DS-K1T344 Series MinMoe Terminal
Release Notes (2025-07-30)

Device Model: DS-K1T344MX-E1, DS-K1T344MBWX-E1, DS-K1T344MBWX-QRE1, DS-K1T344MBFWX-E1 DS-K1T344MFX-E1 DS-K1T344EX-E1 DS-K1T344EBWX-E1 DS-K1T344EBWX-QRE1 DS-K1T344EBFWX-E1 **Naming Rule:** M for M1 card, E for EM card -E1 for POE, B for Bluetooth F for Fingerprint, W for Wi-Fi -QR for QR code reader	Firmware Version	ACS_344_F2pro_EN_STD_V4.47.0_build250722 ACS_344_F2pro_EN_NEU_V4.47.0_build250722
	Software	**HikCentral Access Control:** https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-3-1/ **Please add device to HCP/HC AC with port 80, and port 8000 will not work**

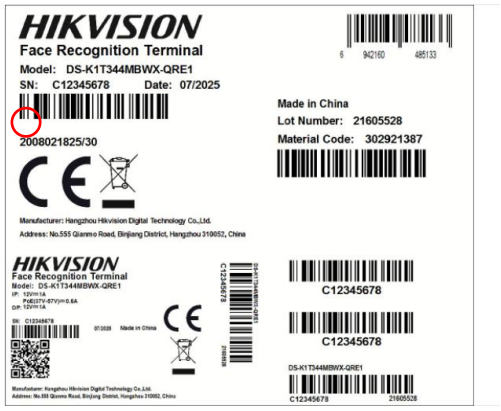
Reason of Upgrade

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

Upgrade RAM from 256MB to 512MB, and the label of 512MB models contains a letter "T"



Label of new K1T344 with 512MB



Label of old KIT344 with 256MB

New Features (for both 256MB and 512MB models):

1. Support standard SIP (ASTERISK, 3CX, ELASTIX, miniSipServer, Brekeke, OpenSIPs, Kamailio). When calling 3rd party indoor station or SIP phone through standard SIP protocol, it supports live view the video before answering the call.

   ***Note**: The video format is H.264, please make sure the SIP server supports video forwarding and SIP phone has enough performance to decode the video.*

2. After call and unlock from the indoor station with # key, indoor station will send room number to

door station, and door station will upload the “remote unlock” events with the room number to 3rd party platform.

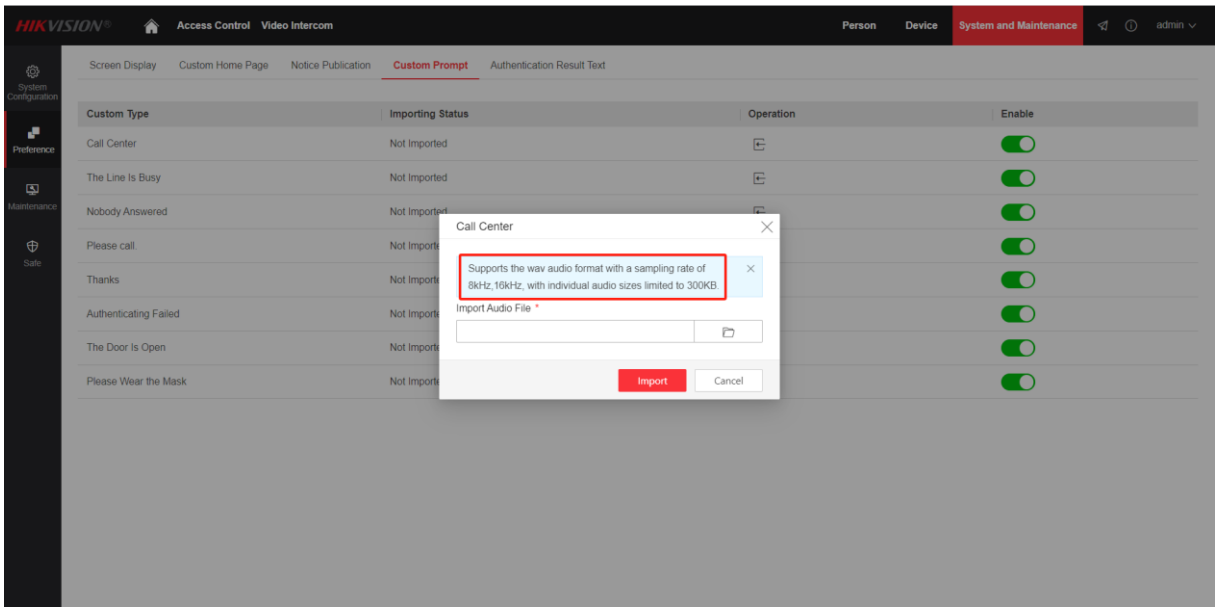
3. Support calling from other devices to K1T344 through HIK private SIP or standard SIP protocol.

   a) Calling from the main station DS-KM9503 through private SIP protocol

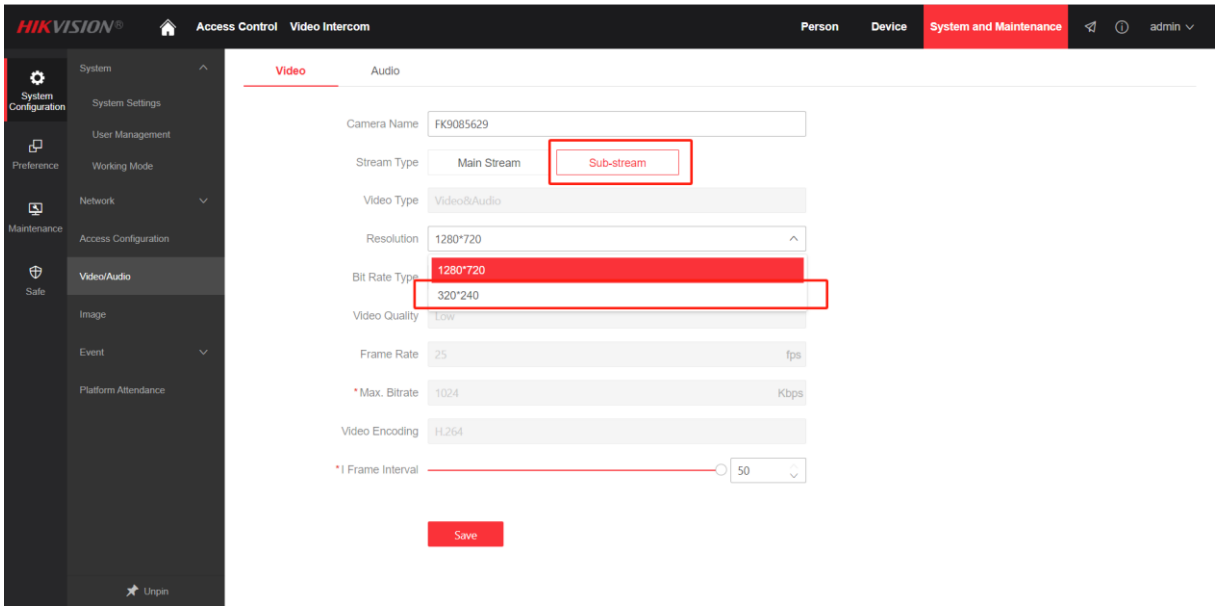
   b) Calling from 3rd party phone through standard SIP phone.

   After receive the call, it will enter the calling status and users can select answer or hang the call from the screen. After hang, it will back to the home page automatically.

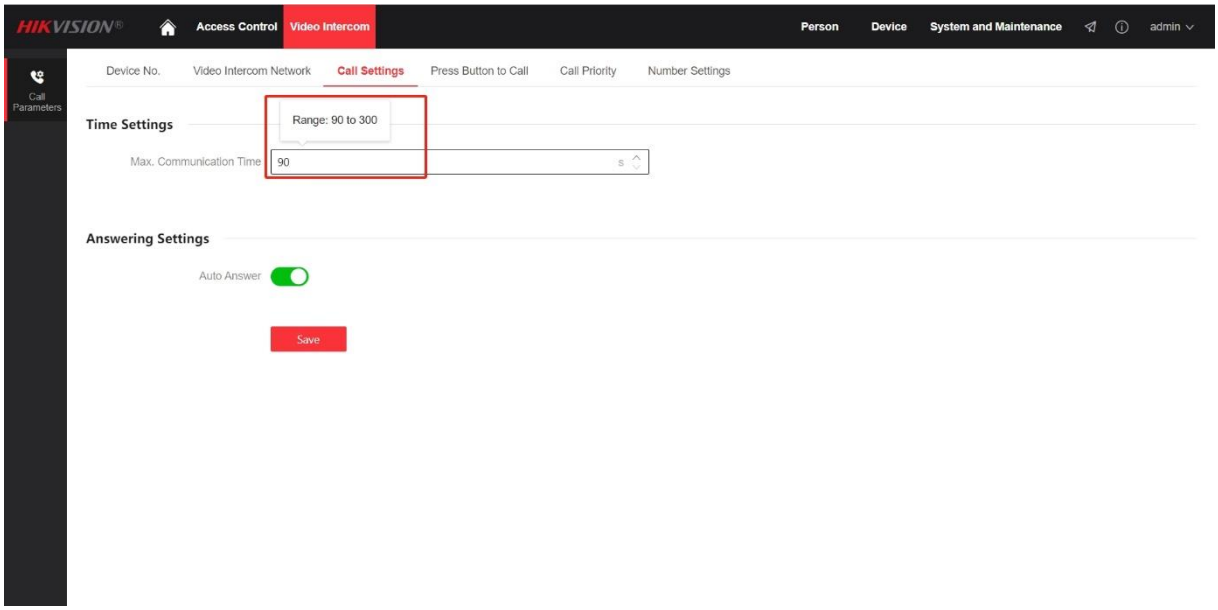
4. Support 8 kHz and 16 kHz audio sampling rate



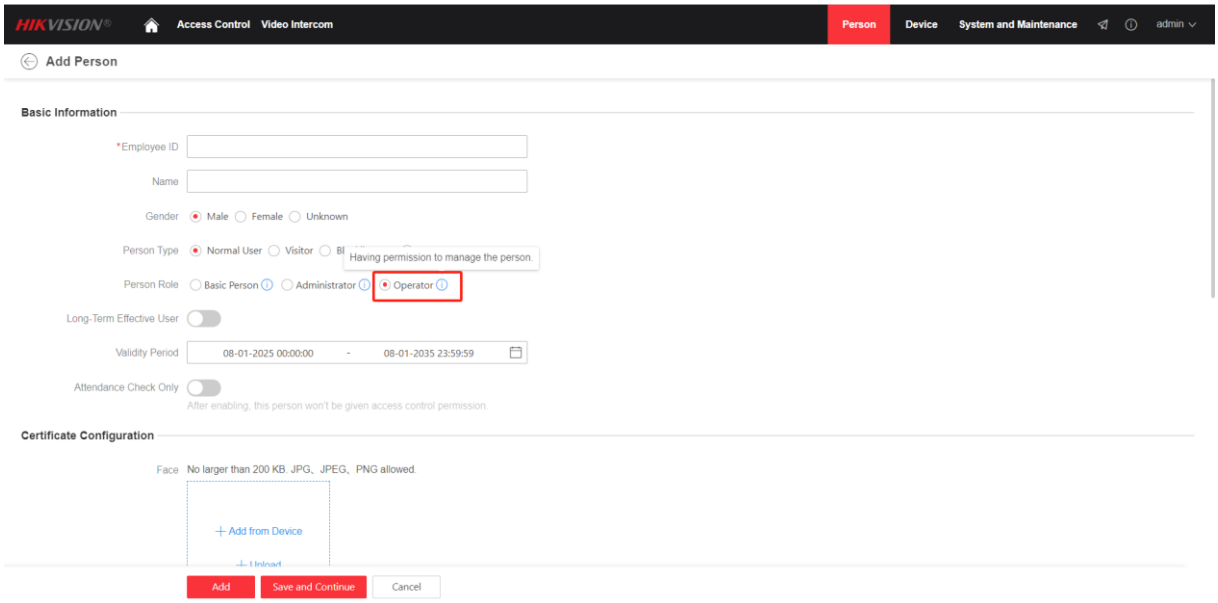
5. Adjust the sub stream resolution to 320*240 to decrease the video quality when using intercom function in low bandwidth network.



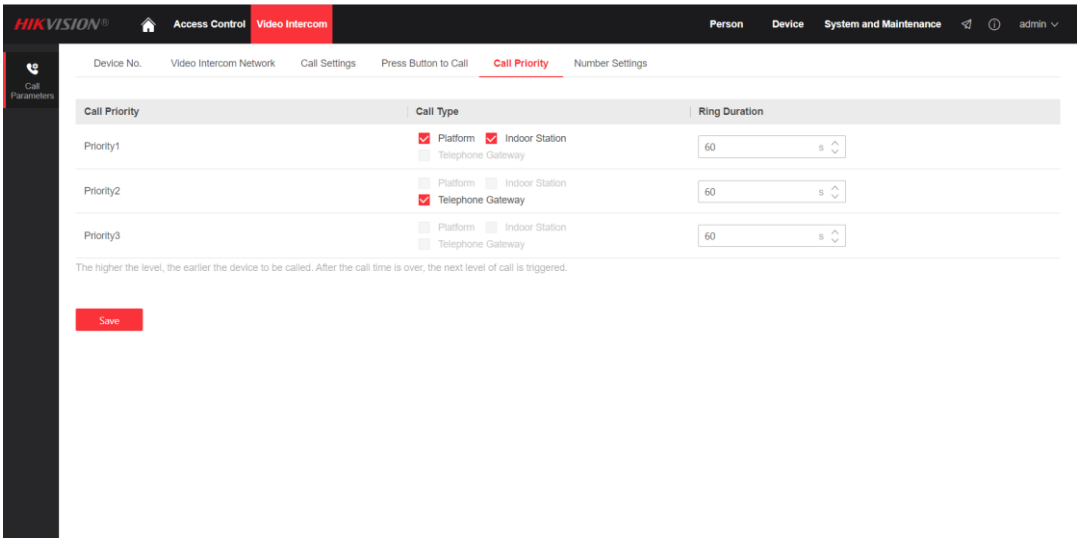
6. When import the audio file in web page, it will check the sampling rate, audio channel numbers, and size automatically.
7. Increasing the maximum intercom duration to 5min (was 90s before), the range is from 90 to 300s and by default it's 90s



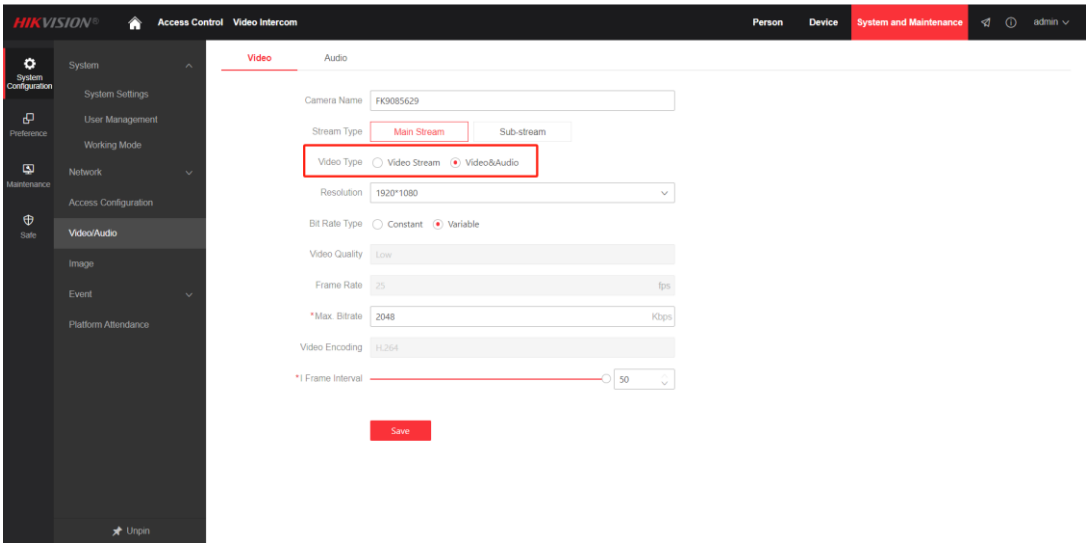
8. Adding operator roles, the operator has the permission to enter the local menu on the screen and manage the personnel on the device.



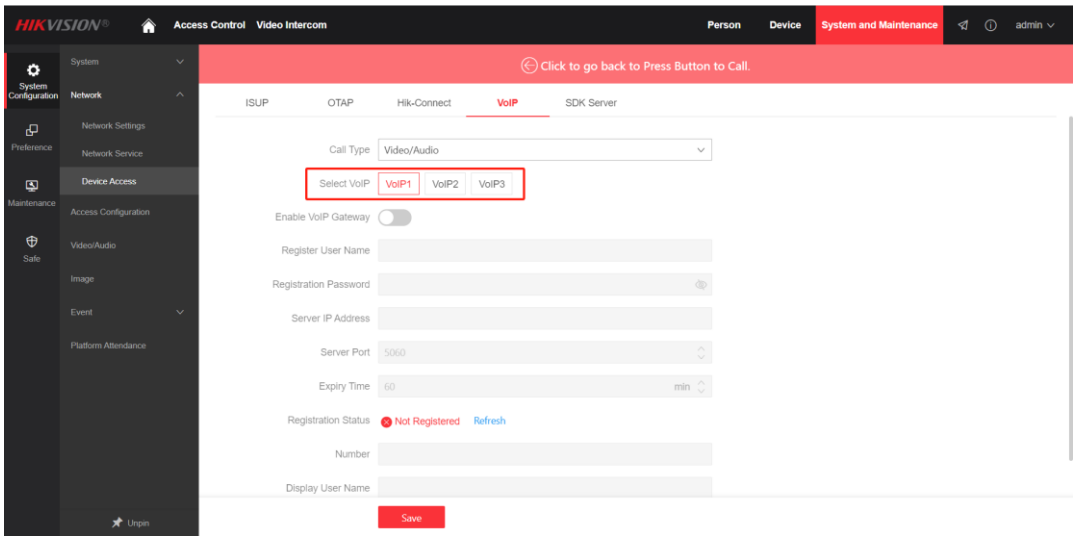
9. Support calling priority settings on web page



10. Support both **audio only** and **audio & video** when working in standard SIP protocol

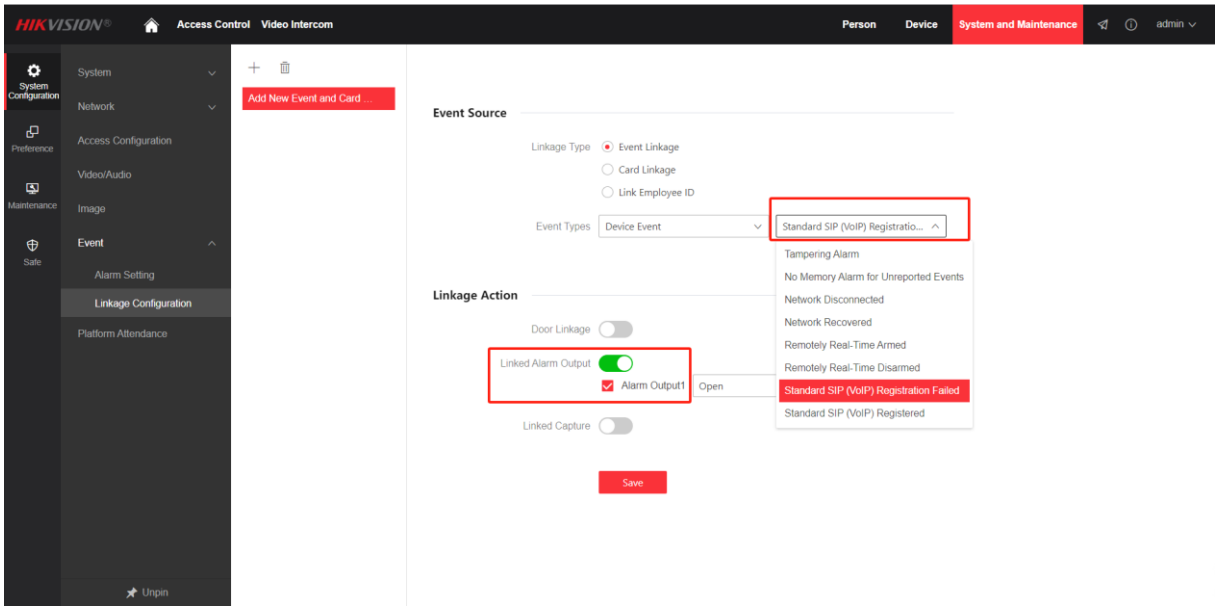


11. Support up to 3 SIP servers connection and administrators can back up the SIP server parameters.

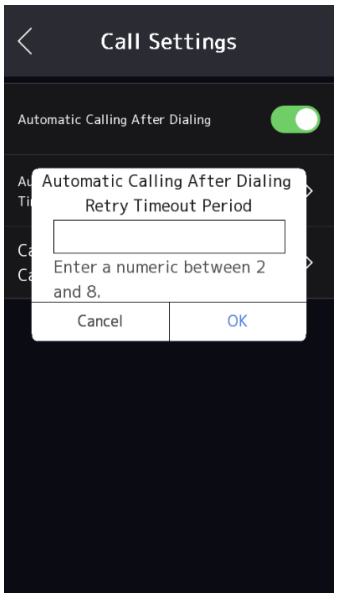


12. Support to manage SIP servers on K1T344 web page only, and check SIP servers' information on K1T344 local screen page.

13. Support automatically register after administrators switch SIP server parameters, and trigger alarm out if failed to register



14. Support configure the timeout range for exiting calling page if no operation in KIT344 local UI; by default it is 10s
15. Support configure enable/disable auto-calling after dialing in K1T344 local UI; and the timeout range for auto-calling, by default it is 2

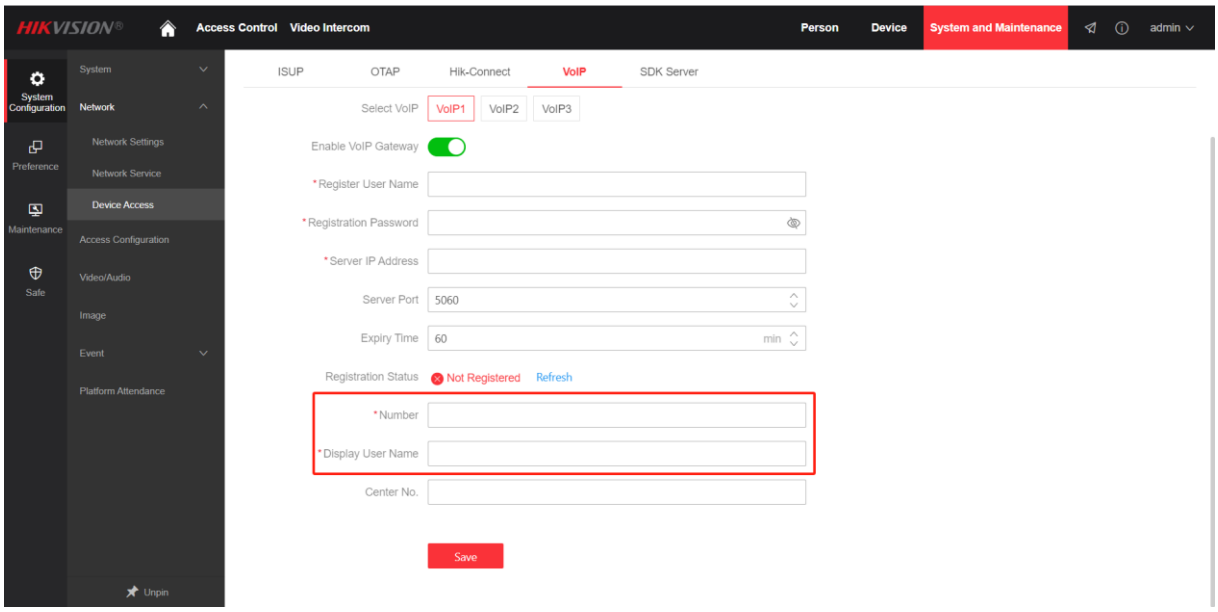


16. Support configure VoIP central SIP number
    a) Administrator are allowed to configure central SIP number of SIP server in KIT344 web page
    b) Adding a new central SIP number shortcut key in K1T344 local UI, supporting customization of whether to display it in the live view page

c) support one-click call to the center by clicking the SIP number shortcut key in K1T344 local UI. The call number is SIP number of the currently selected back-up server.

d) Users are allowed to call management center in K1T344 dialing page, supporting call management center and central SIP number

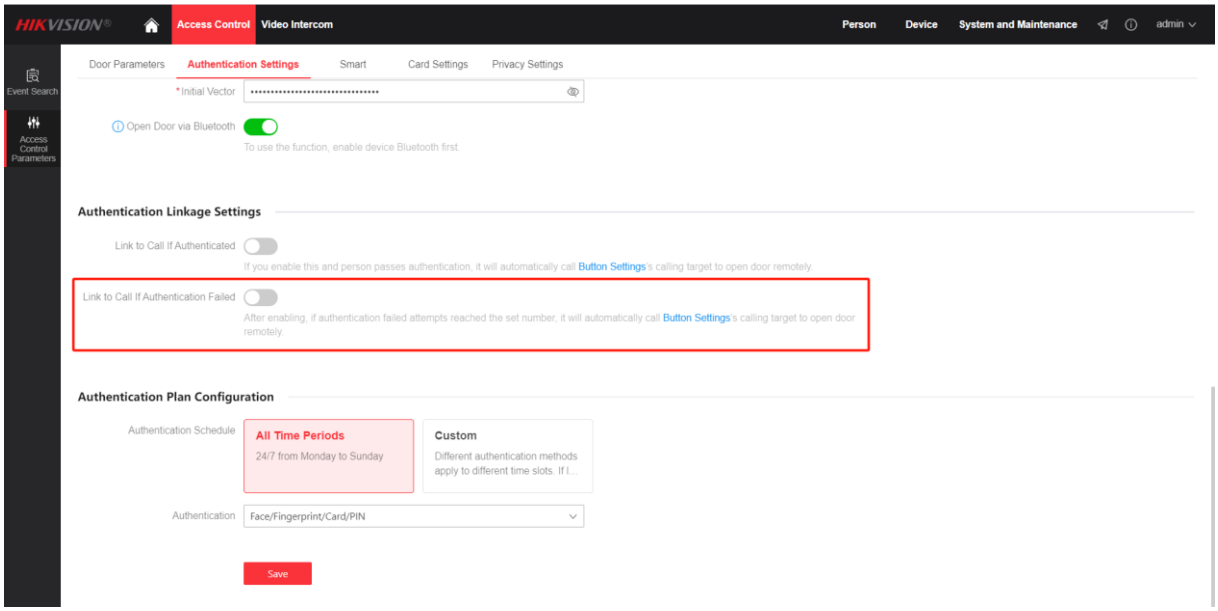
e) Support to preset local UI shortcut key display mode, and administrators can select one mode as the default configuration based on the device language



17. Support authentication failed linkage with calling:

a) Administrators are allowed to configure after how many times of failed authentications, the linkage will be triggered

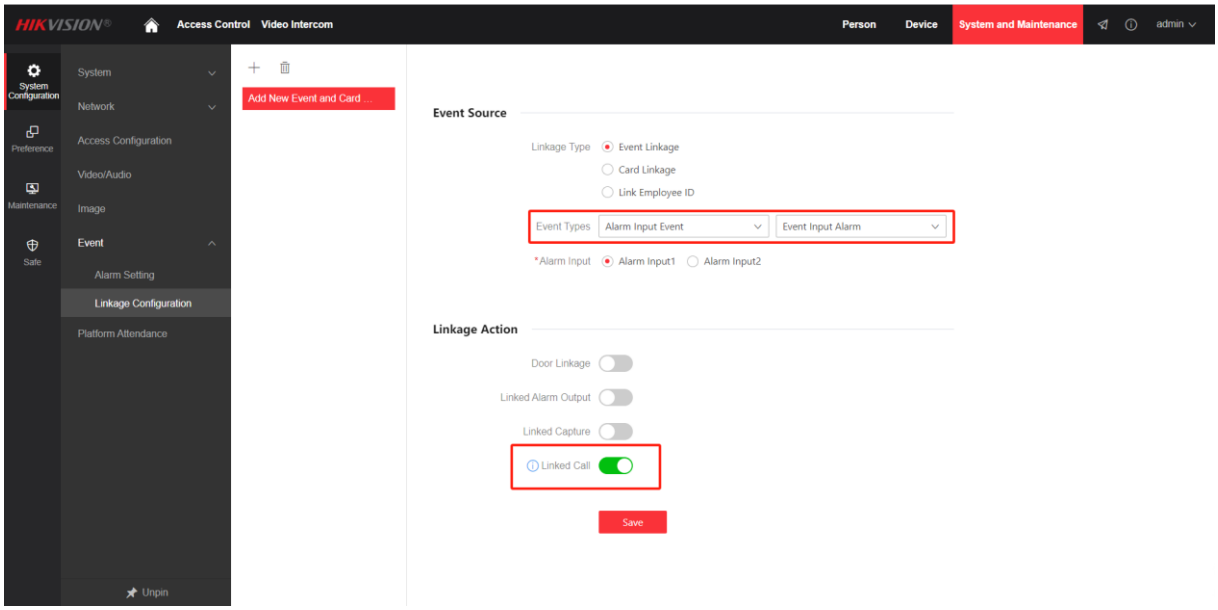
b) If exceeding times of failed authentications within 20s, the linkage will be triggered.



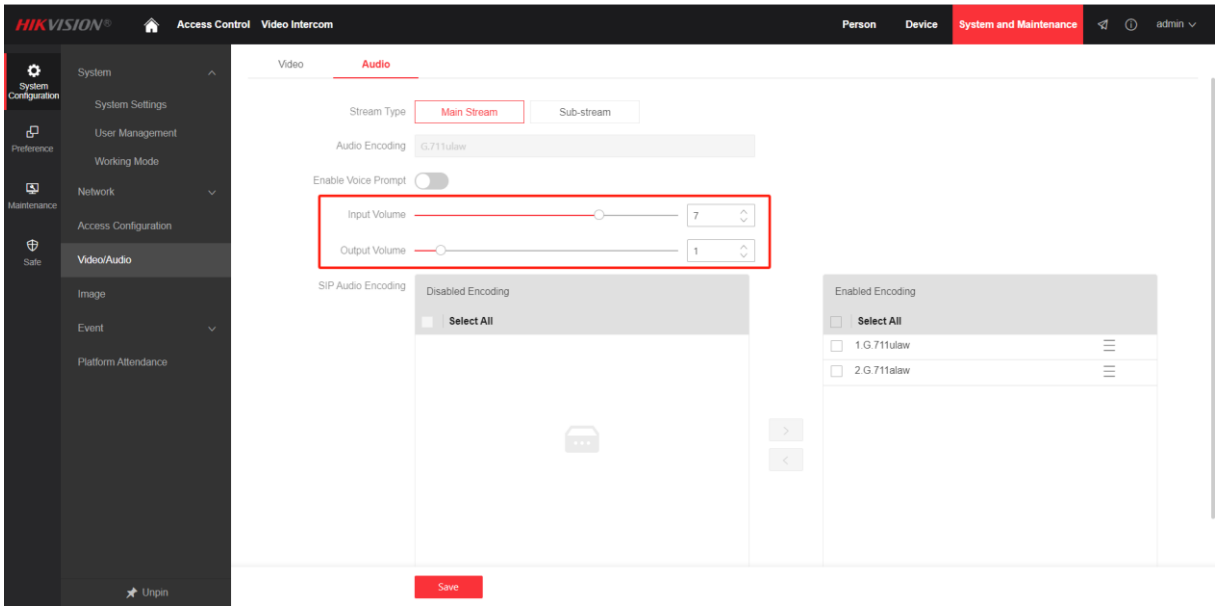
18. Support upload door contact events (door abnormally open, door close timeout) to Ezviz cloud

servers.

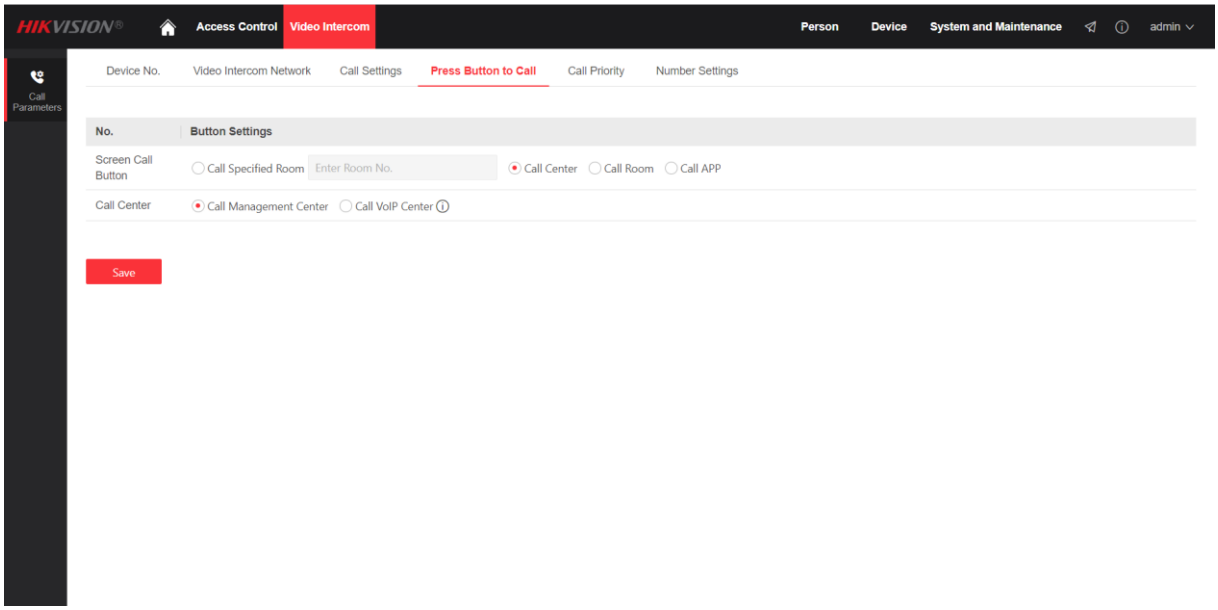
19. Support alarm input linkage with calling center:
    a) Support alarm input signal to trigger linkage with calling center
    b) Support external buttons signal input to trigger linkage with calling center



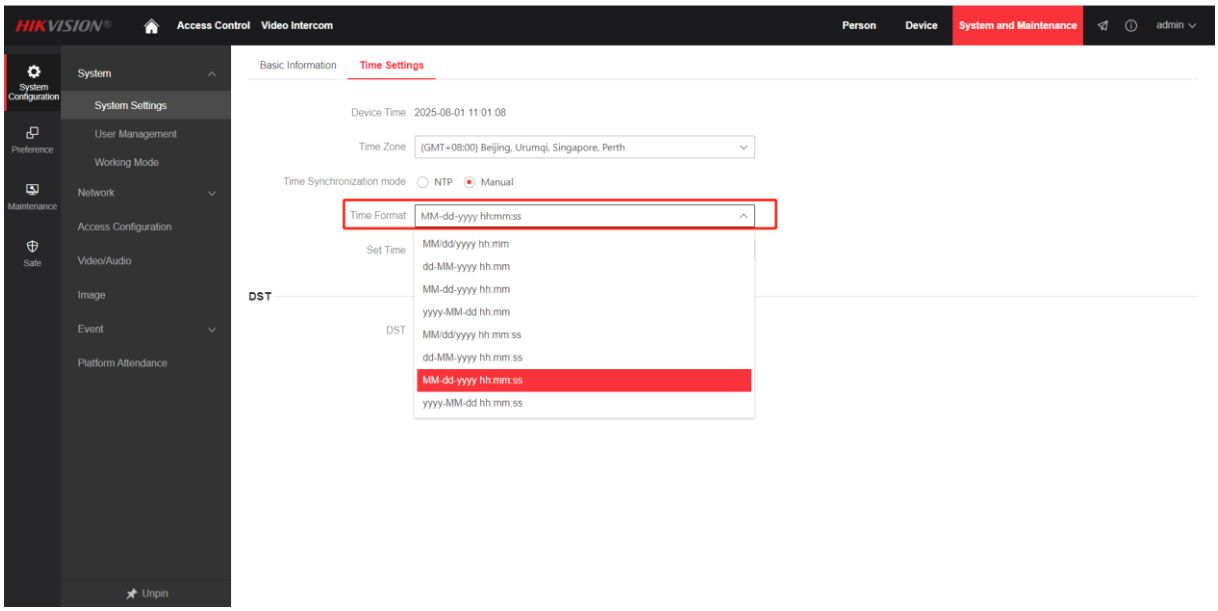
20. Support configure enable volume settings of customization prompts in web page



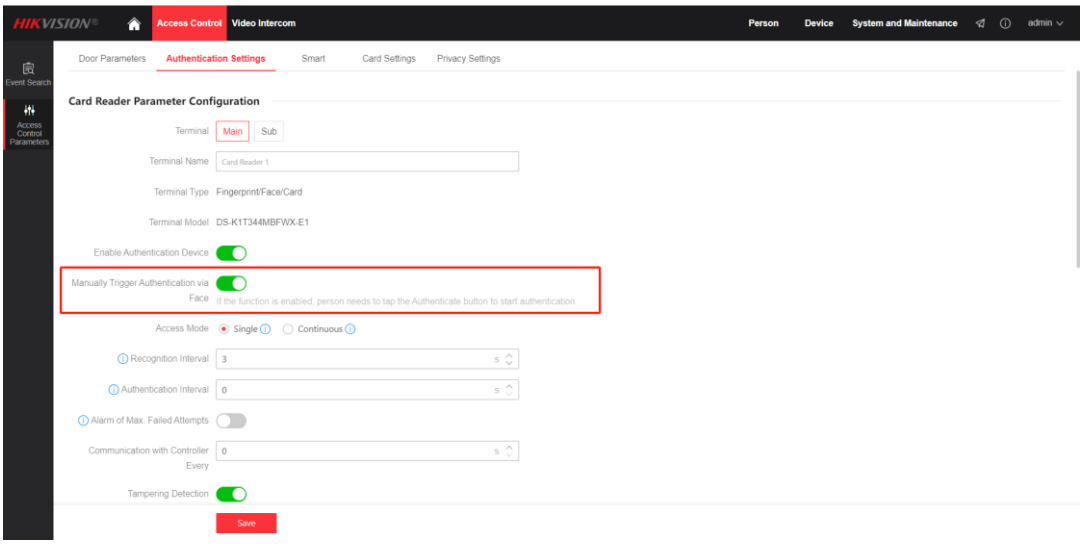
21. Support call VoIP center by one-click physical button



22. Support configure time format in web page, after configuration, the new time format will be sync to web page and local UI automatically

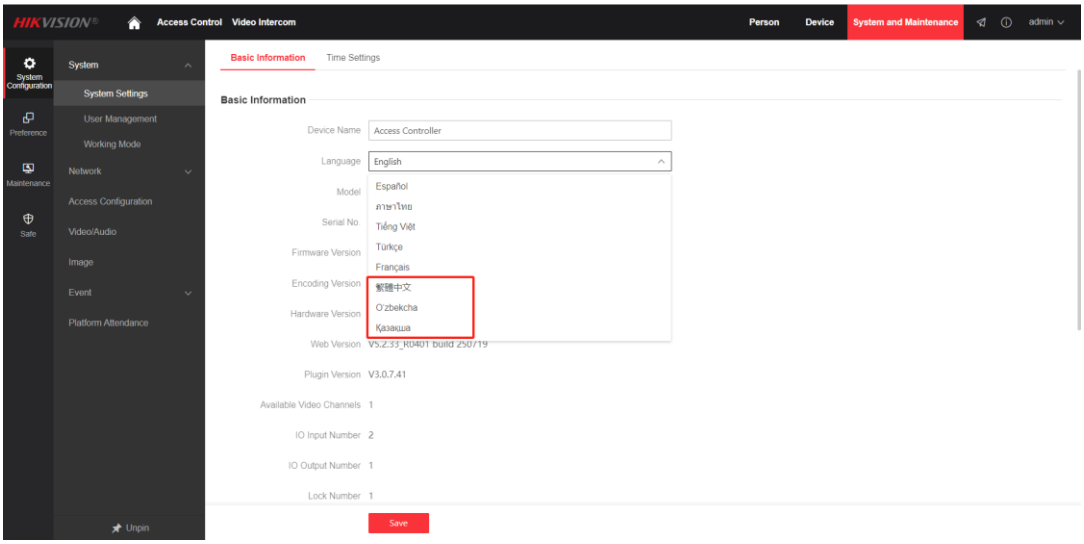


23. Support remote open door in intercom
24. Support Call mobile APP (HC-T and HCC)
25. Support upload standard SIP register status
26. Support sync device local person info to Ezviz cloud
27. Support manual click face recognition

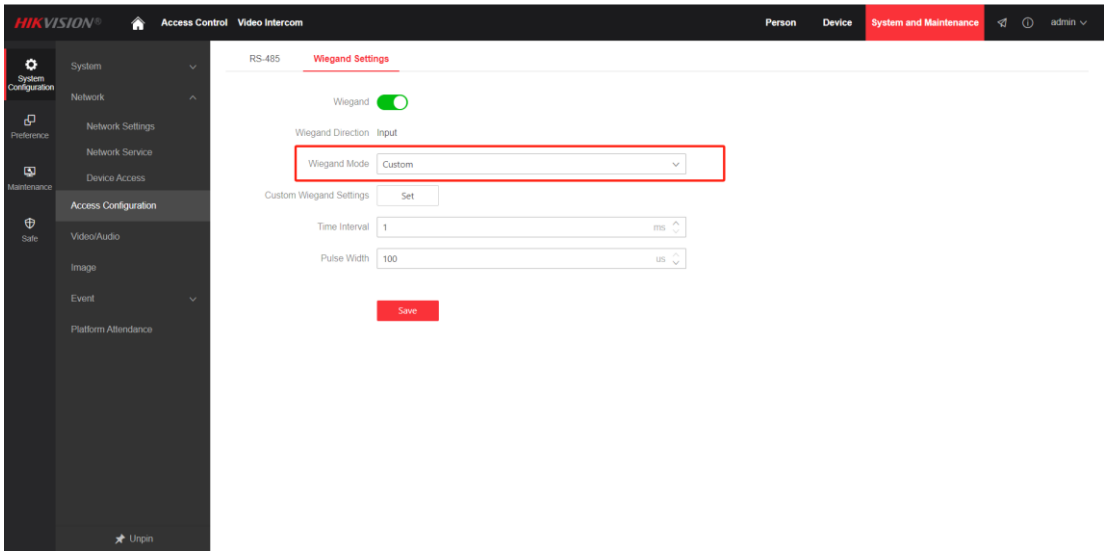


28. After door is opened, the status of door lock keeps the same to that of door contact

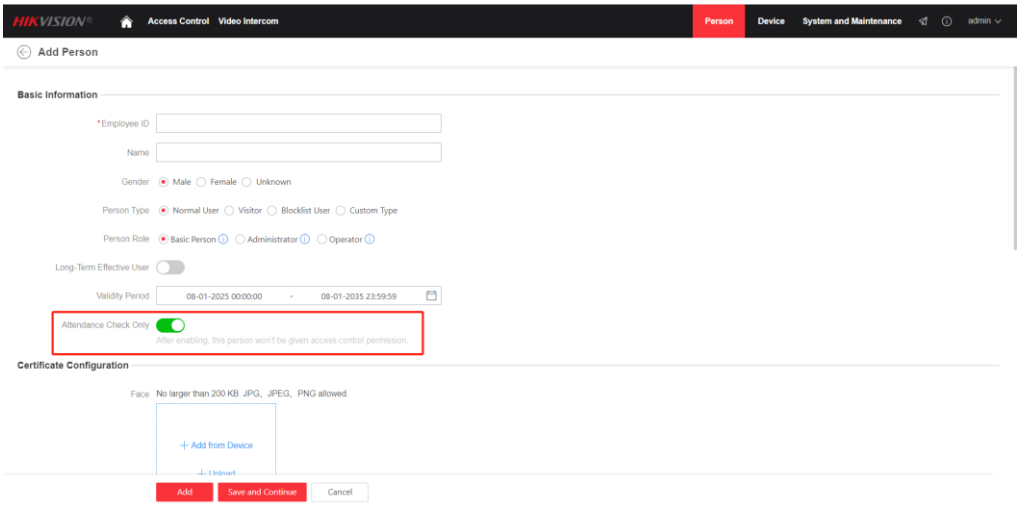
29. Support Traditional Chinese, Kazakh, and Uzbek



30. Support custom Wiegand

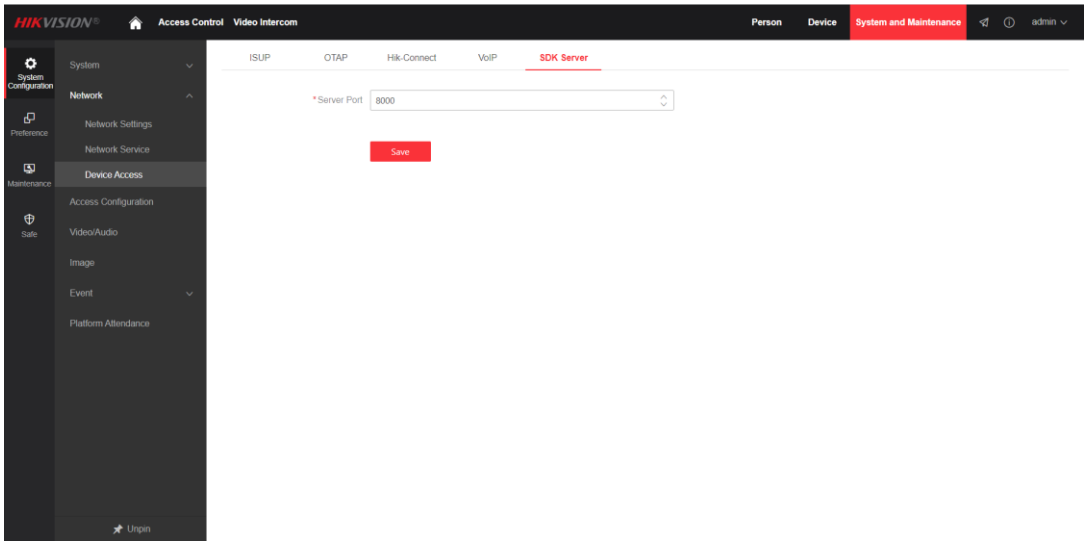


31. Support enable T&A only

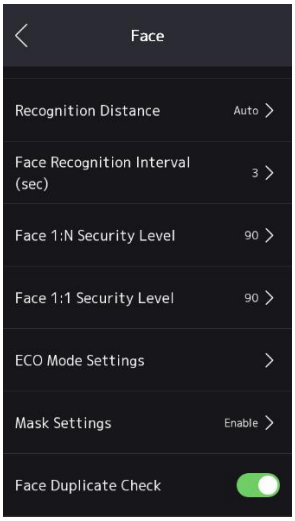


32. Support the same authentication when integration across devices

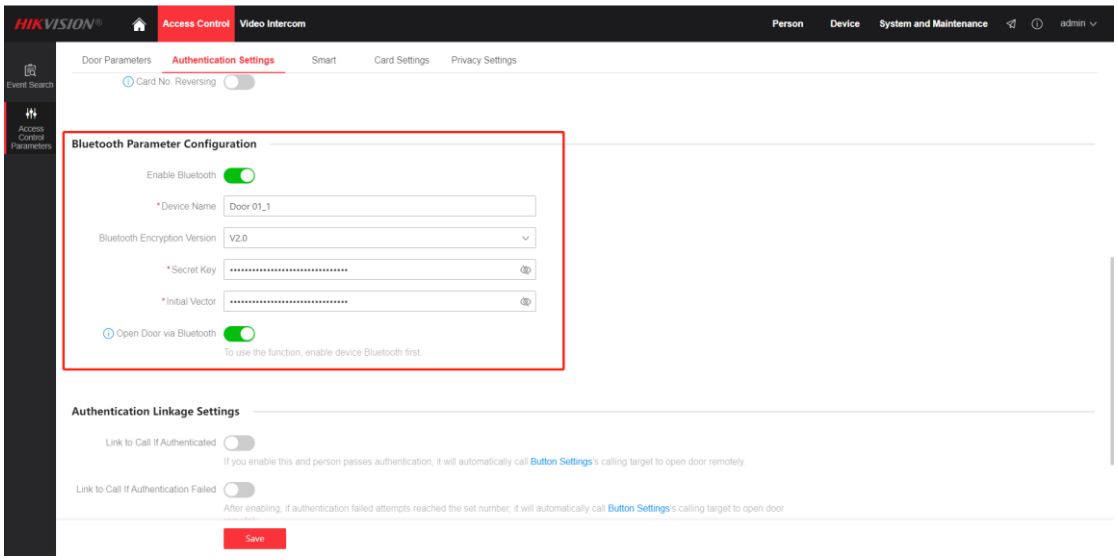
33. Support SDK 8000 port to work together with video intercom devices

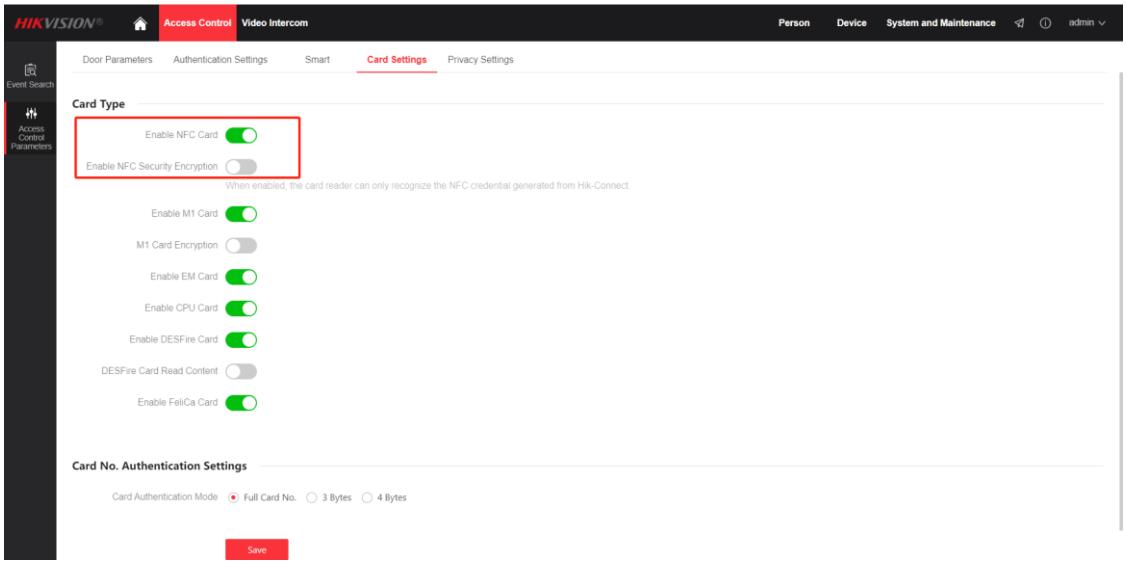


34. Support duplicated face picture check



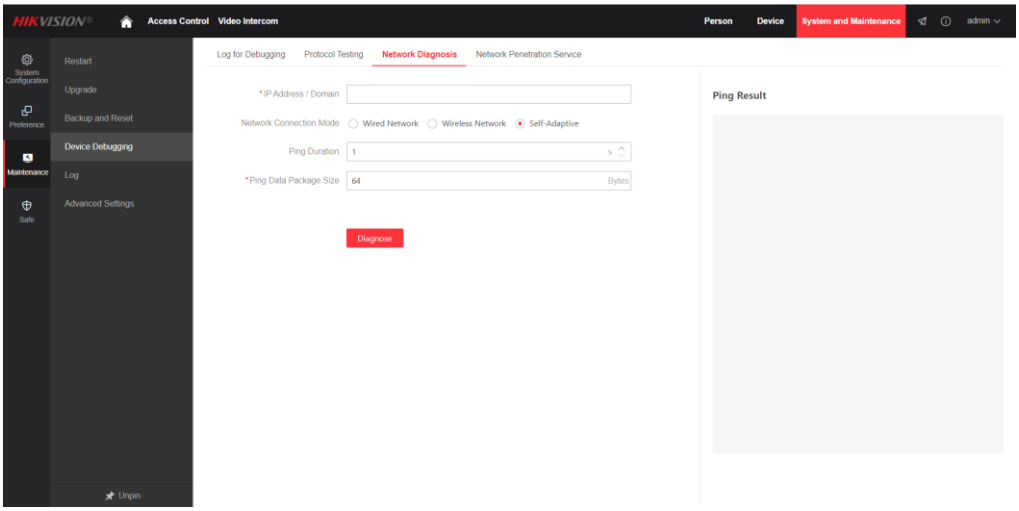
35. Support mobile access solution (Bluetooth, NFC, QR code)



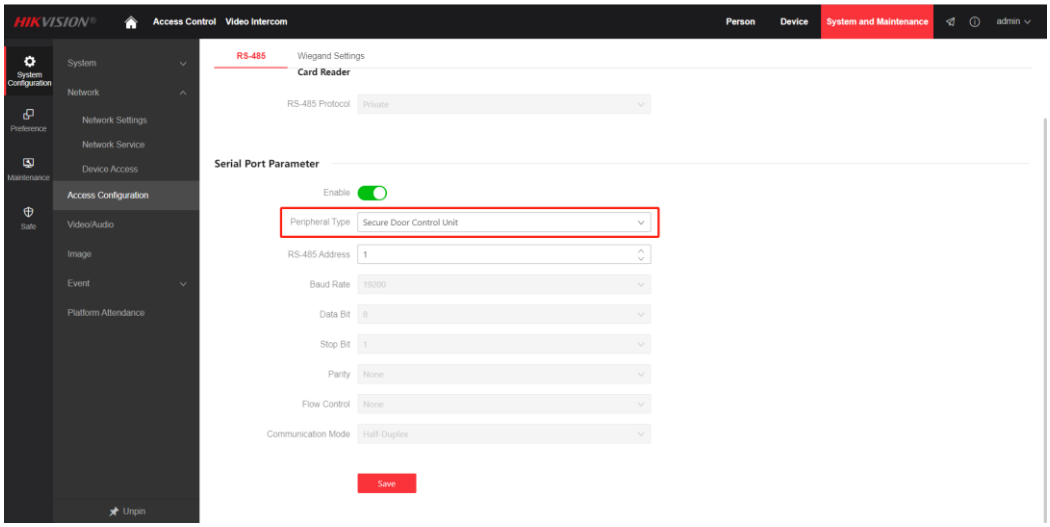




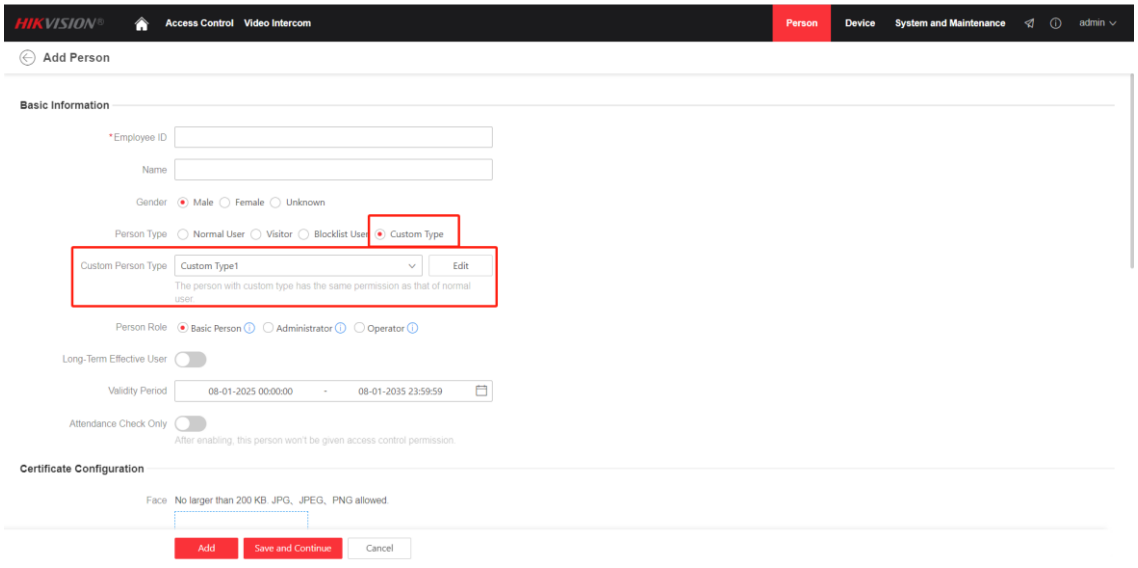
36. Support network diagnosis



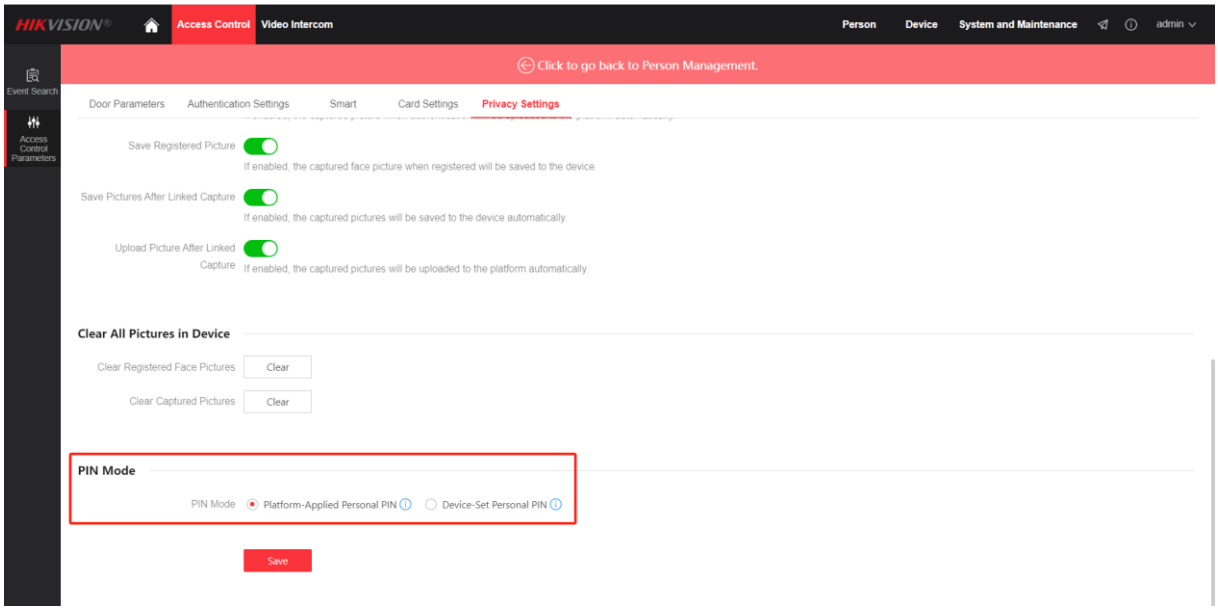
37. Support secure module encrypt and binding



38. Support self-define person type, and the permissions are the same to normal person

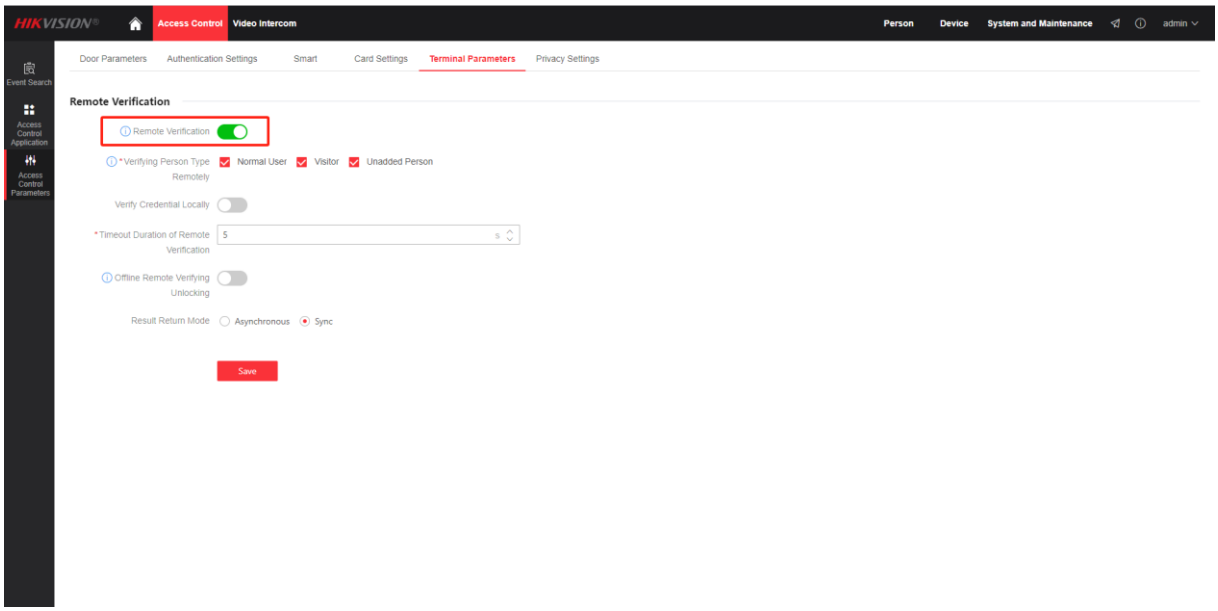


39. Support on-device PIN

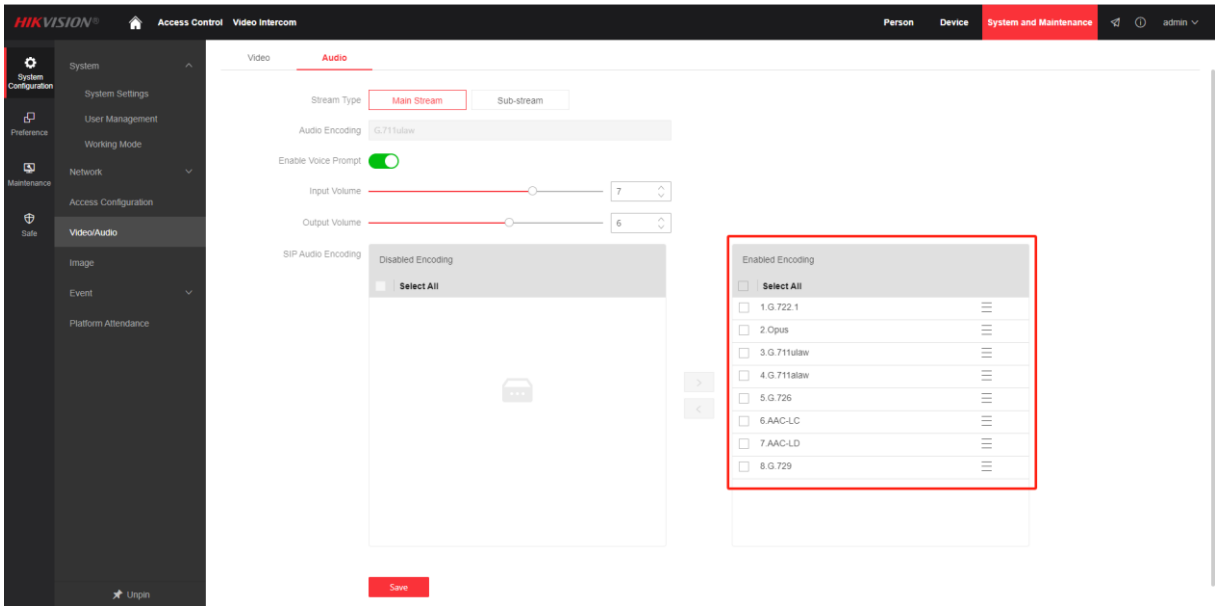


New Features (for 512MB models only):

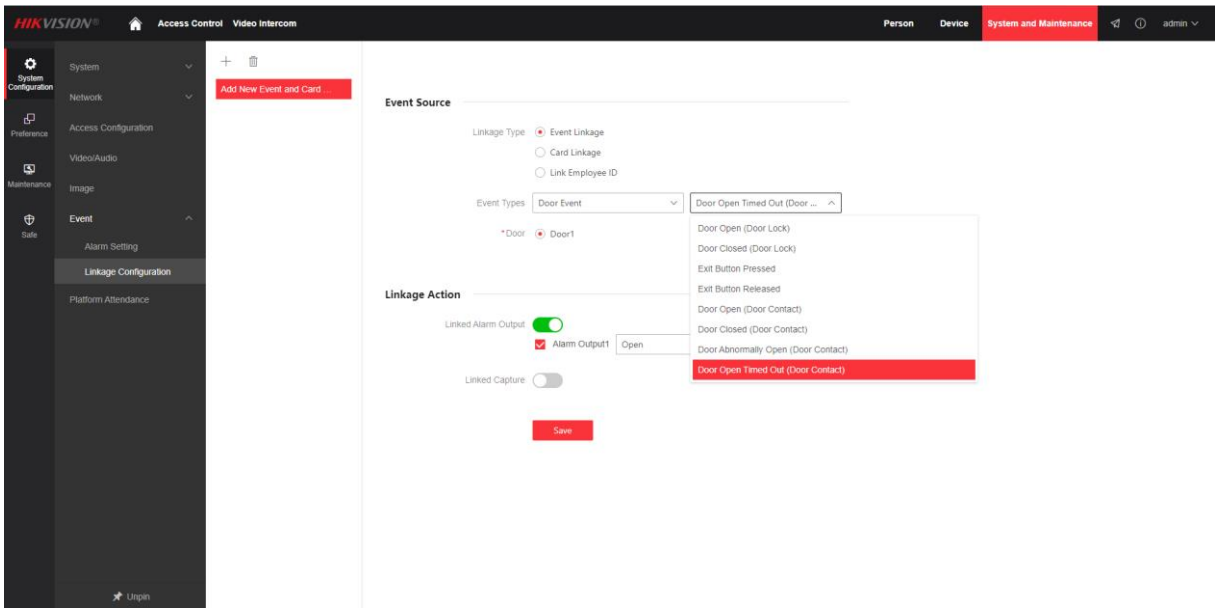
1. Support ONVIF protocol (only support login, register and get the video stream, not support video intercom)
2. Support remote authentication and group remote authentication
   a) After the remote authentication finish, the screen will display the result;
   b) Support configuration for remote authentication personnel scope, including ordinary personnel, visitors, and unregistered personnel
   c) Support display remote authentication timeout prompt
   d) Support to configure whether door will open after remote authentication timeout



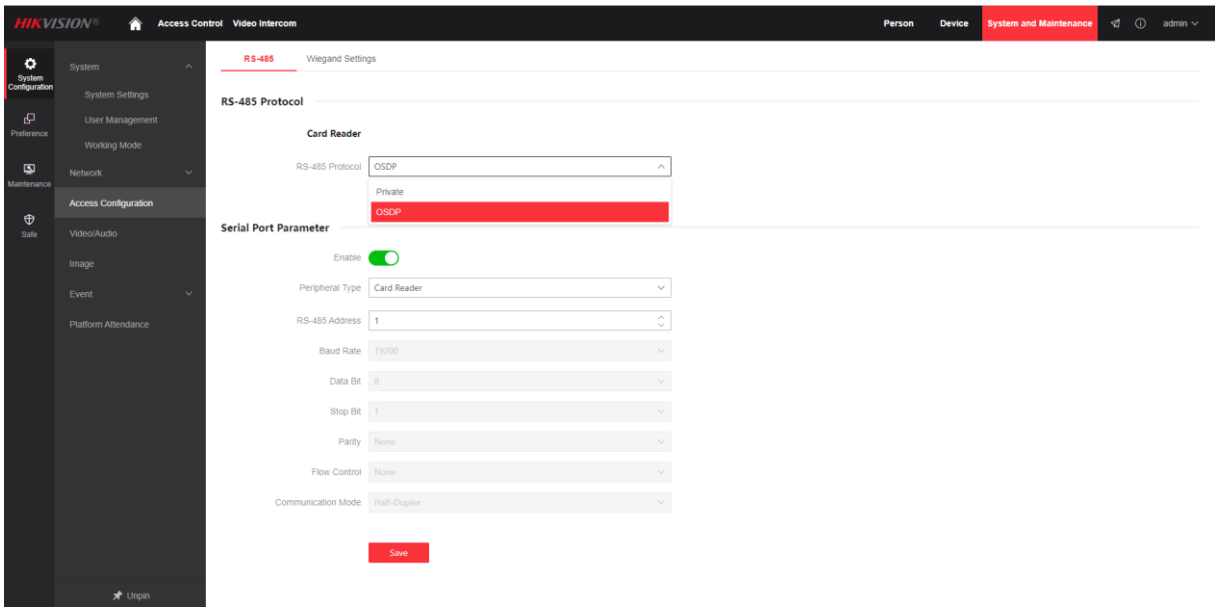
3. Compatible with 3rd party software which support SNMP protocol (such as MibBrowser Free Tool) to get the device online status. SNMP function is configurable in **system settings—basic settings—SNMP configure**, administrators can enable/disable SNMP, set the community name (similar to password for authentication), NMS server IP (Trap Host IP) and port.
4. Support more audio format: G722, G726, G729, AAC_LC, AAC_LD, OPUS



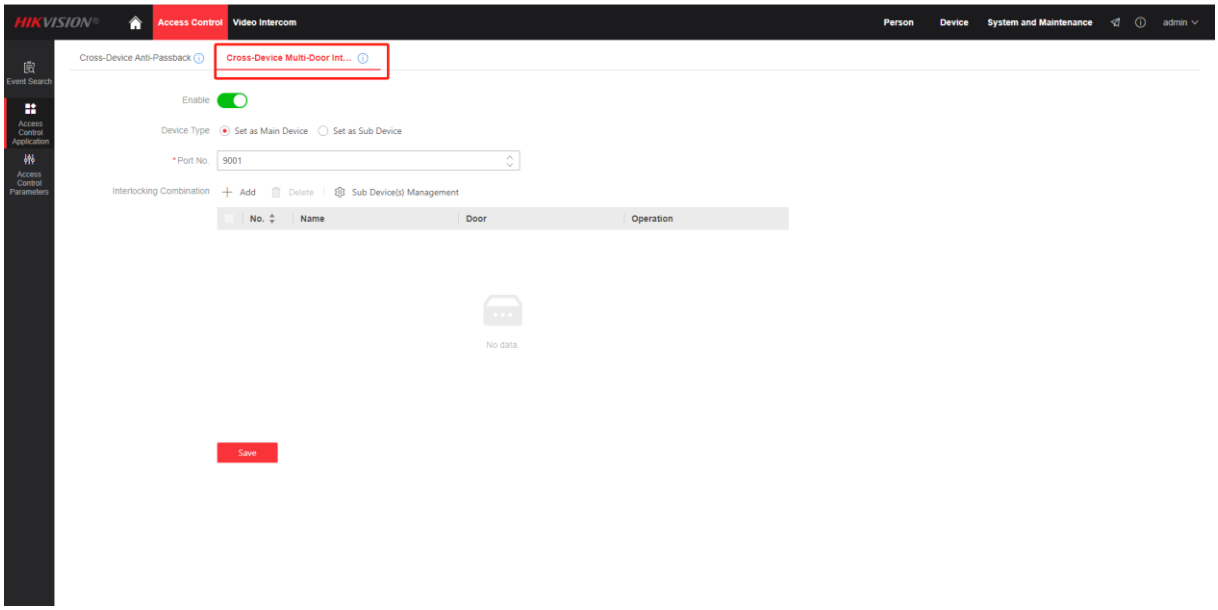
5. Support door open timeout alarm and prompt, self-define prompt and audio are supported.
   a) After enable this function, if door sensor is connected and open door timeout, the alarm will be triggered and users can see the prompt on the screen, K1T344 will play the alarm audio.
   b) The timeout duration range is 0-255s, by default it is 0s, meaning this function is disabled.



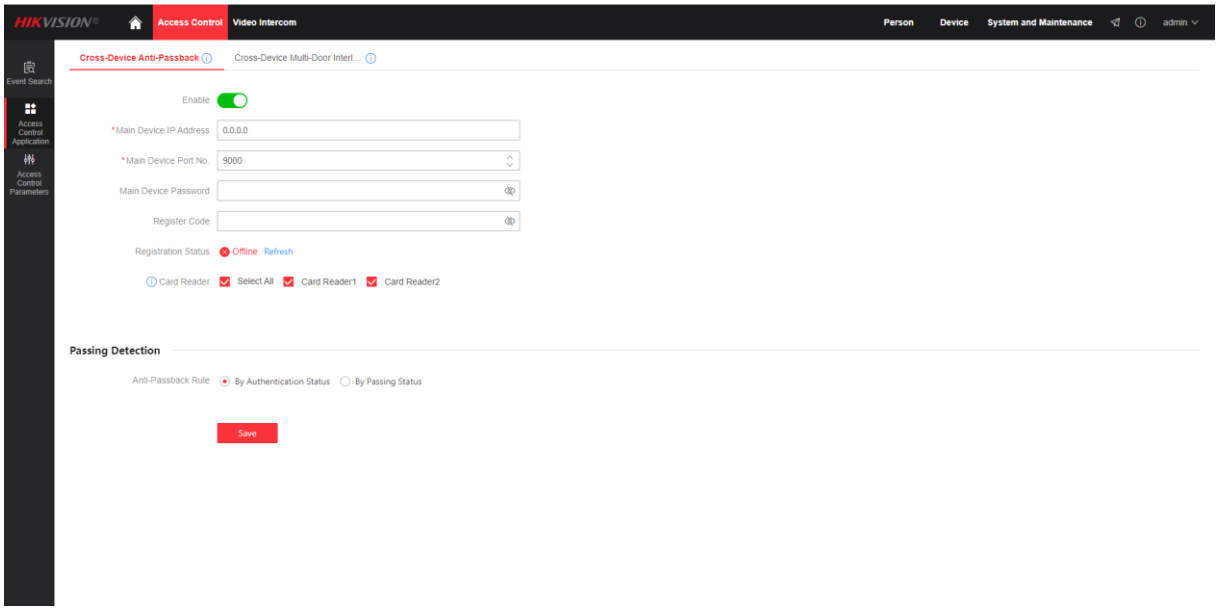
6. Support OSDP to integrate with 3rd party readers



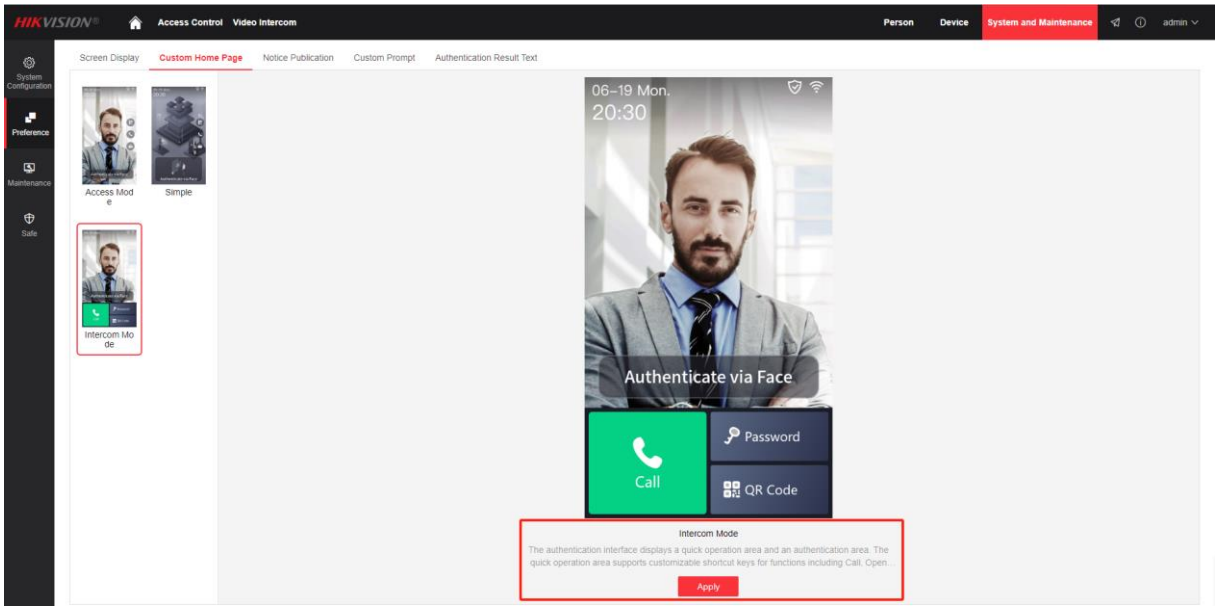
7. Support configure inter-lock among K1T344 in device web page
   a) Support to be both main device and sub device
   b) When K1T344 is the main device, support 15 sub devices; 16 inter-lock groups are configurable, and each group supports 2 doors



8. Support platform anti-pass back (only act as sub device, while main device is customized 805)



9. Add new intercom type:
   a) shortcut keys are arranged horizontally in home page
   b) support highlight the shortcut key
   c) support configure the arrangement order of the shortcut keys



10. Support call mobile app to automatically capture images
11. Support configure time range of inter-lock groups, e.g., door B will not be opened until door A close for xx seconds.

DS-K1T344 Series MinMoe Terminal Release Notes (2025-05-12)

Device Model: DS-K1T344MX-E1, DS-K1T344MBWX-E1, DS-K1T344MBWX-QRE1, DS-K1T344MBFWX-E1 DS-K1T344MFX-E1 DS-K1T344EX-E1 DS-K1T344EBWX-E1 DS-K1T344EBWX-QRE1 DS-K1T344EBFWX-E1 **Naming Rule:** M for M1 card, E for EM card -E1 for POE, B for Bluetooth F for Fingerprint, W for Wi-Fi -QR for QR code reader	Firmware Version	ACS_344_ F2pro_EN_STD_V4.31.0_build250421 ACS_344_ F2pro_EN_NEU_V4.31.0_build250421
	Software	**HikCentral AC:** https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-3-1/ **Please add device to HCP/HC AC with port 80, and port 8000 will not work**

Optimizations

Optimize the firmware to improve production efficiency

DS-K1T344 Series MinMoe Terminal Release Notes (2024-11-20)

Device Model: DS-K1T344MX-E1, DS-K1T344MBWX-E1, DS-K1T344MBWX-QRE1, DS-K1T344MBFWX-E1 DS-K1T344MFX-E1 DS-K1T344EX-E1 DS-K1T344EBWX-E1 DS-K1T344EBWX-QRE1 DS-K1T344EBFWX-E1 **Naming Rule:** M for M1 card, E for EM card -E1 for POE, B for Bluetooth F for Fingerprint, W for Wi-Fi -QR for QR code reader	Firmware Version	ACS_344_F2pro_EN_STD_V4.13.0_build241112 ACS_344_F2pro_EN_NEU_V4.13.0_build241112
	Software	**HikCentral AC:** https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-3-0/ **Please add device to HCP/HC AC with port 80, and port 8000 will not work**

Modified Features:

1. Solved the issue that after the device is activated, there is a small probability that it cannot log in to the web and cannot be added to the HC AC platform (upgrade with serial cable)
2. Optimized the factory testing process.

DS-K1T344 Series MinMoe Terminal Release Notes (2024-08-30)

Device Model: DS-K1T344MX-E1, DS-K1T344MBWX-E1, DS-K1T344MBWX-QRE1, DS-K1T344MBFWX-E1 DS-K1T344MFX-E1 DS-K1T344EX-E1 DS-K1T344EBWX-E1 DS-K1T344EBWX-QRE1 DS-K1T344EBFWX-E1 **Naming Rule:** M for M1 card, E for EM card -E1 for POE, B for Bluetooth F for Fingerprint, W for Wi-Fi -QR for QR code reader	Firmware Version	ACS_344_F2pro_EN_STD_V4.13.0_build240814 ACS_344_F2pro_EN_NEU_V4.13.0_build240814
	Software	**HikCentral AC:** https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-2-0/ **Please add device to HCP/HC AC with port 80, and port 8000 will not work**

Reason of Upgrade

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

New Features:

1. Support uploading attendance status to HikCentral Professional / HikCentral Access Control

DS-K1T344 Series MinMoe Terminal

Release Notes (2024-06-05)

Device Model: DS-K1T344MX-E1, DS-K1T344MBWX-E1, DS-K1T344MBWX-QRE1, DS-K1T344MBFWX-E1 DS-K1T344MFX-E1 DS-K1T344EX-E1 DS-K1T344EBWX-E1 DS-K1T344EBWX-QRE1 DS-K1T344EBFWX-E1 **Naming Rule:** M for M1 card, E for EM card -E1 for POE, B for Bluetooth F for Fingerprint, W for Wi-Fi -QR for QR code reader	Firmware Version	ACS_344_F2pro_EN_STD_V4.13.0_build240527 ACS_344_F2pro_EN_NEU_V4.13.0_build240527
	Software	**HikCentral AC:** https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-2-0/ **Please add device to HCP/HC AC with port 80, and port 8000 will not work**

Reason of Upgrade

New model DS-K1T344 series access control terminals first time released.



physical button (no FP & QR module)



QR module



FP (fingerprint) module

New Features

1. Metal frame with IP65 protection
2. 4.5-inch LCD touch screen, 2 Mega pixel wide-angle lens, and built-in M1/EM card reading module
3. Face Recognition Distance: 0.3 m to 1.5 m; Duration ＜ 0.2 s/User; Accuracy rate ≥ 99%

4. Multiple verification methods: Card, Fingerprint(model with -F), Face, QR code (model with -QR), Bluetooth (model with -B)
5. Multilingual: English, Español, العربية, ภาษาไทย, Bahasa Indonesia, русский, Tiếng Việt, português do Brasil, Türkçe, Français
6. Two-way audio with client software, indoor station, and main station.
7. Supports PC web and mobile web for configuration (model with -W only)
8. Powered by 12 VDC or PoE and supports powering for device and door lock
9. Support 2 alarm inputs & 1 alarm output

Model	User	Finger-print	Card	Event	Bluetooth	Wi-Fi	POE
DS-K1T344MX-E1	3,000	N/A	3,000 (EM or M1 card)	150,000	N/A	N/A	Support
DS-K1T344MBWX-E1		N/A			Support	Support	
DS-K1T344MBWX-QRE1		N/A			Support	Support	
DS-K1T344MBFWX-E1		3,000			Support	Support	
DS-K1T344MFX-E1		3,000			N/A	N/A	
DS-K1T344EX-E1		N/A			N/A	N/A	
DS-K1T344EBWX-E1		N/A			Support	Support	
DS-K1T344EBWX-QRE1		N/A			Support	Support	
DS-K1T344EBFWX-E1		3,000			Support	Support	

10. Capacity
11. Remote video intercom and unlock door from Hik-Connect App on your mobile/Pad

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.

Hikvision Digital Technology CO., Ltd.
No. 555 Qianmo Road, Binjiang District, Hangzhou 310051, China
Tel: +86-571-8807-5998
FAX: +86-571-8993-5635
Email: overseabusiness@hikvision.com