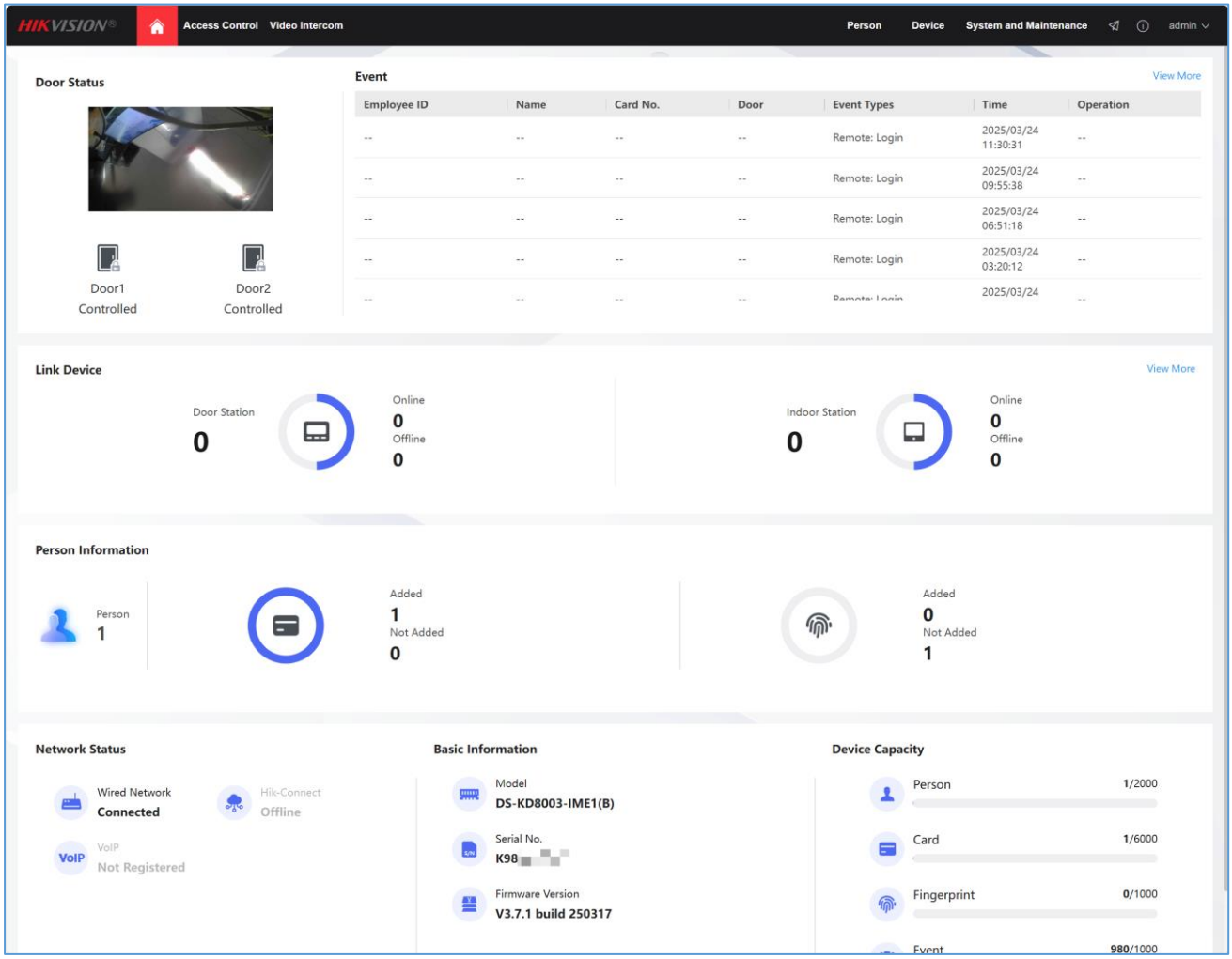
KD8 (-B) Modular Door Station(Main Module)

Release Note (2025-07-10)

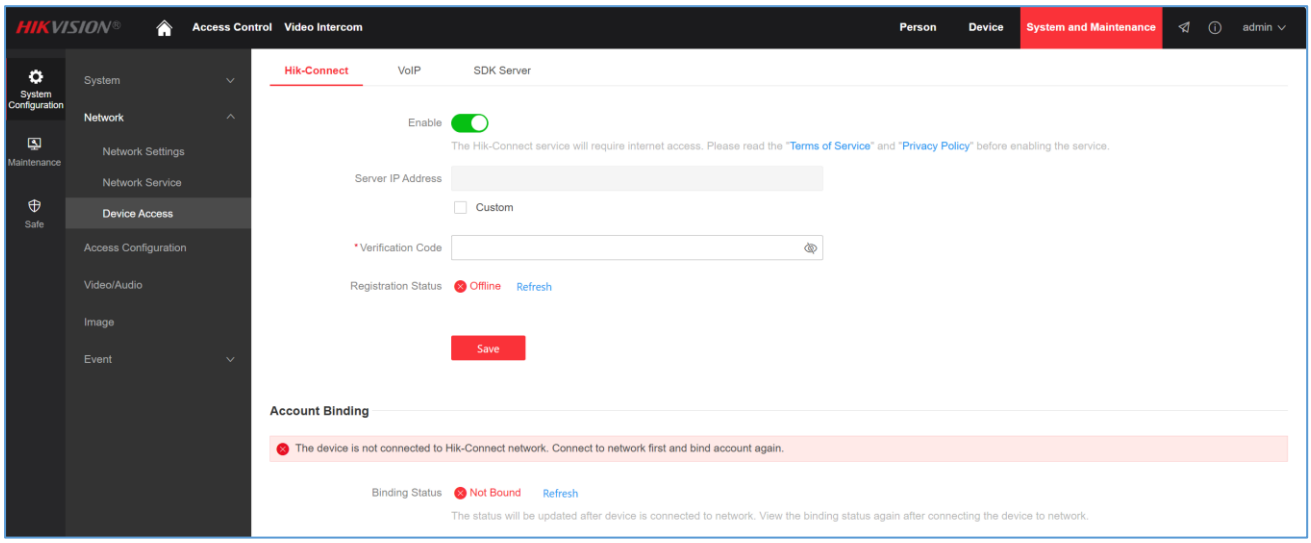
Device Model	Firmware Version
DS-KD8003-IME1(B), DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush, DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS, DS-KD8003Y-IME2 DS-KD8003Y-IME2/S, DS-KD8003Y-IME2/NS DS-KIS602(B)，DS-KIS702Y	V3.7.1_build250709
DS-KD-TDE, DS-KD-TDM	V1.0.2_build250315
DS-KD-MFB	V1.0.1_build250513

New Features

1. Update to new webpage UI



2. Support Hik-Connect function (only support Hik-Connect Team mode), add device to and manage in Hik-Connect Team and Hik-Partner Pro app.

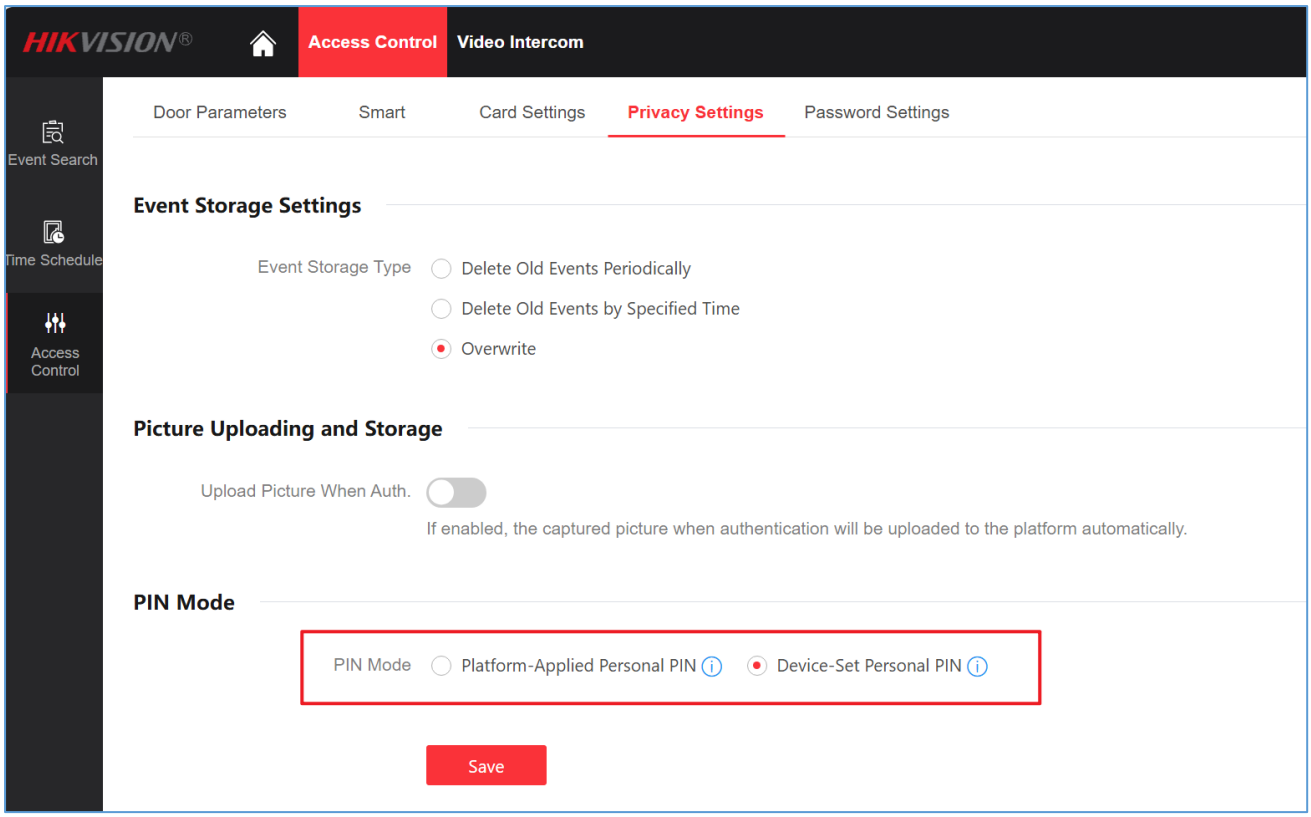


3. Support PIN code and 2 modes: Device-Set Personal PIN and Platform-Applied PIN. And the input format on keypad is same as public password: **#PIN#**

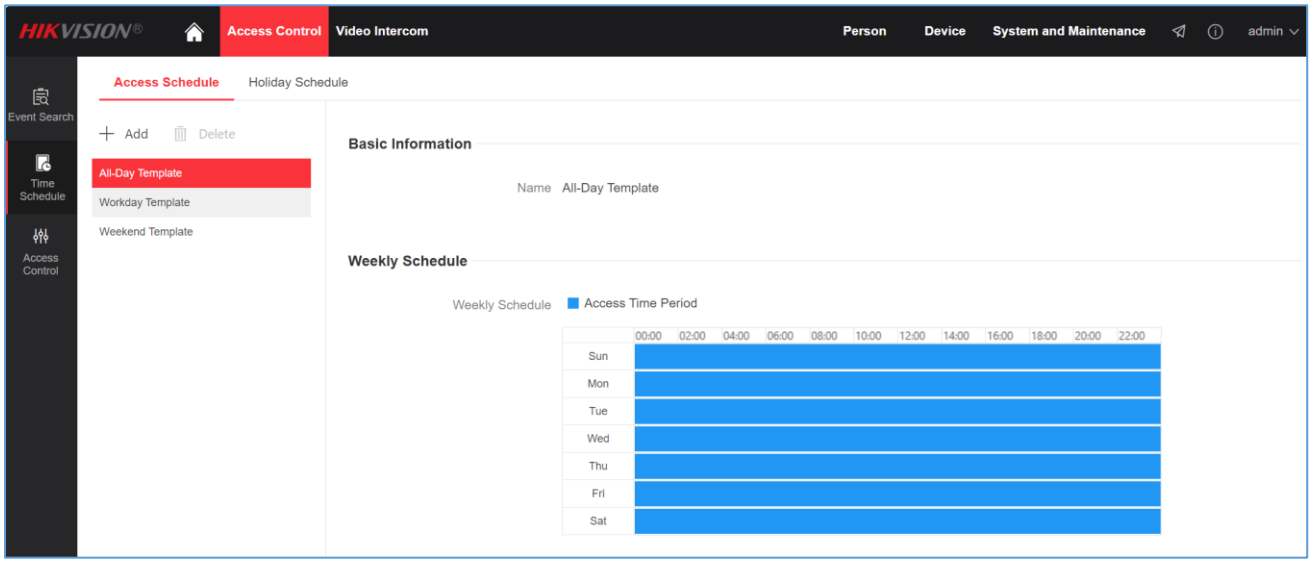
Note：a) When it’s in platform mode, the PIN can only be configured from iVMS-4200, HikCentral and Hik-Connect Team mode.

b) If only single device, it’s recommend to use Device-Set Personal PIN, which is easier to configure from webpage; If multiple devices, it’s recommend to use Platform-Applied PIN and manage personnel and PIN from software and duplicate PIN is not allowed

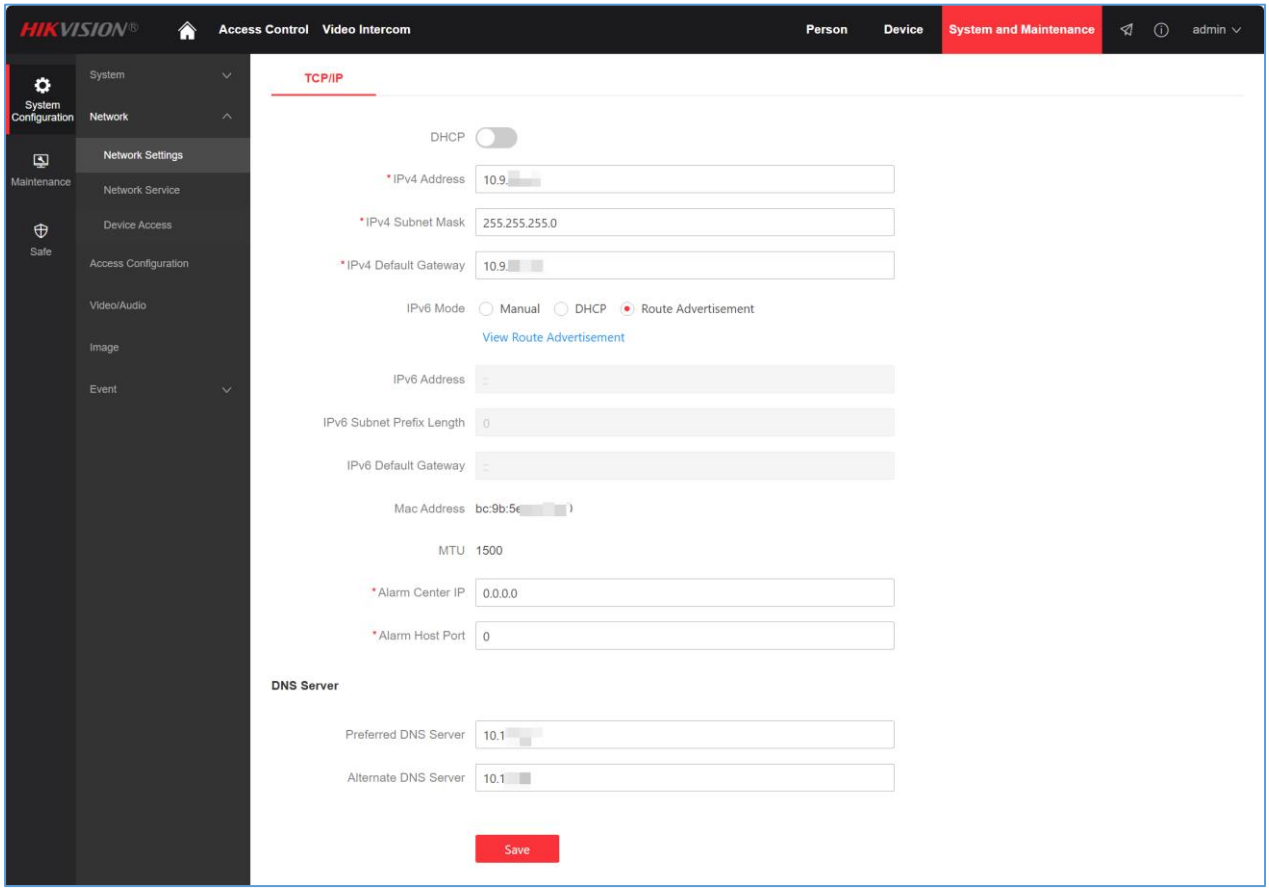
c) If you want to add personal PIN from indoor station, please make sure the mode is platform-applied personal pin.



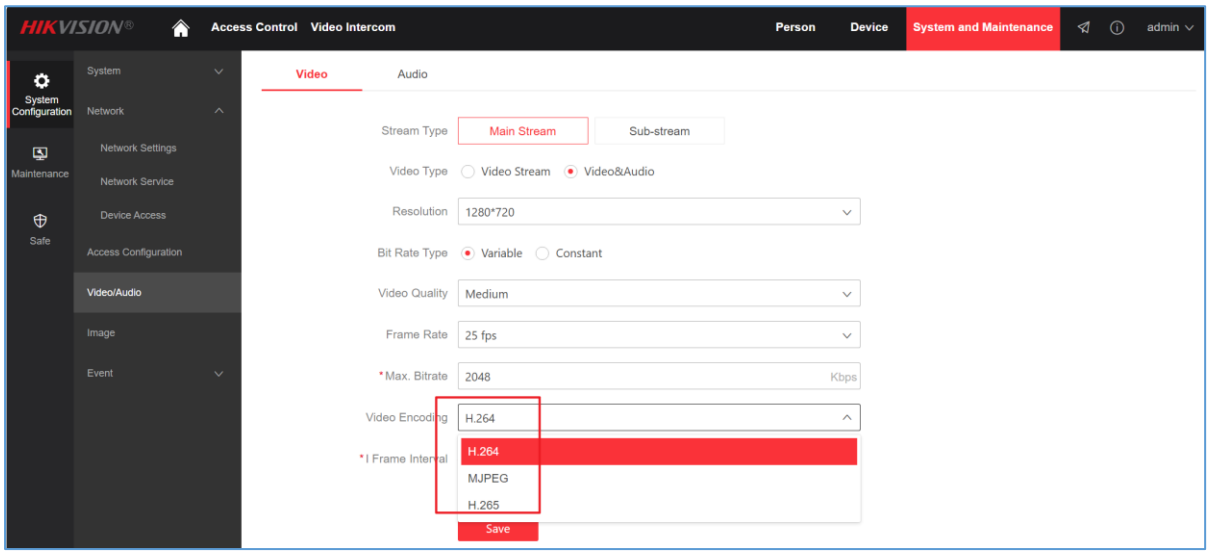
4. Support Access Schedule and the verification will only work during the valid time period.



5. Support IPv6 network



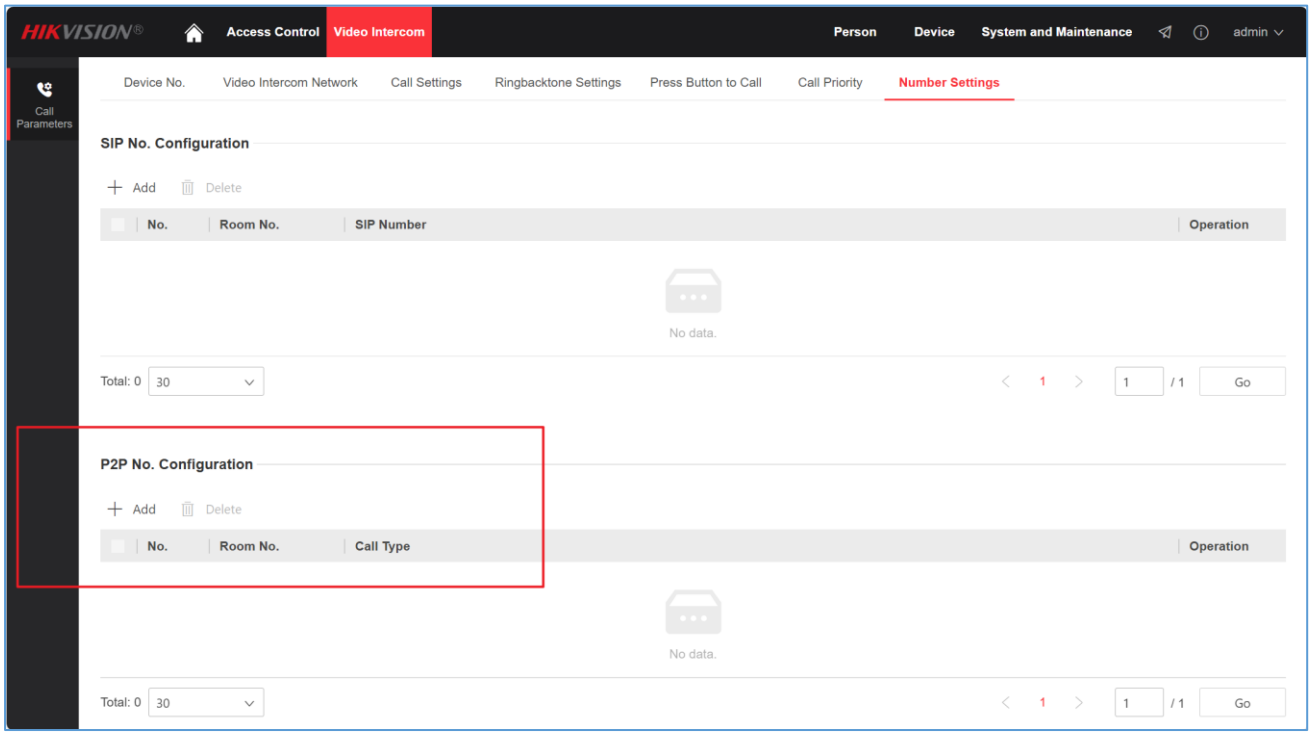
6. Support ONVIF protocol (tested device login, camera live view, remote configuration for the time and password reset)
7. Support H.265 and M.JPEG video format, it's H.264 by default



8. Add new language *Latin American Spanish* and now support 36 languages in total: English, Arabic, European French, Russian, European Spanish, Latin American Spanish, Italian, German,

Polish, Turkish, Portuguese, Brazilian Portuguese, Uzbek, Kazakh, Czech, Hungarian, Dutch, Romanian, Bulgarian, Ukrainian, Croatian, Serbian, Greek, Lithuanian, Estonian, Latvian, Norwegian, Danish, Slovenian, Slovak, Hebrew, Swedish, Finnish, Mongolian, Vietnamese, Traditional Chinese, Latin American Spanish

9. Support P2P call function in standard SIP.

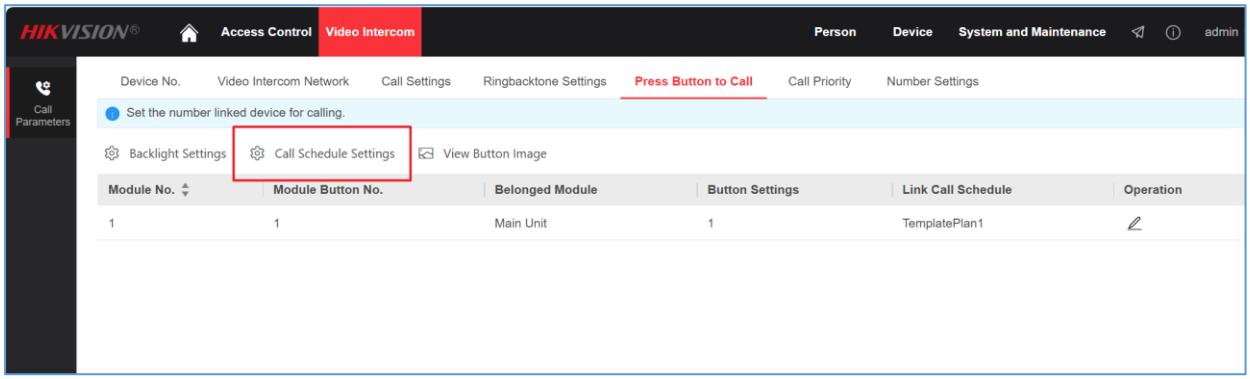


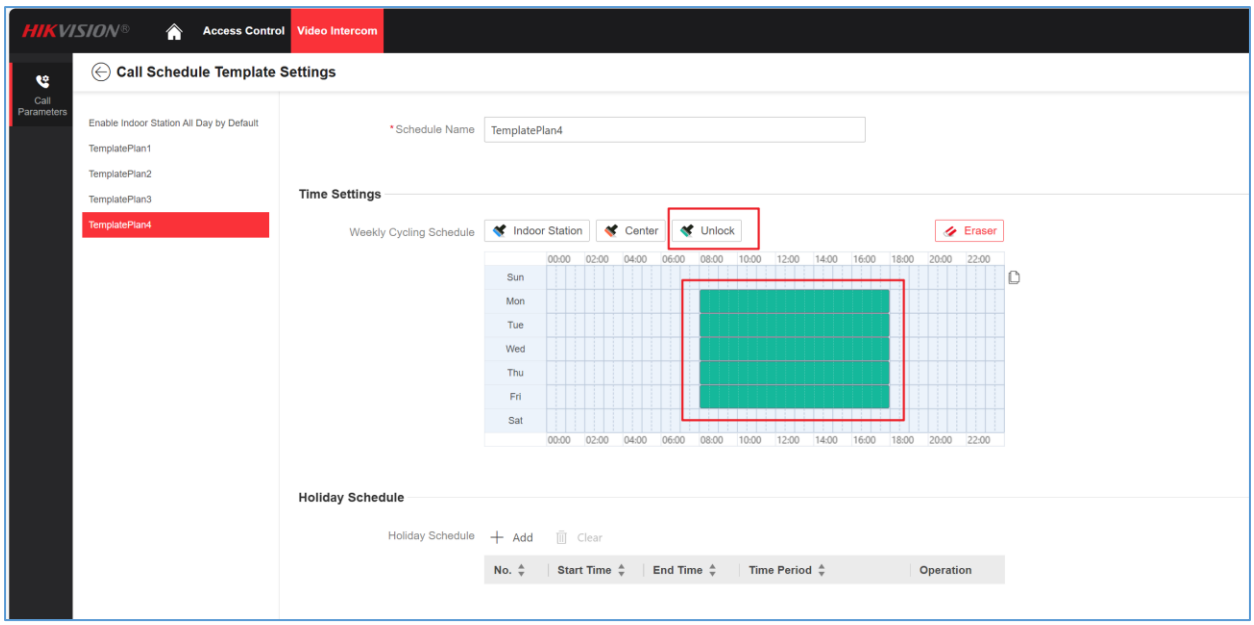
10. Support trade button (automatically unlock door after receive call) function.

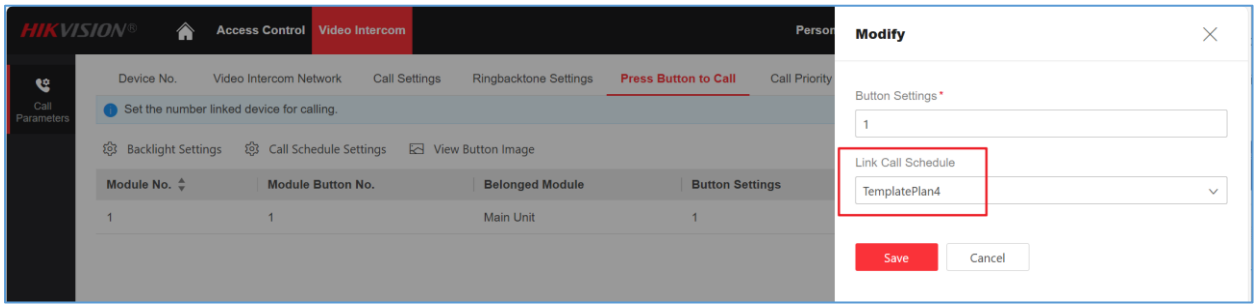
For example, if you set same schedule as below pictures, the door will unlock automatically after receive the call from button1 between Monday to Friday 8:00-18:00

***Note**:*

1) *Each button (of main module and nametag DS-KD-KK or DS-KD-K12 module) can only be linked to one template only.*
2) *Only lock1 will be open automatically, lock2 doesn't support trade button function.*



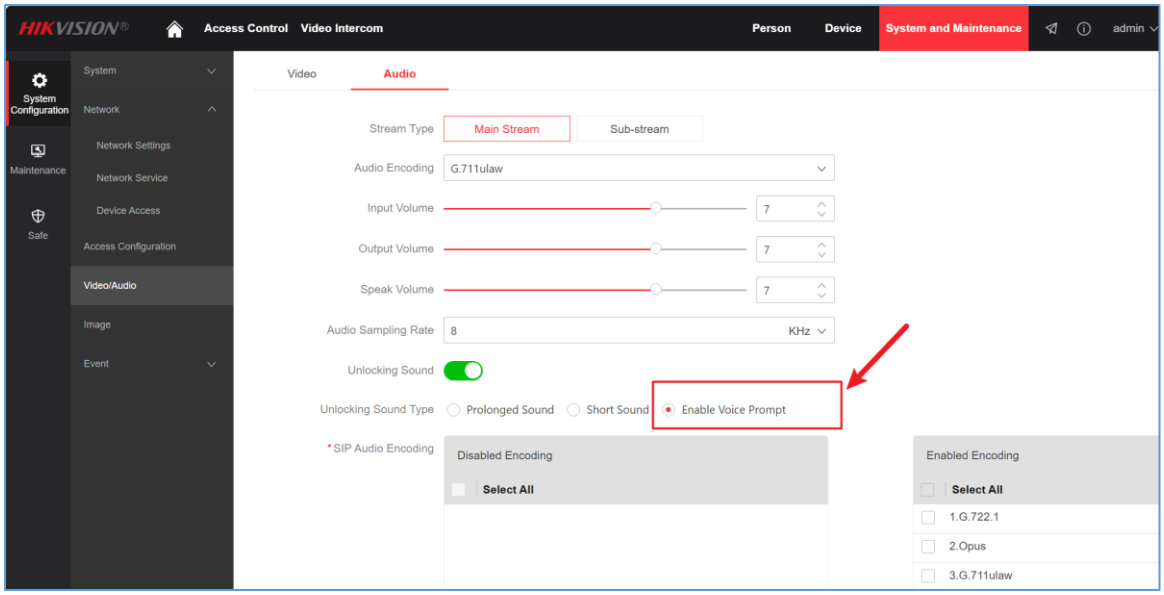




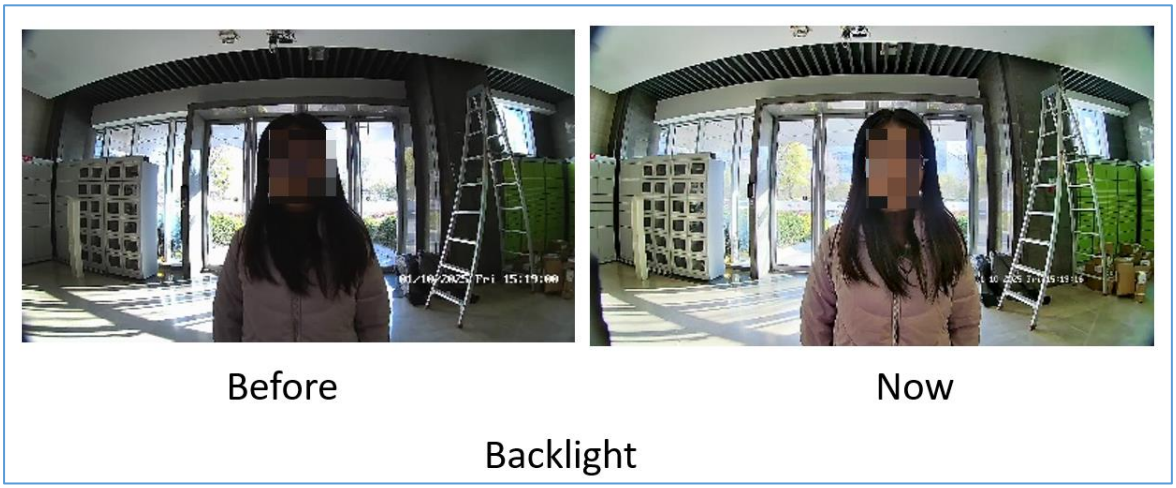
11. Support adding card with master card on DS-KD-MFB sub module, please make sure MFB module firmware is V1.0.1_build250513 or later.

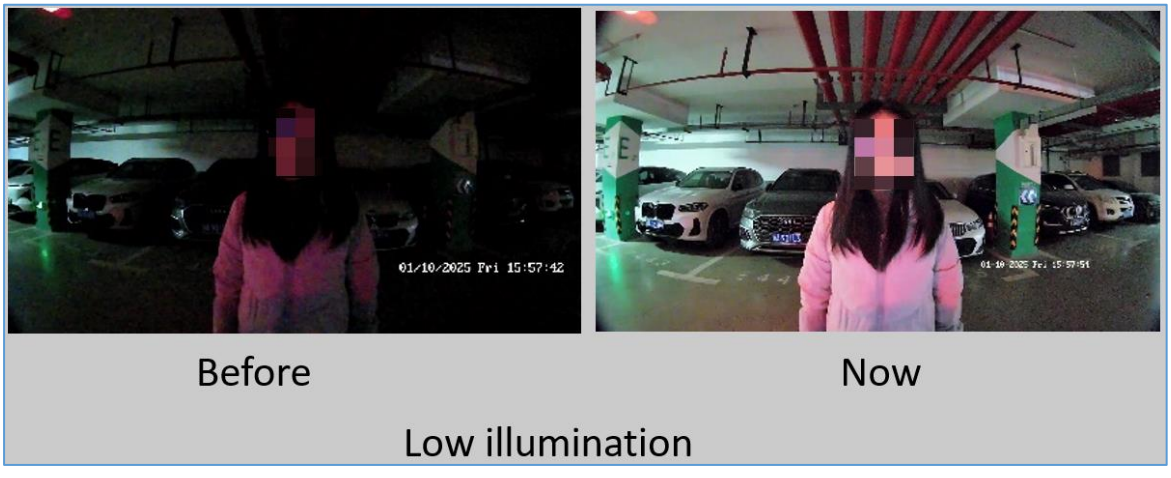
Modified Feature:

1. Add voice prompt “The door is open” back. Now we have 4 options, disable unlocking sound, short beep sound, long beep sound and voice prompt “The door is open”.



2. Video quality improvement
   1) WDR enabled by default.
   2) Video quality remains clear even when backlit or in low light

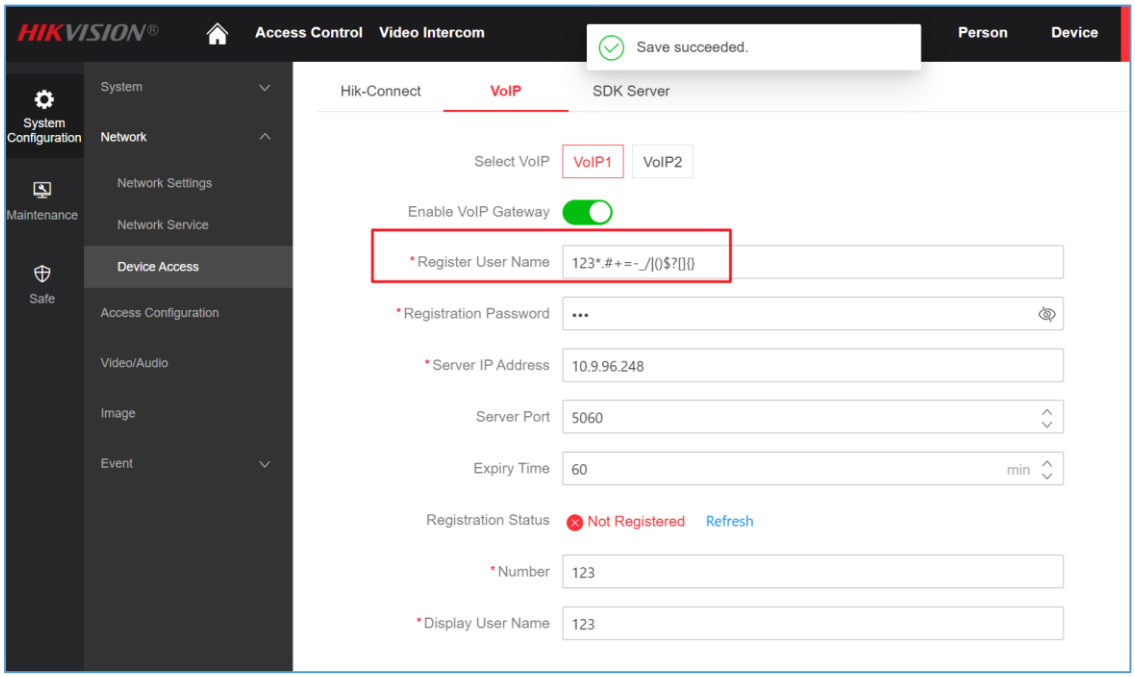




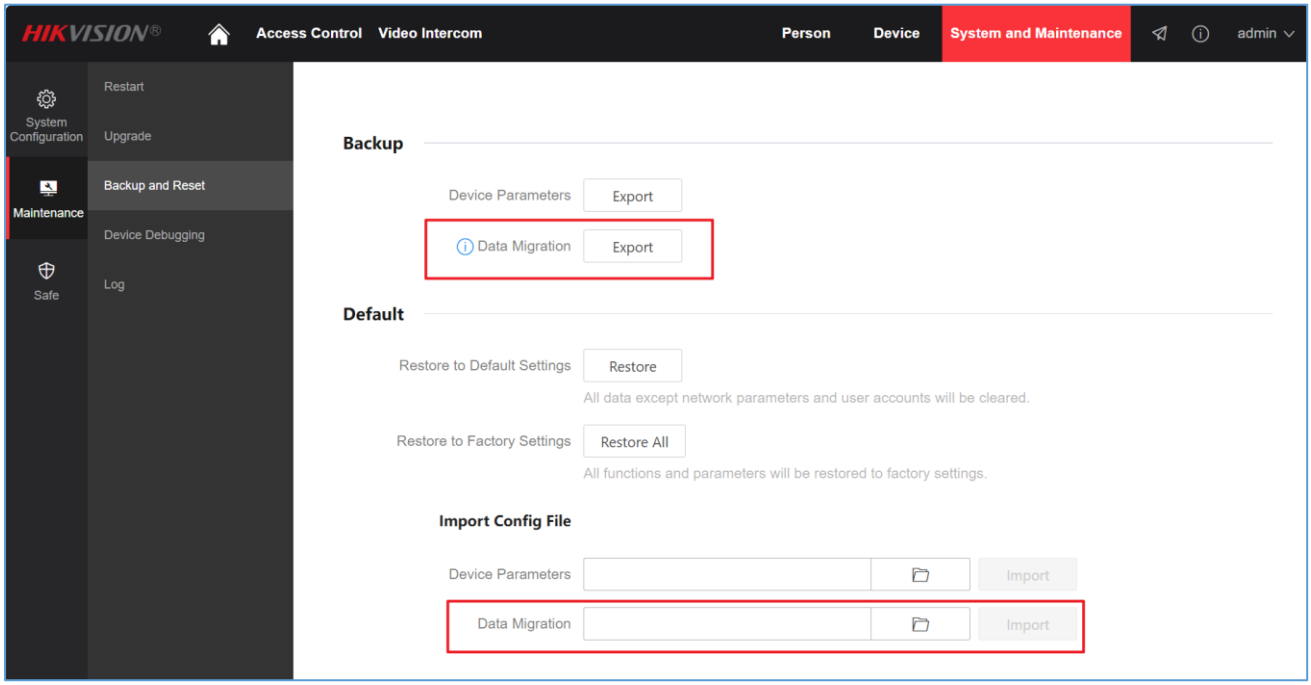
3. Compatible with more SIP server brands
   (1)ASTERISK (2)FreePBX (3)3CX (4)ELASTIX (5)PBXware (6)miniSipServer (7)Brekeke (8)OpenSIPs (9)Kamailio (10)Grandstream (11)Yeastar

Note: Only test registration, calling, auto answer, P2P calling, it's not for other advanced function of SIP server.

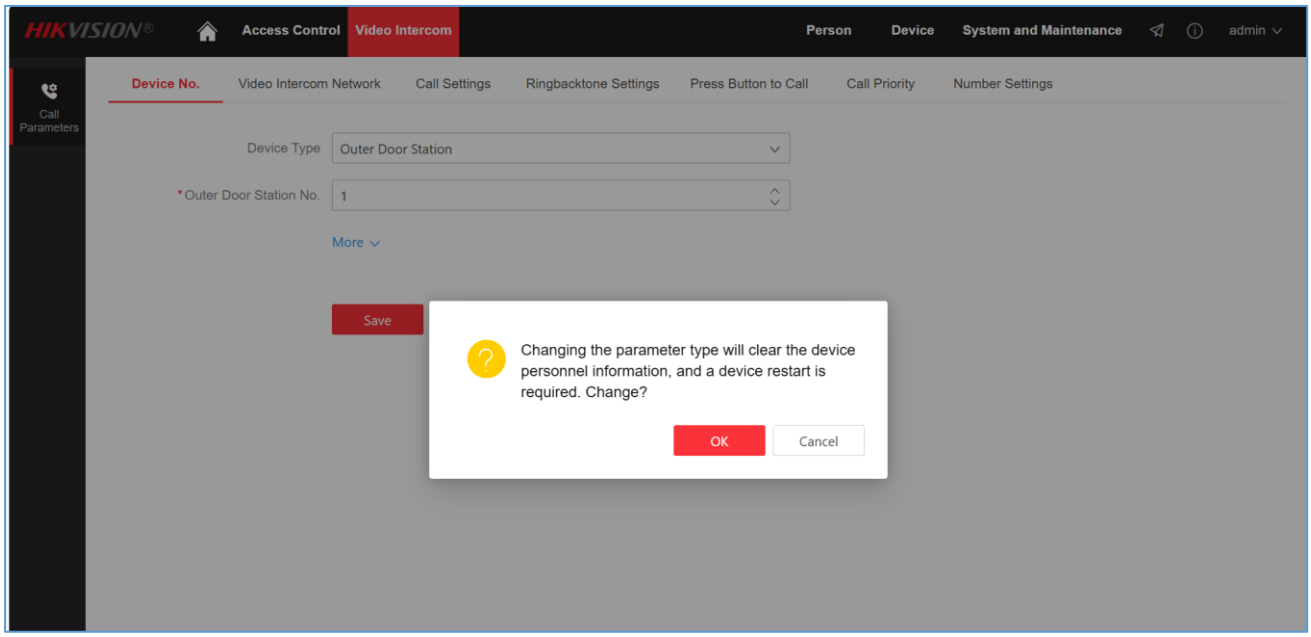
4. Support 2 sip lines and input special characters in SIP number settings, including *.#+=-_/|()$?[]{}



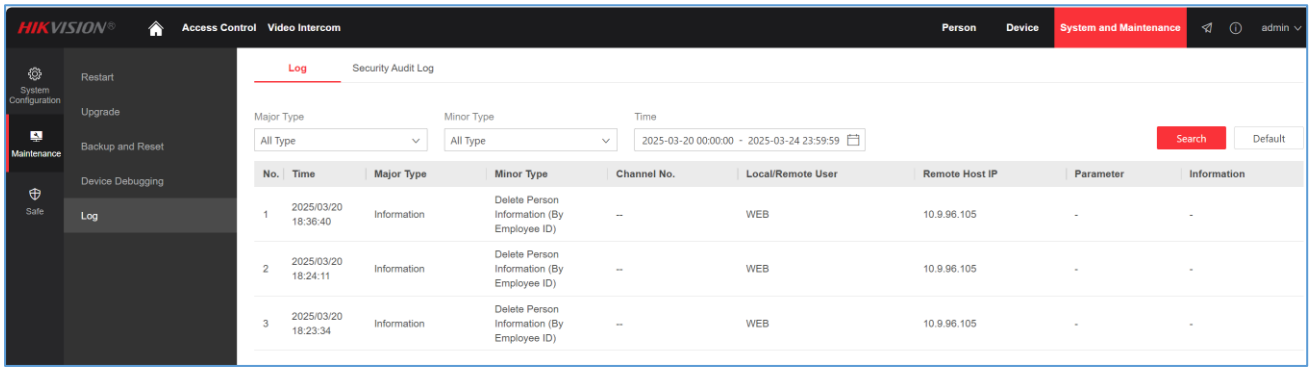
5. Support data export and import.
   ***Note**:*
   a. *The data exported and imported devices should share same model and firmware version in case of any data format incompatibility.*
   b. *The data includes user information, door station parameters configuration data, ringtone and etc.*



6. When changing the device mode between door station and outer door station, all personnel data will be deleted, please take care for the data loss, and add the prompt as below picture.

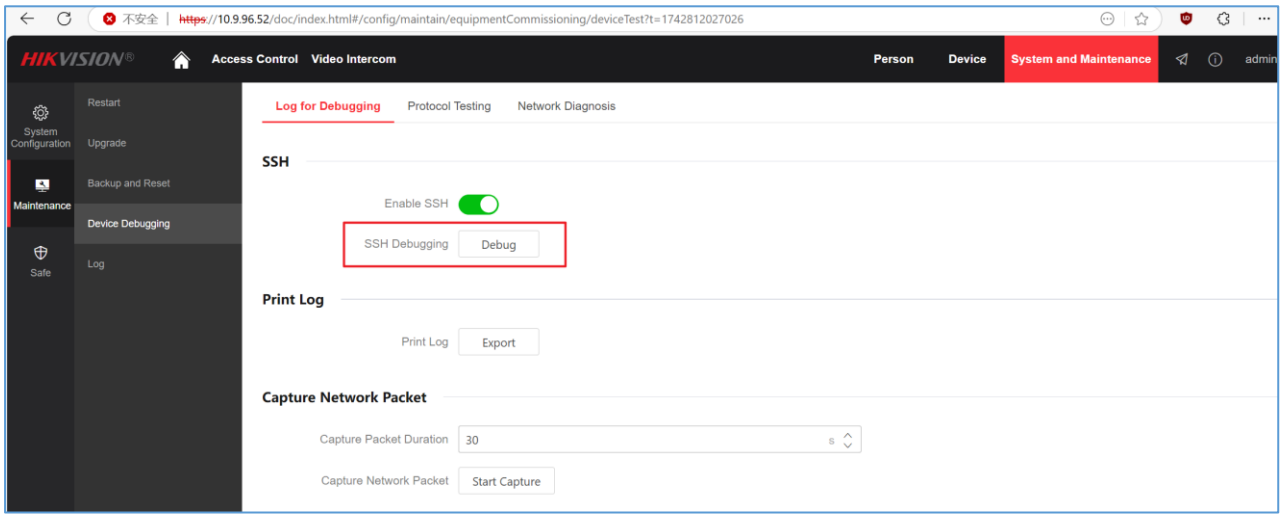


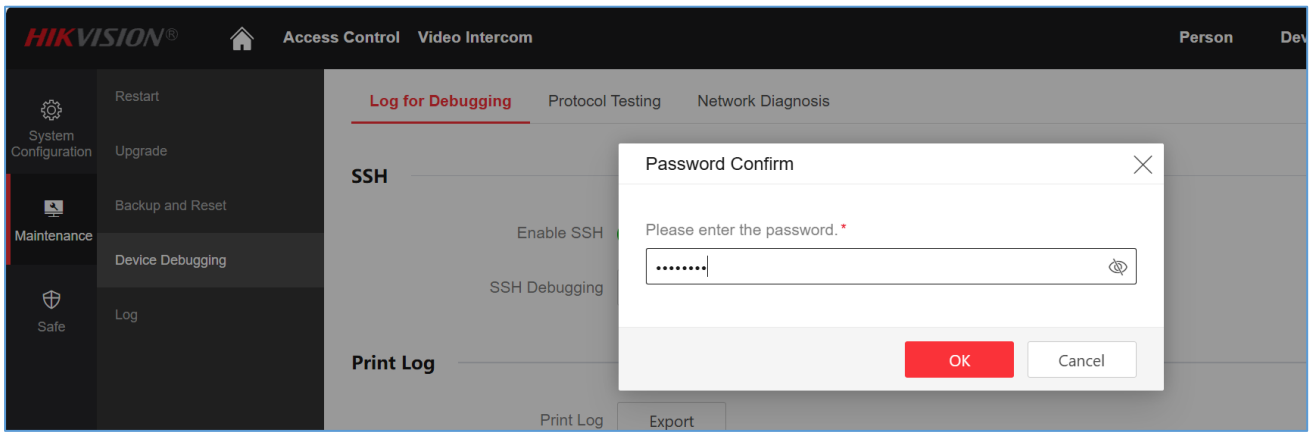
7. Support operation log search(max 1,000), including unlock records, call elevator records, tamper alarm, login in/out records, etc.

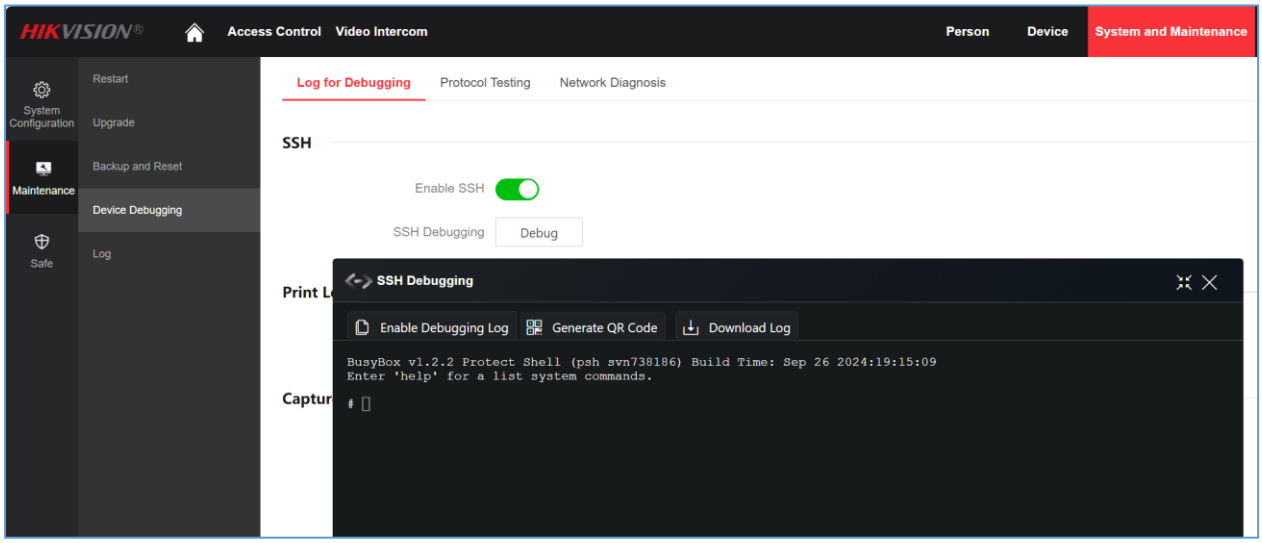


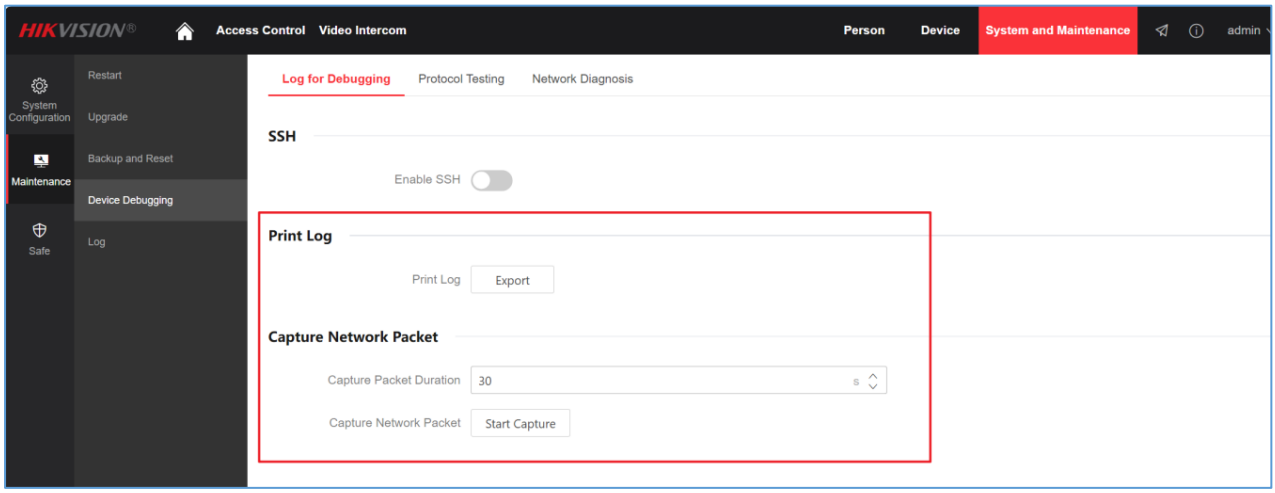
8. Support web SSH, key logs export, ping tools, capture network packet on the webpage for easier technical diagnose

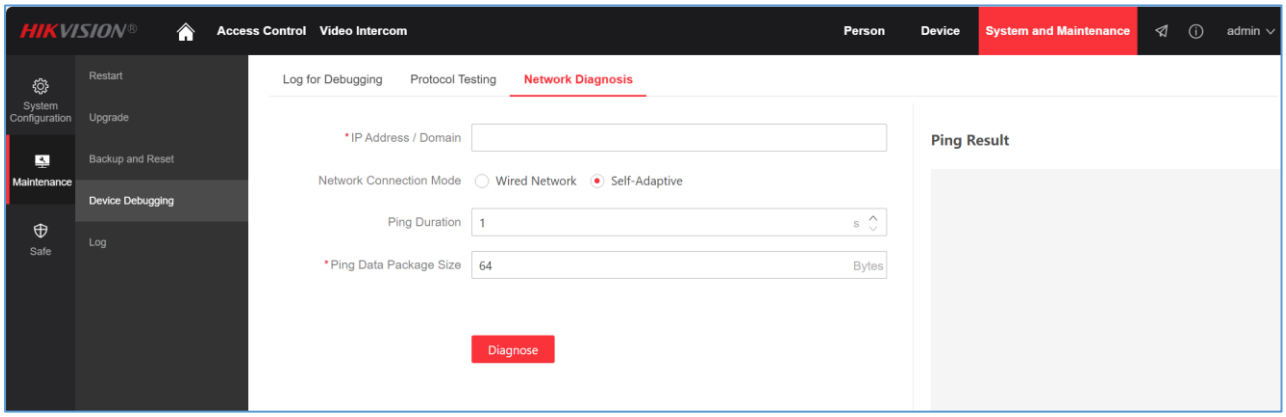
   Note**: web SSH function is only available in HTTPS protocol, please login device webpage with https. For example **https://device ip address/



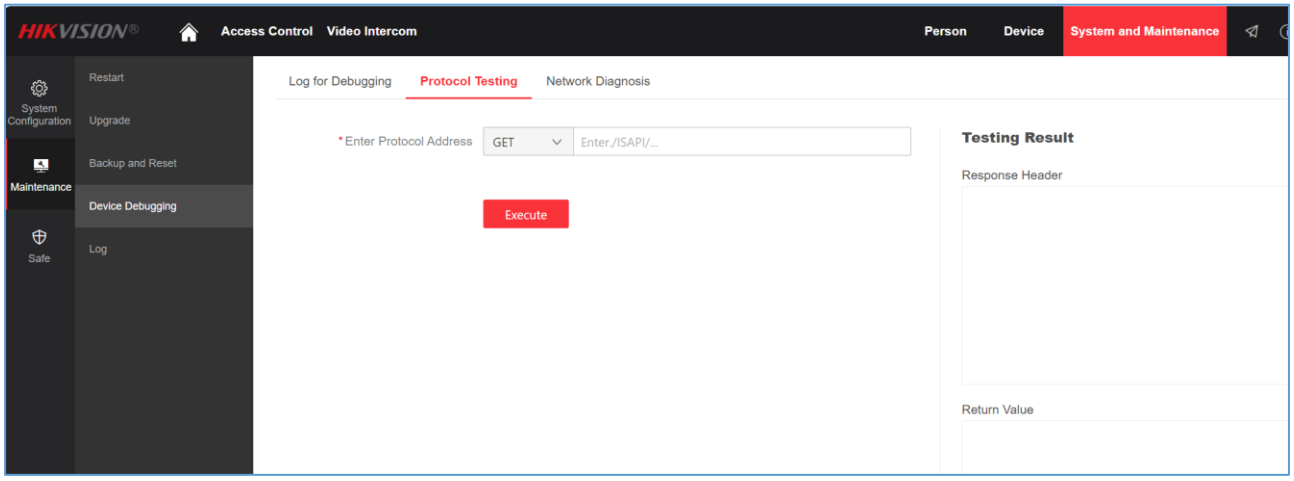


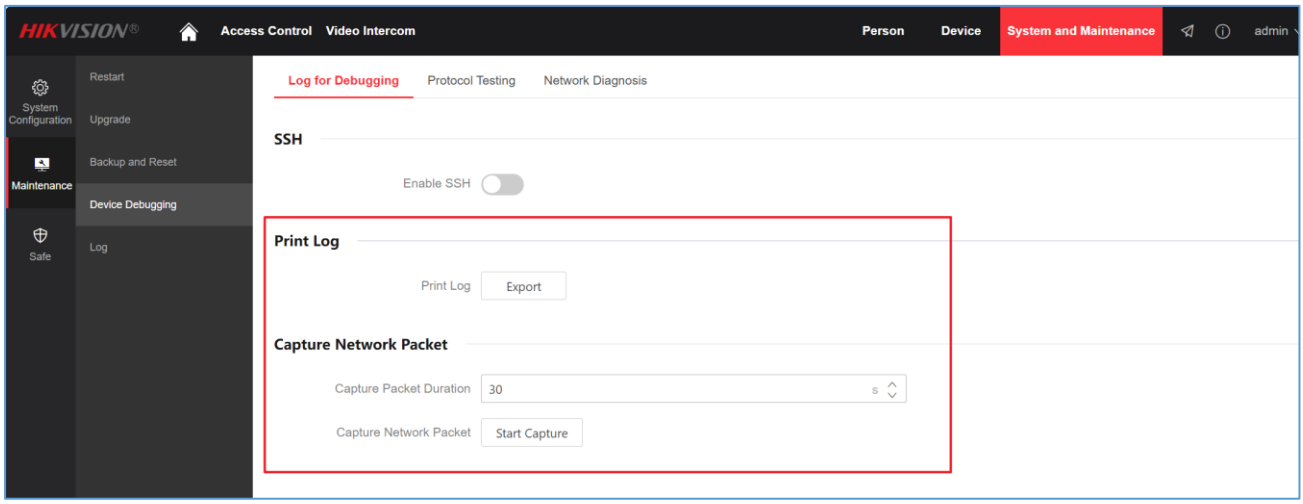


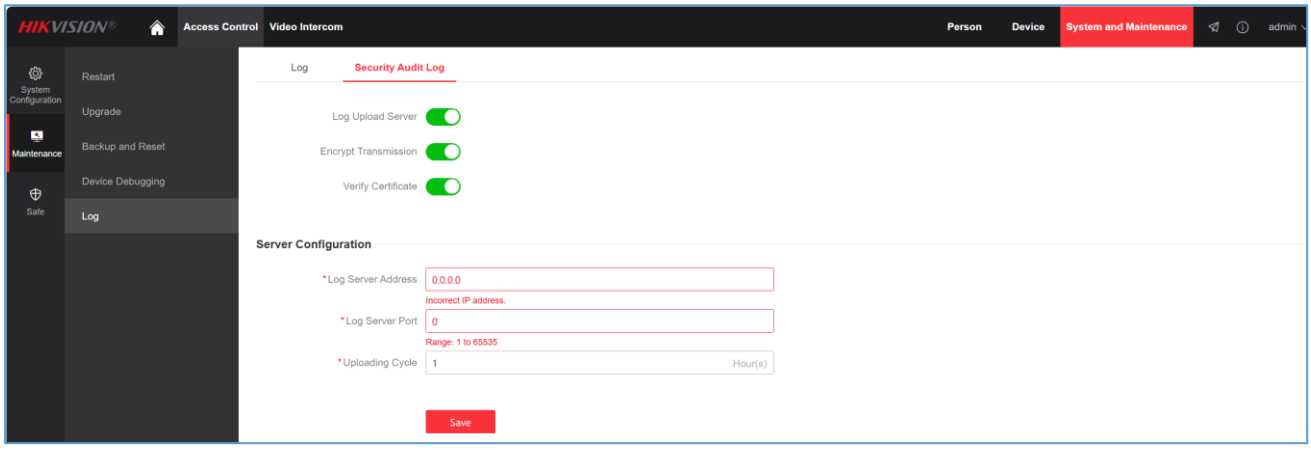


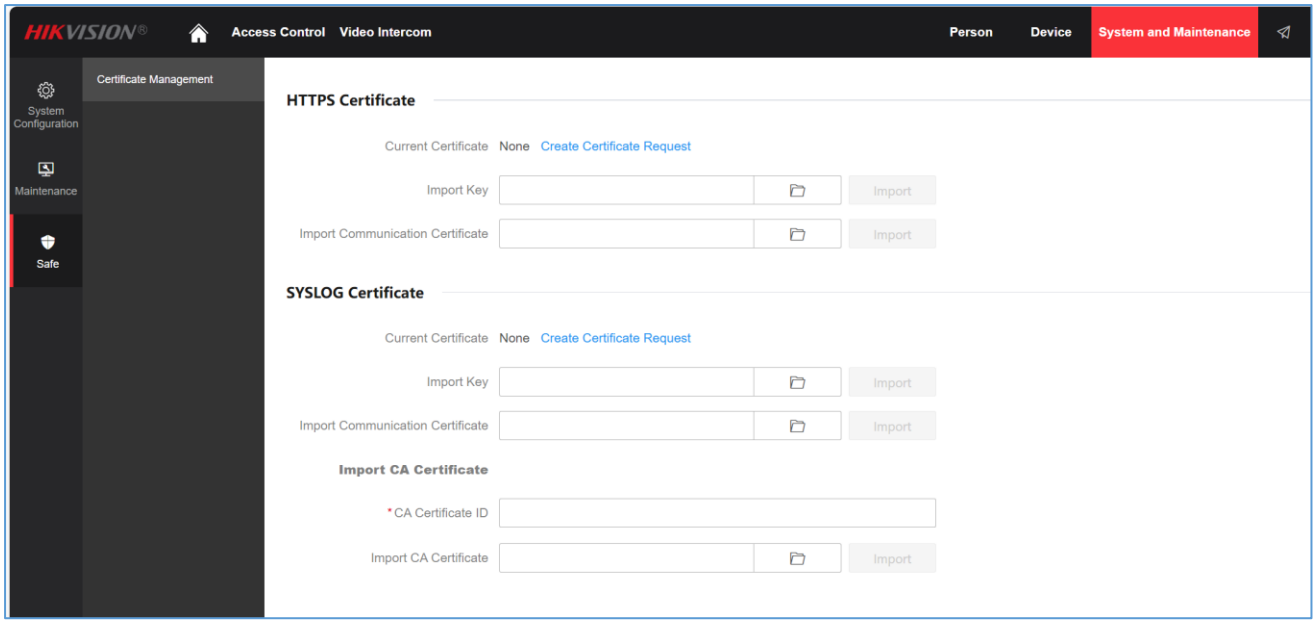


9. Support protocol testing, security audit log uploading, https certificate import for easier integration and higher security.


HIKVISION
Access Control
Video Intercom
Person
Device
System and Maintenance
System Configuration
Maintenance
Safe
Restart
Upgrade
Backup and Reset
Device Debugging
Log
Log for Debugging
Protocol Testing
Network Diagnosis
*Enter Protocol Address
GET
Enter./ISAPI/...
Execute
Testing Result
Response Header
Return Value


HIKVISION
Access Control
Video Intercom
Person
Device
System and Maintenance
admin
System Configuration
Maintenance
Safe
Restart
Upgrade
Backup and Reset
Device Debugging
Log
Log for Debugging
Protocol Testing
Network Diagnosis
SSH
Enable SSH
Print Log
Print Log
Export
Capture Network Packet
Capture Packet Duration
30
s
Capture Network Packet
Start Capture

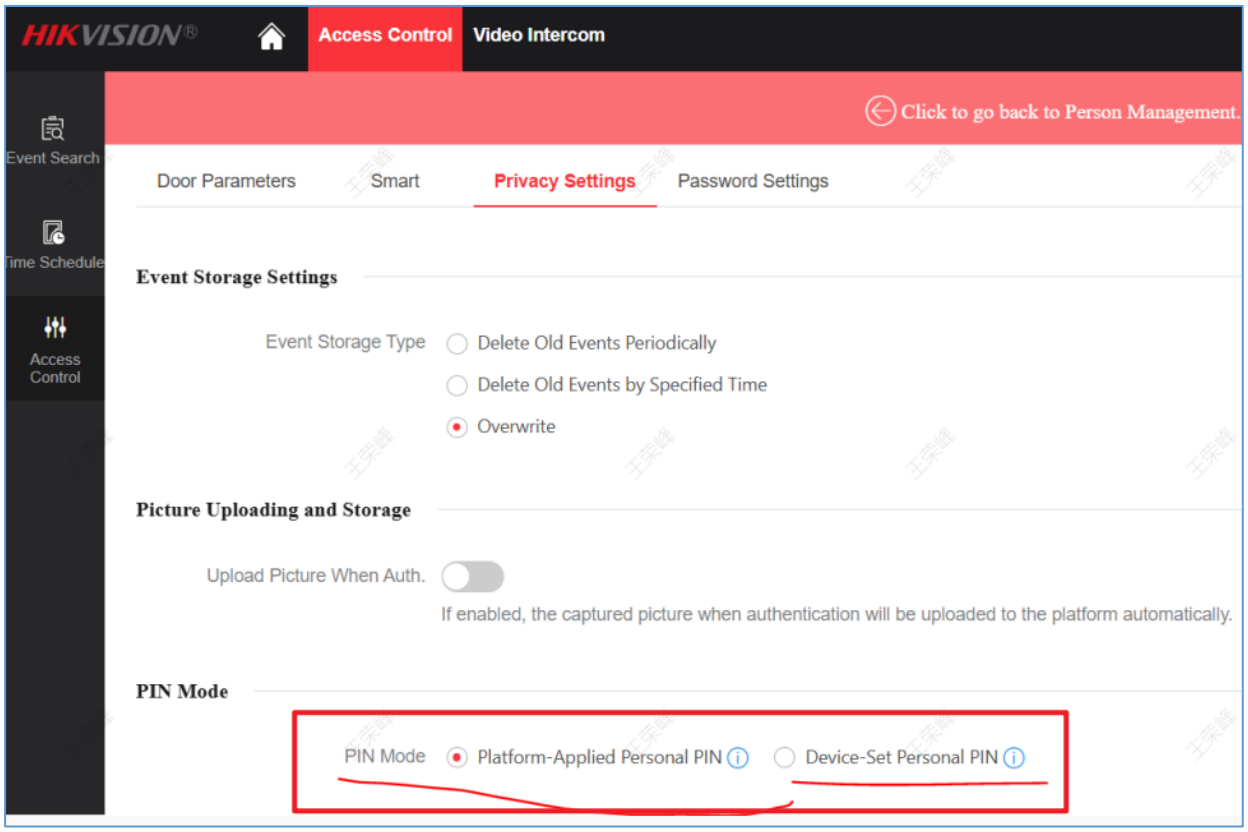

HIKVISION
Access Control
Video Intercom
Person
Device
System and Maintenance
admin
System Configuration
Maintenance
Safe
Restart
Upgrade
Backup and Reset
Device Debugging
Log
Log
Security Audit Log
Log Upload Server
Encrypt Transmission
Verify Certificate
Server Configuration
*Log Server Address
0.0.0.0
Incorrect IP address.
*Log Server Port
0
Range: 1 to 65535
*Uploading Cycle
1
Hour(s)
Save



KNOWN ISSUE

When adding person & PIN from indoor station (V2.2.100_250114) local screen and sync to door station, please make sure the PIN mode in door station webpage is Platform-Applied Personal PIN, or the PIN will not work on door station side.

And we will optimize from indoor station firmware in future version, after that, we don't need to change mode from door station.



KD8 (-B) Modular Door Station(Main Module) Release Note (2024-11-01)

Firmware Basic Information	Firmware Version	V2.2.78_build241012
	Device Type	DS-KD8003-IME1(B), DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush, DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS, DS-KD8003Y-IME2 DS-KD8003Y-IME2/S, DS-KD8003Y-IME2/NS
	Device Type (Kits)	DS-KIS602(B) DS-KIS702Y

Modified Features

1. Support 8 KHz & 16 KHz audio sampling rate, add EQ algorithm to improve the audio quality and support more audio format: G.711u, G.711a, Opus, AAC-LD, AAC-LC, G.726, G.722.1

KD8 (-B) Modular Door Station(Main Module) V2.2.76_build240613 Release Note (2024-06-24)

Firmware Basic Information	Firmware Version	V2.2.76_build240613
	Device Type	DS-KD8003-IME1(B), DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush, DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS, DS-KD8003Y-IME2 DS-KD8003Y-IME2/S, DS-KD8003Y-IME2/NS
	Device Type (Kits)	DS-KIS602(B) DS-KIS702Y

Reason of Upgrade

Fixed bugs, enhance products quality and meet customers' requirements.

Modified Features

1. Optimize the communication logic and parameter synchronization between door station and indoor station, sub door station, main station.

KD8 (-B) Modular Door Station(Main Module) V2.2.76_build240515 Release Note (2024-05-22)

Firmware Basic Information	Firmware Version	V2.2.76_build240515
	Device Type	DS-KD8003-IME1(B), DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush, DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS, DS-KD8003Y-IME2 DS-KD8003Y-IME2/S, DS-KD8003Y-IME2/NS
	Device Type (Kits)	DS-KIS602(B) DS-KIS702Y

Reason of Upgrade

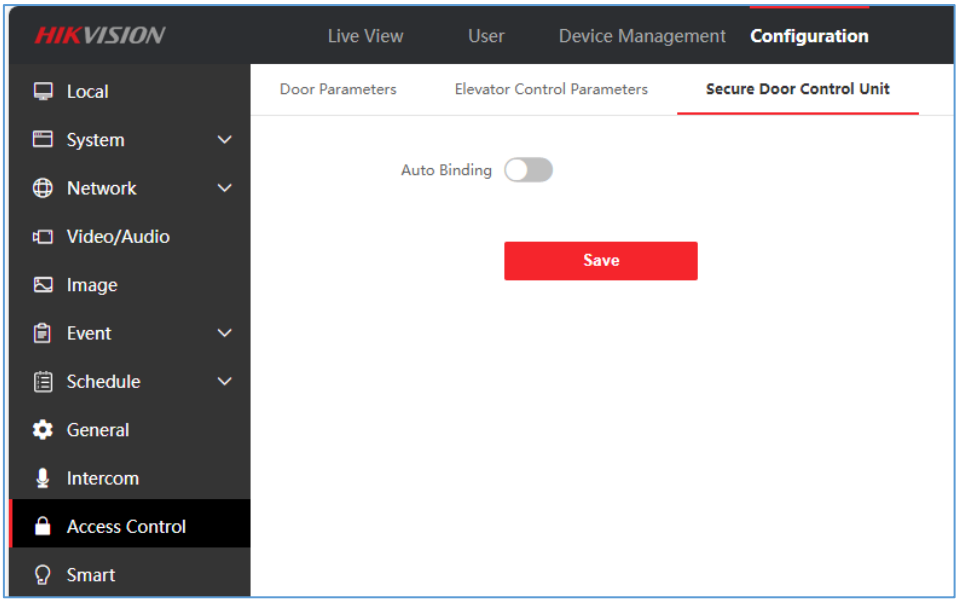
Add new features, enhance products quality and meet customers' requirements.

New Features

1. 1 to 1 pairing and binding with security modules DS-K2M061 is supported, by default it's disabled.

Note:

Only DS-K2M061 V1.0.2_build240506 or later support.



KD8 (-B) Modular Door Station(Main Module) V2.2.76_build240226 Release Note (2024-03-12)

Firmware Basic Information	Firmware Version	V2.2.76_build240226
	Device Type	DS-KD8003-IME1(B), DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush, DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS, DS-KD8003Y-IME2 DS-KD8003Y-IME2/S, DS-KD8003Y-IME2/NS
	Device Type (Kits)	DS-KIS602(B) DS-KIS702Y

Reason of Upgrade

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

Modified Feature

1. Fixed the issue that there is a very small probability that there is no sound (including voice, audio prompt, tamper alarm) from the out door station.

KD8 (-B) Modular Door Station(Main Module)

V2.2.76_build240204 Release Note (2024-02-10)

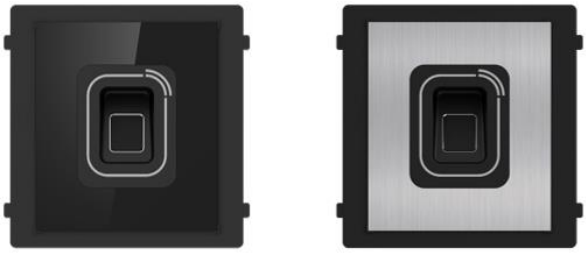
Firmware Basic Information	Firmware Version	V2.2.76_build240204
	Device Type	DS-KD8003-IME1(B), DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush, DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS, DS-KD8003Y-IME2 DS-KD8003Y-IME2/S, DS-KD8003Y-IME2/NS
	Device Type (Kits)	DS-KIS602(B) DS-KIS702Y

Reason of Upgrade

Add new feature, fix bugs, enhance products quality and meet customers' requirements.

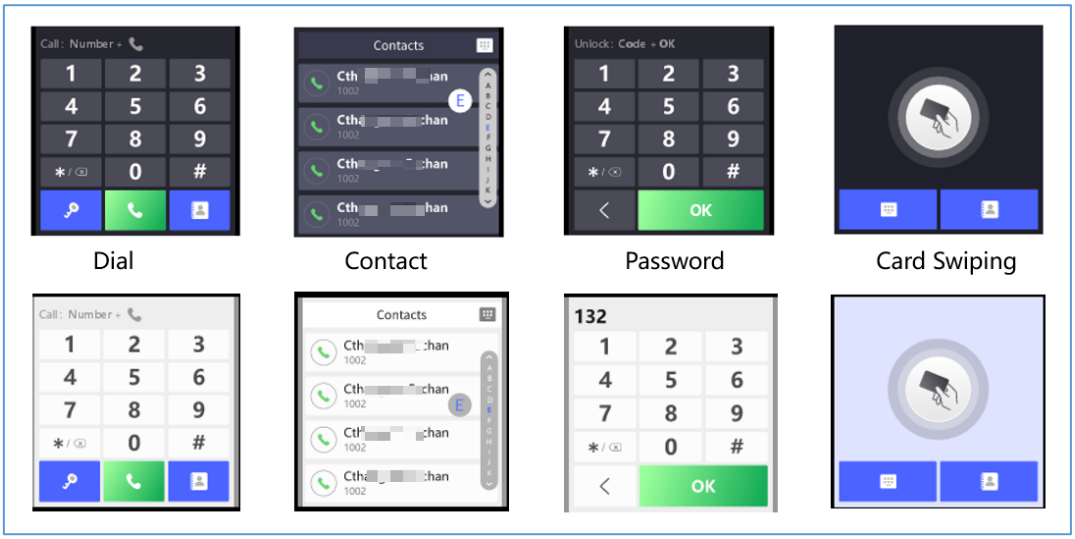
New Features

1. Compatible with new fingerprint & card module DS-KD-MFB (with acrylic front panel) and DS-KD-MFB/S (with stainless front panel), support M1 and Desfire card.



Note: Only support collecting and issuing fingerprints from the main module's web remote configuration, not support the use of iVMS-4200 to collect the fingerprints.

2. Compatible with new touch display module firmware V1.0.2_build240223, and we can configure theme from remote configuration-sub module page.



KD8 (-B) Modular Door Station(Main Module) V2.2.75_build231213 Release Note (2023-12-15)

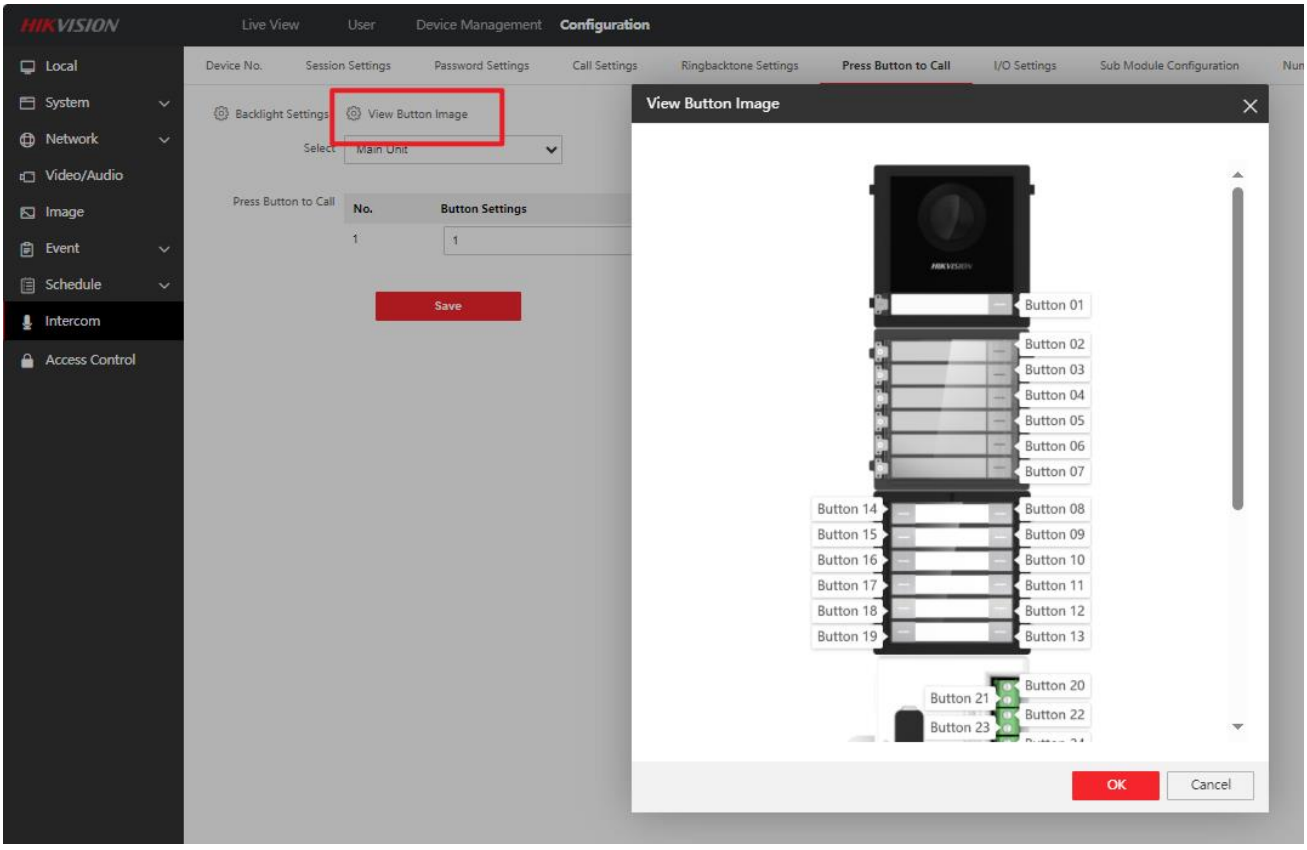
Firmware Basic Information	Firmware Version	V2.2.75_build231213
	Device Type	DS-KD8003-IME1(B), DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush, DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS, DS-KD8003Y-IME2 DS-KD8003Y-IME2/S, DS-KD8003Y-IME2/NS
	Device Type (Kits)	DS-KIS602(B) DS-KIS702Y

Reason of Upgrade

Add new feature, fix bugs, enhance products quality and meet customers' requirements.

New Features

3. Compatible with new released 12 key nametag module DS-KD-K12 and DS-KD-K12/S
4. Update the default button No (room number) image.



KD8 (-B) Modular Door Station(Main Module) V2.2.63_build230717 Release Note (2023-07-25)

Firmware Basic Information	Firmware Version	V2.2.63_build230717
	Device Type	DS-KD8003-IME1(B), DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush, DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS, DS-KD8003Y-IME2 DS-KD8003Y-IME2/S, DS-KD8003Y-IME2/NS
	Device Type (Kits)	DS-KIS602(B) DS-KIS702Y

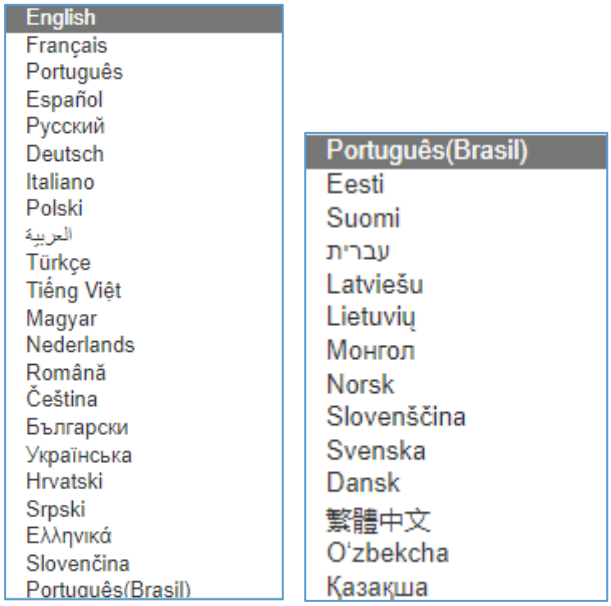
Reason of Upgrade

Add new feature, fix bugs, enhance products quality and meet customers' requirements.

New Features

1. Add 13 new languages, now in total support 35 languages. Only two voices "door is open" and "please leave a message" are retained, and the rest of the prompt tones are replaced by Didi, busy tones, etc.

Note: DS-KD-TD touch display module should use firmware V1.0.1_build230717.

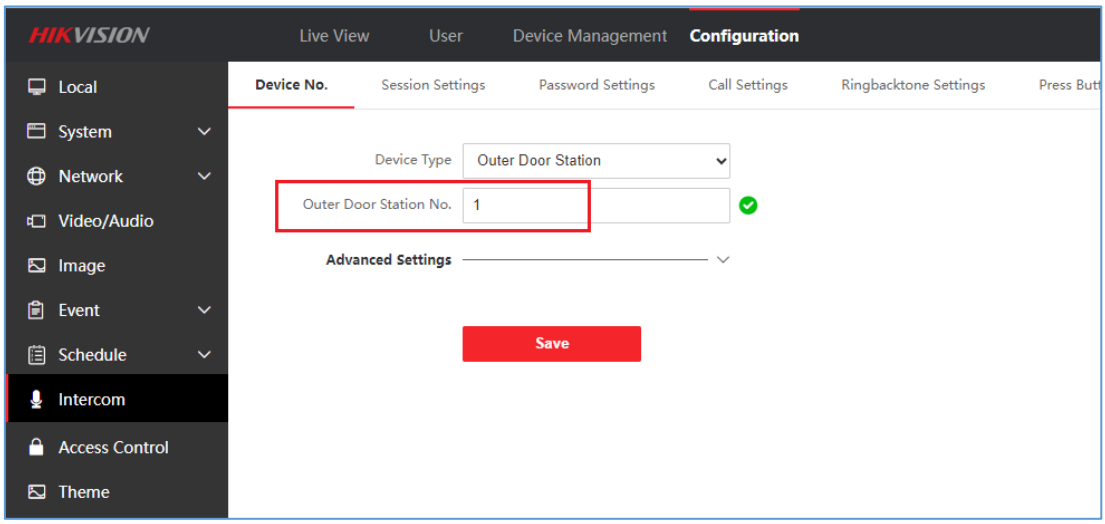


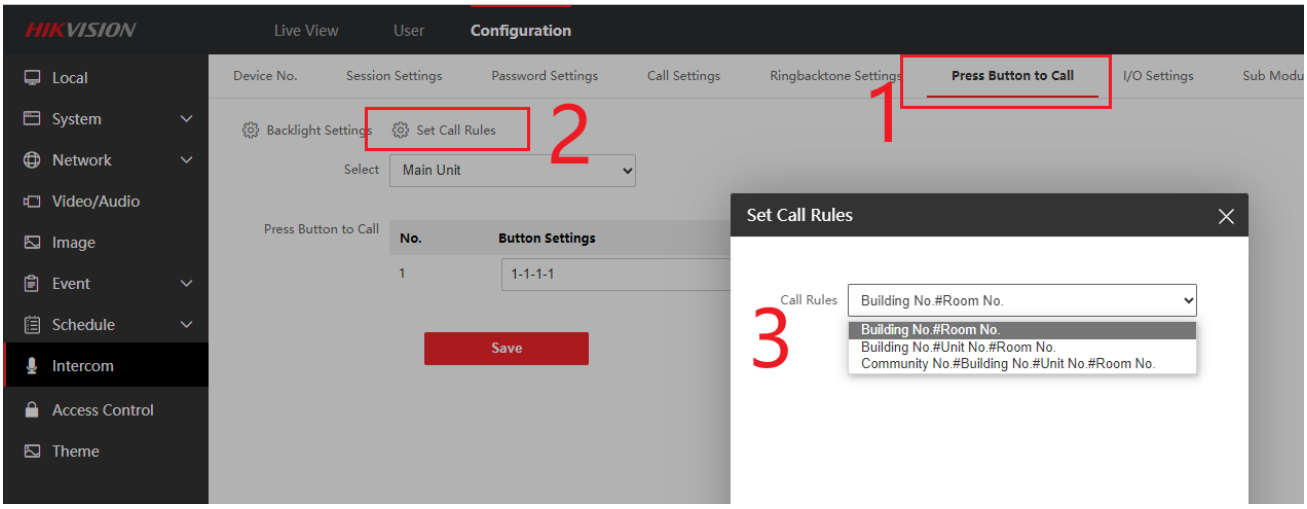
2. Add calling mode for outer door station. It supports 3 modes to call indoor station, and there's no need to input full 4 digits room number. For example 1#1 is calling 1-1-1-1 by default.

1) Building No.# Room No.

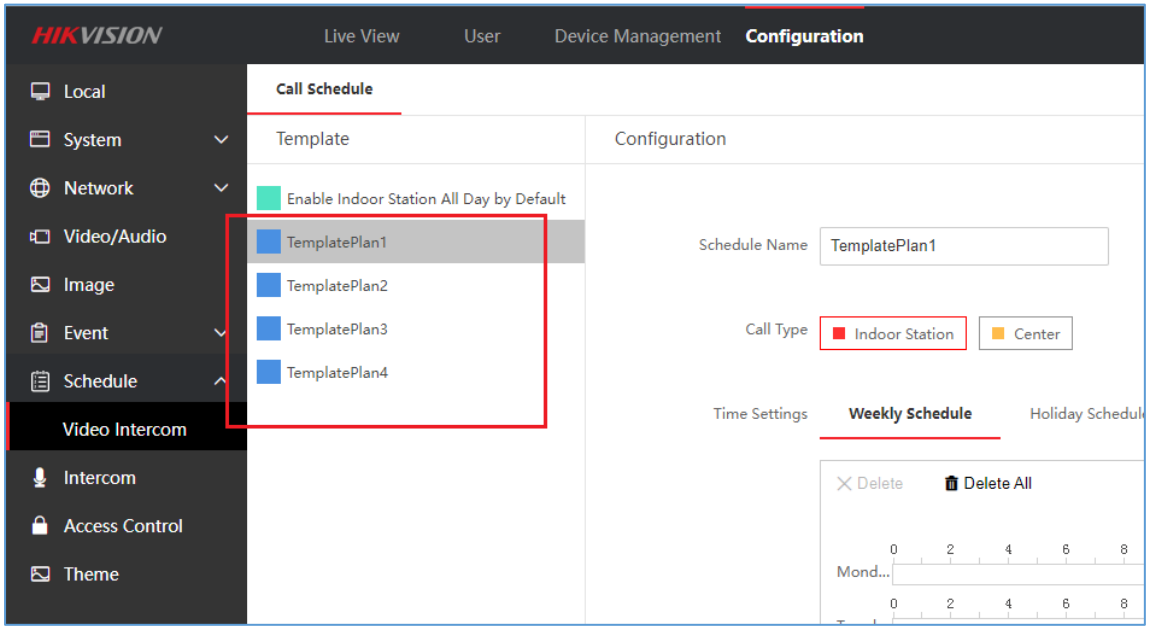
2) Building No.# Unit No.# Room No.

3) Community No.# Building No.# Unit No.

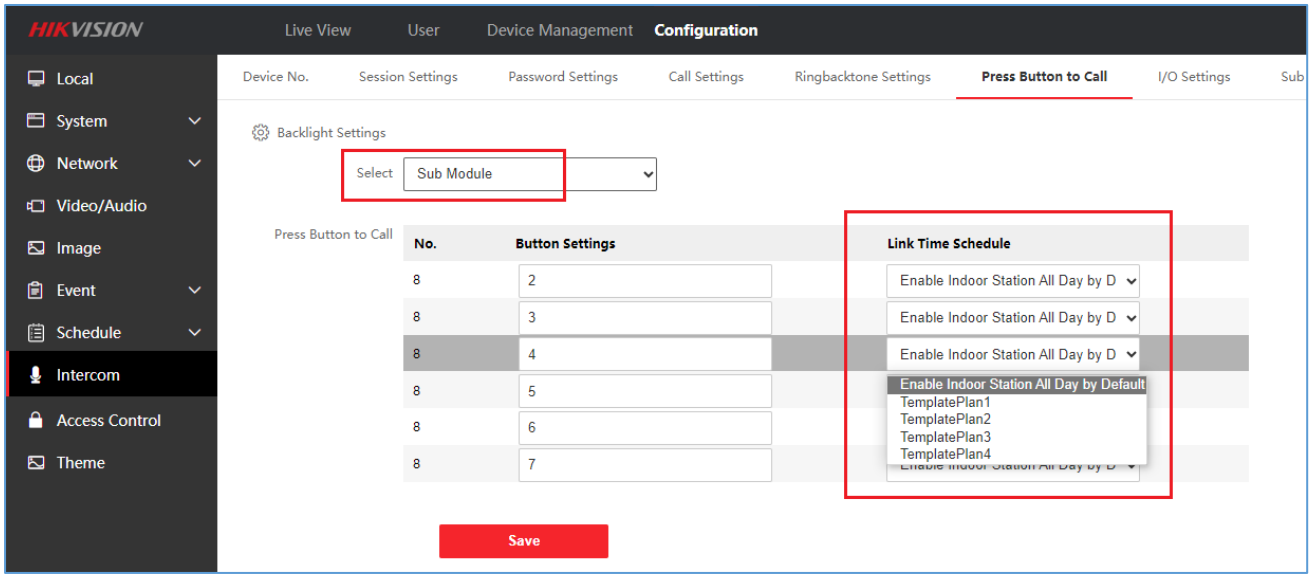




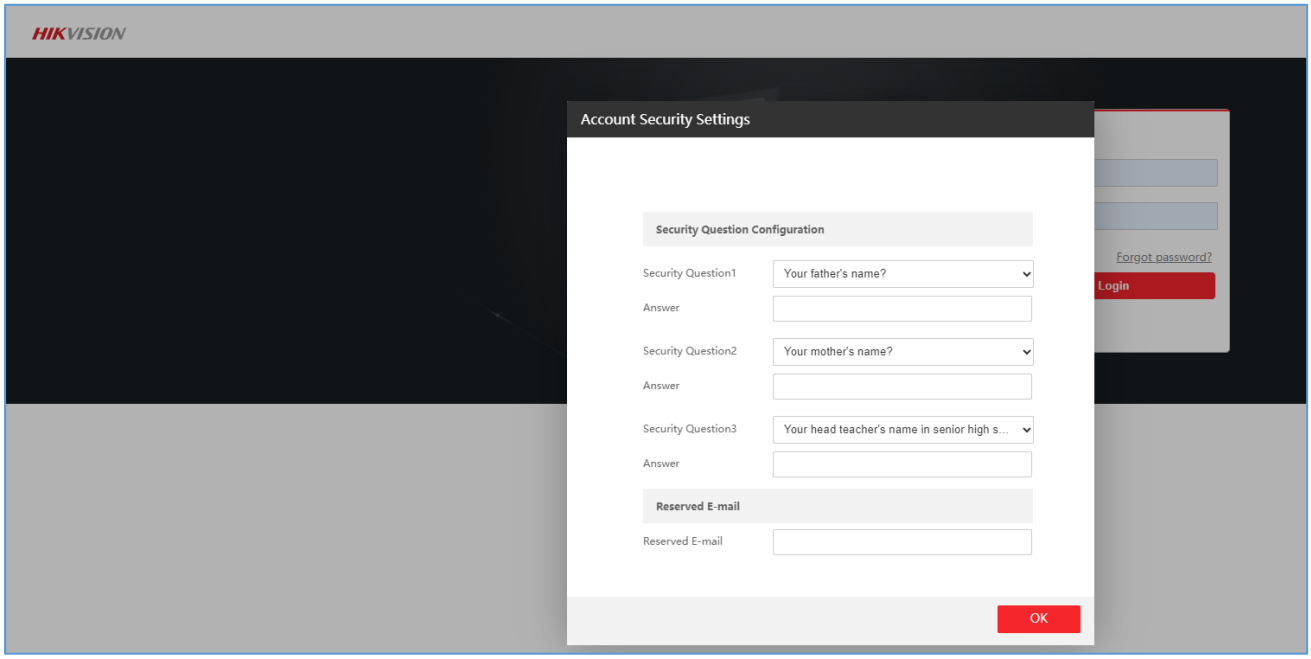
3. Increase the call template quantity to 4 (it was 1 in previous version)



4. The DS-KD-KK nametag module and DS-KD-AL8 alarm in module support call time schedule settings. (only main module button supports this function in previous version)

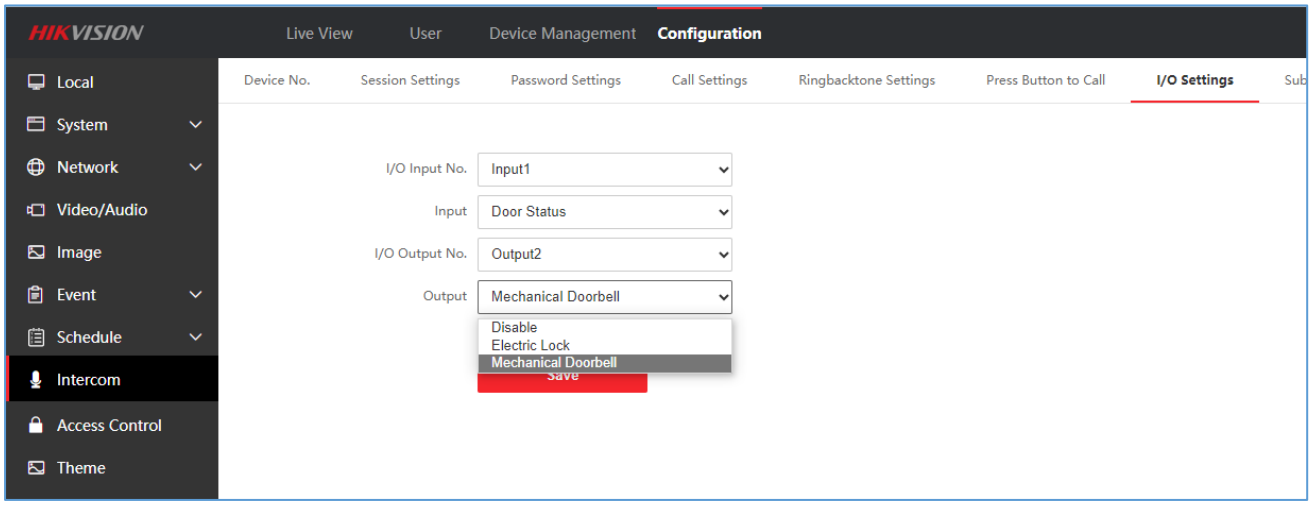


5. Add *Account Security Settings* function, you can reset the device password with security question or your email address if you forget the activation password.



Modified Feature

1. Lock 2 can be configured to mechanical doorbell mode, when calling the indoor station, the output will be triggered.



2. When the motion detection is enabled and triggered, the DS-KD-TD touch display module will enter the calling page/contact list directly, there's no need to touch the screen to exit the screen saver.
   Note: DS-KD-TD touch display module should use firmware V1.0.1_build230717.

KD8 (-B) Modular Door Station(Main Module) V2.2.63_build230204 Release Note(2023-02-10)

Firmware Basic Information	Firmware Version	V2.2.63_build230204
	Device Type	DS-KD8003-IME1(B), DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush, DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS, DS-KD8003Y-IME2 DS-KD8003Y-IME2/S, DS-KD8003Y-IME2/NS
	Device Type (Kits)	DS-KIS602(B) DS-KIS702Y

Reason of Upgrade

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

New Features

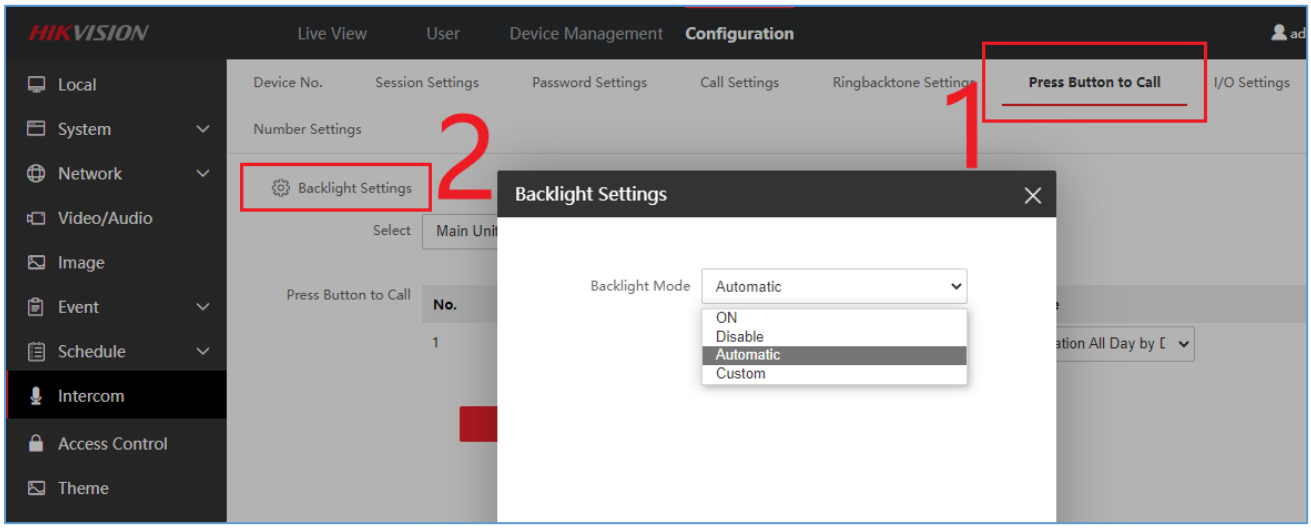
1. Add sub module backlight control: 4 modes (close, open, auto and custom), support DS-KD-KK，DS-KD-KP，DS-KD-INFO modules

Close: always OFF

Open: always ON

Auto: ON and OFF according to the ambient light brightness

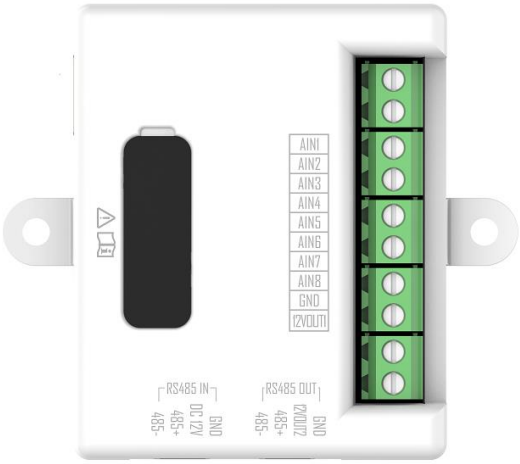
Custom: ON and OFF according to configured time schedule

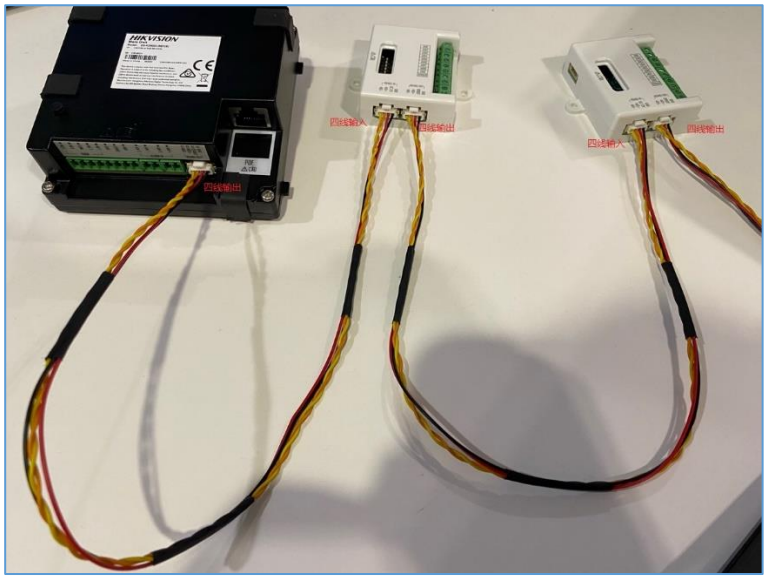


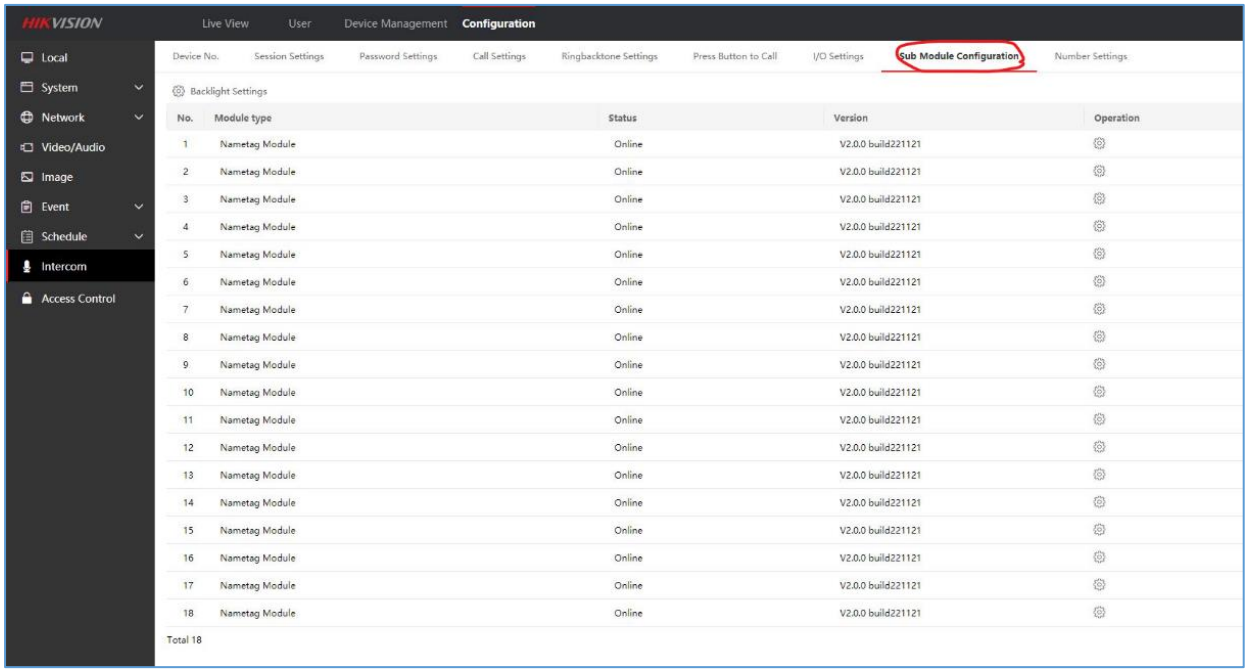
2. Compatible with new button extending sub module DS-KD-AL8, the module is configured and upgrade firmware from main module KD8003 remote configuration, you can link the alarm input No. to indoor station room No., once the input is triggered (short connected), the linked indoor station will be called.

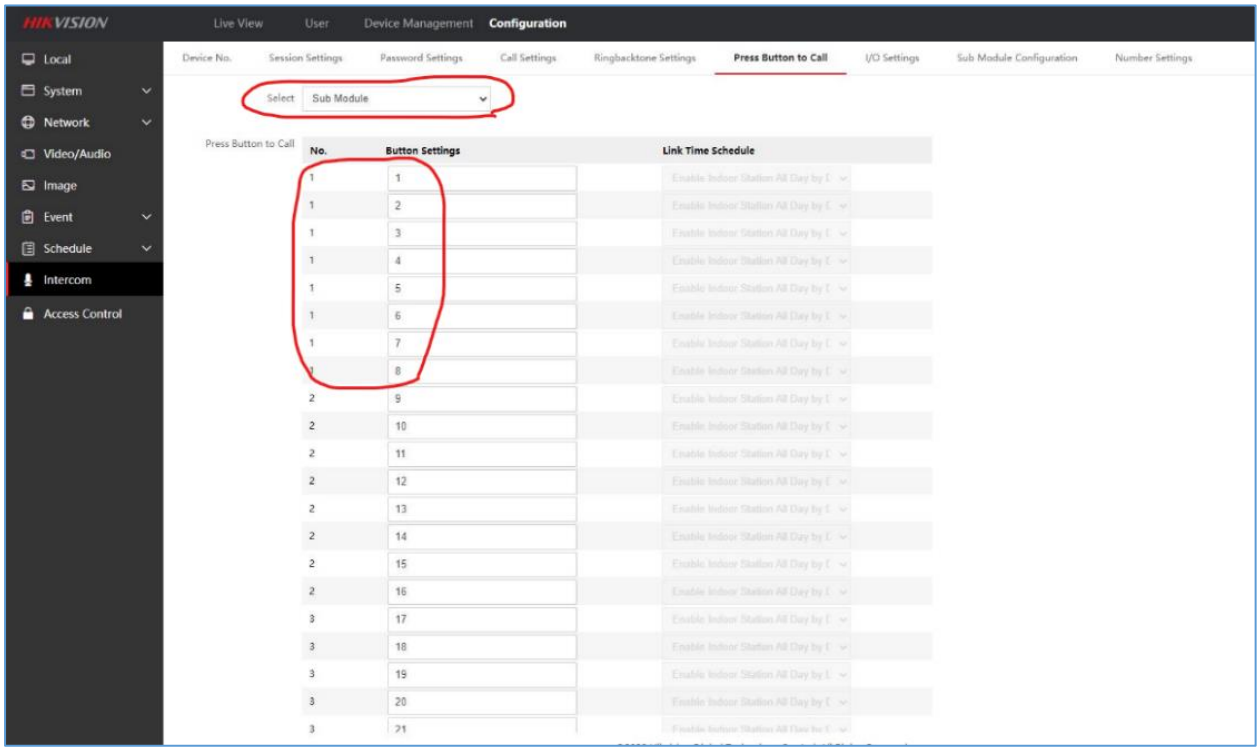
Note:

a. Maximum support 20 button extending modules cascading
b. Each DS-KD-AL8 support 8 alarm input signal, so totally maximum 160 alarm inputs can be connected to one KD8003.
c. Each module should have a unique DIP switch address.
d. Make sure all modules are connected and each use unique DIP settings before power on the main module KD8003

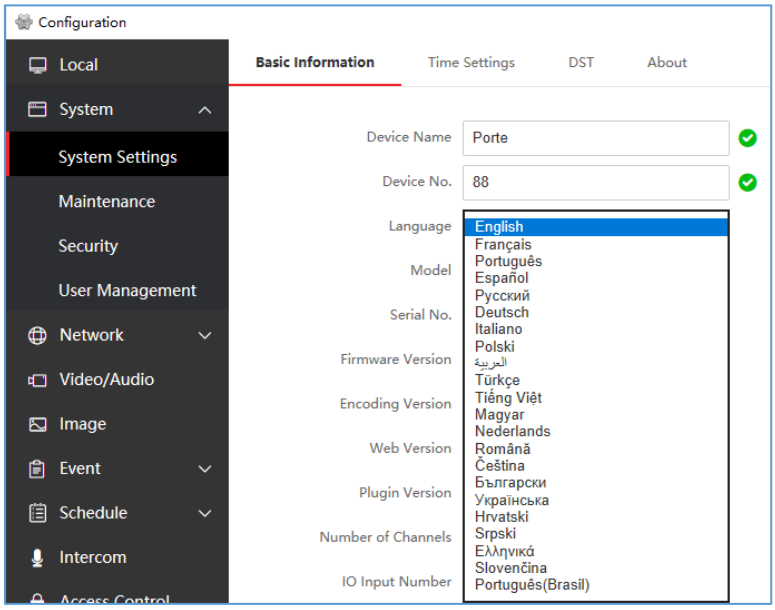

AIN1
AIN2
AIN3
AIN4
AIN5
AIN6
AIN7
AIN8
GND
12VOUT1
RS485 IN
485+
485-
DC 12V
GND
RS485 OUT
485+
485-
12VOUT2
GND




HIKVISION
Live View
User
Device Management
Configuration
Local
System
Network
Video/Audio
Image
Event
Schedule
Intercom
Access Control
Device No.
Session Settings
Password Settings
Call Settings
Ringbacktone Settings
Press Button to Call
I/O Settings
Sub Module Configuration
Number Settings
Backlight Settings
No.
Module type
Status
Version
Operation
1 Nametag Module Online V2.0.0 build221121
2 Nametag Module Online V2.0.0 build221121
3 Nametag Module Online V2.0.0 build221121
4 Nametag Module Online V2.0.0 build221121
5 Nametag Module Online V2.0.0 build221121
6 Nametag Module Online V2.0.0 build221121
7 Nametag Module Online V2.0.0 build221121
8 Nametag Module Online V2.0.0 build221121
9 Nametag Module Online V2.0.0 build221121
10 Nametag Module Online V2.0.0 build221121
11 Nametag Module Online V2.0.0 build221121
12 Nametag Module Online V2.0.0 build221121
13 Nametag Module Online V2.0.0 build221121
14 Nametag Module Online V2.0.0 build221121
15 Nametag Module Online V2.0.0 build221121
16 Nametag Module Online V2.0.0 build221121
17 Nametag Module Online V2.0.0 build221121
18 Nametag Module Online V2.0.0 build221121
Total 18



3. Support Portuguese language



4. Support capture device image through ISAPI protocol.

/ISAPI/Streaming/channels/1/picture?snapShotImageType=JPEG&videoResolutionWidth=1280&videoResolutionHeight=720&imageQuality=better

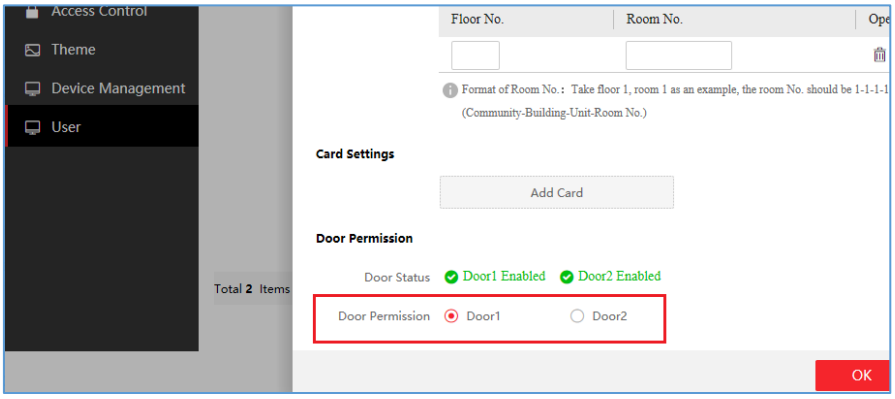
snapShotImageType：picture format, only support JPEG now

videoResolutionWidth：videoResolutionHeight：picture resolution, if not use this parameter, by default it's 704*576. Supported resolution：1280*720，704*576，704*480，352*288，352*240，176*144，176*120

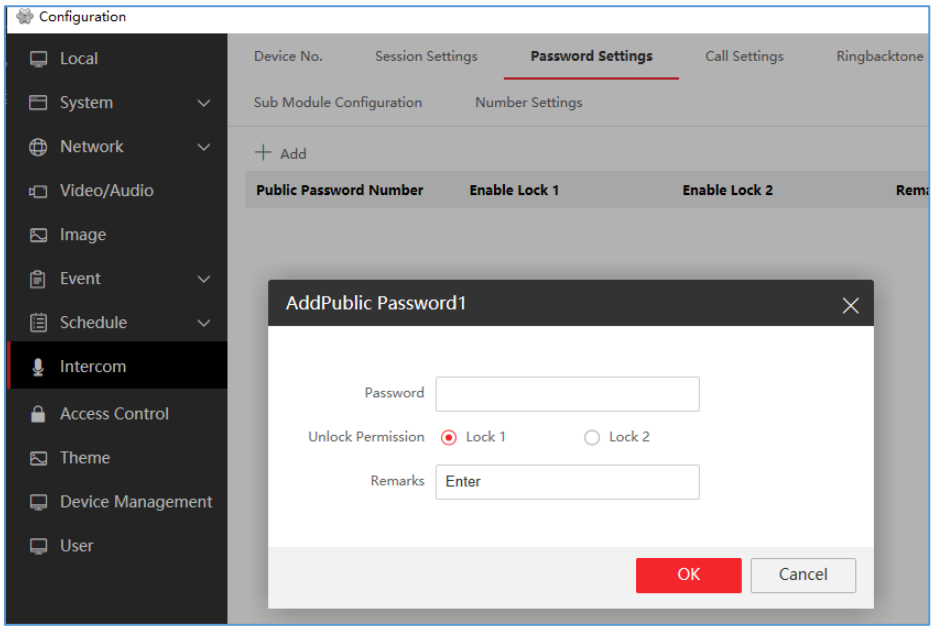
imageQuality：support best，better，normal，general

Modified Features

1. Support swipe card to open lock2: when adding new person, you can link to lock 1 or lock 2, and after swipe card, the related lock will be open.
   Note: before the lock was linked to card module DIP switch, now we cancelled this logic so that we can open different lock with same card module.



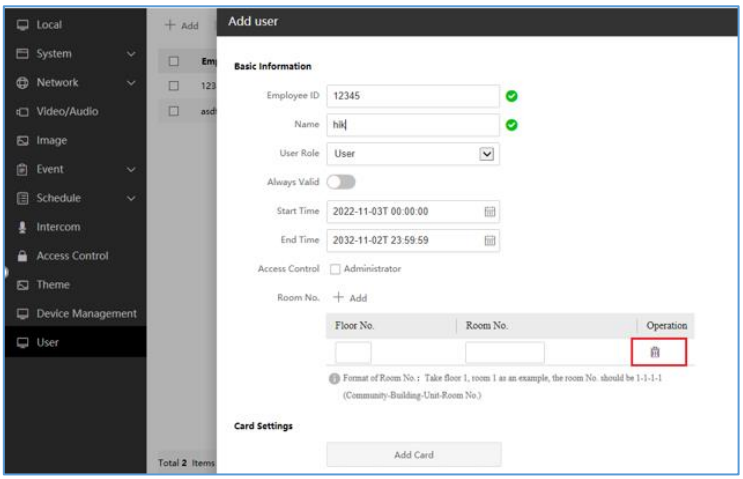
2. Support open door1 and door2 with different public password on same keypad DS-KD-KP or DS-KD-TD module.

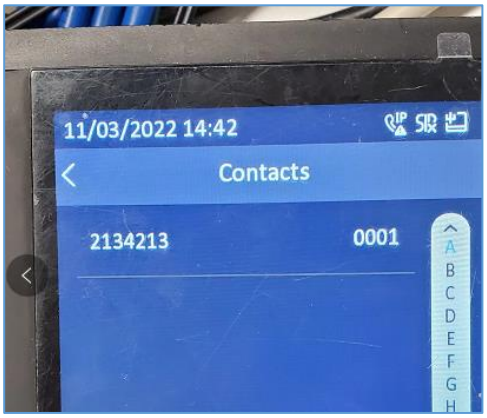


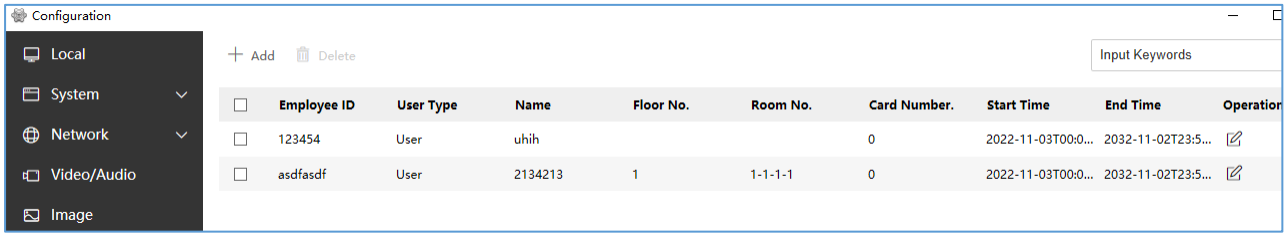
3. When open door2 with card or public password, but door2 is not enabled from main module KD8003, the device will prompt “Bi-Bi” sound and will not upload any event to iVMS or HikCentral (device will upload “invalid card” event in previous version firmware)

4. Support not showing the person in DS-KD-DIS and KD-TDM module.
   When adding person, if you don’t input the room No., this person will not be displayed in KD-DIS or KD-TD/TDE/TDM module

Note: Latest baseline V3.9.0.5 still not support







5. Device name support multi-language, it will be shown in indoor station live view page
6. Modified the KD-IN indicator module light control logic, the light status is same as lock relay status (it was door magnetic status in previous firmware)

7. Fixed issue that DS-KD-DIS module screen occasional hang and contact list not updating
8. Fixed issue that touch display module occasional not show unlock icon.
9. Improved door contact input interface detection sensitivity
10. Fixed issue that sub door station can't open door with public password

KD8 (-B) Modular Door Station(Main Module) Version: V2.2.58_build220929 Release Note (2022-09-30)

Firmware Basic Information	Firmware Version	V2.2.58_220929
	Device Type	DS-KD8003-IME1(B) DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)/NS DS-KD8003Y-IME2

		DS-KD8003Y-IME2/S DS-KD8003Y-IME2/NS
	Device Type (Kits)	DS-KIS602(B) DS-KIS702Y

Fix:

Fixed a large area of the left FOV being obscured due to lens distortion.

KD8 (-B) Modular Door Station (Main Module) Version: V2.2.58_build220725 Release Note (2022-08-02)

Firmware Basic Information	Firmware Version	V2.2.58_220725
	Device Type	(2022-08-02): DS-KD8003-IME1(B) DS-KD8003-IME1(B)/Surface DS-KD8003-IME1(B)/Flush (2022-08-23): DS-KD8003-IME1(B)/S DS-KD8003-IME1(B)N/S
	Device Type (Kits)	(2022-08-02): DS-KIS602(B)

Notes:

This is a newly released hardware version, and the software which is inherited all the functions of the previous version of DS-KD8003 series.

1.1 Recommended Firmware

It is recommended to use the following devices and version together, because they can cooperate and work normally after the docking test.

Test resource	Device type	Version
New version	**KD8003-IME1**	**V2.2.56_220424**
	DS-KD-TDM	**V1.0.1_220424**
Door Station	KD9403	V2.2.37_211125

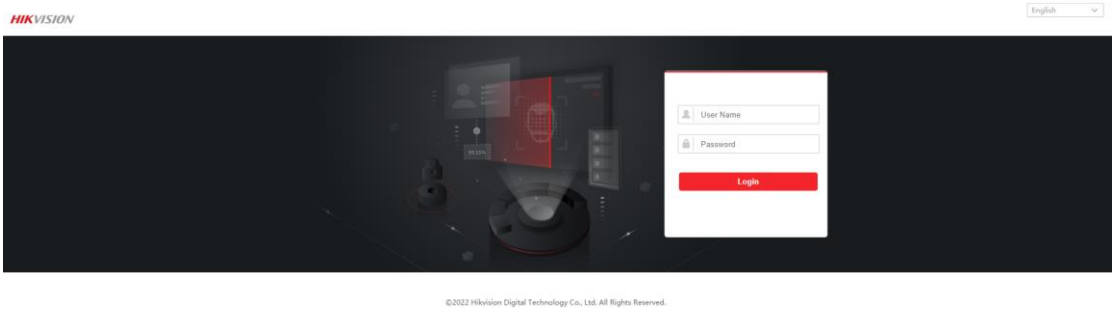
	KV6113, KV8X13	V2.2.52_211104
	DS-KD-DIS	V1.0.4_build211111
	DS-KD-KK, DS-KD-KP	V1.1.1_build210318
	DS-KD-M	V2.0.0_build210223
Indoor Station	DS-KH6320-LE1	V1.4.60_build211209
	KH6320-WTE1	V2.1.34_build211118
	KH9310	V2.1.28_build210803
Main Station	KM9503	V1.0.34_build220212
IVMS-4200	IVMS-4200 Client	V3.5.0.101 build20220418

Notes:

Test records only contain the cases for normal devices and do not represent all the scenarios and all the functions.

2. New

2.1 Support the Web Client to login:



2.2 Support European Portuguese and Slovak, and support language switching without restart.

Customer Impact and Recommended Action

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action.
For any questions and request for this firmware, please contact our local technical support team.

Note:

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request.
- Hikvision is not liable for any typing or printing errors.

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