

DS-K1T343 Series MinMoe Terminal

Release Notes (2025-11-03)

Device Model: DS-K1T343EX DS-K1T343EWX DS-K1T343EFX DS-K1T343EFWX DS-K1T343MX DS-K1T343MWX DS-K1T343MFX DS-K1T343MFWX	Firmware Version	ACS_343_F1pro_EN_NEU_V4.39.80_build250827 ACS_343_F1pro_EN_STD_V4.39.80_build250827
Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-4-0/

Optimization:

1. Optimize ISUP related function and stability
2. Optimize EZVIZ related function
3. Optimize SIP/VOIP calling.
4. Optimize DSP module to support to assign face pictures that are larger than 200KB
5. Optimize microphone module
6. Fix DST (daylight saving time) issue
7. Fix TTS related issues

DS-K1T343 Series MinMoe Terminal

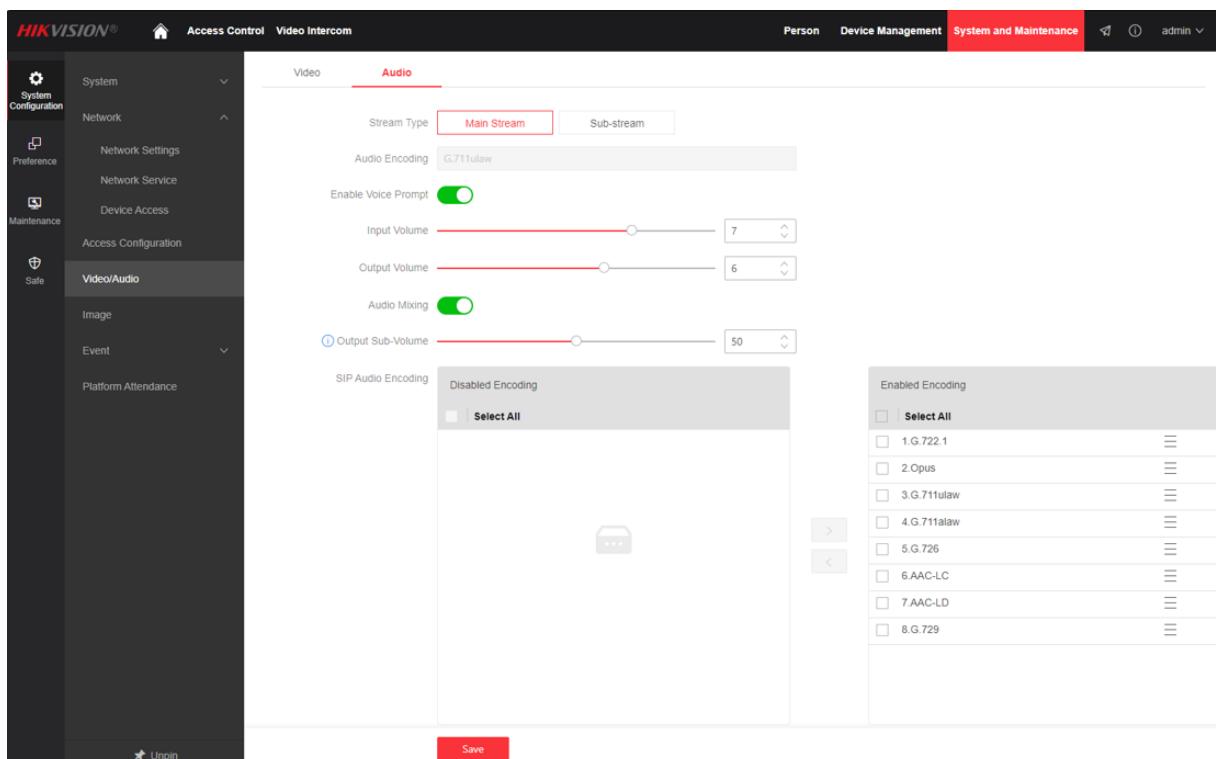
Release Notes (2025-01-09)

Device Model: DS-K1T343EX, DS-K1T343EWX DS-K1T343EFX, DS-K1T343EFWX DS-K1T343MX, DS-K1T343MWX DS-K1T343MFX, DS-K1T343MFWX	Firmware Version	ACS_343_F1pro_EN_NEU_V4.38.0_build250109 ACS_343_F1pro_EN_STD_V4.38.0_build250109
Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-3-1/

New Features

- **Video intercom**

1. Supports preview before answering for VoIP
2. In the remote door opening event of a SIP call, the room number can be uploaded
3. Support the door station being called
4. Optimized intercom audio encoding capabilities, improving audio sampling rate



5. Modify the maximum call duration for intercom from 180 to 300

6. Support configuration of up to 3 VoIP servers

SIP Server List:

ASTERISK, 3CX, ELASTIX, miniSipServer, Brekeke, OpenSIPs, Kamailio

7. Support configuration of SIP call mode

Call Priority

Call Priority	Call Type	Ring Duration
Priority1	<input checked="" type="checkbox"/> Platform <input checked="" type="checkbox"/> Indoor Station <input type="checkbox"/> Telephone Gateway	60 s <input style="width: 10px; height: 10px; border: 1px solid black;" type="button" value="^"/> <input style="width: 10px; height: 10px; border: 1px solid black;" type="button" value="v"/>
Priority2	<input type="checkbox"/> Platform <input type="checkbox"/> Indoor Station <input checked="" type="checkbox"/> Telephone Gateway	60 s <input style="width: 10px; height: 10px; border: 1px solid black;" type="button" value="^"/> <input style="width: 10px; height: 10px; border: 1px solid black;" type="button" value="v"/>
Priority3	<input type="checkbox"/> Platform <input type="checkbox"/> Indoor Station <input type="checkbox"/> Telephone Gateway	60 s <input style="width: 10px; height: 10px; border: 1px solid black;" type="button" value="^"/> <input style="width: 10px; height: 10px; border: 1px solid black;" type="button" value="v"/>

The higher the level, the earlier the device to be called. After the call time is over, the next level of call is triggered.

8. Support returning to the home page during a call on the screen

9. Support returning to the call interface after a call timeout

10. Support automatic dialing from the dialing interface

11. Support one-click call to the VoIP center

Remark: Added VoIP center as call center. When you push calling center button, the VoIP center will be called.

No.	Button Settings
Call	<input type="radio"/> Call Specified Room <input type="text" value="Enter Room No."/> <input type="radio"/> Call Center <input type="radio"/> Call Room <input type="radio"/> Call APP
Call Center	<input checked="" type="radio"/> Call Management Center <input type="radio"/> Call VoIP Center <input style="border: 1px solid black; padding: 2px 5px;" type="button" value="?"/>

12. Support linkage calls for authentication failure

Remark: if authentication failed attempts reached the set number, it will automatically call button settings's calling target.

13. The main screen supports one-click call to the VoIP center
14. Support Hik-Connect Team Cloud Intercom
15. Support intercom mode configuration

Remark: The main screen can be configured with call modes, and the function buttons can be customized.

● Access control

1. Support multi-door interlock between devices

Remark: Users can configure the doors of different devices as interlock groups, and if one of the doors in the interlock group is open, the other doors cannot be opened.

HIKVISION® Access Control Video Intercom Person

Cross-Device Anti-Passback ? Cross-Device Multi-Door Int... ?

Event Search Access Control Application Access Control Parameters

Enable Switch

Device Type Set as Main Device Set as Sub Device

* Port No. ^ ^

Interlocking Combination + Add Delete Sub Device(s) Management

	No. ▲	Name	Door	Operation
	1		Door	

No data.

Save

HIKVISION® Access Control Video Intercom

Cross-Device Anti-Passback ? Cross-Device Multi-Door Int... ?

Event Search Access Control Application Parameter Settings

Enable Disable Set as Main Device Set as Sub Device

* Main Device IP Address

* Main Device Port No. ^ ^

主设备密码 ?

Register Code ?

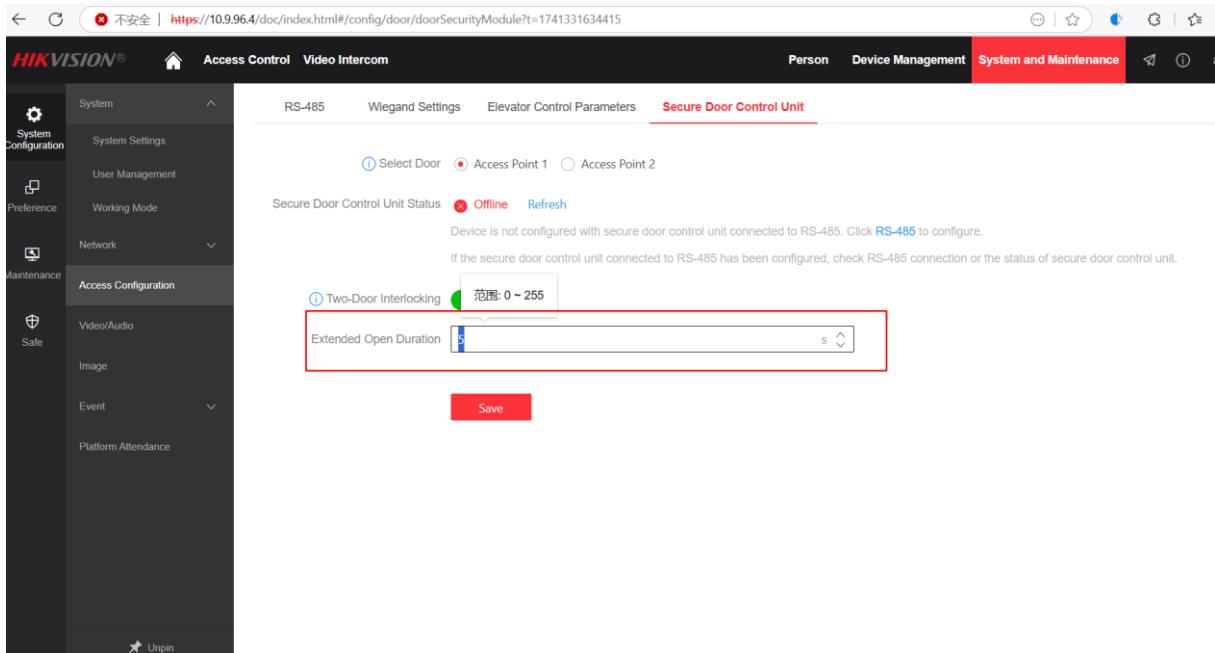
Registration Status Online Refresh

Door Select All Door1 Door2

Save

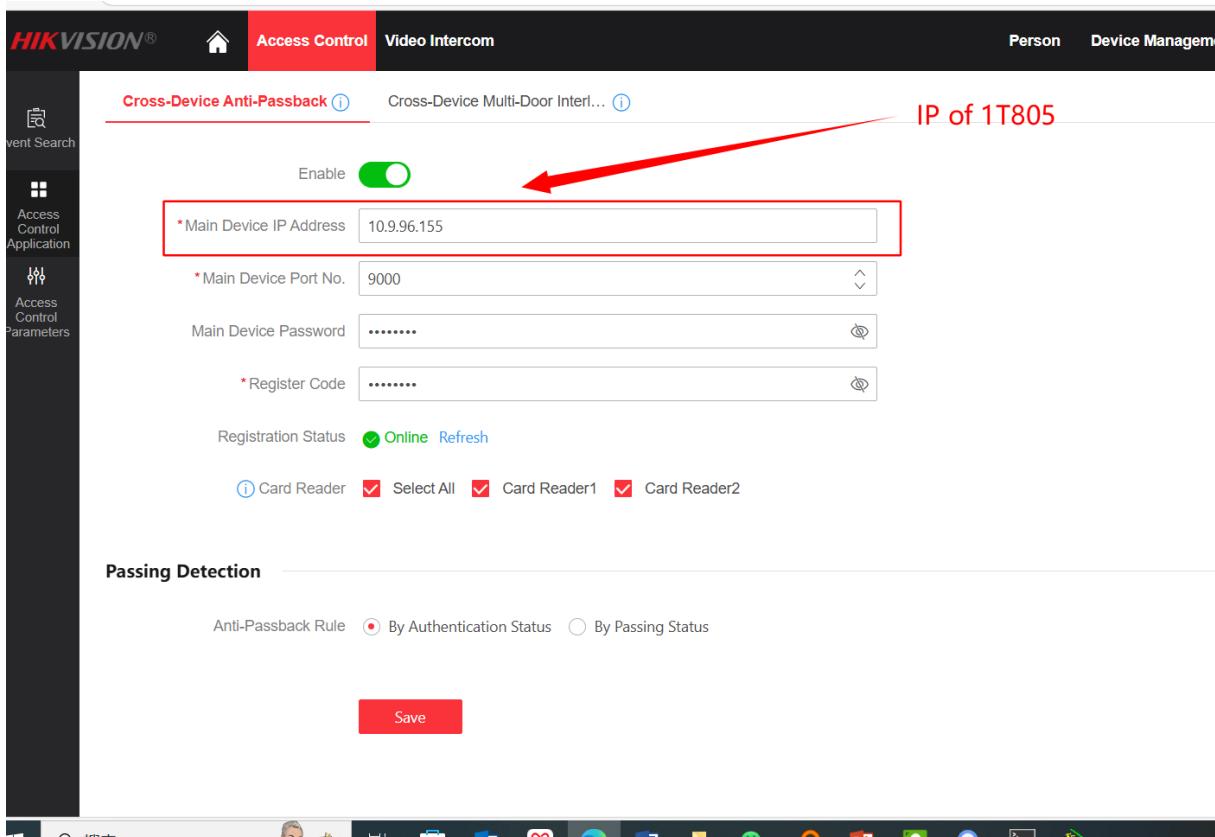
- Support multi-door interlock delay for door opening in the device

Remark: form 0 to 255 seconds.



3. Support cross-device anti-passback as a slave device configuration

Remark: It is paired with a customized version firmware of DS-K1T805FW(V1.8.1 build) who is used as anti-passback server.



Area Antiback: The entry and exit of people in the area must be matched, otherwise it will not be passable.

No.	Name	Clear the antiback setting	Operation
1	111	00:00:00	

Access card reader Outdoor card reader

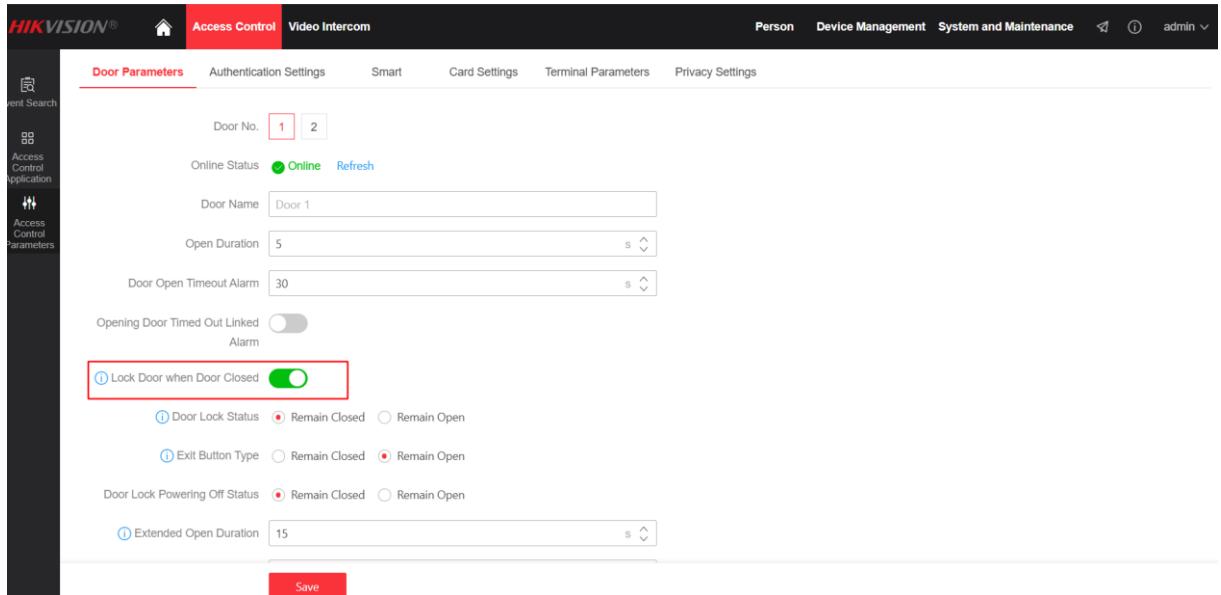
Card Reader ID: 1 Name of minmou device belonging to: 10.9.96.4

Route Antiback: Personnel must be certified in turn according to the set route, and the passage is only one way.

No.	Line Name	Card Reader	First Card Reader	Operation
1	111	10.9.96.4-1,10.9.96.4-2	10.9.96.4-1	

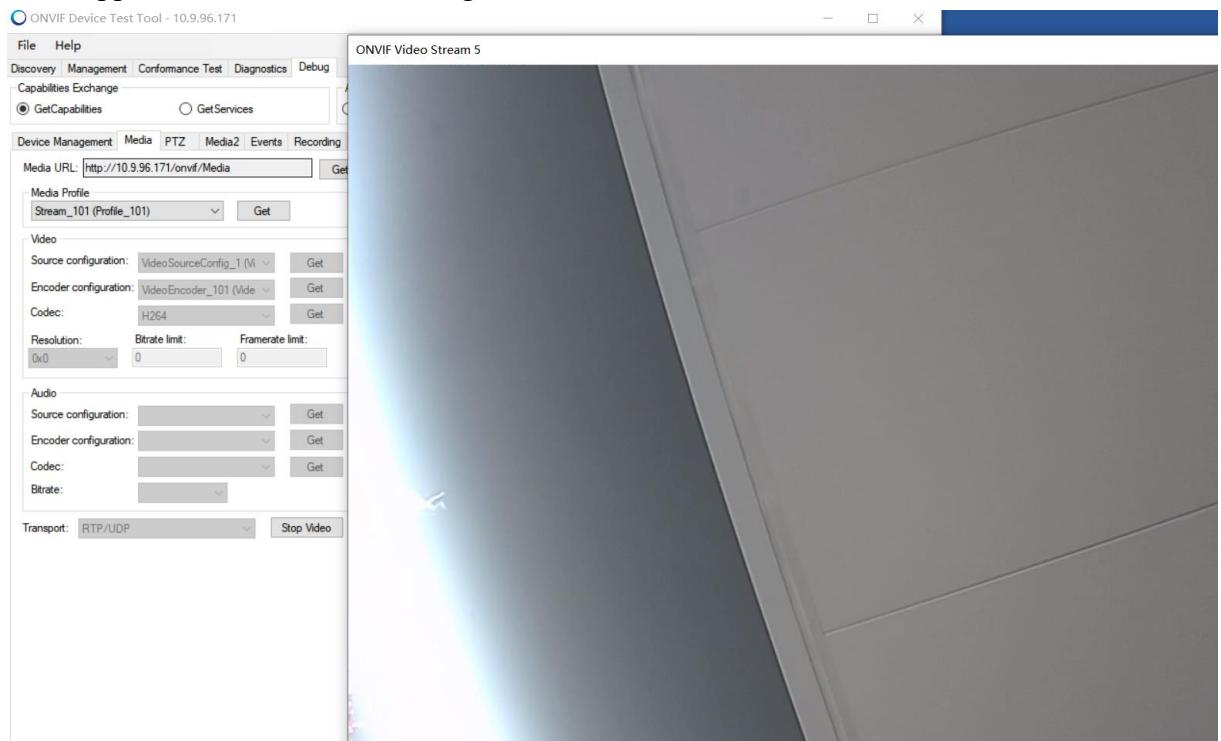
Total: 1 20 /Page Page: 1 Go

4. Support locking door when door close



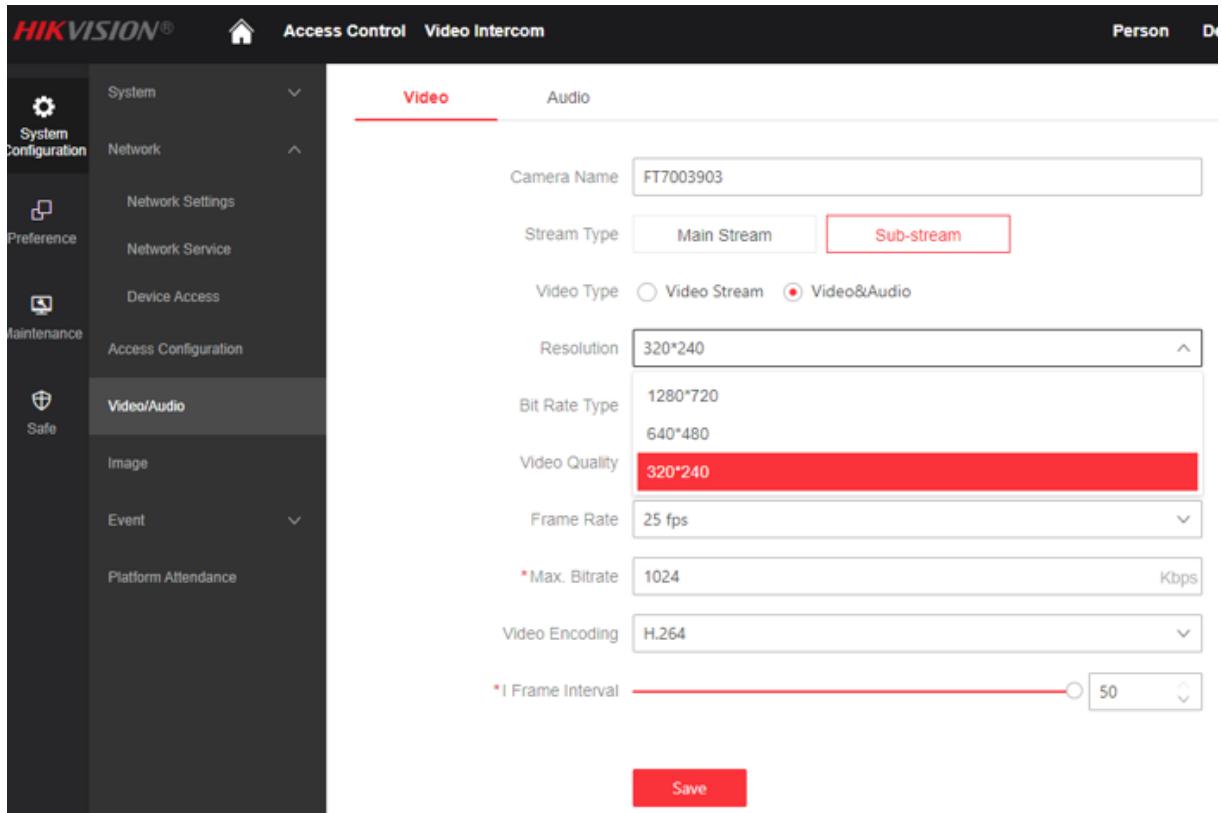
● Others

1. Multi-language added: Chinese traditional, French, Turkish
2. Support ONVIF stream fetching



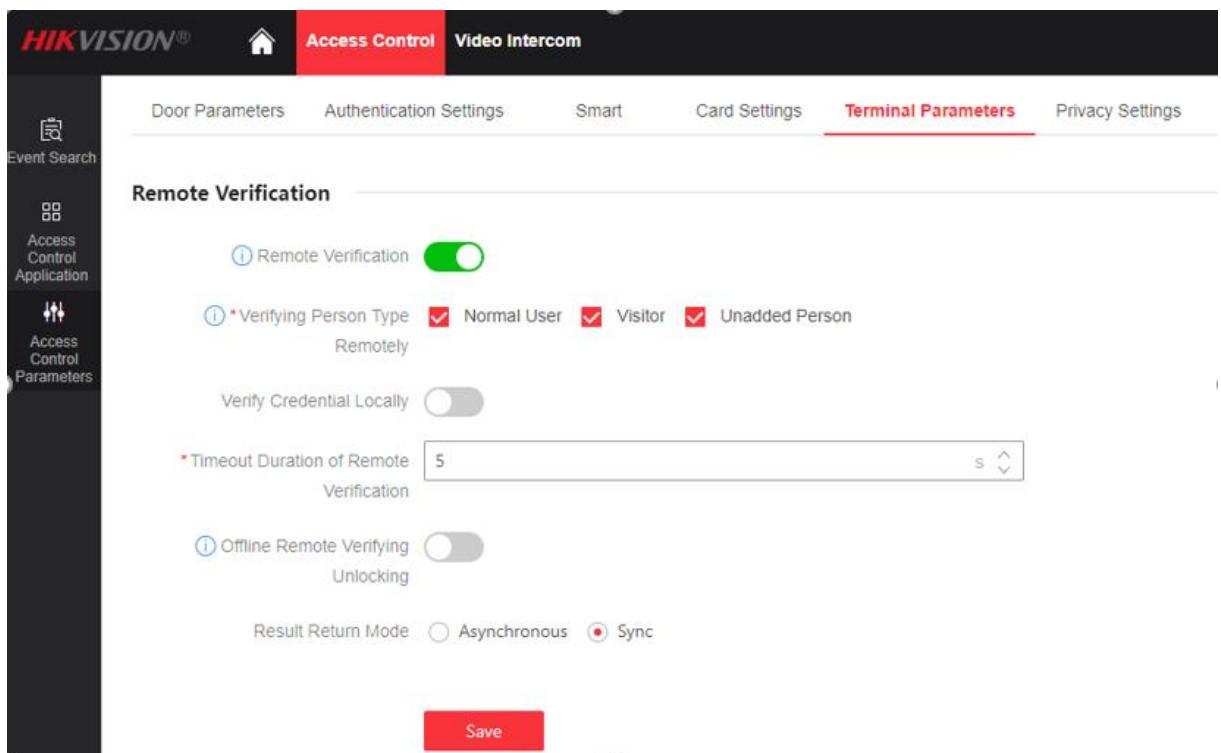
3. Support sub-stream 320x240

Remark: sub-stream is an independent stream that is separated from the main stream during the video encoding process and used for a specific purpose or device.



4. Support remote verification based on different person type

Remark: You can choose different person type to join the remote verification. The 343 support platform anti-pass back with HikCentral platform by using this configuration.



5. Support report device online status by SNMP

6. Support operator user type in personnel information: Administrator, Operator, Basic Person

Remark: Administrator can edit all configurations of the device. Operator just can edit person. Basic Person can't edit any configuration of the device.

7. Support alarm prompt for door opening timeout
8. Support for connecting to one OSDP card reader

9. Support uploading door magnetic events to Hik-Connect
10. Support enabling and disabling custom prompt sounds

Access Control Video Intercom

Person Device Management System and Maintenance

Screen Display Custom Home Page Notice Publication Prompt Schedule **Custom Prompt** Authentication Result Text

Custom Type	Importing Status	Operation	Enable
Call Center	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>
The Line Is Busy	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>
Nobody Answered	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>
Please call.	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>
Thanks	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>
Authenticating Failed	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>
The Door Is Open	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>
Time Out. Door not closed.	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>
Please Wear the Safety Helmet	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>
Please Wear the Mask	Not Imported	<input type="button" value="Import"/>	<input checked="" type="checkbox"/>

11. Support configuration of device time display format

Access Control Video Intercom

Person Device Management System and Maintenance admin

System Configuration Preference Maintenance Safe

System System Settings User Management Working Mode Network Access Configuration Video/Audio Image Event Platform Attendance

Basic Information **Time Settings**

Device Time 2025-02-28 15:58:36

Time Zone (GMT+08:00) Beijing, Urumqi, Singapore, Perth

Time Synchronization mode NTP Manual

*Server IP Address 10.26.78.119

*NTP Port 123

*Interval 2 min

Time Format: **MM-dd-yyyy hh:mm:ss**

DST

- MM/dd/yyyy hh:mm
- dd-MM-yyyy hh:mm
- MM-dd-yyyy hh:mm
- yyyy-MM-dd hh:mm
- MM/dd/yyyy hh:mm:ss
- dd-MM-yyyy hh:mm:ss
- MM-dd-yyyy hh:mm:ss**
- yyyy-MM-dd hh:mm:ss

12. Support automatic screenshot when calling the Hik-Connect app

The screenshot shows the Hikvision Access Control application interface. The top navigation bar includes 'HIKVISION®', a home icon, 'Access Control' (which is the active tab), and 'Video Intercom'. The left sidebar has icons for 'Event Search', 'Access Control Application', and 'Access Control Parameters'. The main content area is titled 'Privacy Settings' and contains the following sections:

- Picture Uploading and Storage**
 - Save Picture When Auth. (switch on): If enabled, the captured picture when authentication will be saved to the device automatically.
 - Upload Picture When Auth. (switch on): If enabled, the captured picture when authentication will be uploaded to the platform automatically.
 - Captured Picture Mode: Radio buttons for 'Default' (selected) and 'Face Picture Matting'.
 - Max. Picture Size: Dropdown menu set to 'Unlimited'.
 - Picture Resolution: Dropdown menu set to 'Auto'.
 - Save Registered Picture (switch on): If enabled, the captured face picture when registered will be saved to the device.
 - Save Pictures After Linked Capture (switch on): If enabled, the captured pictures will be saved to the device automatically.
 - Upload Picture After Linked Capture (switch on): If enabled, the captured pictures will be uploaded to the platform automatically.
 - Upload Captured Picture During Call** (switch on): If enabled, pictures will be captured automatically during calls and will be uploaded automatically. This option is highlighted with a red box.
- Clear All Pictures in Device**
 - Clear Registered Face Pictures: 'Clear' button.
 - Clear Captured Pictures: 'Clear' button.
- PIN Mode**
 - PIN Mode: Radio buttons for 'Platform-Applied Personal PIN' (selected) and 'Device-Set Personal PIN'.
 - Save button (red).

13. Modify the detection period of the alarm input
14. Support personnel attendance only without opening the door after verification

Remark: If enable this button in person configuration. The lock will not be open after authentication ,only Attendance records take effect.

The screenshot shows the Hikvision Access Control software interface. At the top, there is a navigation bar with the Hikvision logo, a home icon, 'Access Control', 'Video Intercom', and a 'Person' button. Below the navigation bar, the page title is 'Basic Information'. The form fields include:

- Employee ID: 1
- Name: chandler
- Gender: Male (radio button)
- Person Type: Normal User (radio button)
- Person Role: Administrator (radio button)
- Long-Term Effective User: On (switch)
- Validity Period: 01-18-2025 00:00:00 - 01-17-2035 23:59:59
- Attendance Check Only: On (switch)

Below the form, a note states: "After enabling, this person won't be given access control permission."

DS-K1T343 Series MinMoe Terminal

Release Notes (2023-08-09)

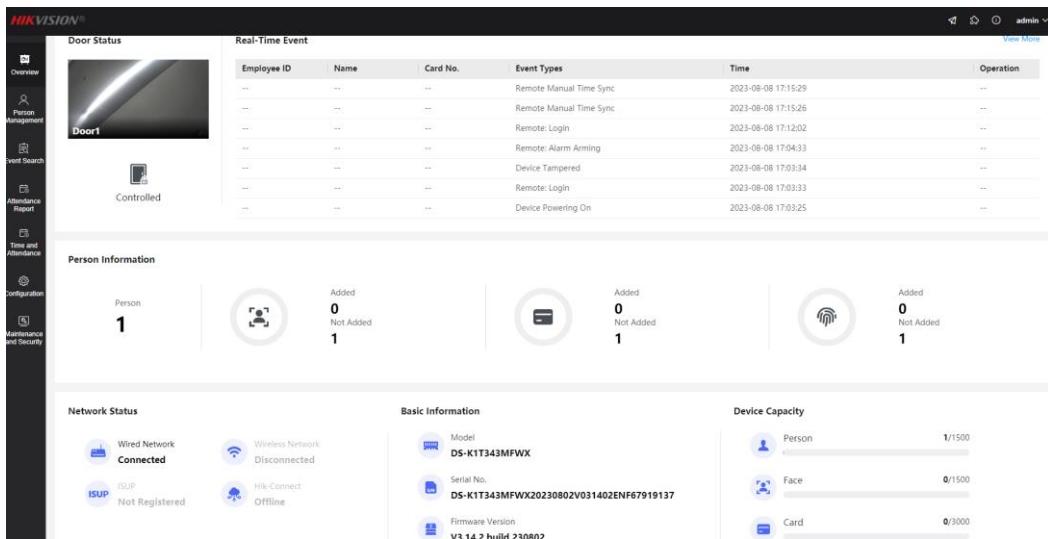
Device Model: DS-K1T343EX, DS-K1T343EWX DS-K1T343EFX, DS-K1T343EFWX DS-K1T343MX, DS-K1T343MWX DS-K1T343MFX, DS-K1T343MFWX	Firmware Version ACS_343_F1pro_EN_NEU_V3.14.2_build230802 ACS_343_F1pro_EN_STD_V3.14.2_build230802
Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	Software HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcentral-access-control-v2-0-1/

Reason of Upgrade

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

Modified Features

1. User friendly UI design



The screenshot shows the HIKVISION web interface with the following sections:

- Door Status:** Shows "Door1" is "Controlled".
- Real-Time Event:** A table listing events:

Employee ID	Name	Card No.	Event Types	Time	Operation
...	Remote: Manual Time Sync	2023-08-08 17:15:29	...
...	Remote: Manual Time Sync	2023-08-08 17:15:26	...
...	Remote: Login	2023-08-08 17:12:02	...
...	Remote: Alarm Arming	2023-08-08 17:04:33	...
...	Device Tampered	2023-08-08 17:03:34	...
...	Remote: Login	2023-08-08 17:03:33	...
...	Device Powering On	2023-08-08 17:03:25	...
- Person Information:** Statistics for Person, Card, and Fingerprint:

Person	1
Added	0
Not Added	1

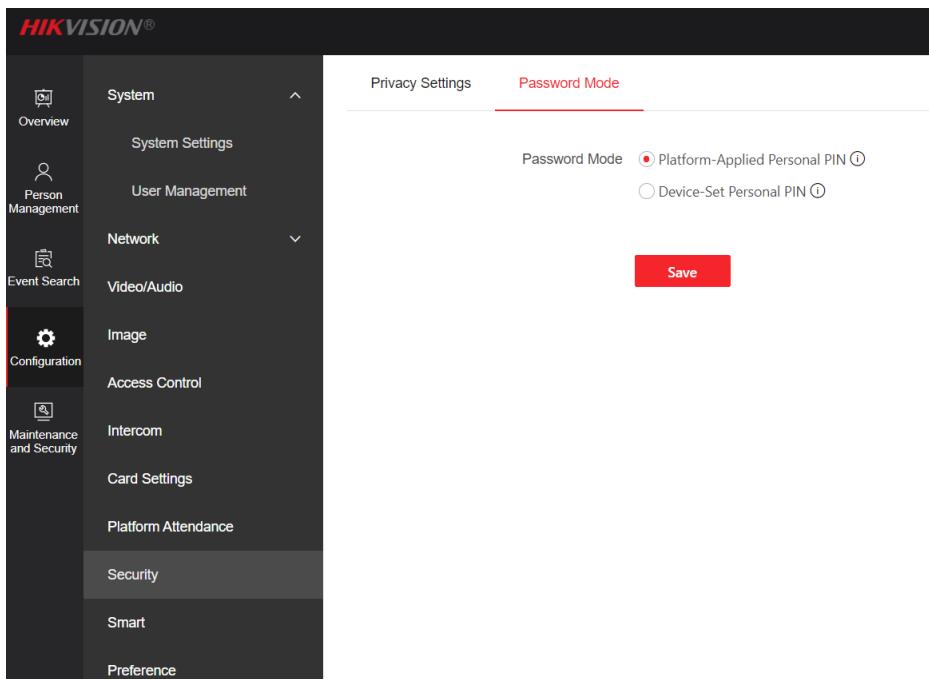
Card	1
Added	0
Not Added	1

Fingerprint	1
Added	0
Not Added	1
- Network Status:** Shows Wired Network (Connected), Wireless Network (Disconnected), ISUP (Not Registered), and Hik-Connect (Offline).
- Basic Information:** Model: DS-KIT343MFWX, Serial No.: DS-KIT343MFWX20230802V031402ENF67919137, Firmware Version: V3.14.2 build 230802.
- Device Capacity:** Person: 1/1500, Face: 0/1500, Card: 0/3000.

2. PIN Code supports switching between platform applied personal PIN mode and device set personal PIN mode

Notice :

Open web client, go to Configuration-Security-Password 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.

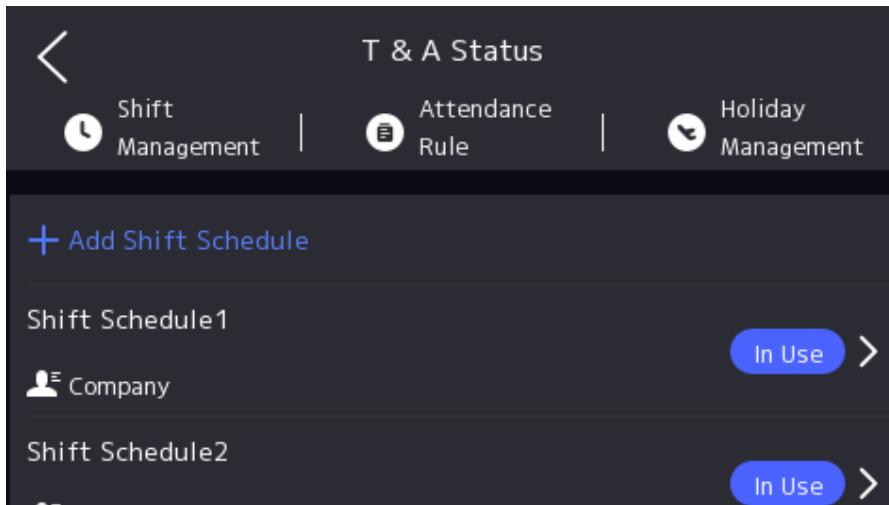


The screenshot shows the HIKVISION web interface with the following sections:

- Configuration:** The "Configuration" menu is selected in the sidebar.
- System:** The "System" section is selected in the main content area.
- Privacy Settings:** The "Privacy Settings" tab is selected.
- Password Mode:** The "Password Mode" section shows two options:
 - Platform-Applied Personal PIN
 - Device-Set Personal PIN
- Save:** A red "Save" button is located at the bottom right.

3. Supports local T&A function.

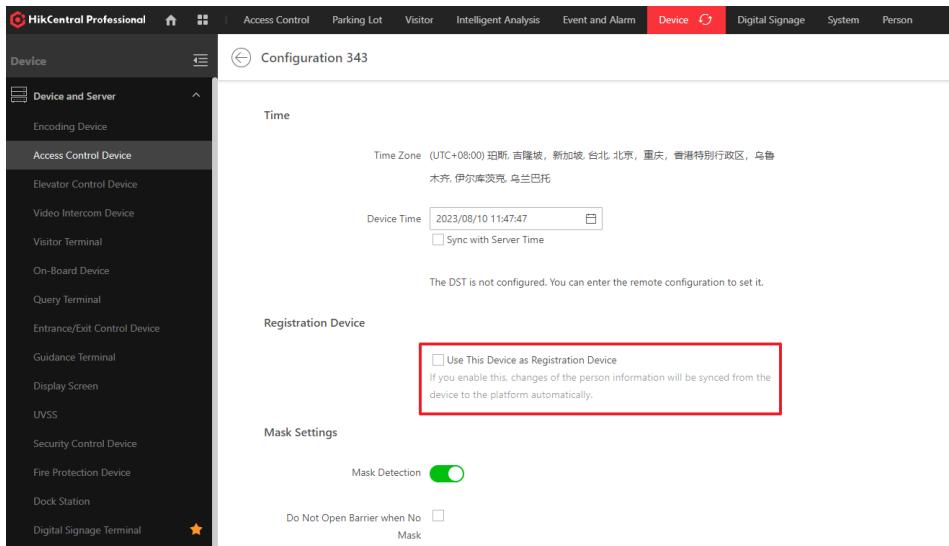
- a. Platform attendance will be disabled automatically after local T&A is enabled, vice versa
- b. Supports set up attendance rule via 3 methods: PC web, mobile web, local menu
- c. Supports 5 types of attendance report: Summary Report, Abnormal Attendance, Attendance Card, Attendance Record, Shift Schedule
- d. Supports 3 methods to export attendance report: PC web, mobile web and USB drive



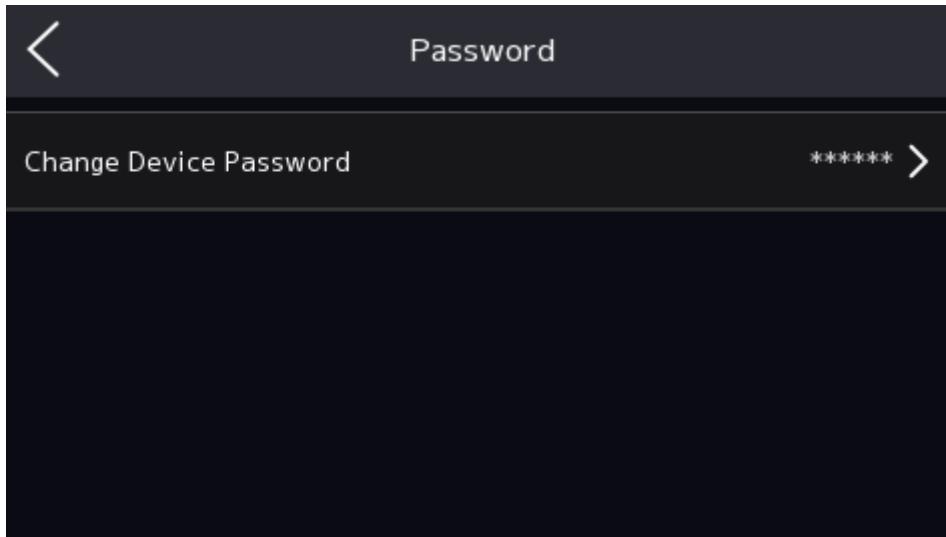
4. Support sync person information to platform automatically

Notice:

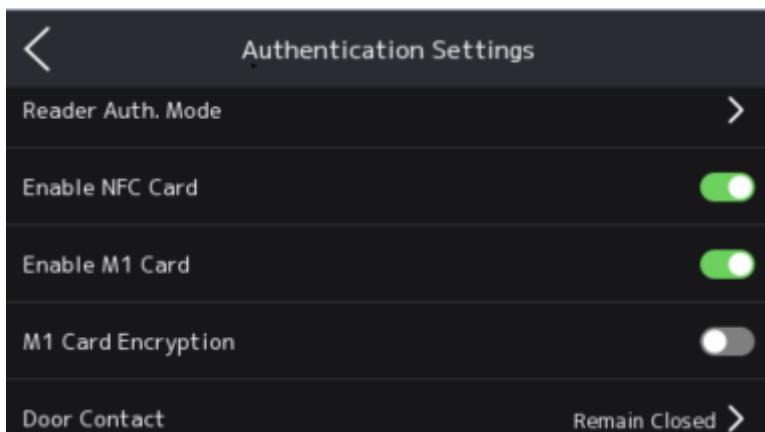
- a. Platform requirement: HCP V2.4.1 or HCAC V2.1.1
- b. Only ISAPI or ISUP protocol supported
- c. Need to set up on platform first. If you enable this function, changes of the person information will be synced from the device to the platform automatically



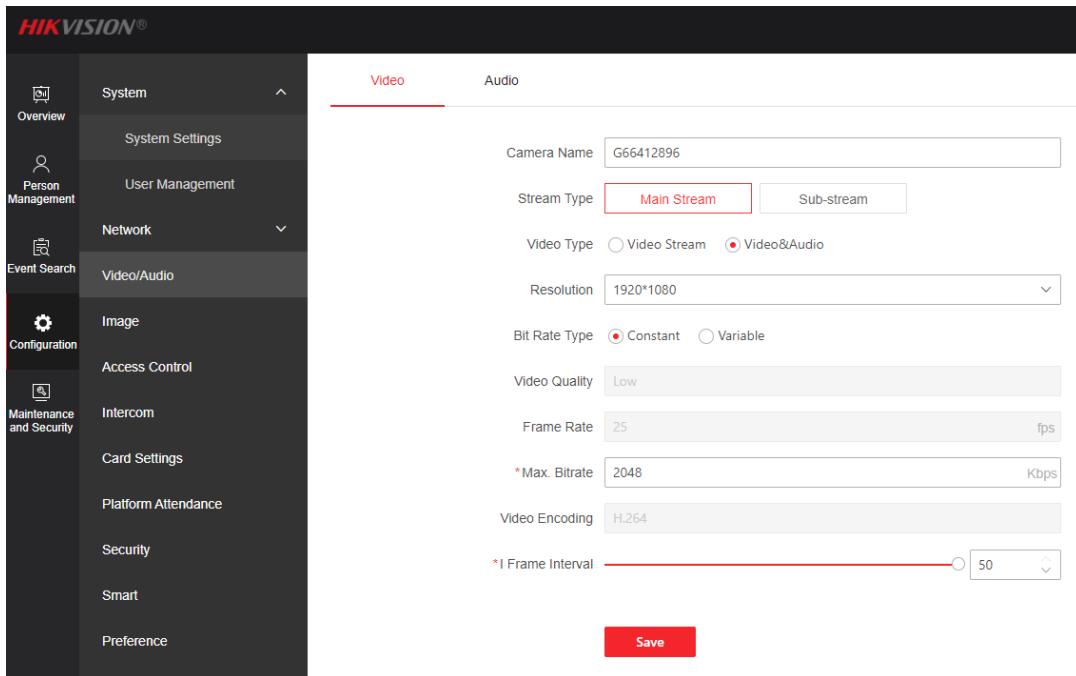
5. Supports modifying device password locally



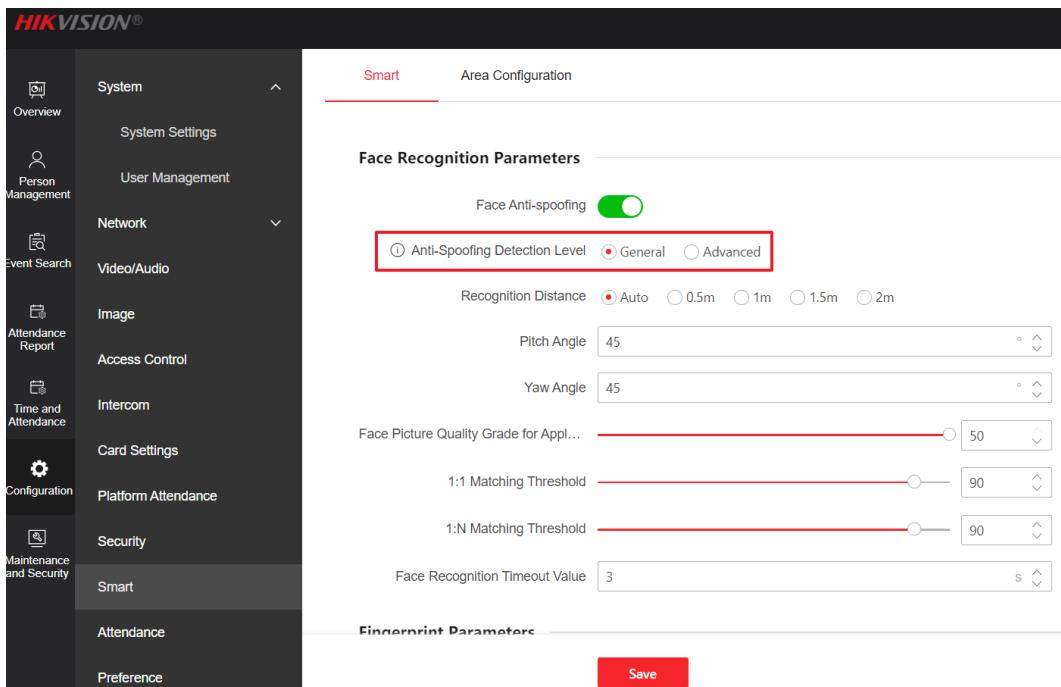
6. Supports enable M1 encryption locally

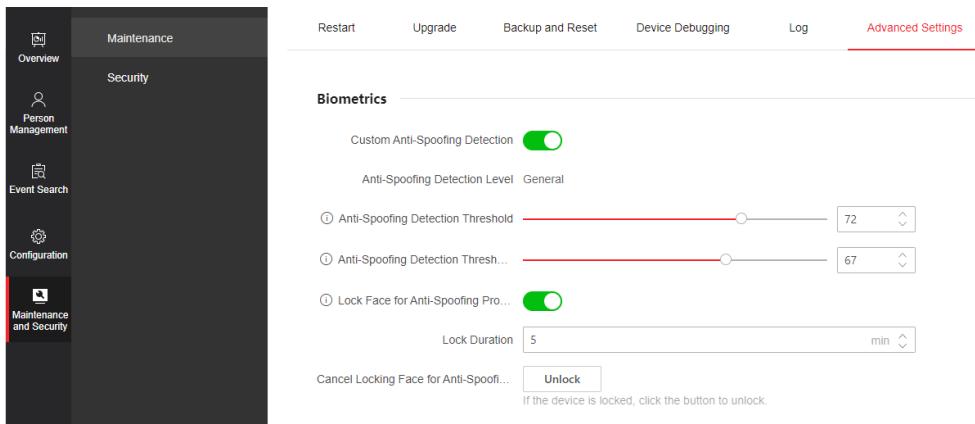


7. Support modify I frame interval(NTSC 30 or PAL 25) both on web and local menu.

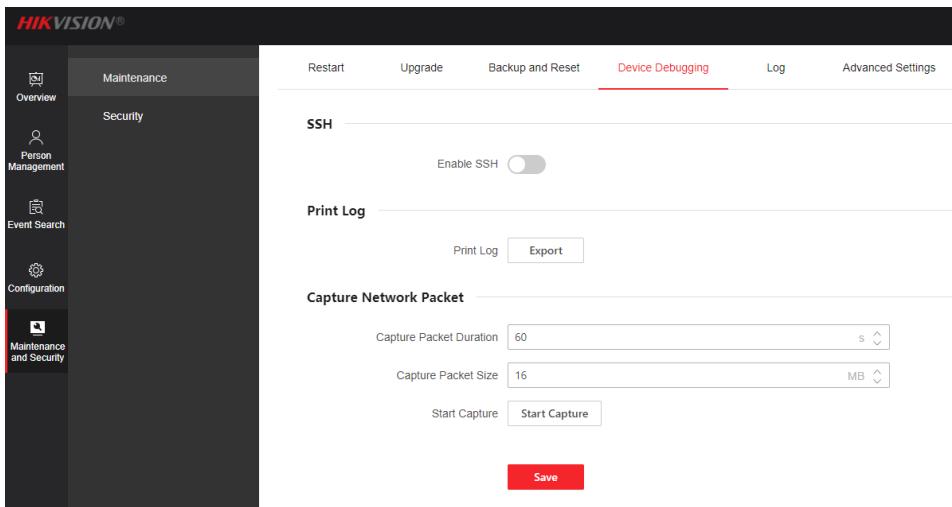


8. Supports 2 anti-spoofing detection level: **General** and **Advanced**. It supports customizing anti-spoofing detection threshold in advanced settings





9. Supports QR code 2.0
10. Supports capture network packet on web client



DS-K1T343 Series MinMoe Terminal

Release Notes (2023-06-14)

Device Model: DS-K1T343EX, DS-K1T343EWX DS-K1T343EFX, DS-K1T343EFWX DS-K1T343MX, DS-K1T343MWX	Firmware Version	ACS_343_F1pro_EN_STD_V3.14.0_build230331 ACS_343_F1pro_EN_NEU_V3.14.0_build230331
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Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	SDK	Latest baseline version
	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

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

Modified Features

11. Fixed known security vulnerabilities
for details, please refer:

<https://www.hikvision.com/en/support/cybersecurity/security-advisory/security-vulnerability-in-some-hikvision-access-control-intercom/>

DS-K1T343 Series MinMoe Terminal Release Notes (2022-04-09)

Device Model: DS-K1T343EX, DS-K1T343EWX DS-K1T343EFX, DS-K1T343EFWX DS-K1T343MX, DS-K1T343MWX DS-K1T343MFX, DS-K1T343MFWX	Firmware Version	ACS_343_F1pro_EN_STD_V3.3.4_build220310 ACS_343_F1pro_EN_NEU_V3.3.4_build220310
	SDK	Latest baseline version
Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

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

Modified Features

12. Optimize fingerprint module performance.

DS-K1T343 Series MinMoe Terminal

Release Notes (2022-03-09)

Device Model: DS-K1T343EX, DS-K1T343EWX DS-K1T343EFX, DS-K1T343EFWX DS-K1T343MX, DS-K1T343MWX DS-K1T343MFX, DS-K1T343MFWX	Firmware Version	ACS_343_F1pro_EN_STD_V3.3.4_build220210 ACS_343_F1pro_EN_NEU_V3.3.4_build220210
	SDK	Latest baseline version
Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

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

Modified Features

13. Fix the problem that the device cannot wake up occasionally after running for a long time;

DS-K1T343 Series MinMoe Terminal

Release Notes (2022-02-09)

Device Model: DS-K1T343EX, DS-K1T343EWX DS-K1T343EFX, DS-K1T343EFWX DS-K1T343MX, DS-K1T343MWX	Firmware Version	ARM : ACS_343_F1pro_EN_STD_V3.3.4_build211229 ACS_343_F1pro_EN_NEU_V3.3.4_build211229
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Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	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. Update the driver to be compatible with new fingerprint materials;
2. Fix some ISAPI protocol bugs

DS-K1T343 Series MinMoe Terminal Release Notes (2021-10-23)

Device Model: DS-K1T343EX, DS-K1T343EWX DS-K1T343EFX, DS-K1T343EFWX DS-K1T343MX, DS-K1T343MWX DS-K1T343MFX, DS-K1T343MFWX Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	Firmware Version	ARM : ACS_343_F1pro_EN_STD_V3.3.4_build211022 ACS_343_F1pro_EN_NEU_V3.3.4_build211022
	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. Update the driver to be compatible with new fingerprint materials;

DS-K1T343 Series MinMoe Terminal

Release Notes (2021-09-17)

Device Model: DS-K1T343EX, DS-K1T343EWX DS-K1T343EFX, DS-K1T343EFWX DS-K1T343MX, DS-K1T343MWX DS-K1T343MFX, DS-K1T343MFWX	Firmware Version	ARM : ACS_343_F1pro_EN_STD_V3.3.4_build210812 ACS_343_F1pro_EN_NEU_V3.3.4_build210812
	SDK	Latest baseline version
Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

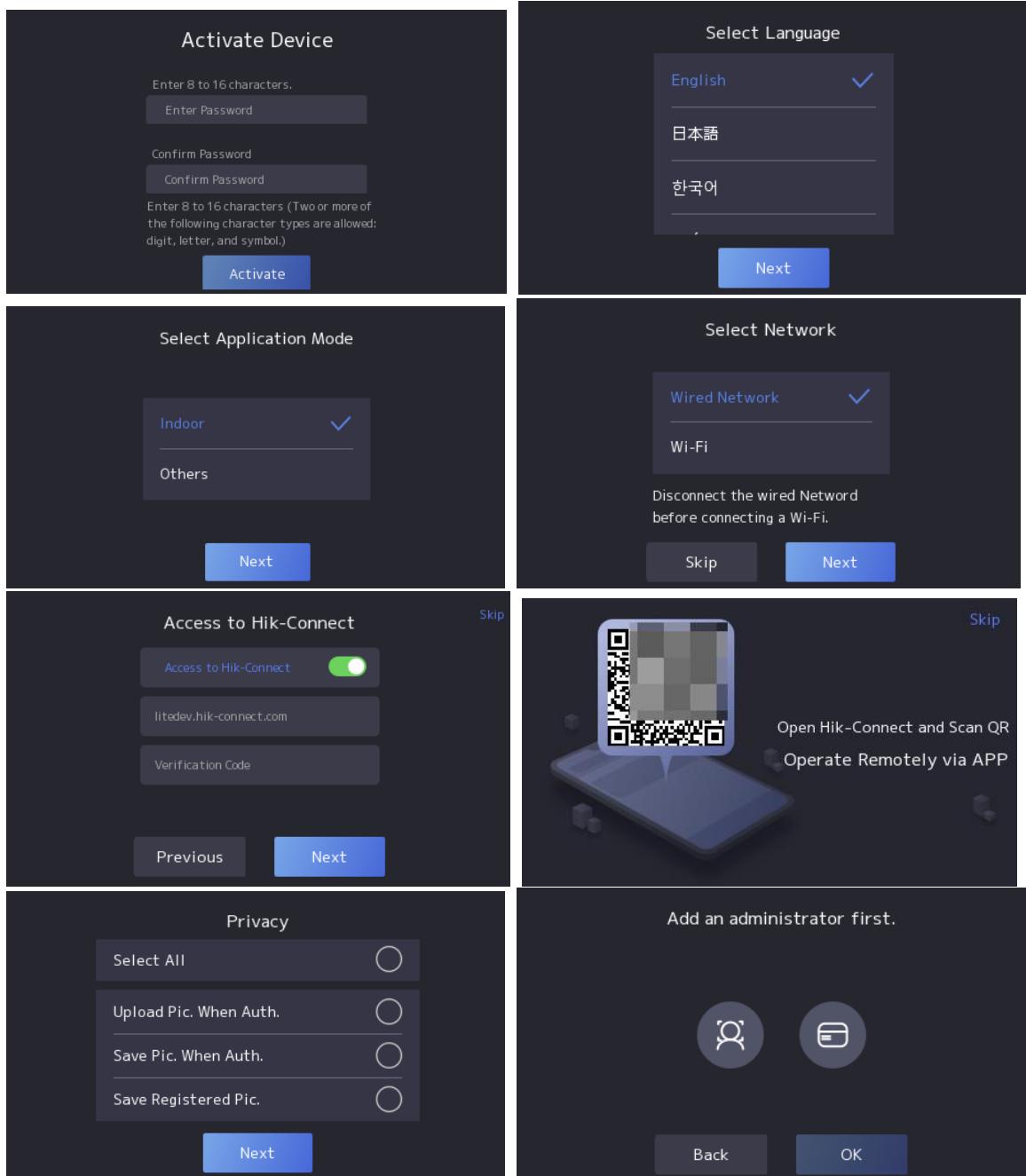
New model DS-K1T343 series MinMoe terminal first time released.

New Features

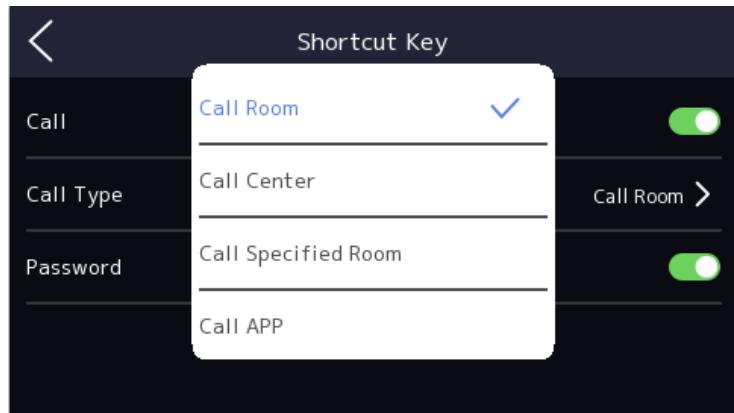
- 4.3 inch capacitive touch screen with large screen ratio, 2 MP wide-angle dual-lens camera with WDR feature;
- Connect external card reader or access controller via RS485 protocol; support Wiegand26/34 output
- Face recognition duration < 0.2 s/User; face recognition accuracy rate $\geq 99\%$
- Face, card, fingerprint, event capacity**

	Face	Card	Fingerprint	Event	Wi-Fi
DS-K1T343EX	1,500	3,000(EM)	Not support	150,000	Not support
DS-K1T343EWX			Not support		Support
DS-K1T343EFX			1,500		Not support
DS-K1T343EFWX			1,500		Support
DS-K1T343MX		3,000(M1)	Not support		Not support
DS-K1T343MWX			Not support		Support
DS-K1T343MFX			1,500		Not support
DS-K1T343MFWX			1,500		Support

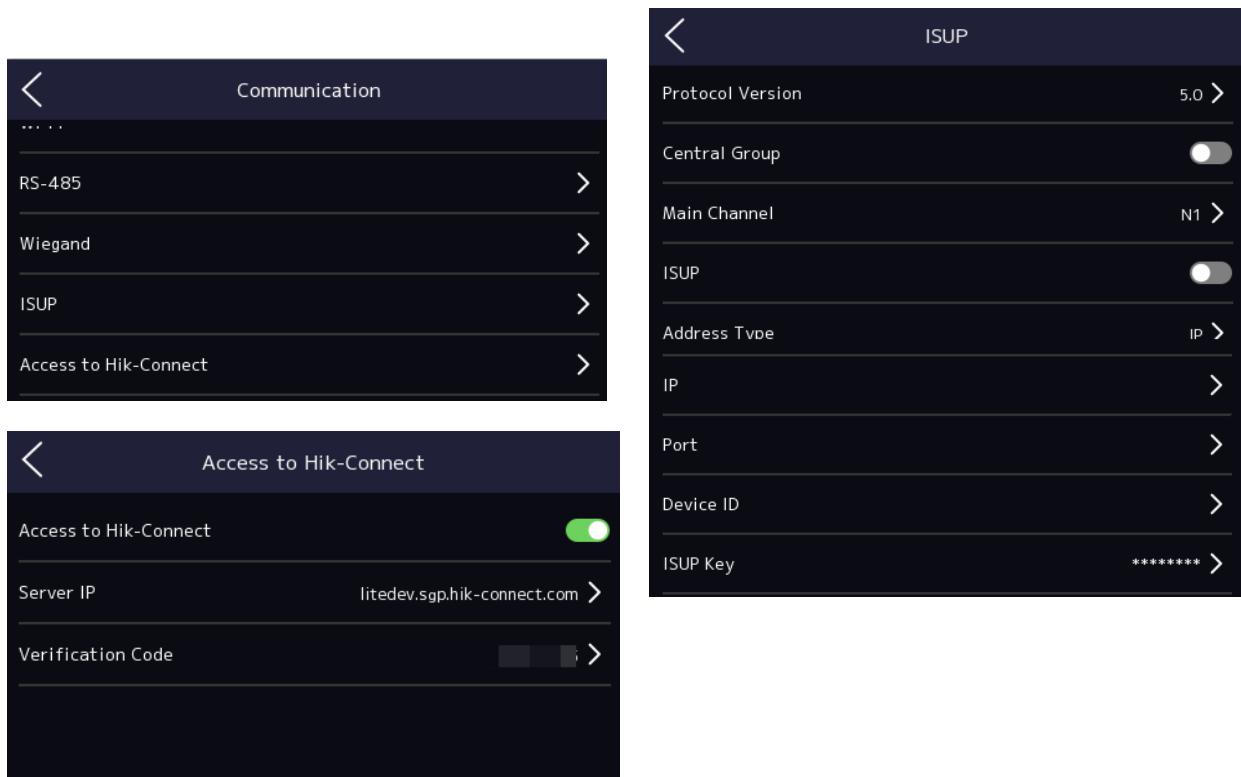
5. **ISAPI** protocol makes it easier for integration with third-party software;
6. Remote video intercom and unlock door from **Hik-Connect App** on your mobile/Pad
7. Support **Hik-ProConnect** platform to realize Cloud access control and time attendance management
8. Support **ISUP 5.0** protocol 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



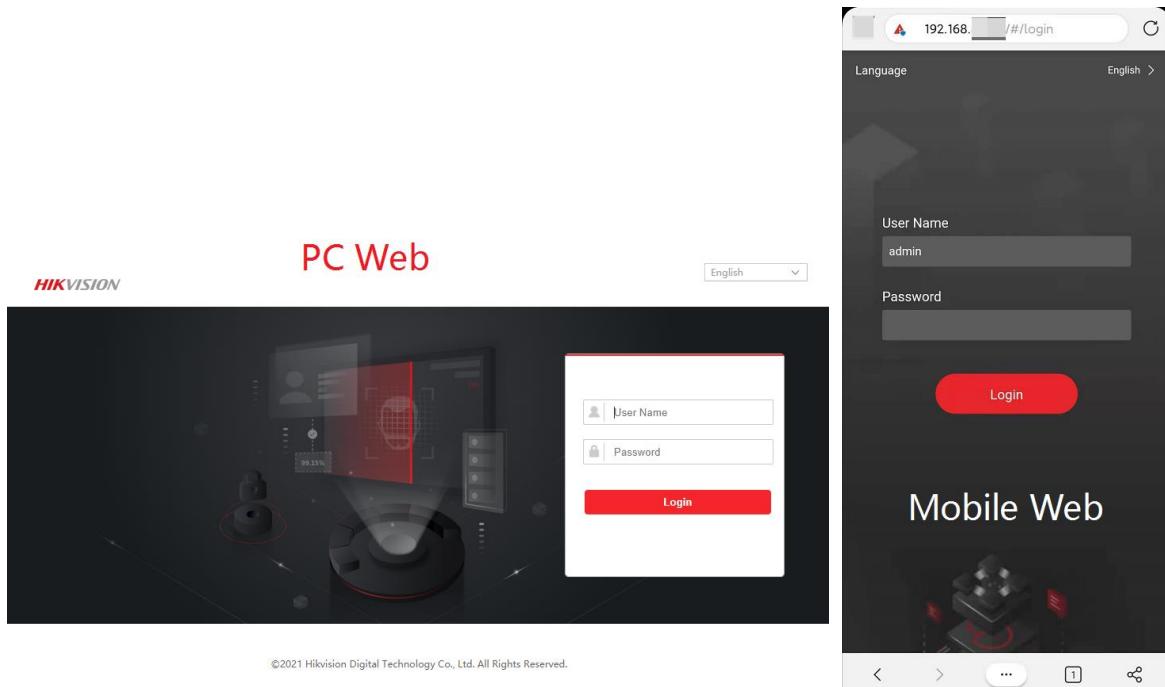
10. Self-defined shortcut key (Call Room, Call Center, Call Specified Room, Call App and Password) on main interface;



11. Configure ISUP and Hik-Connect parameter in device local menu



12. Login and configure device in web client via **PC/mobile browser**;(mobile phone should connect same network with device)



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

14. Network

Support TCP/IP, adapt to LAN(network) or WAN(ISUP 5.0) network environment

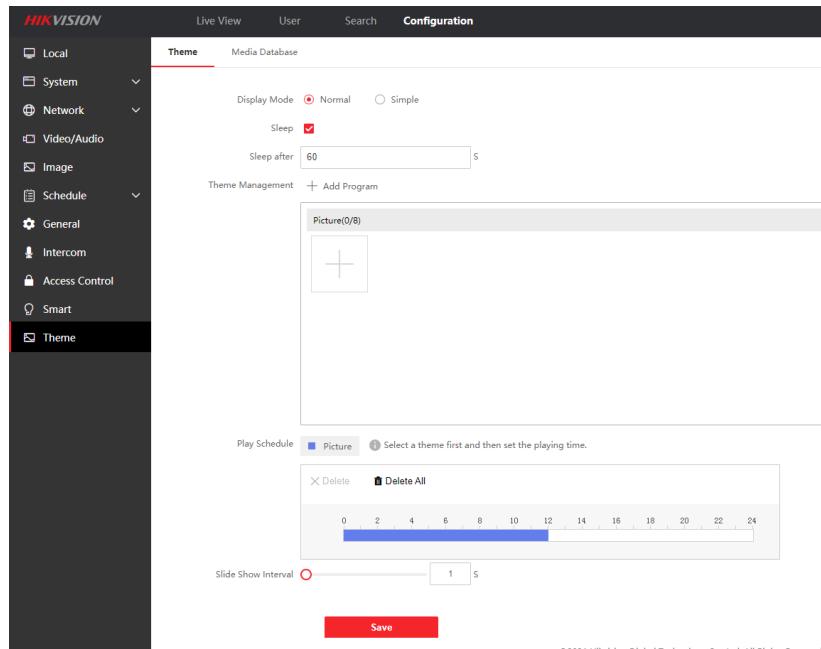
15. Function

- 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 1.5 meters;
- e. Support check in/check out/break out/break in/overtime in/overtime out attendance status, and self-define status name;

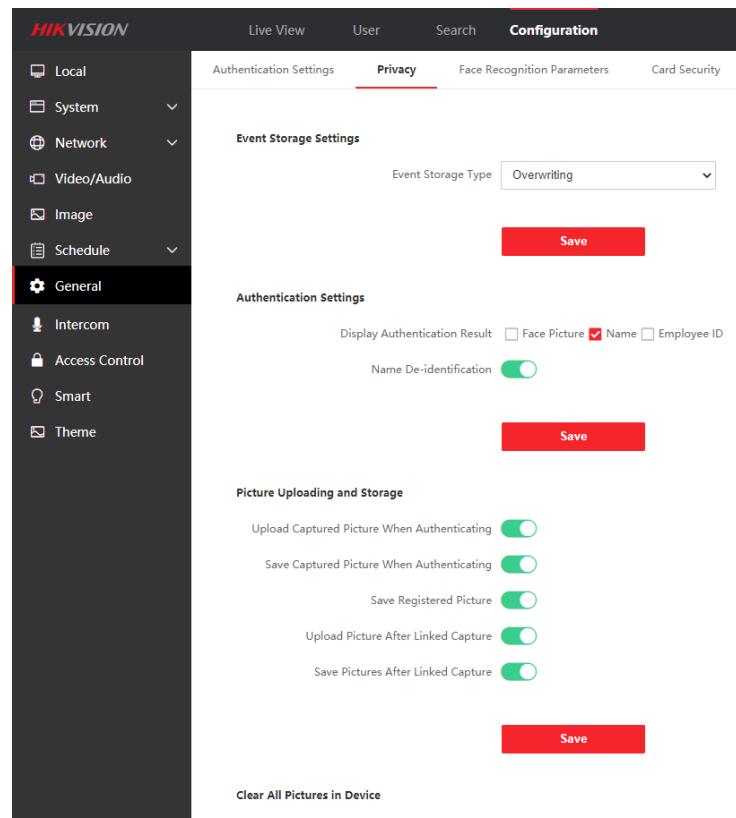
The screenshot shows the Hikvision Configuration interface. The left sidebar has a 'T&A Status' section selected. The main content area is titled 'T&A Status' and shows 'Time Settings' and 'T&A Status' tabs. Under 'T&A Status', the 'Attendance Mode' is set to 'Manual' and the 'Attendance Status Required' toggle is on. A table lists attendance status configurations:

Enable Attendance Status	Parameters
<input checked="" type="checkbox"/> Check In/Check Out	Customize Break Out Name: Tea Out <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Break Out/Break In	Customize Break In Name: Tea In <input checked="" type="checkbox"/>
<input type="checkbox"/> Overtime In/Overtime Out	

f. Support custom standby background image (max 8 pictures)



g. Support privacy protection, customer can define the privacy related parameter, such as Event Storage Settings, Picture Uploading and Storage, Clear All Pictures in Device



h. Supports face recognition in low illumination
 i. Supports live view on the platform, H.264

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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