HIKVISION

DS-K1T673 Series MinMoe Terminal
Release Notes (2024-03-26)

| Device Model:
DS-K1T673TDGX,DS-K1T673TDWX,
DS-K1T673TDX, DS-K1T673DX
DS-K1T673DWX

Modules (optional):
DS-KAB673-B, DS-KAB673-BQR
DS-KAB673-FB, DS-KAB673-FBQR
DS-KAB673-WEQR,DS-KAB673-WBQR

Naming Rule:
D for Desfire, Felica and M1 card
W for Wi-Fi, F for fingerprint
G for SIM card,
B for Bluetooth, QR for QR code
WE for 868 MHz ,WB for 433 MHz | Firmware Version | ARM:
ACS_673_F1plus_EN_STD_V4.10.0_build240326
ACS_673_F1plus_EN_NEU_V4.10.0_build240326 |
| | Software Version | HikCentral AC:
https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-2-0/ |

Reason of Upgrade

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

Function Optimization

1   UI display optimization when connecting with turnstile:
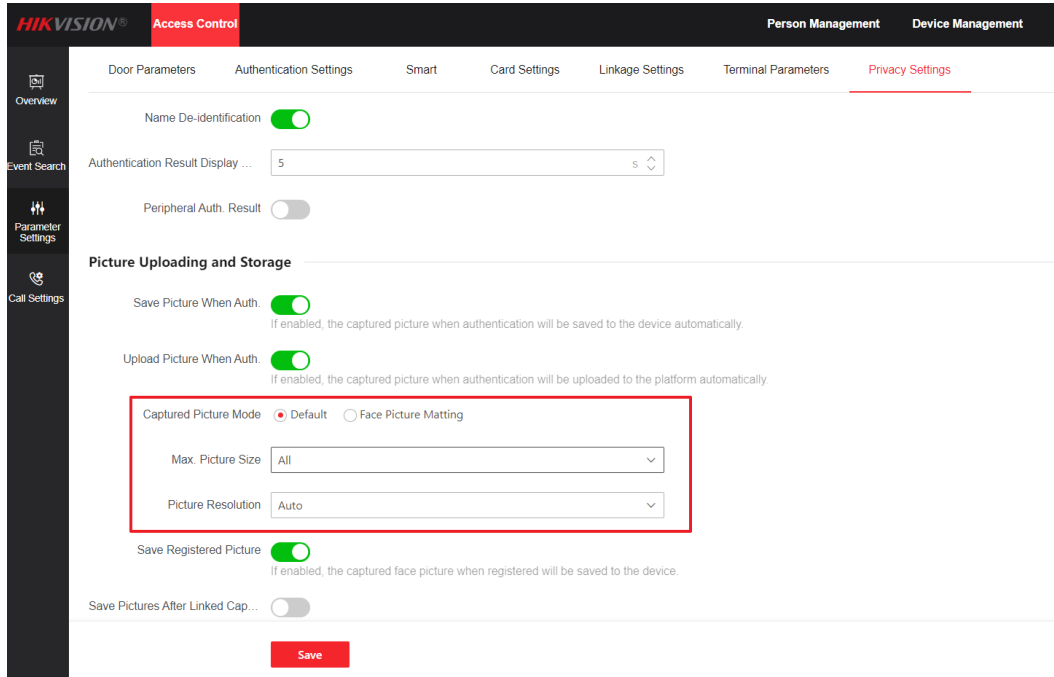
When connecting with turnstile as card reader via RS485 protocol, 673 can display authentication result of turnstile. (only work when firmware version of turnstile supports this function as well)
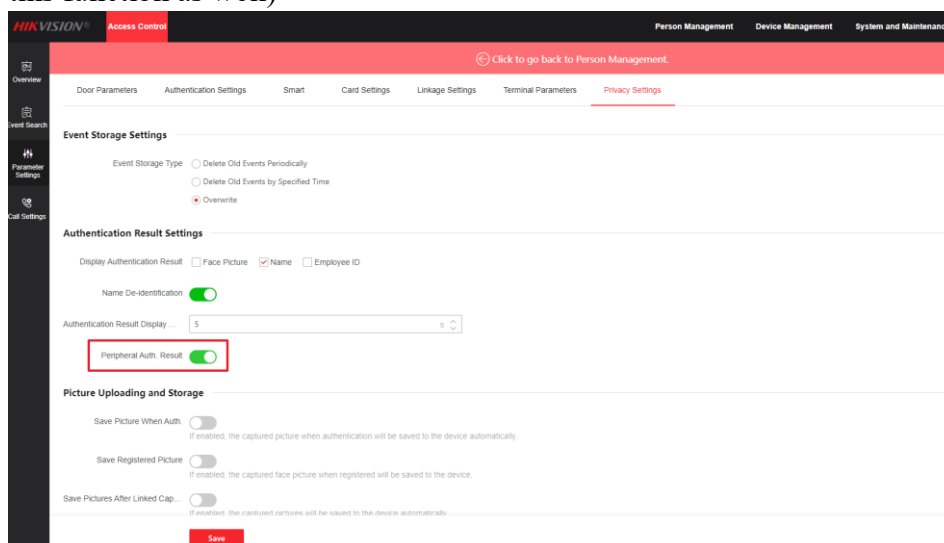
2   Face algorithm compatibility:

When upgrade firmware from 3.18.0 or before to V4.10.0 and did not save registered picture in privacy settings, there is no need to apply face picture to device again.

3 Support QR Code V2.0 dynamic encryption

4 Support multi factor authentication full authentication group link, expand authentication group quantity

5 Support custom solution and size of face captured picture
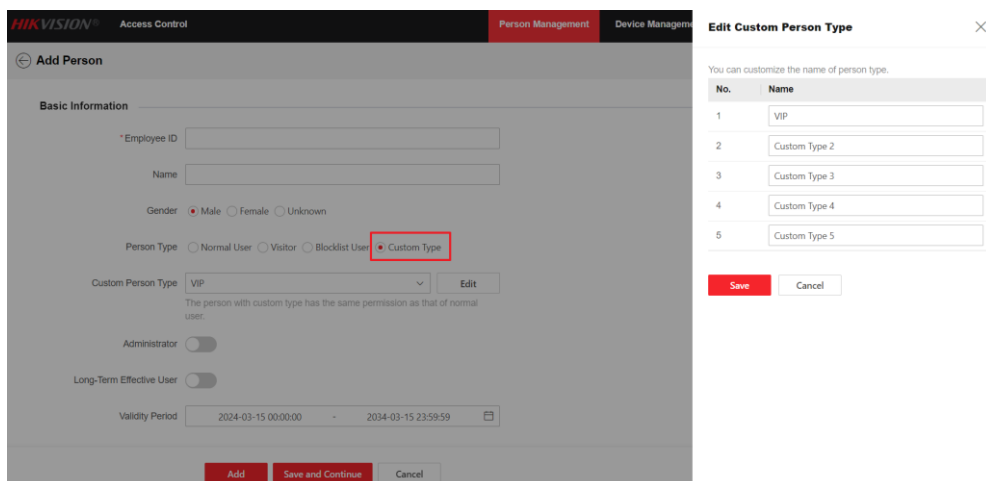

6 Support display remote host IP on event search page

7 Remove deep mode on web client

8 Remove ehome 2.0/2.6/4.0 protocol, only keep ISUP 5.0

New Features

1. Support customize person type

2. Person synchronization : support sync person information to platform automatically
   Notice:
   a. Platform requirement: HCP V2.4.1 or HCAC V2.1.1 or later
   b. Only ISAPI or ISUP protocol supported
   c. Need to set up on platform first. If you enable this function , changes of the person information will be synced from the device to the platform automatically
3. Support PIN mode switch between platform applied personal PIN mode and device set personal PIN mode
   Notice :
   Open web client, go to Access Control –Parameter Setting-Privacy Settings-PIN mode to switch PIN Code mode. In platform applied mode, cannot edit PIN Code on web client, it needs to be set on platform. In device set mode, can edit PIN Code on web client or local UI and PIN code set by platform is invalid.
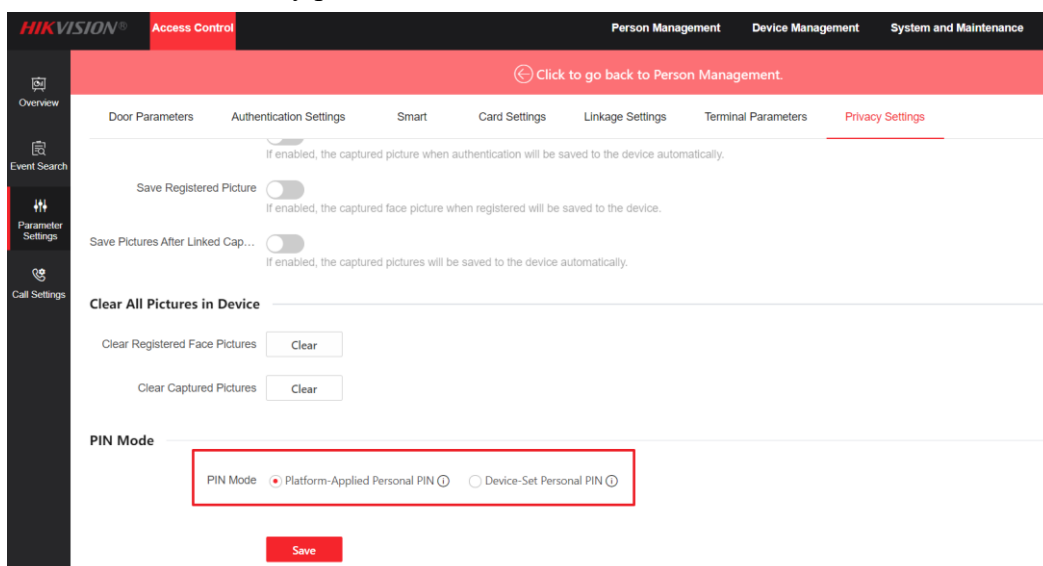
4. Support duplicated face picture check
   After enabling this function, it will fail to save face picture when enroll duplicated face.
   This function CANNOT work when batch applying face from platform

The face picture already exists.
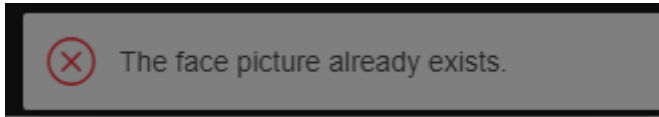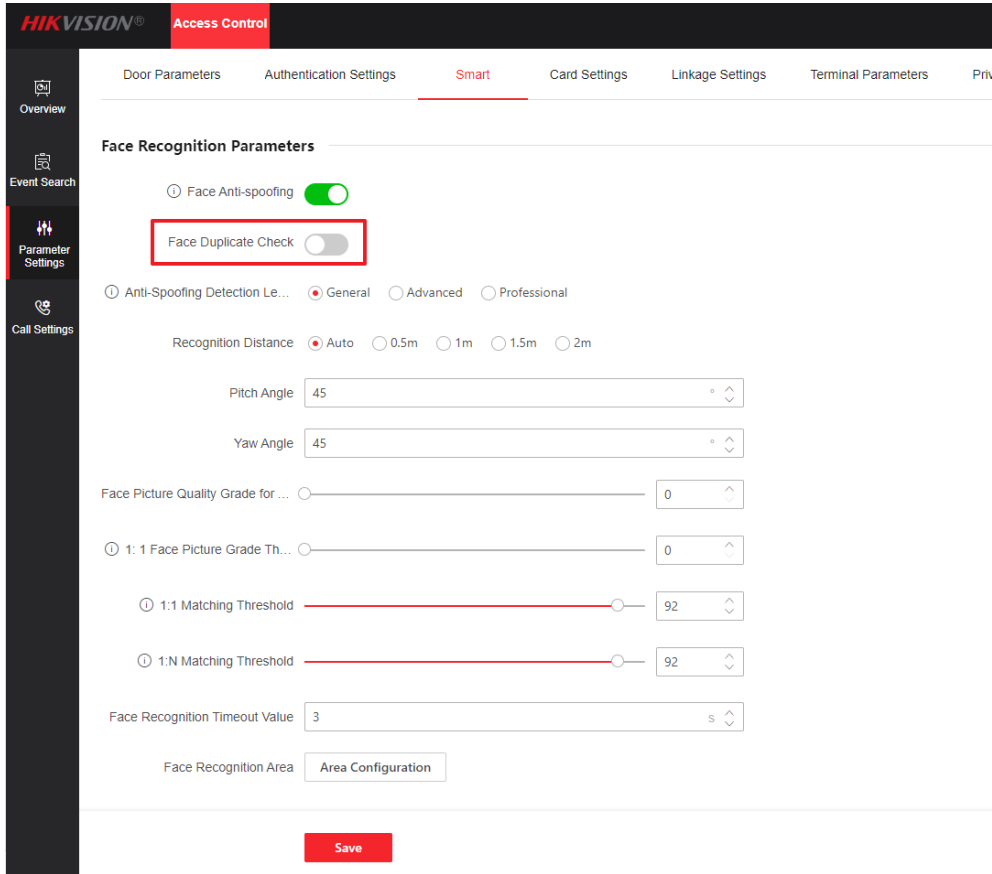
5. Support captured face picture matting
   Default captured picture & face picture matting:
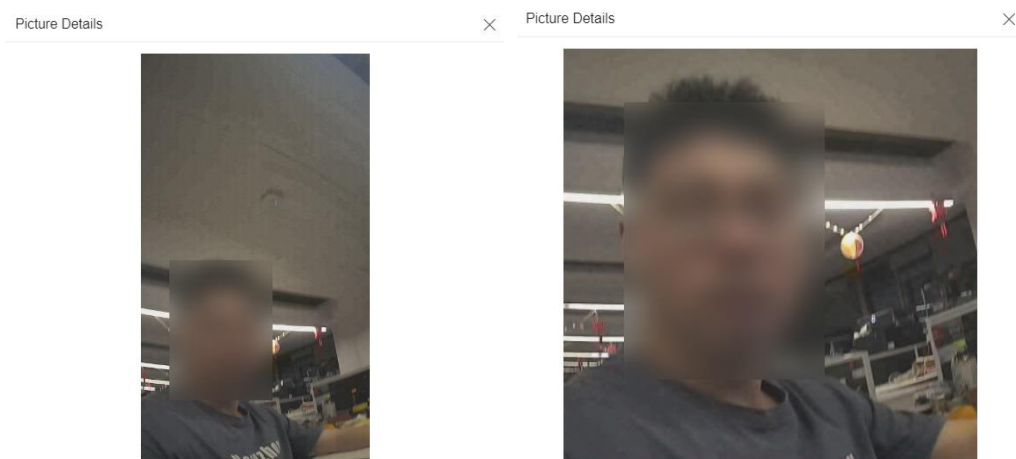
6. Remote verification:
   Support remote verification+ local verification or remote verification only.
   After enabling this function, multi person authentication cannot work
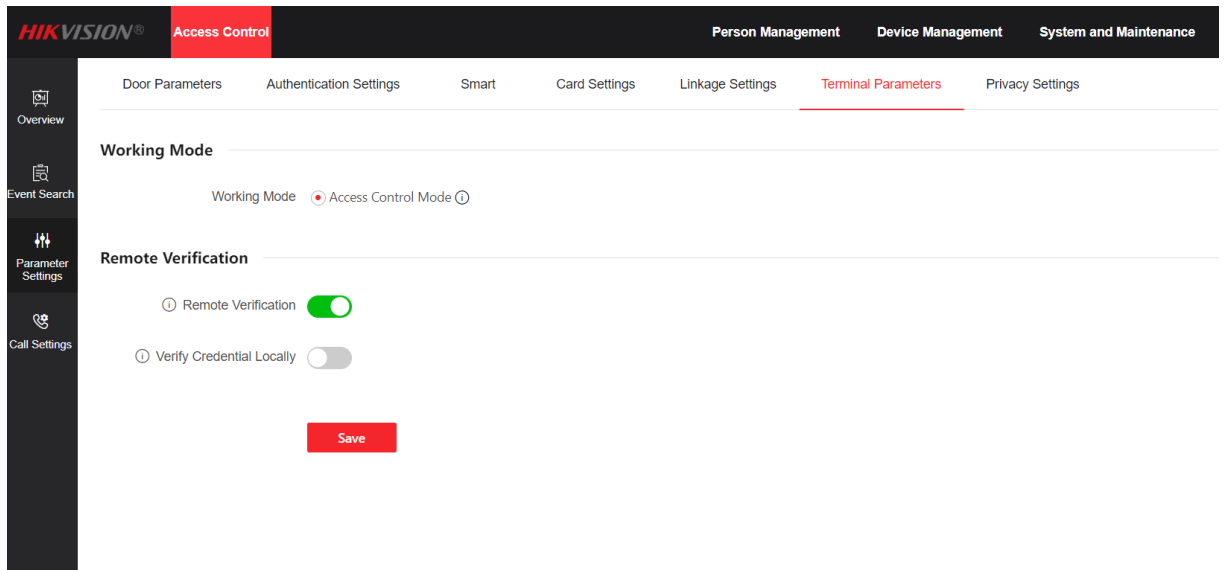
7. Blocklist management: support set door permission for person in blocklist
8. Link authentication to call:
   Enabling this function, after authenticating device will not open door, it will call objects based on call button settings, waiting for remote open
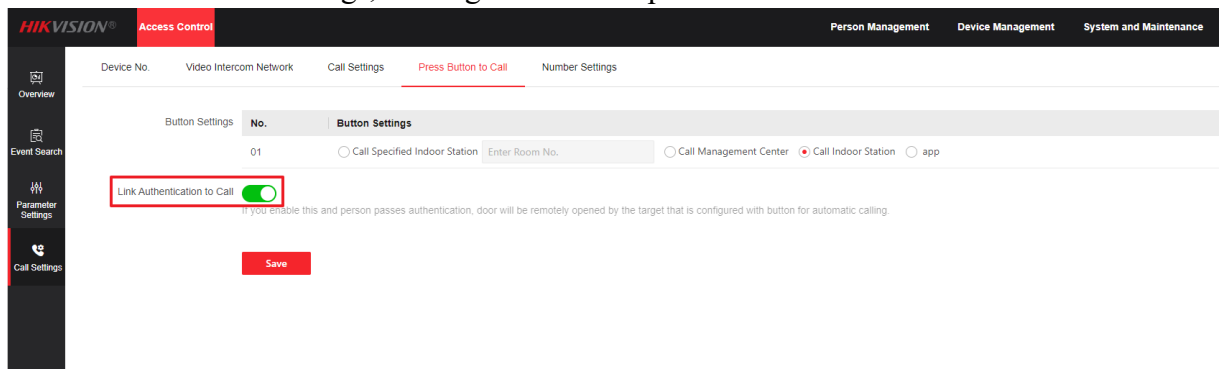
9. Support manually trigger authentication
   After enabling this function, person need to tap authentication button to start authentication
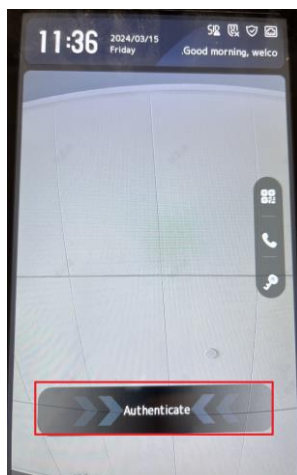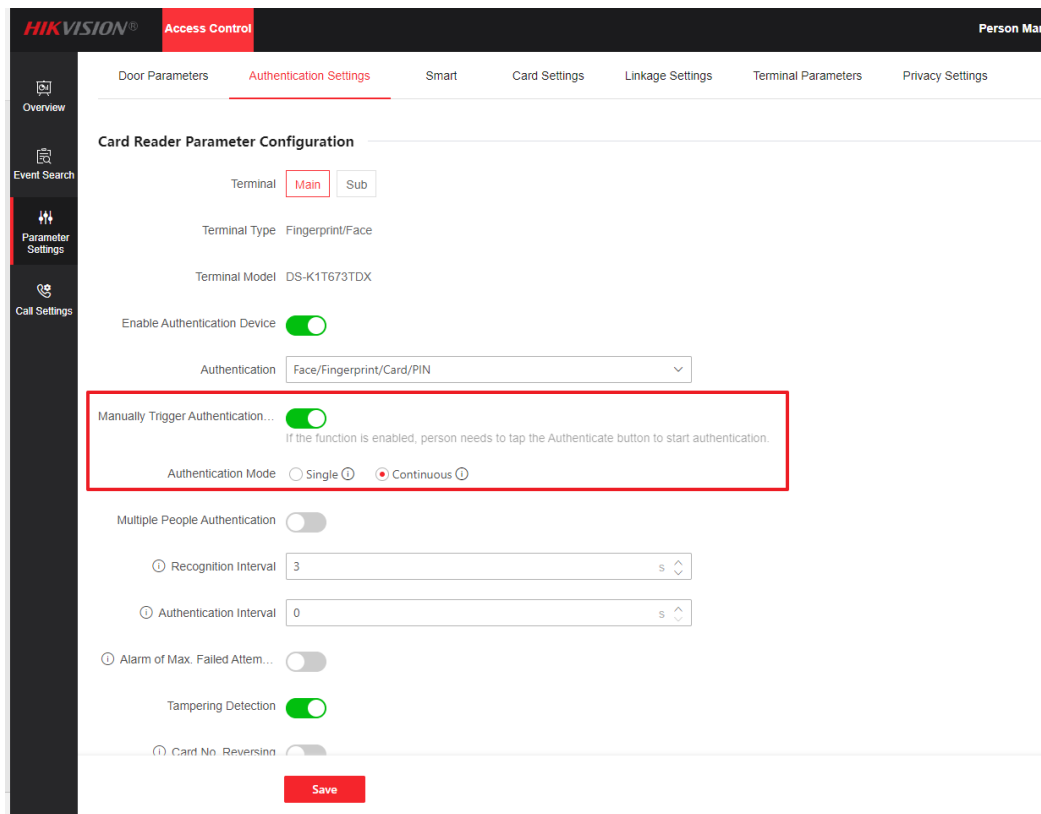
10. Password management: support modify password on local UI
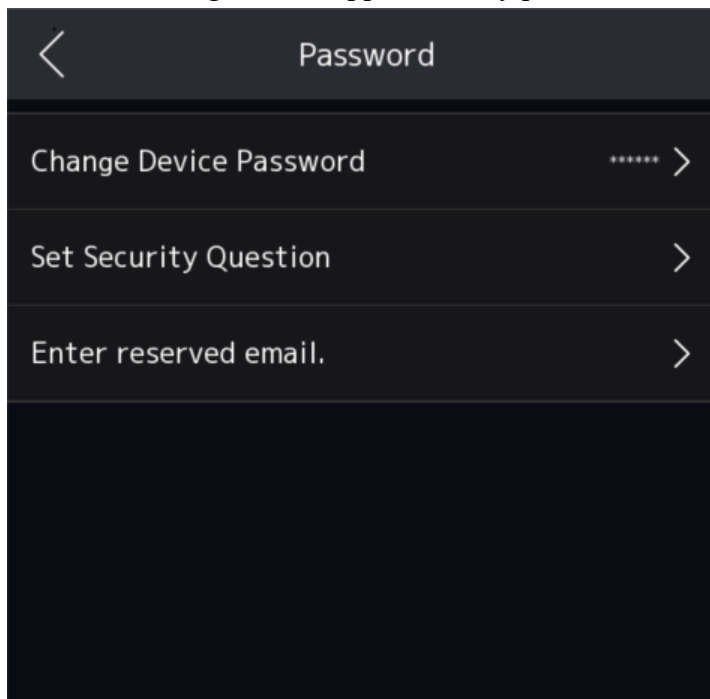
11. Support first person authorize and first person authentication time configuration (only work when using ISAPI protocol)
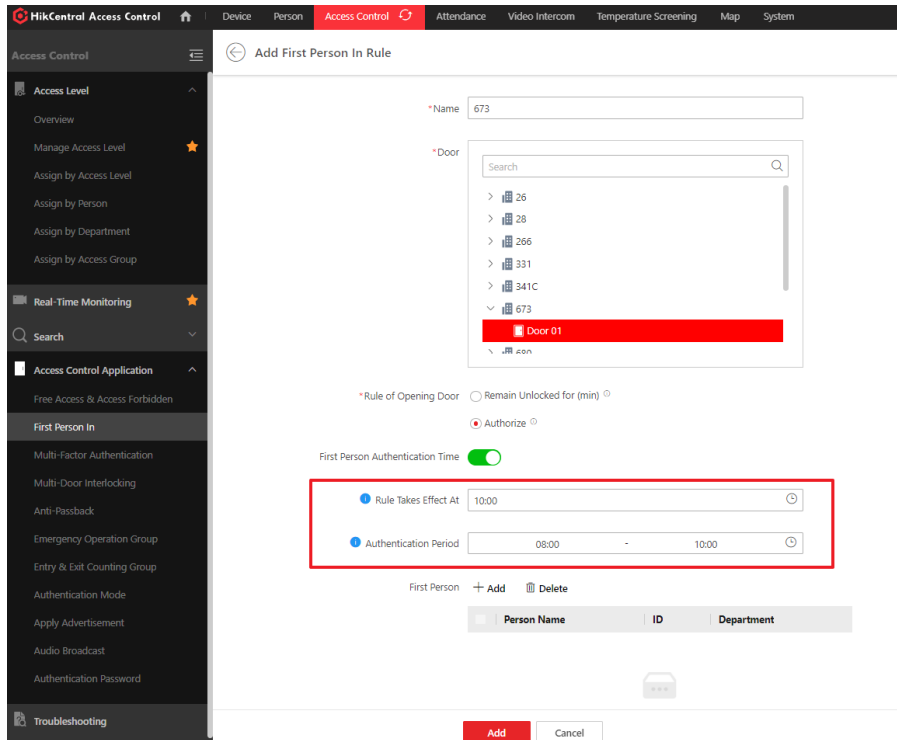
12. Support language: Traditional Chinese, French, Turkish, English, Spanish (South America), Arabic, Thai, Indonesian, Russian, Vietnamese, Portuguese (Brazil), Japanese, Korean. Red one are newly supported languages.

13. Support elevator controller.
    a. Support Max. 4 elevator controller
    b. Support different call elevator mode: authorize only, call elevator only, call elevator + authorize

14. Preference
    a. Support custom booting picture and standby picture
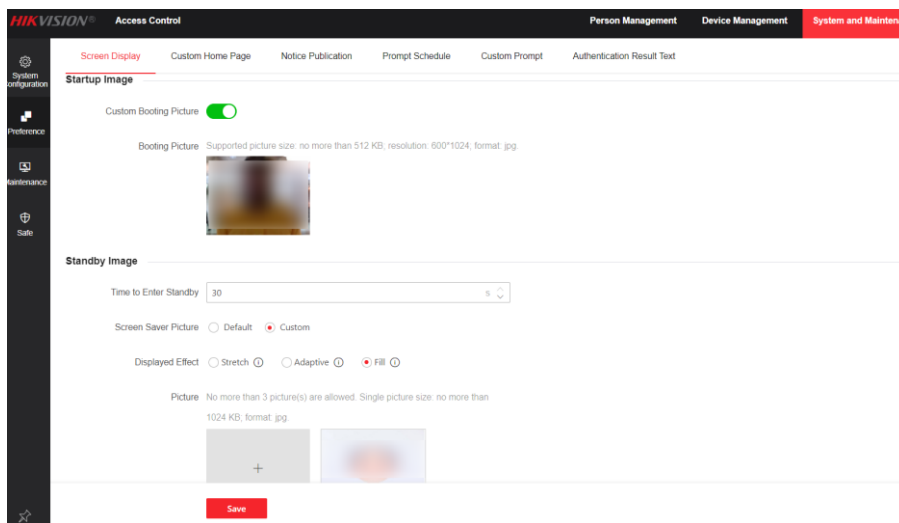
    b. Support different advertisement mode: authentication mode, Ad in split screen, Ad in full screen
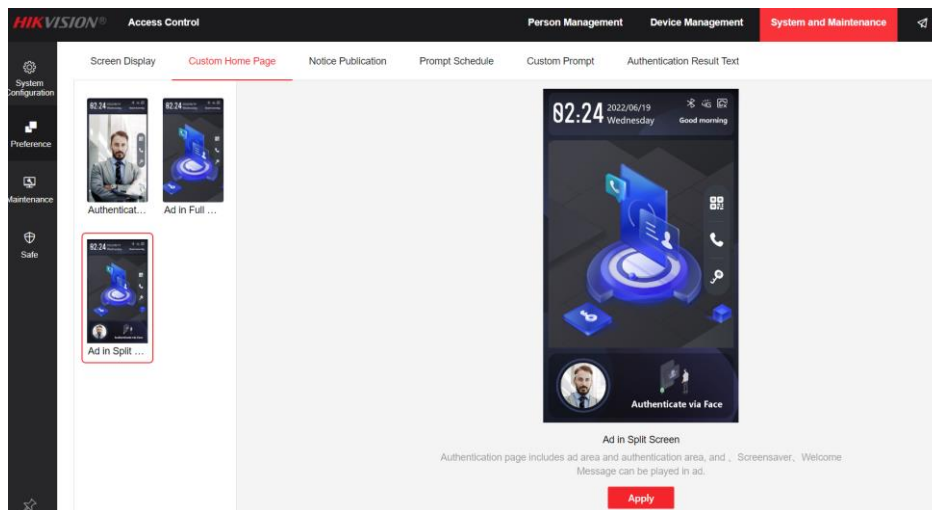
15. Video intercom:
    a. Support SIP 2.0
    b. Support VOIP function
    c. Support contact list on local UI
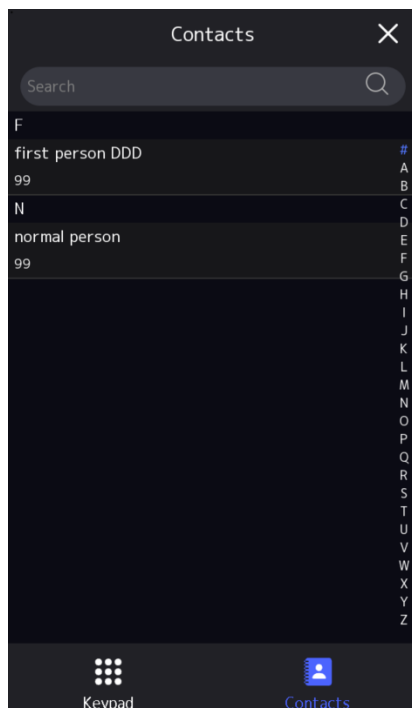
16. Maintenance
    a. Support protocol testing
    b. Support network diagnosis
    c. Support network penetration service
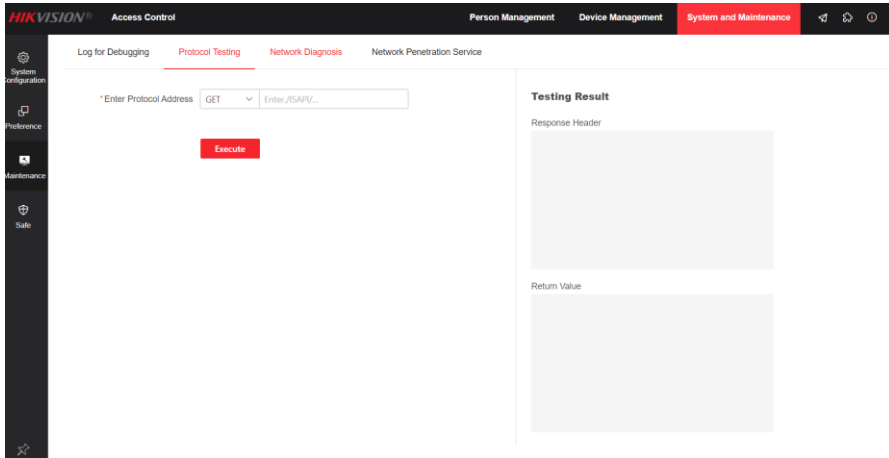
17. Support live view and event search without web plug-in
18. Support custom wiegand
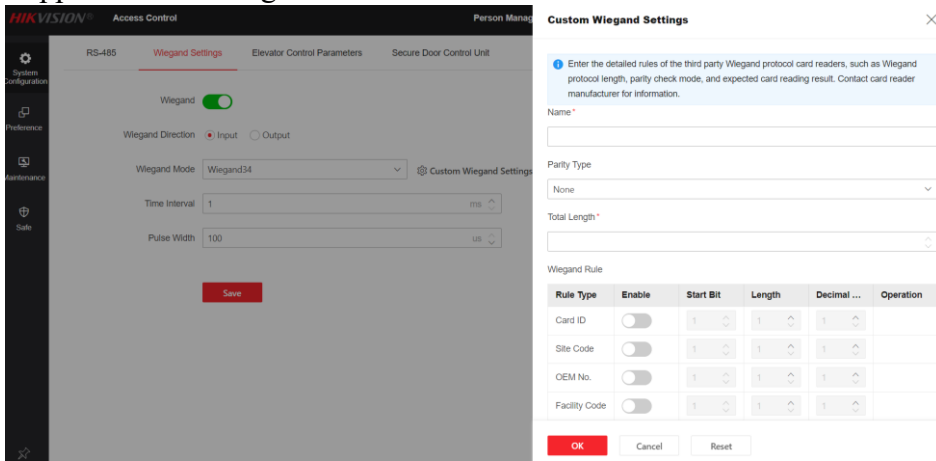
19. Support set sub card reader position for Wiegand reader. If set as the same side as main card reader, sub card reader can work with main card reader to realize combined authentication.
20. Support OTAP protocol

Fix bug
1. Fix some known bug

DS-K1T673 Series MinMoe Terminal

Release Notes (2023-12-06)

Device Model: DS-K1T673TDGX,DS-K1T673TDWX, DS-K1T673TDX, DS-K1T673DX DS-K1T673DWX **Modules (optional)**: DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR DS-KAB673-WEQR,DS-KAB673-WBQR **Naming Rule:** D for Desfire, Felica and M1 card W for Wi-Fi, F for fingerprint G for SIM card, B for Bluetooth, QR for QR code WE for 868 MHz ,WB for 433 MHz	Firmware Version	**ARM:** ACS_673_F1plus_EN_STD_V3.18.0_build231123 ACS_673_F1plus_EN_NEU_V3.18.0_build231123
	Software Version	**HikCentral AC:** https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-1/

Reason of Upgrade

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

Fix bug

9   Fix some known bug

DS-K1T673 Series MinMoe Terminal

Release Notes (2023-11-07)

Device Model: DS-K1T673TDGX,DS-K1T673TDWX, DS-K1T673TDX, DS-K1T673DX DS-K1T673DWX **Modules (optional)**: DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR DS-KAB673-WEQR,DS-KAB673-WBQR	Firmware Version	**ARM:** ACS_673_F1plus_EN_STD_V3.18.0_build231023 ACS_673_F1plus_EN_NEU_V3.18.0_build231023
	Software Version	**HikCentral AC:** https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-1/

Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for fingerprint G for SIM card, B for Bluetooth, QR for QR code WE for 868 MHz ,WB for 433 MHz		

Reason of Upgrade

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

New Features

10 Support peripheral module to work with alarm keyfob/QR code/Bluetooth function
    If connected with wireless peripheral module(WE/WB), icon representing keyfob status
   will change on main screen

Connected   Disconnected

11 Support dual door control. When it connects with security door control unit, it can control
    2 doors at the same time. One is connected to door relay of device itself, the second lock is
    connected with security door control unit. These 2 doors can realize dual-door interlocking,
    namely when one door is open, the second door cannot be open by authentication or exit
    button.

    Note:
    1. When secure door control unit work as door 1, keyfob or other authentication method
        can only open door 1. Press button I on keyfob to open door 1, button II cannot work.
    2. When secure door control unit work as door 2, you can press button I on keyfob to
        open door 1, press button II to open door 2, wireless peripheral module needs to be
        well connected. But using other authentication method, you can only open door 1
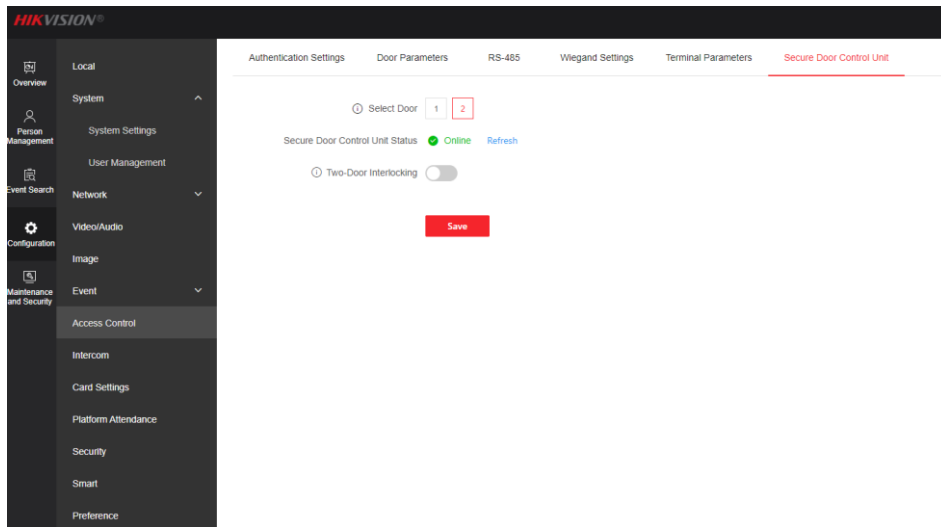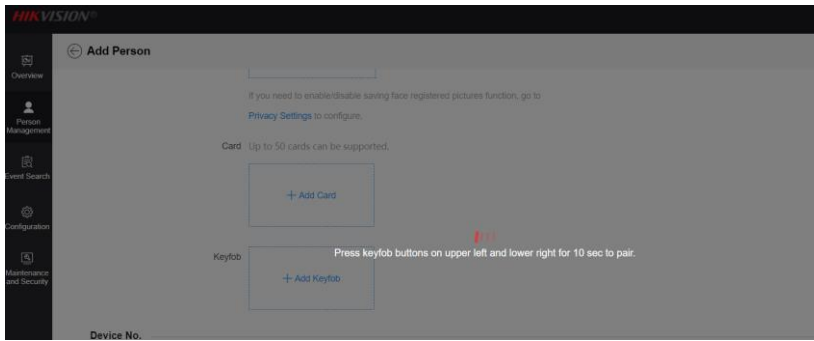
12 Support physical call button. Physical call button on peripheral module can work the same way as virtual call button on main screen.

13 Support QR code 2.0

14 Support add keyfob as credential in person management.(Keyfob model: 302402368 DS-PC2002-WBCKV(O-STD) 433MHz 、302402363 DS-PC2002-WECKV(O-STD) 868MHz)

   a. Add, delete or check keyfob status on person management of web client. Input serial number of keyfob, press upper left and bottom right of keyfob button for 10s to pair

   b. Can edit permission of keyfob to control door1 or door2

   c. Support different authentication mode for keyfob: keyfob or keyfob+face

   Note:

One keyfob can only be paired with one person on one device. One device can pair with Max. 5000 keyfobs
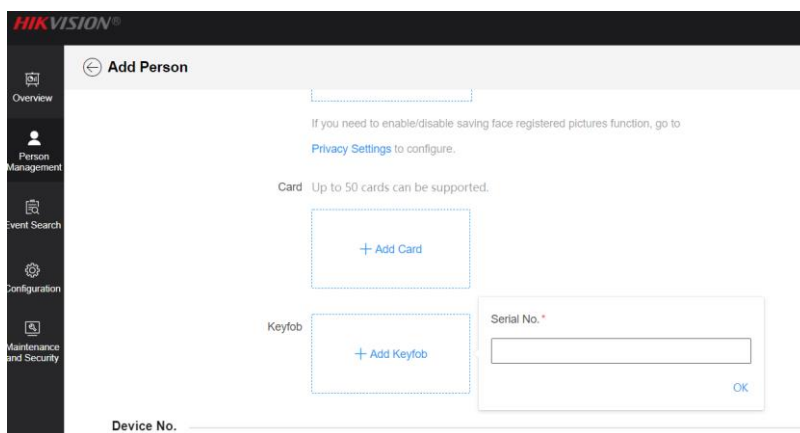
15 support OTAP protocol

DS-K1T673 Series MinMoe Terminal
Release Notes (2023-02-16)

| Device Model:
DS-K1T673TDGX,DS-K1T673TDWX,
DS-K1T673TDX, DS-K1T673TDX-T

Modules (optional):
DS-KAB673-B, DS-KAB673-BQR
DS-KAB673-FB, DS-KAB673-FBQR

Naming Rule:
D for Desfire, Felica and M1 card
W for Wi-Fi, F for fingerprint
G for SIM card,
B for Bluetooth, QR for QR code | Firmware Version | ARM：
ACS_673_F1plus_EN_STD_V3.10.0_build230202
ACS_673_F1plus_EN_NEU_V3.10.0_build230202 |
| | Software Version | HikCentral AC:
https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-0-1/
iVMS:
https://www.hikvision.com/en/support/download/software/ivms4200-series/ |

Reason of Upgrade

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

Notice

1. Version downgrade. After upgrade to this version, it cannot downgrade. If need to

downgrade, please contact technical support.

2. After upgrade to this version, if device does not store face picture, you needs to apply face picture again.

New Features

16 Support control initial authentication type function. All selected type of authentication mode can be used for first-time authentication in combined authentication mode.
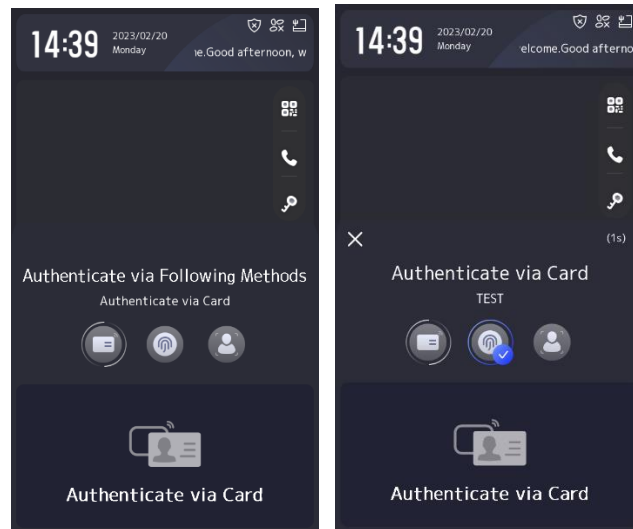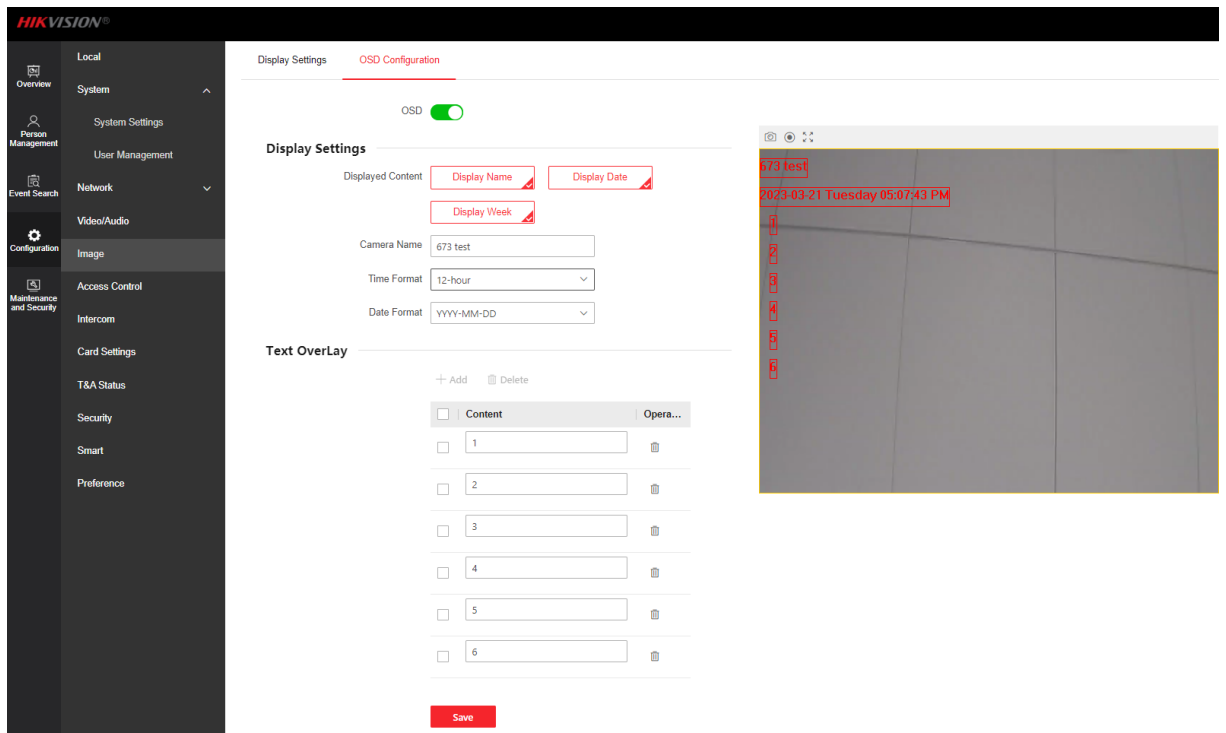

17 Support change sub card reader position. Sub card reader can be used in combined authentication mode if set as the same side as main card reader
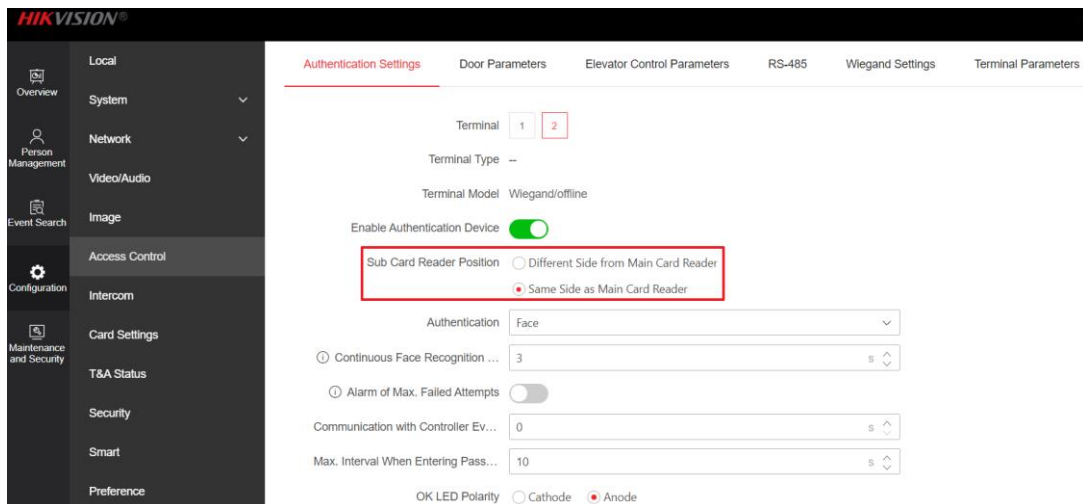
18 Video
   a. Support H.265 encoding mode
   b. Support OSD function. Max.8 texts overlay can be displayed: time, camera name and Max.6 more customized texts.

c. Support video in advertisement mode. Up to 3 videos are supported, single size should be less than 600MB, video format should be MP4.(MP4 Format Conversion Tool provided on web page)

d. Video or picture be displayed with full screen on device

e. Support Hik-Connect stream encryption with AES128

19 Audio

a. Support multi-source audio play. For example, it can play audio of advertisement and authentication prompt at the same time. Other scenario includes advertisement & intercom.

b. Support intercom function when connected with ISAPI, ISUP protocol

20 Support network connection priority setting(Wired network, WLAN) when connecting with ISUP and Hik-Connect
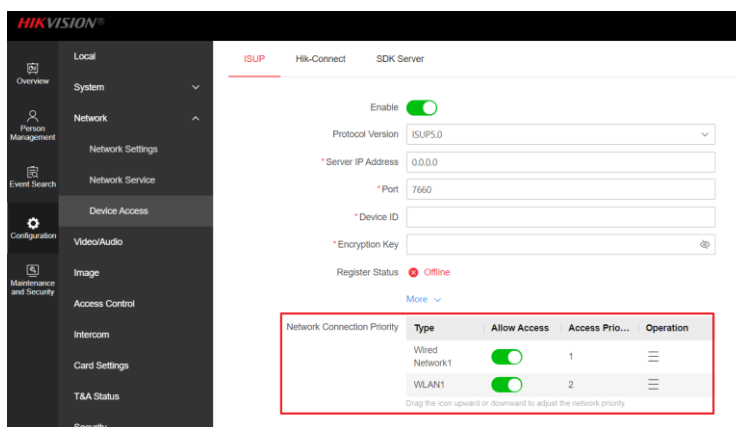
21 Support capture network packet function

22 Support customize authentication result text.
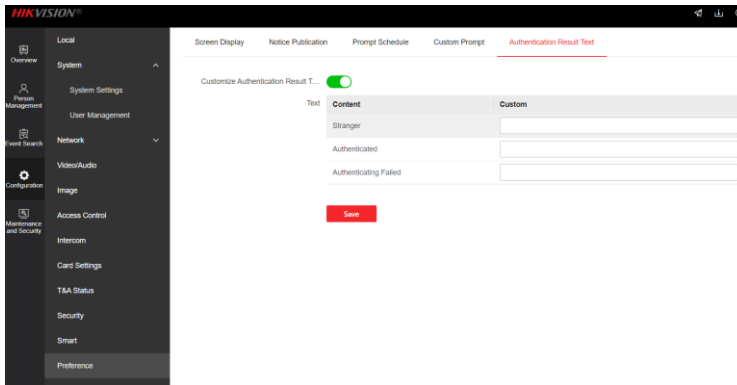
23 Support QR code scanner Q340, which is usually used in turnstile QR code module


Modified Features

1. Face recognition algorithm upgrade, it requires device saves registered picture before upgrading to this version.

   If save registered picture function was disabled or clear registered face picture function was used before upgrade, you need to apply face picture to device with platform (HCAC/HCP/iVMS4200) or register face picture again
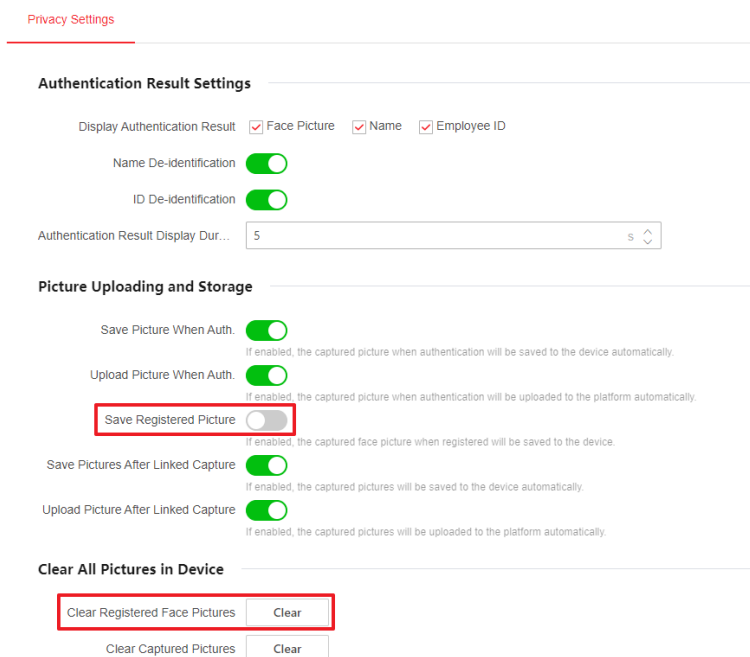
2. Upgrade face anti-spoofing detection algorithm, 4 level supported: disabled, **General, Advanced, Professional**. It supports customizing anti-spoofing detection threshold in advanced settings for advanced and professional level
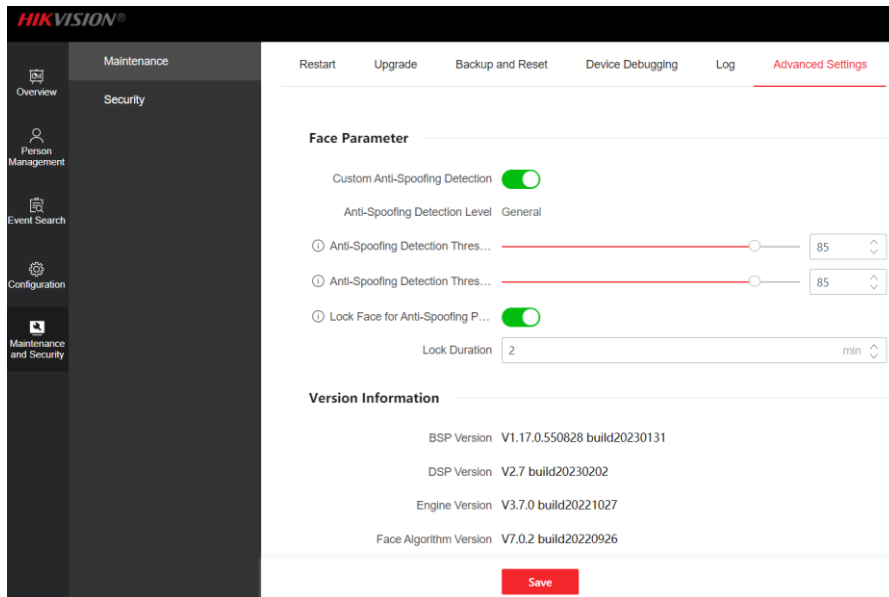
3. Newly designed web interface UI
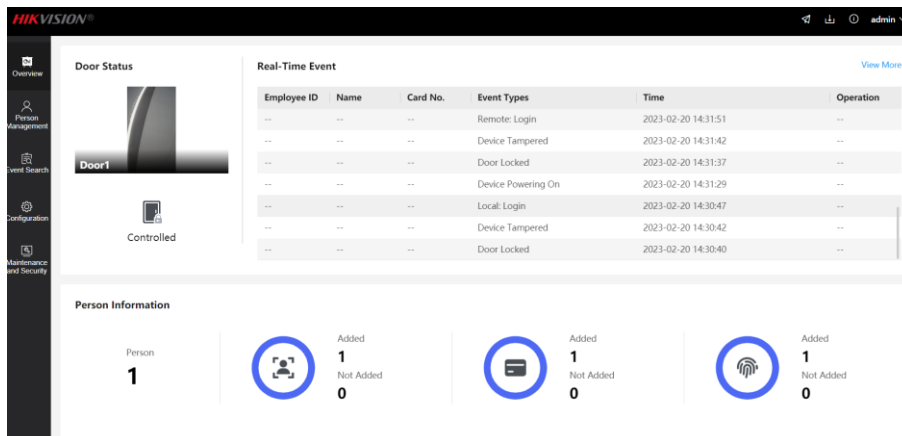
4. Optimize booting time, it takes less time to reboot.

DS-K1T673 Series MinMoe Terminal
Release Notes (2022-09-30)

| Device Model:
DS-K1T673DX, DS-K1T673DWX, DS-K1T673TDX, DS-K1T673TDWX

Modules (optional):
DS-KAB673-B, DS-KAB673-BQR
DS-KAB673-FB, DS-KAB673-FBQR

Naming Rule:
D for Desfire, Felica and M1 card
W for Wi-Fi, F for Fingerprint,
B for Bluetooth, QR for QR code | Firmware Version | ARM:
ACS_673_F1plus_EN_**STD**_V3.3.1_build220906
ACS_673_F1plus_EN_**NEU**_V3.3.1_build220906
Sub module:
ACS_DS-KAB673_ST1_GML_GM_V1.0.2_build20220505 |
| | Software Version | **HikCentral AC:**
https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v1-3-0/
iVMS:
https://www.hikvision.com/en/support/download/software/ivms4200-series/ |

Reason of Upgrade

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

Modified Features

1. Compatible with new hardware.

DS-K1T673 Series MinMoe Terminal

Release Notes (2022-06-10)

Device Model: DS-K1T673DX, DS-K1T673DWX, DS-K1T673TDX, DS-K1T673TDWX Modules (optional): DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for Fingerprint, B for Bluetooth, QR for QR code	Firmware Version	ARM: ACS_673_F1plus_EN_**STD**_V3.3.1_build220610 ACS_673_F1plus_EN_**NEU**_V3.3.1_build220610 **Sub module:** ACS_DS-KAB673_ST1_GML_GM_V1.0.2_build20220505
	SDK	Latest baseline version
	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

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

Modified Features
2. Compatible with new 4G module.(the sim card function is reserved)

DS-K1T673 Series MinMoe Terminal
Release Notes (2022-02-14)

Device Model:		ARM:
DS-K1T673DX, DS-K1T673DWX, DS-K1T673TDX, DS-K1T673TDWX	Firmware Version	ACS_673_F1plus_EN_**STD**_V3.3.1_build220120 ACS_673_F1plus_EN_**NEU**_V3.3.1_build220120 **Sub module:** ACS_DS-KAB673_ST1_GML_GM_V1.0.1_build20211115
Modules (optional): DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR		
Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for Fingerprint, B for Bluetooth, QR for QR code	SDK	Latest baseline version
	iVMS-4200 Version	Latest baseline version

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

Modified Features
3. Optimize Wi-Fi function;
4. Fixed the problem of abnormal URL ID parsing when applying a large number of people to the device
5. Optimized the firmware upgrade mechanism

DS-K1T673 Series MinMoe Terminal
Release Notes (2021-12-03)

Device Model: DS-K1T673DX, DS-K1T673DWX, DS-K1T673TDX, DS-K1T673TDWX Modules (optional): DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for Fingerprint, B for Bluetooth, QR for QR code	Firmware Version	ARM： ACS_673_F1plus_EN_**STD**_V3.3.1_build211123 ACS_673_F1plus_EN_**NEU**_V3.3.1_build211123 **Sub module:** ACS_DS-KAB673_ST1_GML_GM_V1.0.1_build20211115
	SDK	Latest baseline version
	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

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

Modified Features

1. Fixed some ISAPI protocol issue

DS-K1T673 Series MinMoe Terminal

Release Notes (2021-11-15)

Device Model: DS-K1T673DX, DS-K1T673DWX, DS-K1T673TDX, DS-K1T673TDWX Modules (optional): DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for Fingerprint, B for Bluetooth, QR for QR code	Firmware Version	ARM： ACS_673_F1plus_EN_**STD**_V3.3.1_build211101 ACS_673_F1plus_EN_**NEU**_V3.3.1_build211101 **Sub module:** ACS_DS-KAB673_ST1_GML_GM_V1.0.0_build20210812
	SDK	Latest baseline version
	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

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

Modified Features

6. Fix the defect that the face/card/password cannot be configured when the USB module is not plugged in
7. Increase the volume of device voice prompts
8. Optimize the face recognition effect.
9. Optimize protocol defects with platform

DS-K1T673 Series MinMoe Terminal
Release Notes (2021-09-27)

Device Model: DS-K1T673DX, DS-K1T673DWX, DS-K1T673TDX, DS-K1T673TDWX Modules (optional): DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for Fingerprint, B for Bluetooth, QR for QR code	Firmware Version	ARM: ACS_673_F1plus_EN_**STD**_V3.3.1_build210825 ACS_673_F1plus_EN_**NEU**_V3.3.1_build210825 **Sub module:** ACS_DS-KAB673_ST1_GML_GM_V1.0.0_build20210812
	SDK	Latest baseline version
	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

New model DS-K1T673 series MinMoe terminal and USB modules are released for the first time.

New Features

1. 7-inch LCD touch screen, 2 MP wide-angle dual-lens camera with WDR feature;
2. Connect external card reader or access controller via RS485 protocol; support Wiegand26/34 output
3. Face recognition duration ＜ 0.2 s/User; face recognition accuracy rate ≥ 99%
4. **Face, card, fingerprint, event capacity**

	Face	Card	Fingerprint	Event	Wi-Fi
DS-K1T673DX	10,000	50,000	10,000 (optional)		\
DS-K1T673DWX			With module DS-KAB673-FB or DS-KAB673-FBQR		Support
DS-K1T673TDX	100,000	500,000		150,000	\
DS-K1T673TDWX					Support

5. ISAPI protocol makes it easier for integration with third-party software;
6. Remote video intercom and unlock door from Hik-Connect App on your mobile/Pad
7. Support Hik-ProConnect platform to realize Cloud access control and time attendance management
8. Support ISUP 5.0 protocol to manage devices located in different locations;
9. When open device for the first time, wizard for activation and basic configuration. Including select language, application mode, select and configure network, Hik-Connect, privacy settings, add administrator face and card.
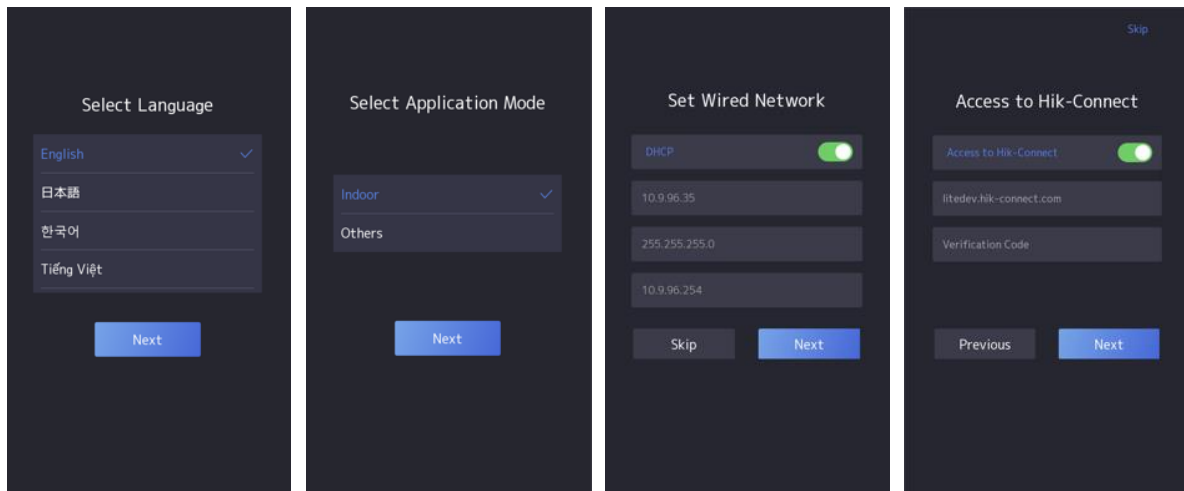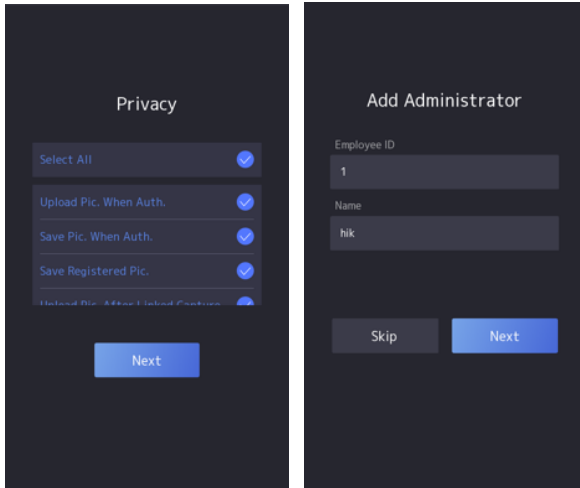
10. USB modules support hot pluging, optional QR (model with -QR), fingerprint(model with -F), and Bluetooth(model with -B) function.

    Note:

    a. *Bluetooth function will be available in future firmware to work together with mobile APP.*

    b. *Supported QR Code format: QR Code, Micro QR, Code128, Code39, Codabar*

    c. *How to authenticate QR code:*

    1) When The QR code icon is displayed on the standby interface: click on the icon, and then show the QR code in the front of module;

    2) When hiding the QR code icon on the standby interface: show the QR code icon directly.
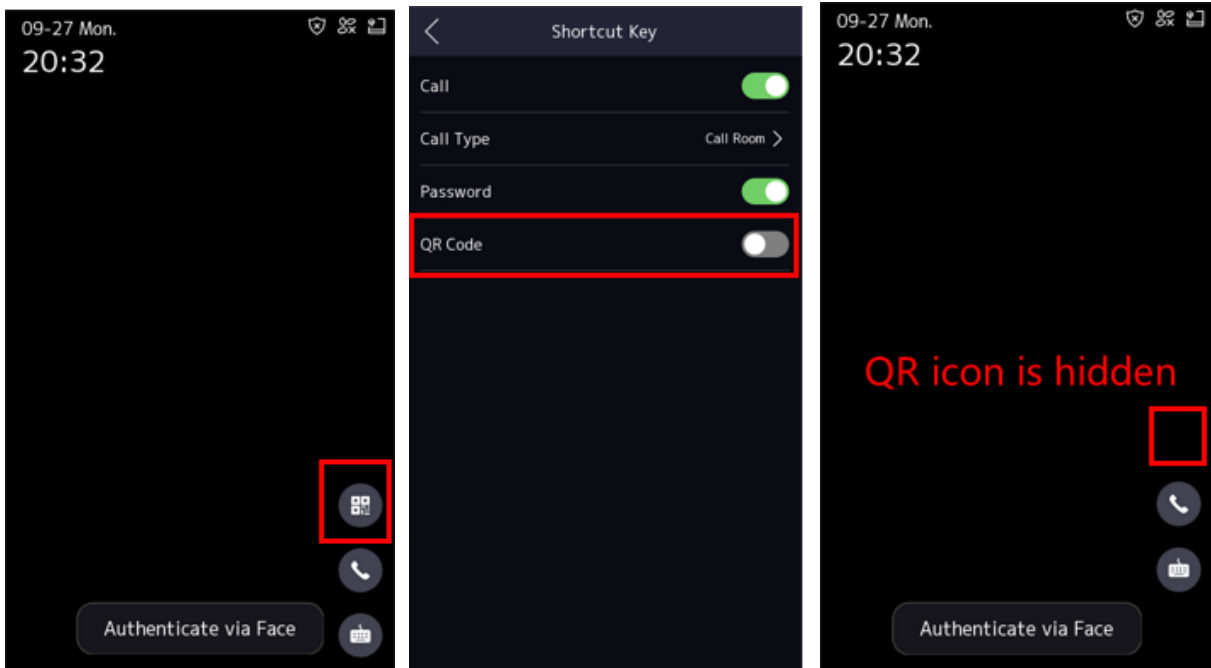
11. Support breathing light, it can be used to indicate the device position in the night

    a. *In the standby status, the breathing light will cycle from dark to bright, and then to dark.*

    b. *When there is an authentication event, the breathing light will stay on for a while, and then the breathing indication state will be restored*

12. Support 3.5mm standard audio output interface in the back of device.
    Speakers can be connected externally, and the output sound can be played by the speakers. Supports hot plugging, which can be plugged in or unplugged at any time before and after the device is powered on. After the speaker is plugged in, the sound will be played by the speaker, and the sound will be played by the device's own amplifier when it is unplugged.

    Special circumstances: When intercom function is enabled, whether or not a speaker is plugged in, the voice will be played locally by the device. (Prevent the echo interference)

13. Self-defined shortcut key (Call Room, Call Center, Call Specified Room, Call App and Password) on main interface;
14. Configure ISUP and Hik-Connect parameter in device local menu
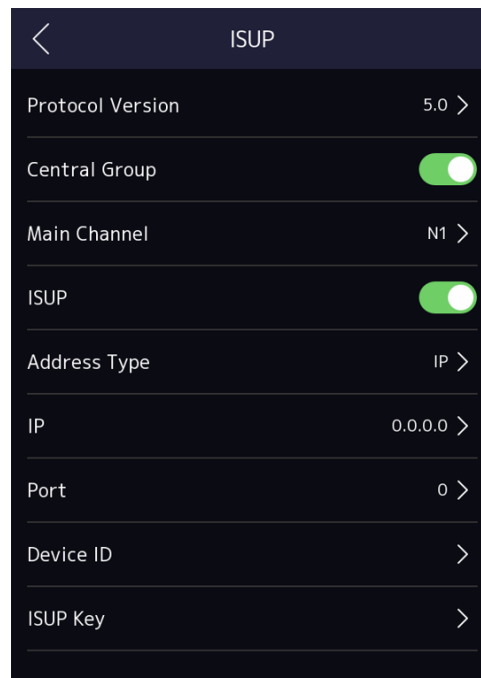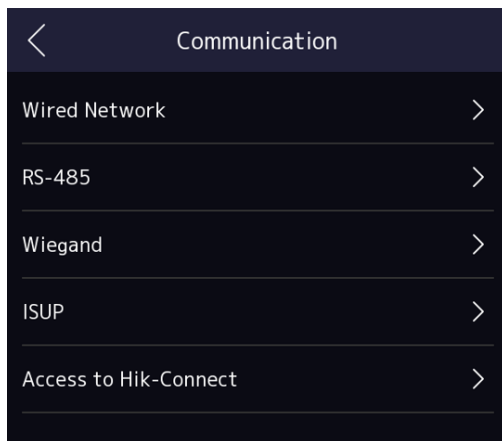
15. Login and configure device in web client via browser;
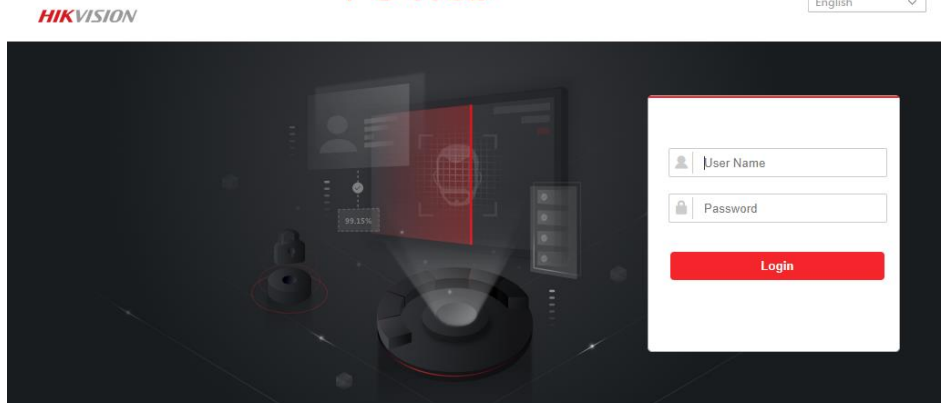
16. Support multiple face authentication(maximum 5 person can be recognized at the same time)
    Note: *after enable the function, card reader authentication mode, custom authentication and attendance status function cannot be used.*
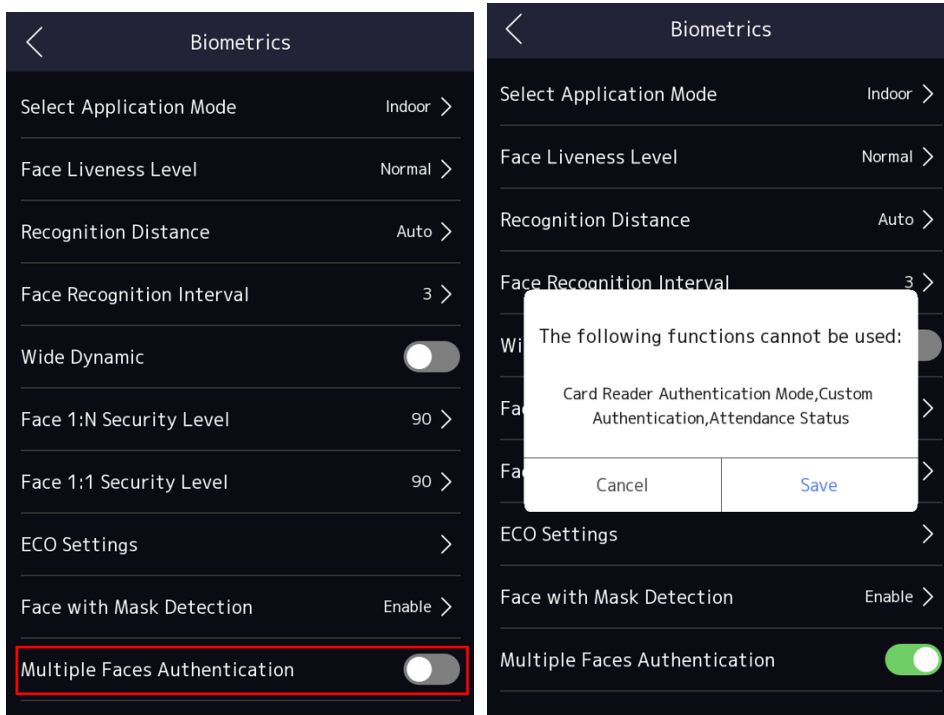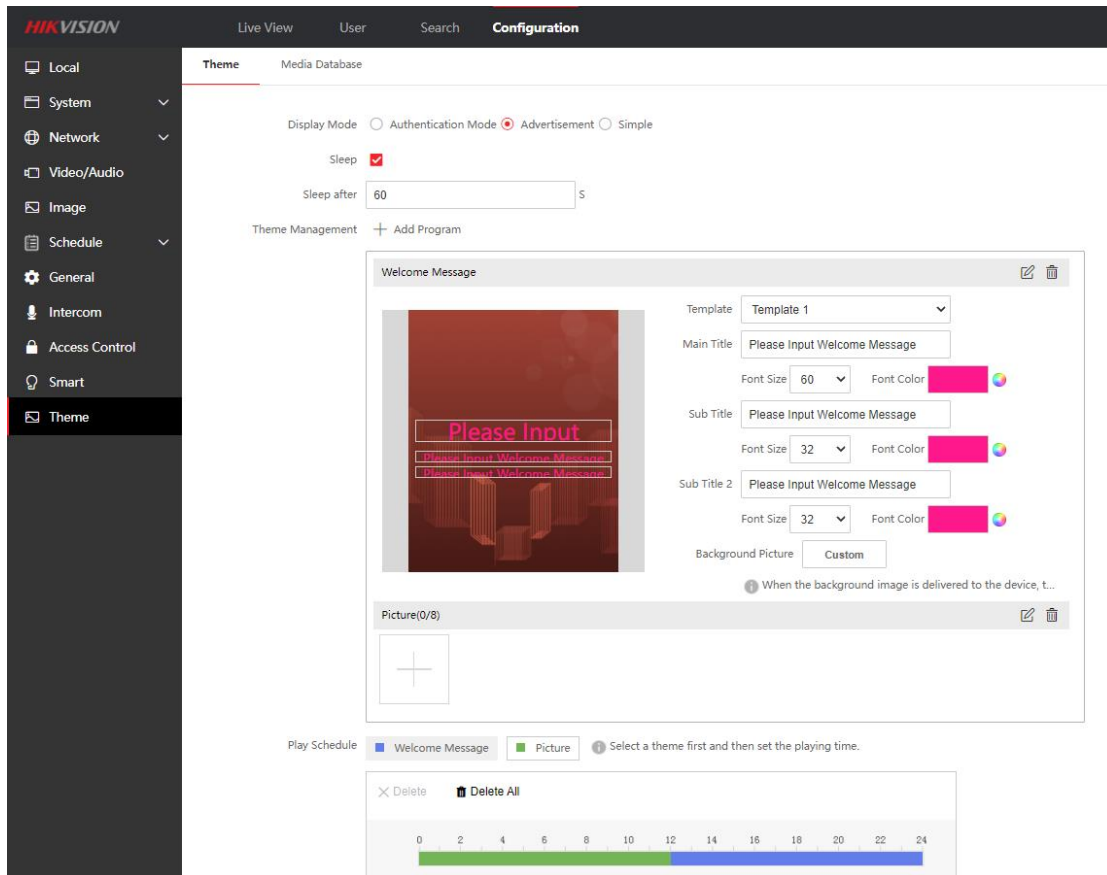

17. Support call elevator function.

18. Self-defined voice prompt (TTS function, English only) and screen display info (user ID, name and face picture) for authentication.

19. Self-defined welcome message and picture and displayed by schedule.

20. Support simple mode, advertisement mode when authenticating.
    Default mode: Full screen live view when authenticating face
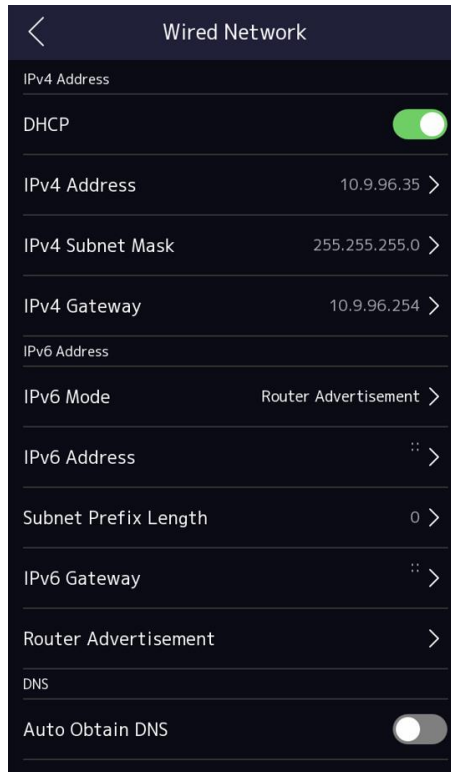   **Simple mode**: Display wallpaper on the top and no live view when authenticate face
    Advertisement mode: The screen will display the wallpaper on the top area, and a small round circle area for live view in the bottom.
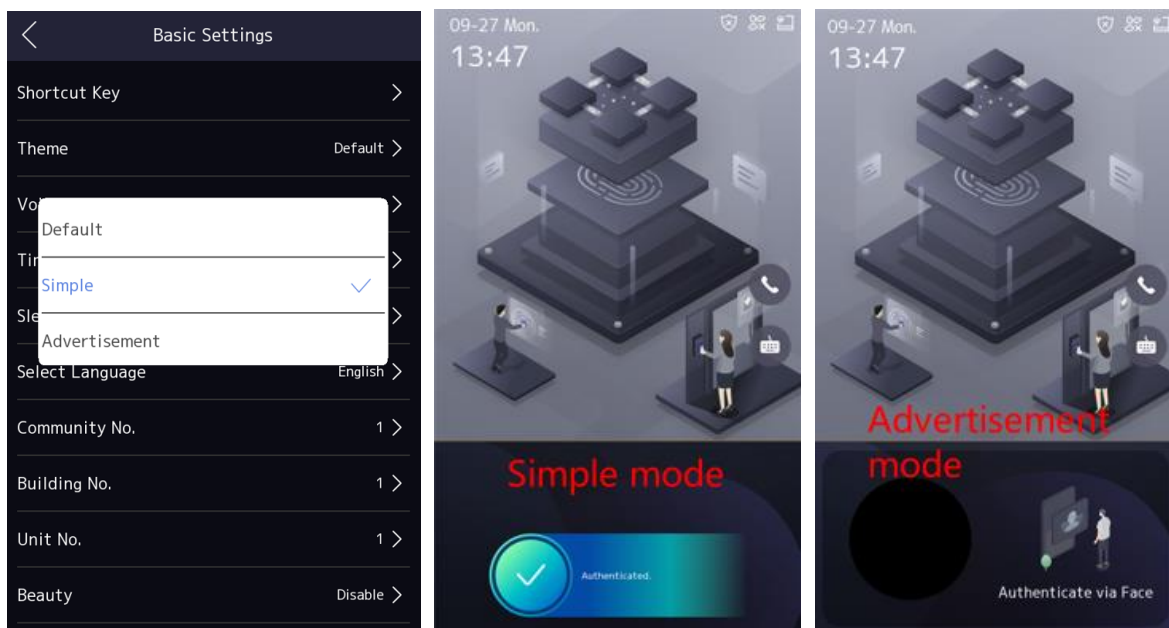
21. Network

Support TCP/IP(IPv4&IPv6), Wi-Fi (Model with -W), adapt to LAN(network) or WAN(ISUP 5.0) network environment


Note for IPv6:

Function	Ipv4	Ipv6
HTTP/HTTPS (80/443 port)	Support	Support
SDK (8000/8443 port)	Support	Not Support
ISUP	Support	Not Support
Hik-Connect	Support	Not Support
Picture server	Support	Only support local server work as picture server，Not Support storage、KMS
Live view（RTSP）	Support	Support
NTP	Support	Support
DHCP(V6)	Support	Support
WIFI	Support	Support
DNS	Support	Support

22. Function

a. Support face mask recognition.

b. Video intercom with indoor station, master station and platform;

c. Multiple verification modes: Face, card, fingerprint(-F only), PIN code;

d. Face recognition distance ranges from 0.3 to 3 meters;

e. Support check in/check out/break out/break in/overtime in/overtime out attendance status, and self-define status name;
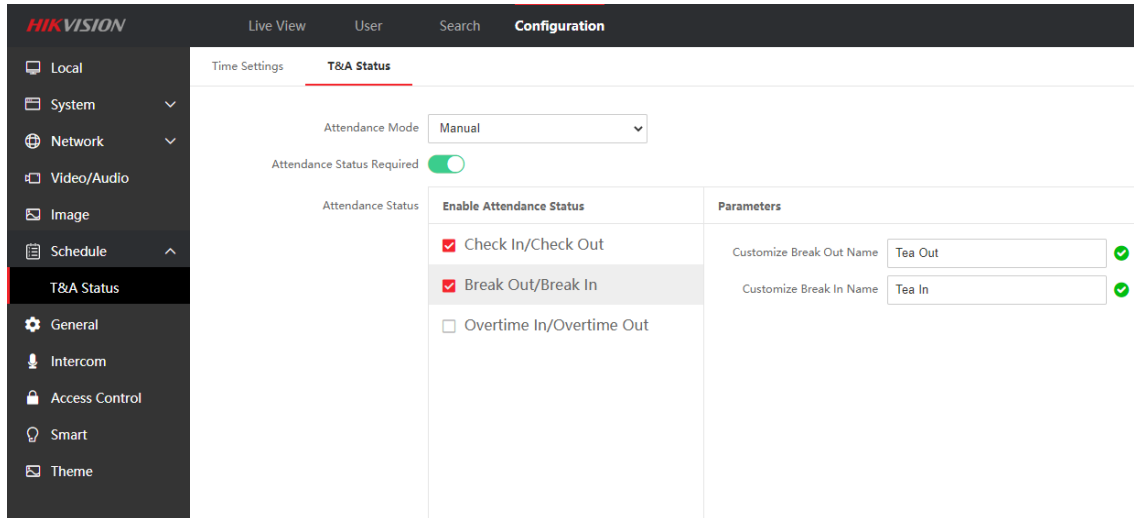
f. Support privacy protection, customer can define the privacy related parameter, such as Event Storage Settings, Picture Uploading and Storage, Clear All Pictures in Device

HIKVISION
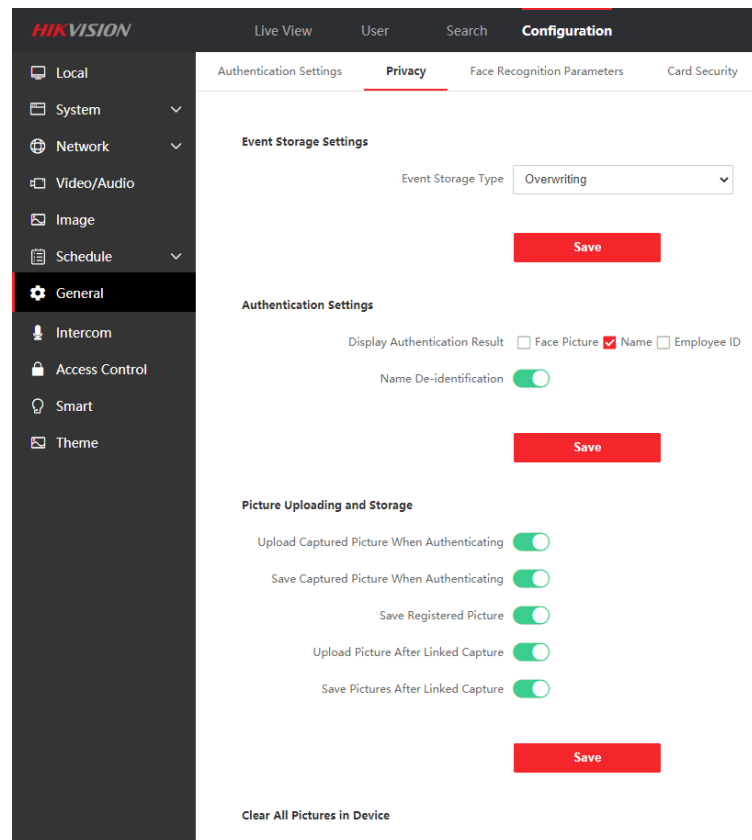
Customer Impact and Recommended Action

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.