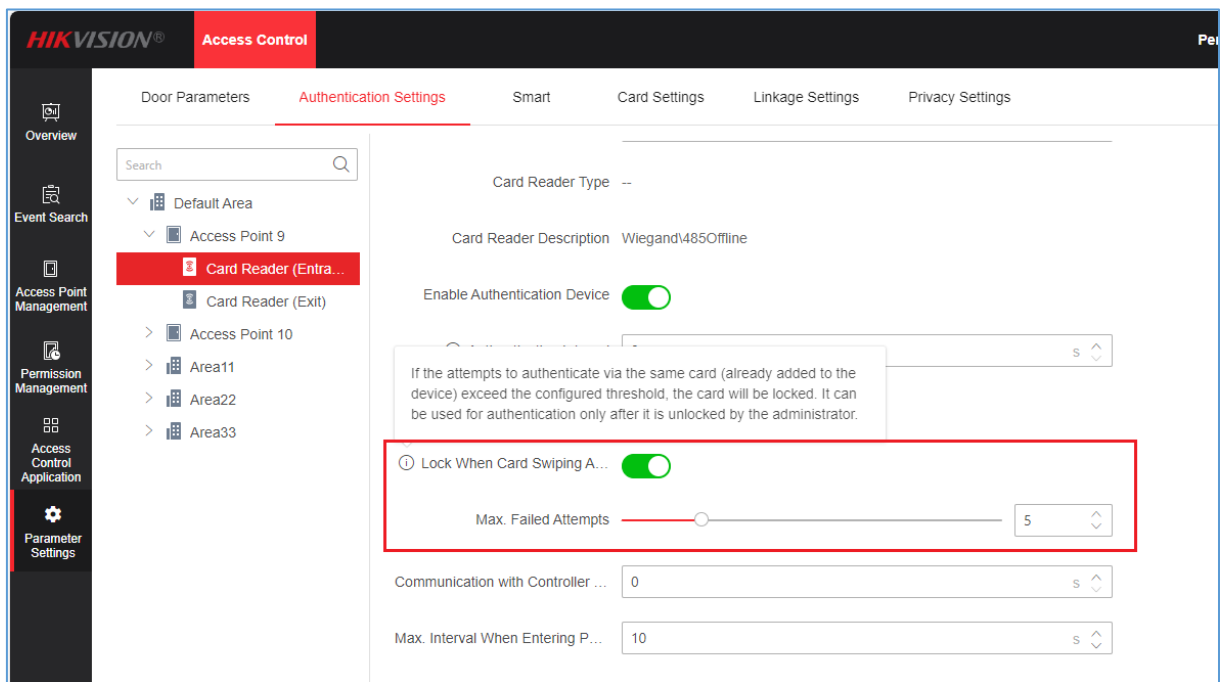
5. Add the function of assigning permissions by department and batch allocation of permissions



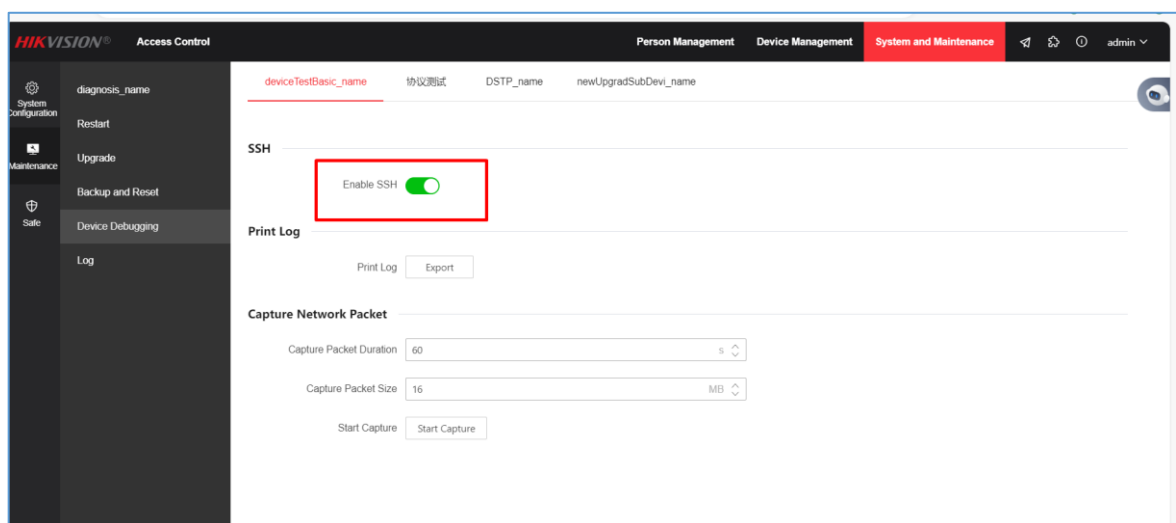
6. Support limit the authentication times in access schedule settings



7. Add the logic if the verification failure times exceed the value, then the card will be locked

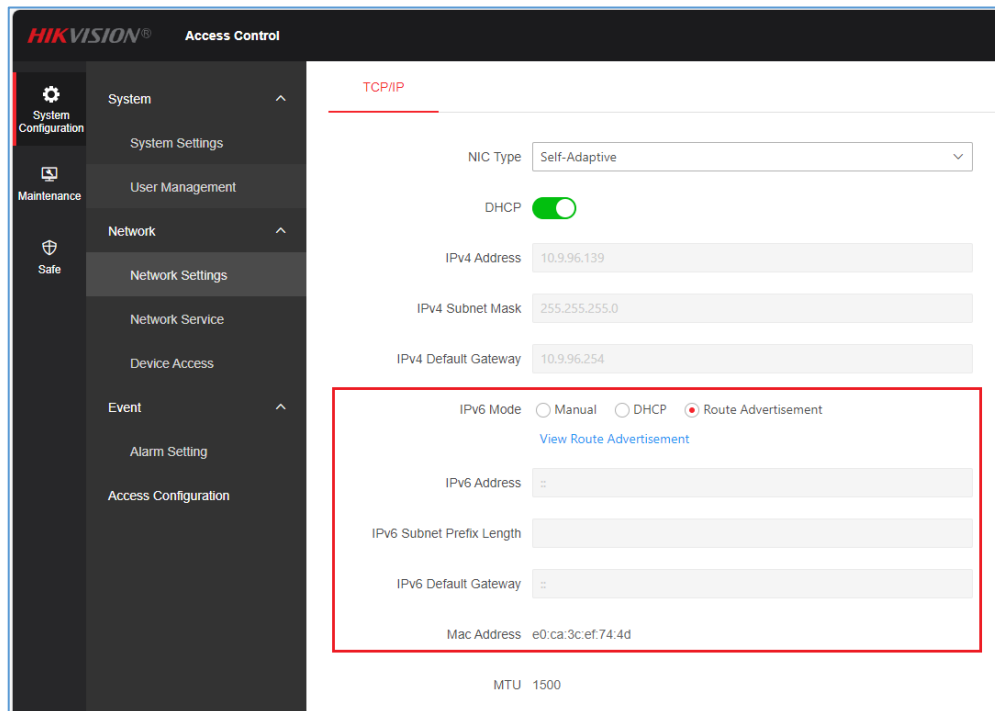


8. Add the remote debugging and maintenance function for technical support, allowing SSH access to devices under the public network, exporting device logs, and logging into WEB

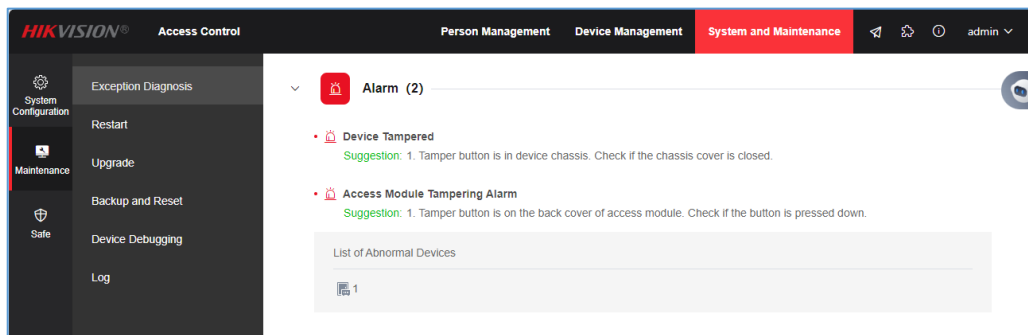


9. Support OSDP encryption function with 3rd party OSDP card reader

10. Support IPv6

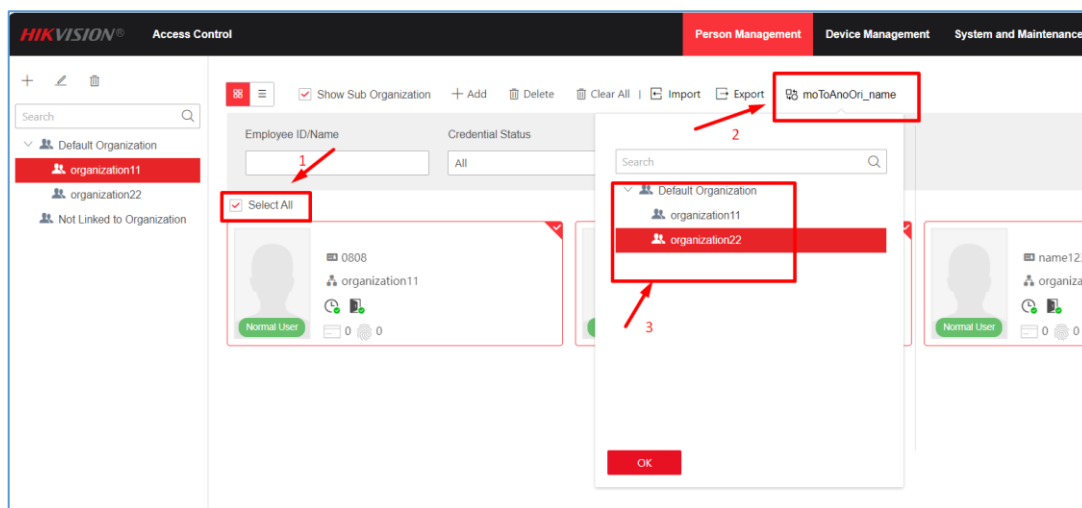


11. Add abnormal diagnosis function

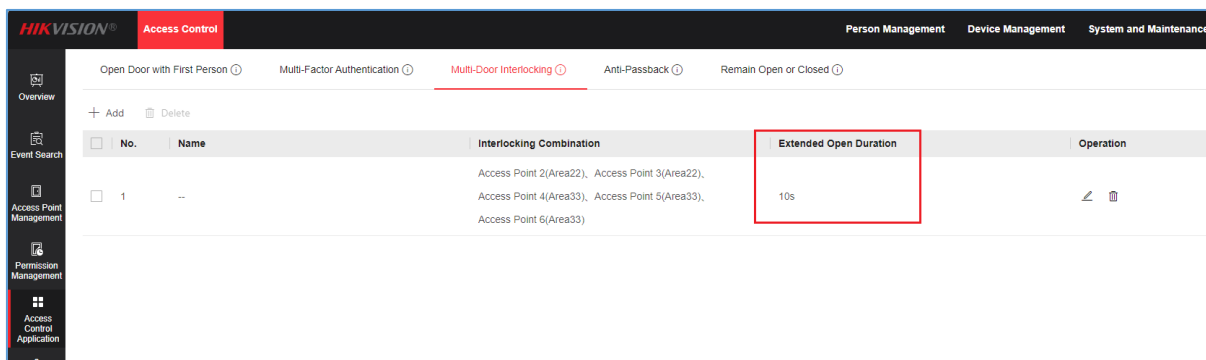


12. Support upgrade device through ISUP protocol under HTTP login method

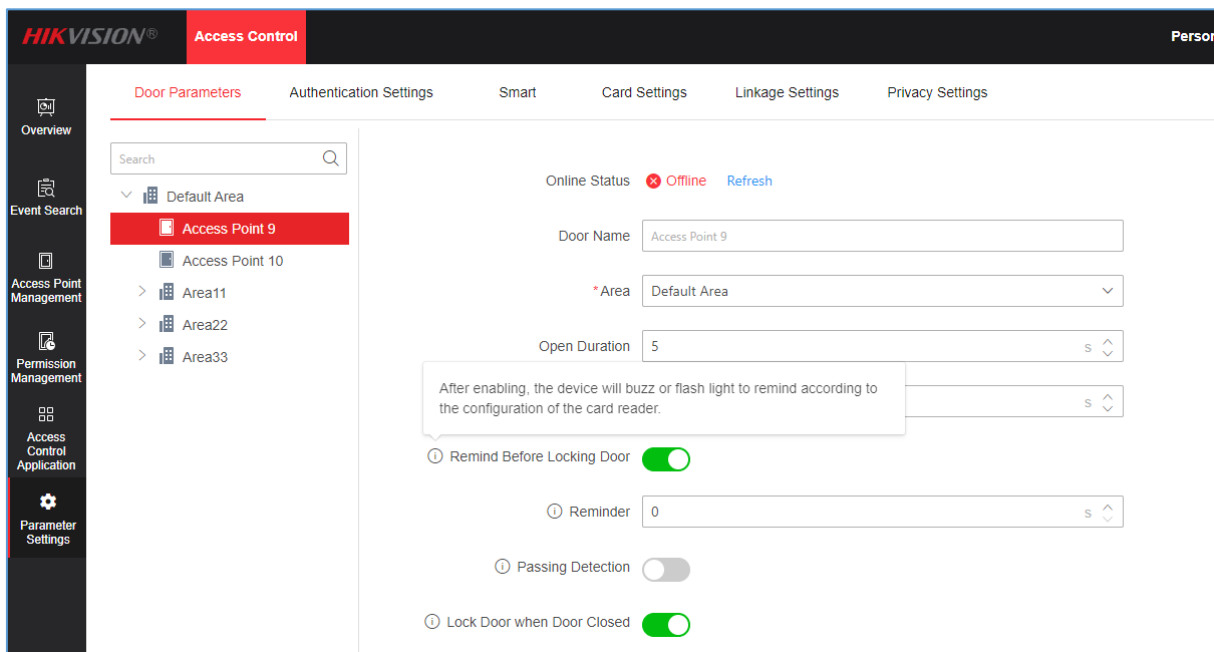
13. Add the function of batch migration of personnel in the organization



14. Support extended door opening configuration for multi door interlock

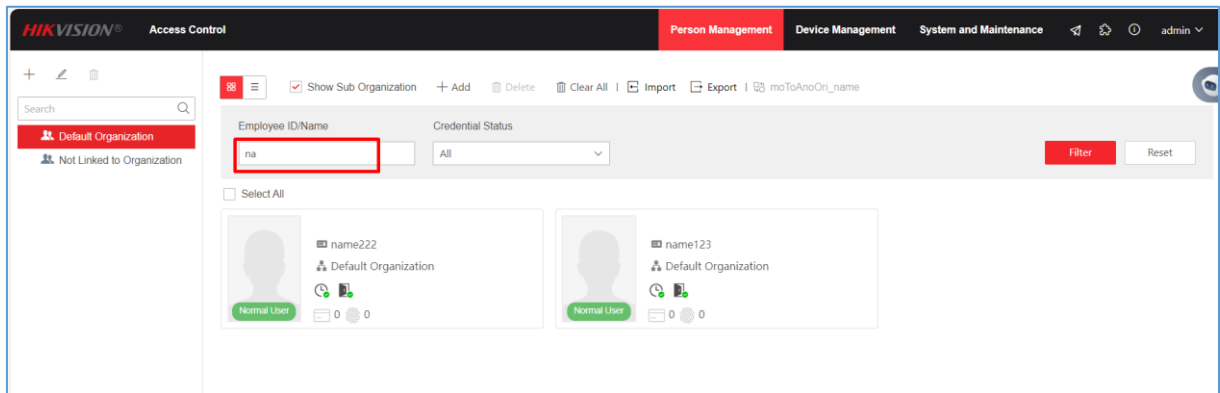


15. Added reminder with the buzzer or light on the reader before closing the door

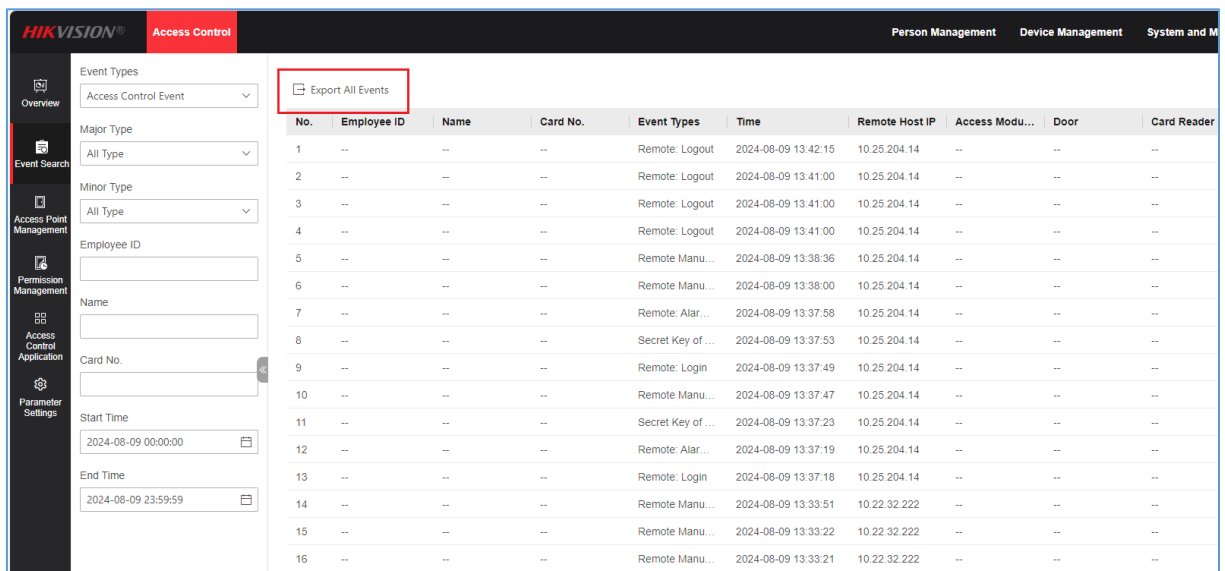


16. Added access detection function ("verified but person not passed the door" event record)

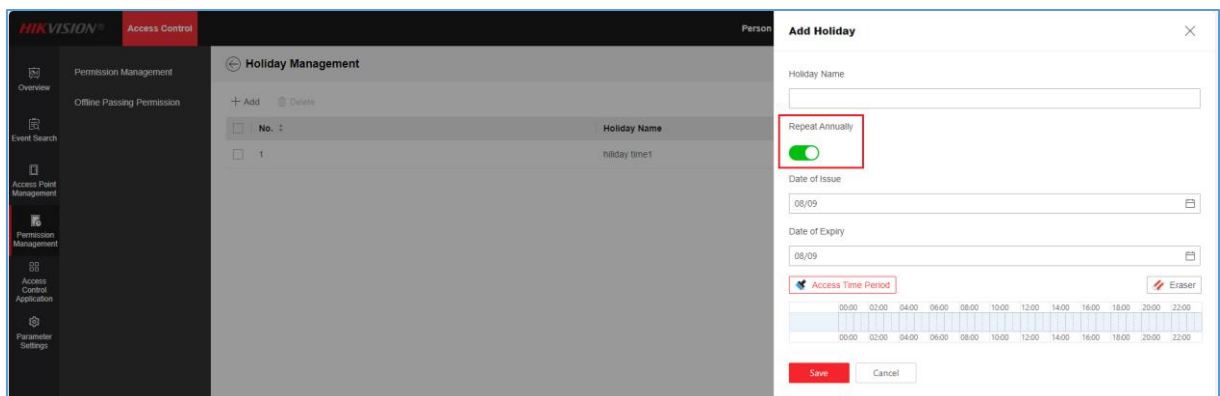
17. Add fuzzy name query function



18. Support exporting events from web page to excel file



19. Support adding holiday plan with annual repeat, supporting authentication plan copying (to other readers).



The screenshot displays the 'Access Control' interface with the 'Authentication Settings' tab selected. The left sidebar shows a tree view with 'Card Reader (Entrance)' highlighted. The main area is divided into two sections:

- Bluetooth Parameter Configuration:**
 - QR Code: ☒ (The function should be supported by card reader.)
 - Enable Bluetooth: ☒ (The function should be supported by card reader.)
 - *Device Name:
 - Transmitting Power:
 - Open Door via Bluetooth: ☒ (To use the function, enable device Bluetooth first.)
- Authentication Plan Configuration:**
 - Authentication: ☒ Card, ☐ Finge..., ☐ Card ..., ☐ Finge..., ☐ Finge... >>
 - A 24-hour timeline shows the authentication plan for the selected mode (Card).
 - Buttons:

20. Support clearing anti-pass back records by personnel

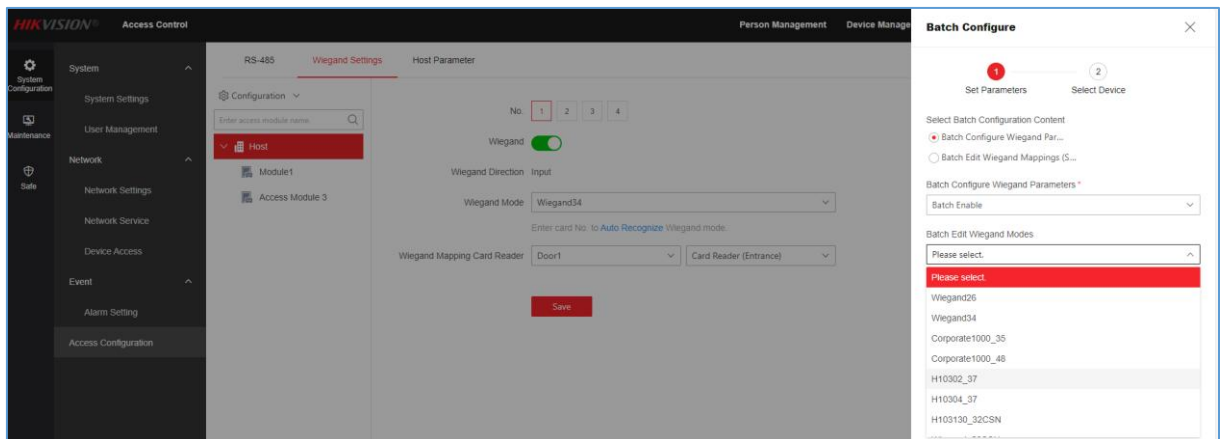
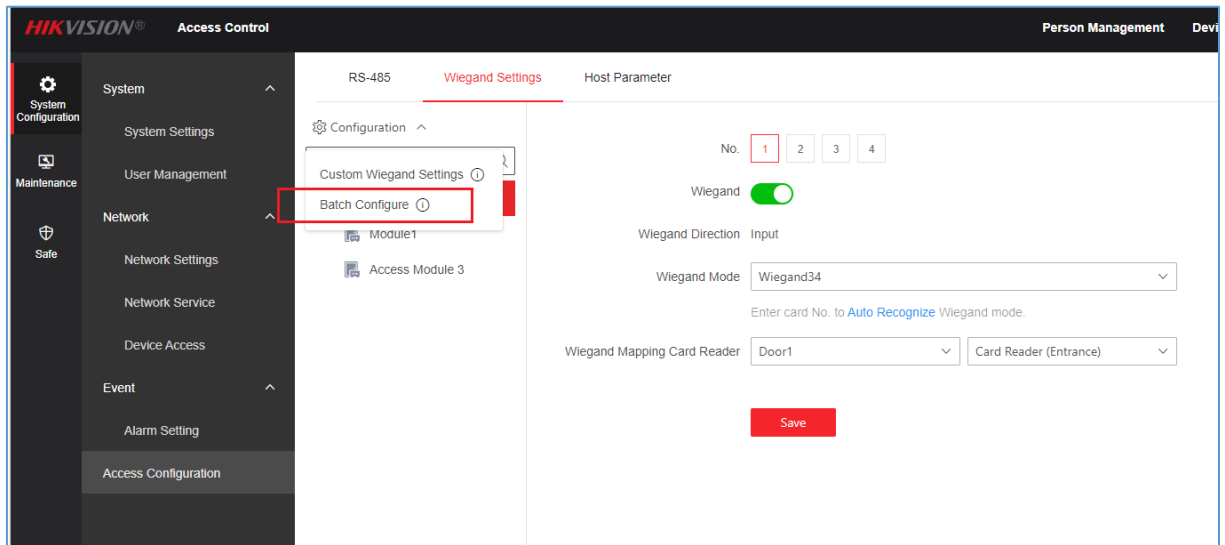
21. support event linkage with multiple input sources (any one of listed alarm input is triggered, the linkage will take effect),

The screenshot displays the 'Access Control' interface with the 'Linkage Settings' tab selected. The left sidebar shows a tree view with 'Add New Event and Card Linkage' highlighted. The main area is divided into two sections:

- Event Source:**
 - Name:
 - Linkage Type: ☒ Event Linkage, ☐ Card Linkage, ☐ Link Employee ID
 - Event Types:
 - Alarm Input:
- Alarm Input Table:**

☒	No.	Alarm Input	Device	Operation
☒	1	Alarm Input1	Host	Delete
☒	2	Alarm Input2	Host	Delete
☒	3	Alarm Input3	Host	Delete
☒	4	Alarm Input4	Host	Delete

22. support batch configuration of Wiegand parameters



23. Support remote door opening pop ups on the web interface during multiple authentication

DS-K270X Series Access Controller

V1.1.0_build240220 Release Note

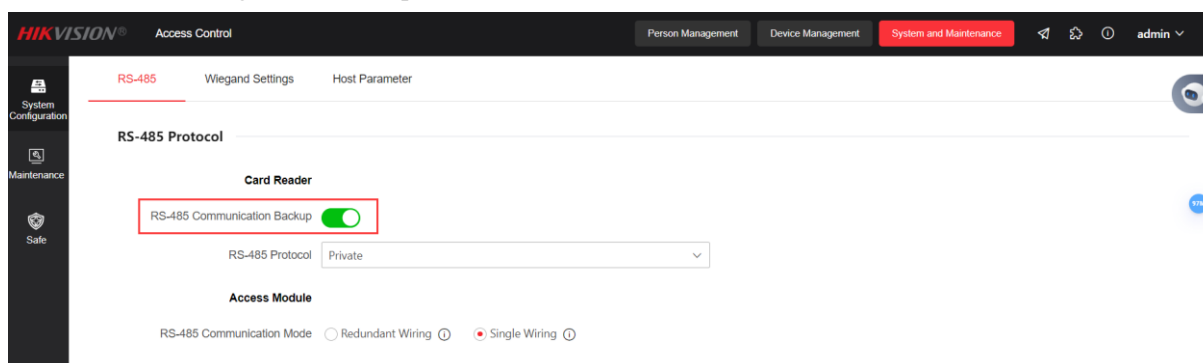
Device Model: DS-K2701X DS-K2702X DS-K2704X DS-K2702WX-E1 DS-K2708X DS-K2701X(P) DS-K2702X(P) DS-K2704X(P) DS-K2702WX-E1(P) DS-K2M002X Naming Rule: E1: POE P:plastic W:wifi	Device Firmware Version	DS-K270X: ACS_270X- FACTORY_F1Plus_EN_STD_V1.1.0_build240220.zip ACS_270X- FACTORY_F1Plus_EN_NEU_V1.1.0_build240220.zip DS-K2M002X: ACS_DS- K2M002X_M5S_GML_GM_V1.0.0_build20231017.zip
	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/hik-central-access-control-v2-2-0/

Reason for Release:

Fix bugs, enhance product quality and meet customers' requirements.

New Features:

1. Expansion model 2708X with a maximum of 62 sub modules.
2. Compatible with both route anti-passback and platform anti-passback, which can be configured simultaneously.
3. Modify RS485 communication backup configuration to enable by default. Then you can connect the card reader using the RS485G port.



Fix Bugs:

1. Fix the issue of expired personnel certification reports issued by the HCP platform.
2. Fix the issue of abnormal event status in the Eviz platform.
3. Fix errors when searching for people under suborganizations on the web Person management page.
4. Fix the issue of inaccurate event time reported by the device to the platform. The time for reporting events to the platform is always one hour faster than the actual time.

5. Fix the issue on the HCP platform where opening the offline sub module door on the DS-K270X main controller causes the door status to change from offline to online.

DS-K270X Series Access Controller

V1.1.0_build231018 Release Note

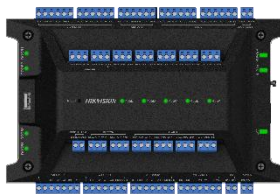
Device Model: DS-K2701X DS-K2702X DS-K2704X DS-K2702WX-E1 DS-K2708X DS-K2701X(P) DS-K2702X(P) DS-K2704X(P) DS-K2702WX-E1(P) DS-K2M002X Naming Rule: E1: POE P:plastic W:wifi	Device Firmware Version	DS-K270X: ACS_270X_F1Plus_EN_STD_V1.1.0_build231018.zip ACS_270X_F1Plus_EN_NEU_V1.1.0_build231018.zip DS-K2M002X: ACS_DS-K2M002X_M5S_GML_GM_V1.0.0_build20231017.zip
	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/hik-central-access-control-v2-1/

Reason for Release:

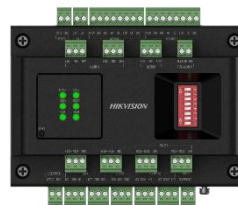
New model DS-K270X series access controller first time released.



DS-K270X



DS-K270X(P)

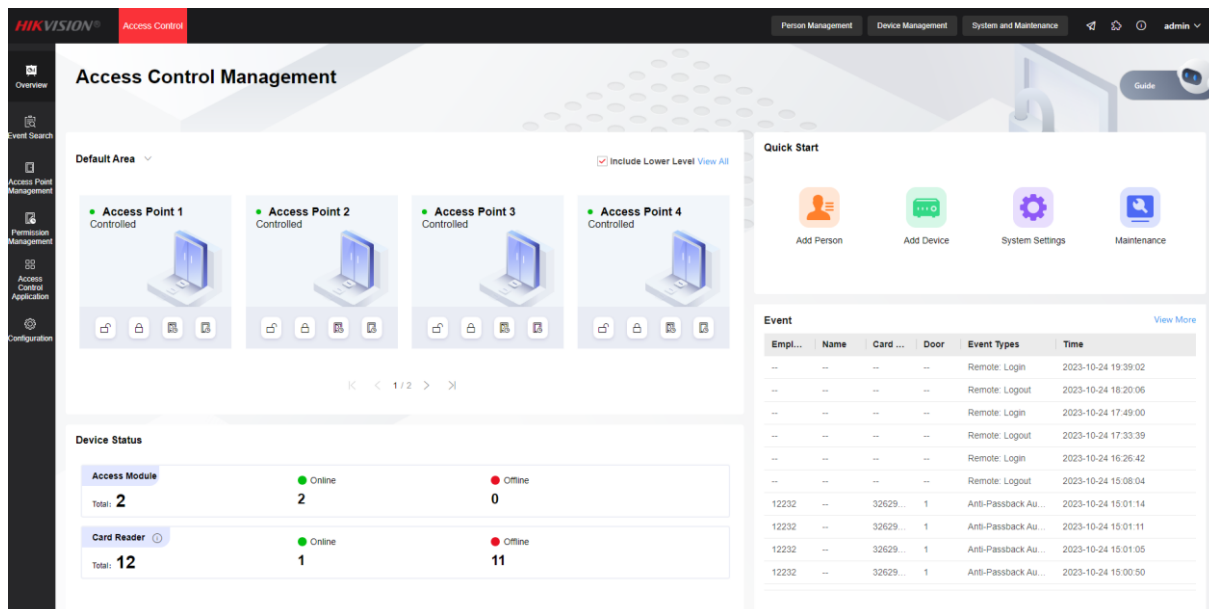


DS-K2M002X

New Features

5. Supports Max. 128 doors(realized by connecting Max.62 2-door distributed controllers)
6. Capacity :Supports up to 100,000 users(including 200,000 cards, 200,000 PIN codes, 10,000 fingerprints) and 600,000 event records
7. Supports authentication mode: Fingerprint, card, PIN code or other combined authentication modes such as card+PIN, card+fingerprint, card+fingerprint+PIN
8. Supports access plan management: supports up to Max. 256 access plan template, 256 workday templates(Max. 8 time periods per day) and 1024 holiday templates; supports remain open or closed period management
9. Support advanced function:
 - a. Anti-passback(supports anti-passback between Max.32 doors)
 - b. Multi-factor authentication: open door after multiple people's authentication with card, PIN or fingerprint
 - c. Multi-door interlocking(supports multi-door interlocking between Max. 32 doors)
 - d. First person function(including remain open and authorization)
 - e. Open door with super password or duress code
 - f. Lock door when door is closed
10. Supports event uploading: upload device authentication result to platform when device is online. Support offline event re-uploading : upload events generated when device is offline to platform when connecting with platform again
11. Supports alarm: tamper alarm, door abnormally open alarm, open door time out alarm, duress card and duress code alarm and so on
12. Supports alarm linkage: has alarm input interface to connect with external alarm IO signal and generate alarm record; has alarm output interface to realize event linking alarm output function
13. Supports fire alarm linkage: embedded fire alarm relay can realize opening door when receiving fire alarm signal
14. Supports battery backup: has interface for connecting battery. When AC power is off device can switch power method to battery without interval. When AC power is restored device can charge battery automatically and it supports battery low voltage alarm
15. Supports status indicator: has status indicator of power, network communication, RS-485 communication, arming by platform, door lock status, providing ease for configuration and troubleshooting

16. Supports hardware reset : has reset button, long press reset button can realize restore device
17. Supports multiple upgrade methods: supports upgrade with USB drive ,web client and platform control client
18. Support management via web client: all configuration can be set up via web client without platform



19. E1 model supports POE function: supports power for up to 2 doors ,2 locks(total power less than 10W) and 4 readers

Customer Impact and Recommended Action

This new firmware upgrade is to improve product performance, and will take effect automatically after upgrading from previous versions. We'd like to inform you the above changes. Also, we are sorry for any possible inconvenience of use-habit changes caused by this action.

For questions or concerns, please contact our local technical support team.

Note:

- Hikvision has all rights to alter, modify and cancel this notice.
- Hikvision doesn't give any guarantee for old models' stock.
- Hikvision is not liable for any typing or printing errors.
- For special model's change details, please contact our local technical support team.

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