

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 Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	Firmware Version	ACS_343_F1pro_EN_NEU_V4.39.80_build250827 ACS_343_F1pro_EN_STD_V4.39.80_build250827
	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

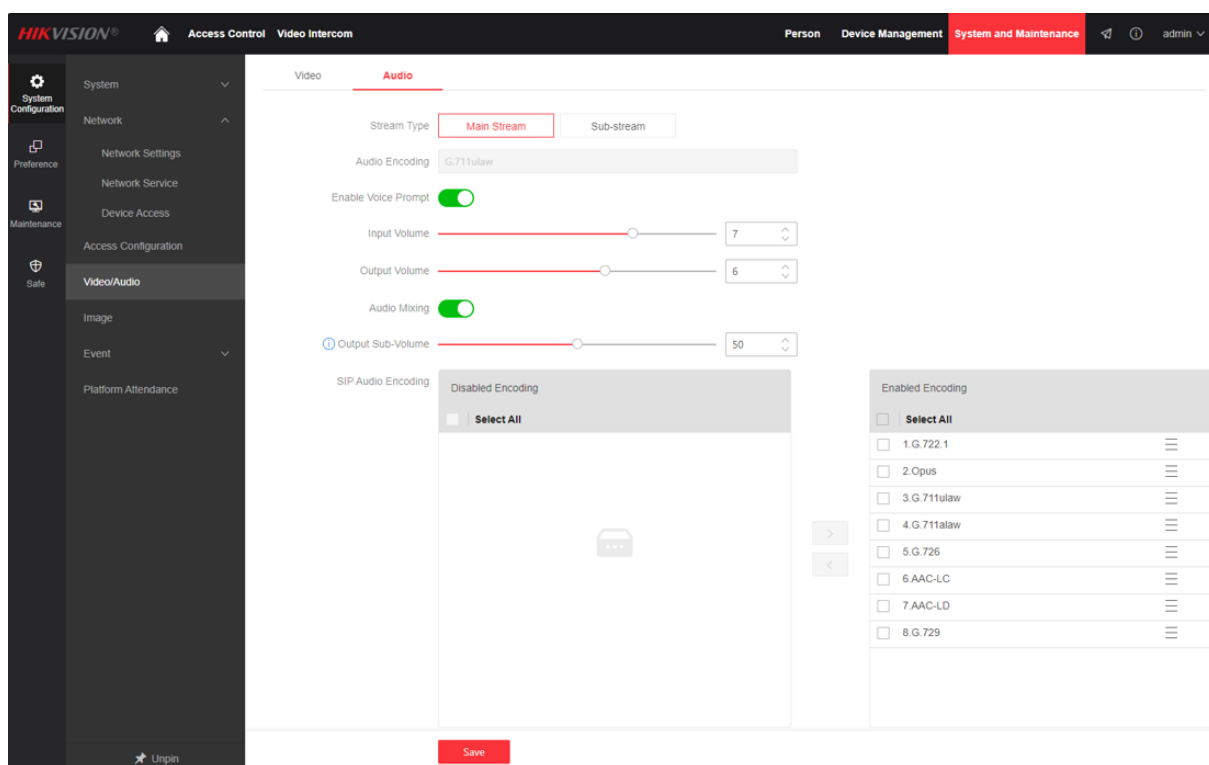
DS-K1T343 Series MinMoe Terminal

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 form 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

Device No. Video Intercom Network Call Settings Press Button to Call **Call Priority** Number Settings

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
Priority2	<input type="checkbox"/> Platform <input type="checkbox"/> Indoor Station <input checked="" type="checkbox"/> Telephone Gateway	60 s
Priority3	<input type="checkbox"/> Platform <input type="checkbox"/> Indoor Station <input type="checkbox"/> Telephone Gateway	60 s

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

Save

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.

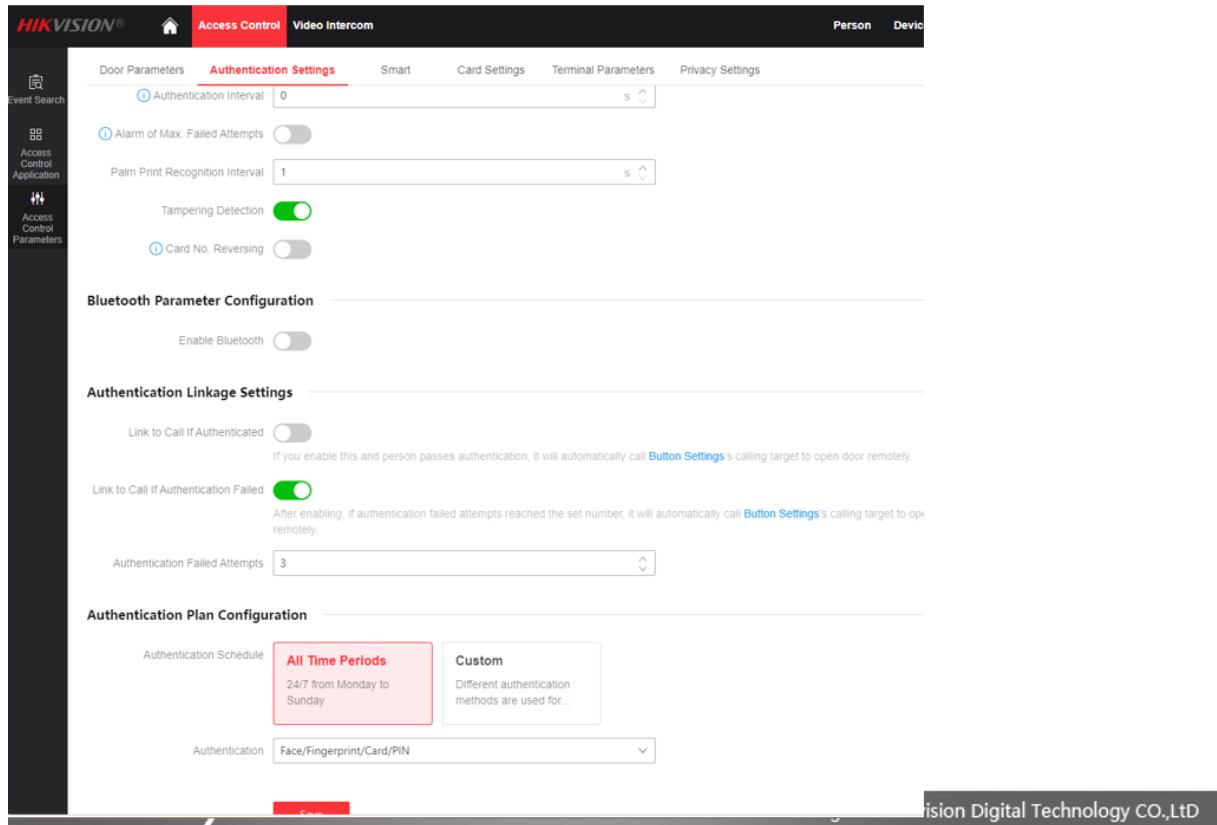
Device No. Video Intercom Network Call Settings **Press Button to Call** Call Priority Number Settings

No.	Button Settings
Call	<input type="radio"/> Call Specified Room Enter Room No. <input type="radio"/> Call Center <input checked="" type="radio"/> Call Room <input type="radio"/> Call APP
Call Center	<input checked="" type="radio"/> Call Management Center <input type="radio"/> Call VoIP Center

Save

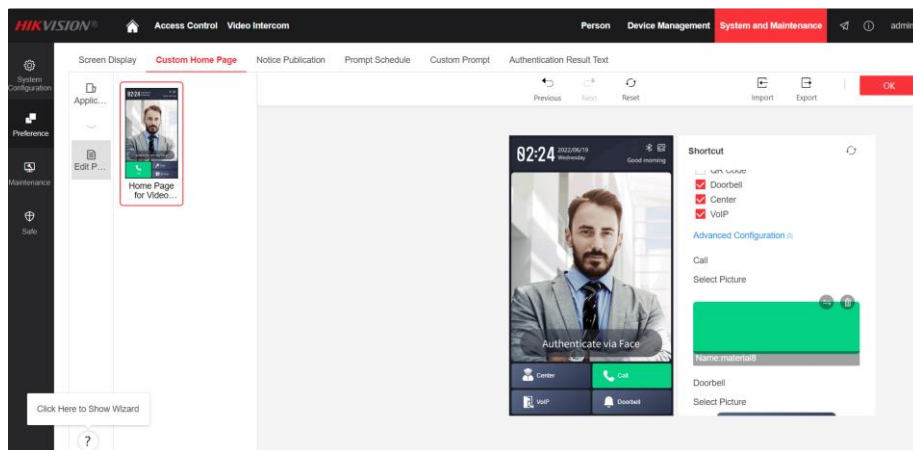
12. Support linkage calls for authentication failure

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

Event Search

Access Control Application

Access Control Parameters

Cross-Device Anti-Passback ⓘ

Cross-Device Multi-Door Int... ⓘ

Enable ☒

Device Type ☒ Set as Main Device ☐ Set as Sub Device

*Port No.

Interlocking Combination + Add 🗑 Delete ⚙ Sub Device(s) Management

No. ⬆⬇	Name	Door	Operation
<div>No data.</div>			

Save

HIKVISION®

Access Control

Video Intercom

Event Search

Access Control Application

Parameter Settings

Cross-Device Anti-Passback ⓘ

Cross-Device Multi-Door Int... ⓘ

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

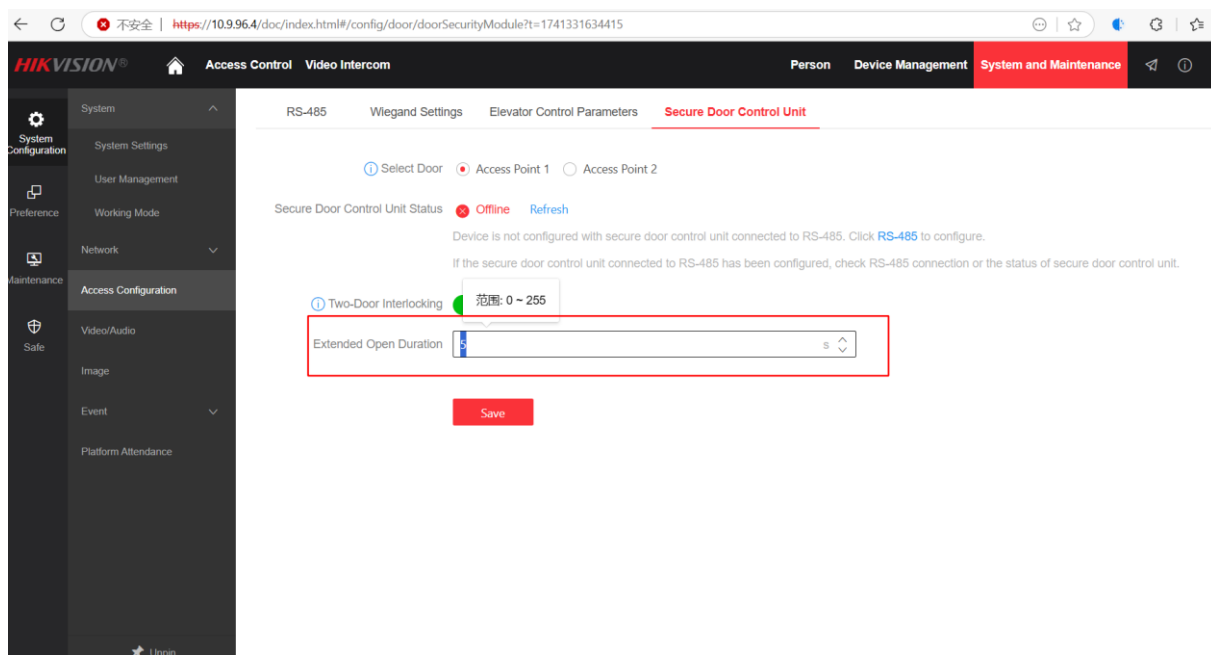
☐ Select All

☒ Door1

☐ Door2

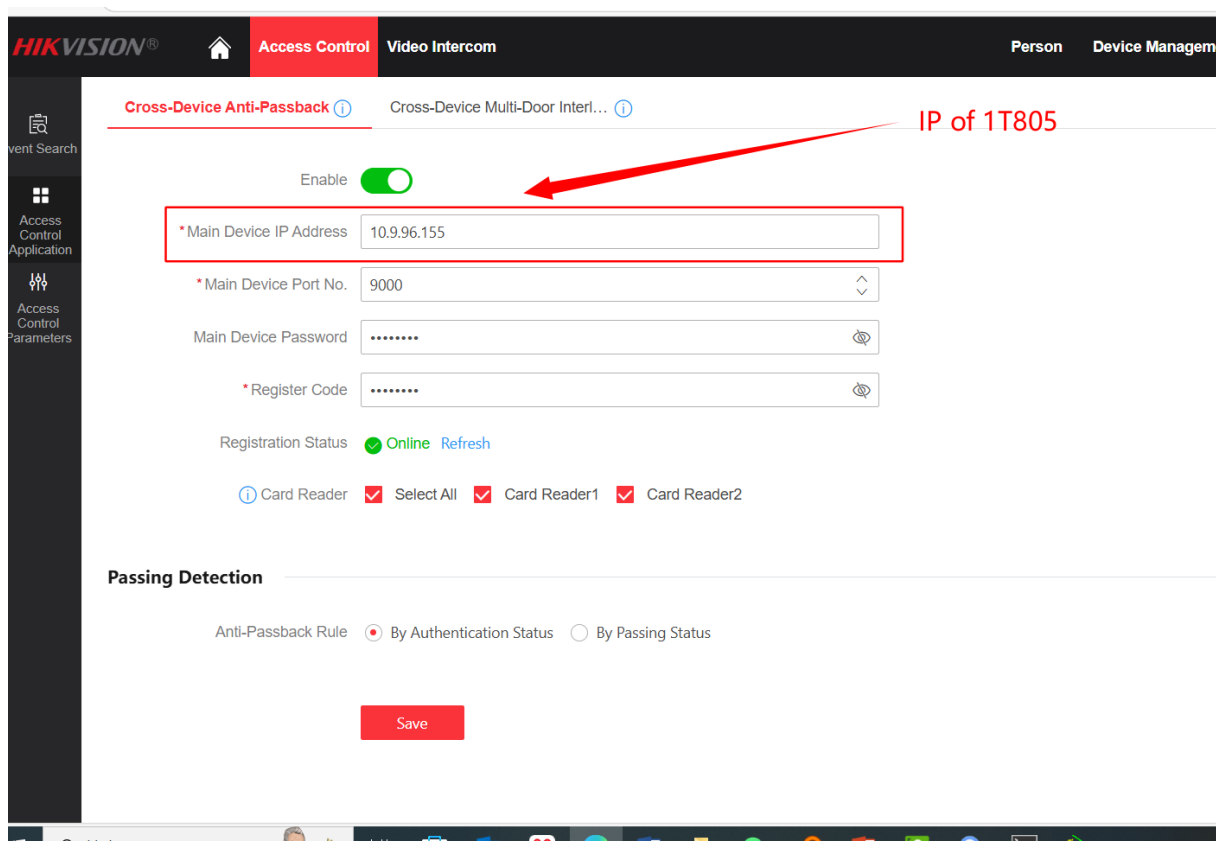
Save

2. 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

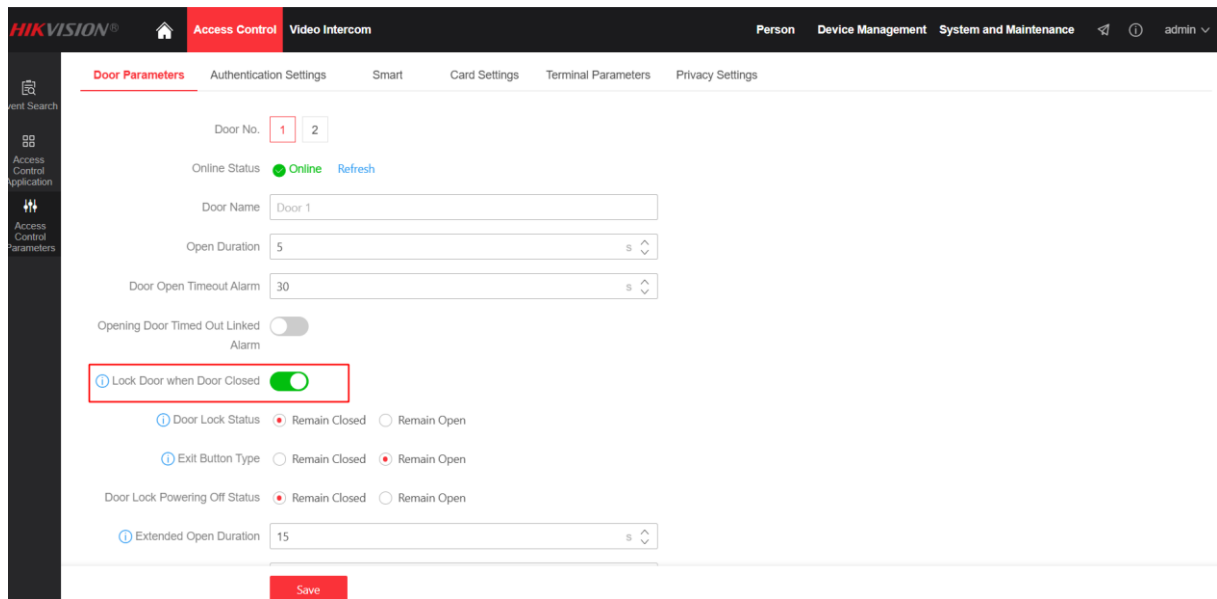
Remark: It is paired with a customized version firmware of DS-K1T805FW(V1.8.1 build) who is used as anti-passback server.



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

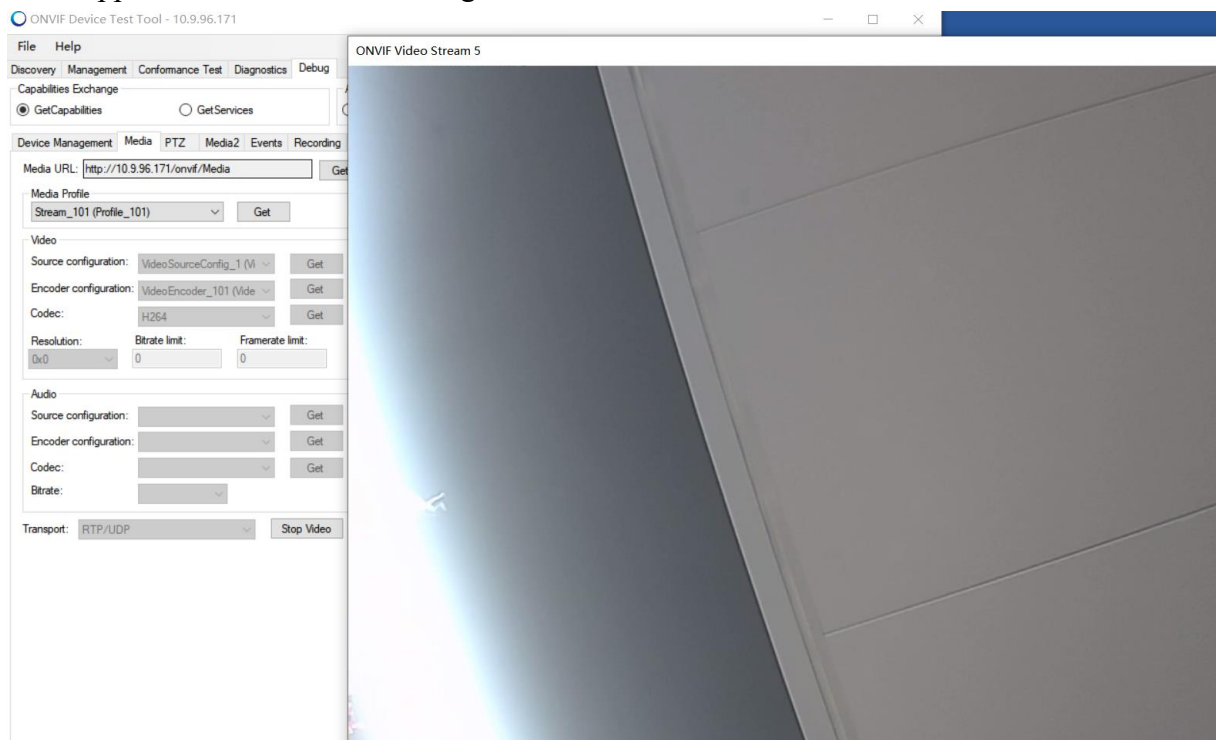
Route Antiback: Personnel must be certified in turn according to the set route, and the passage is only one way.

4. Support locking door when door close



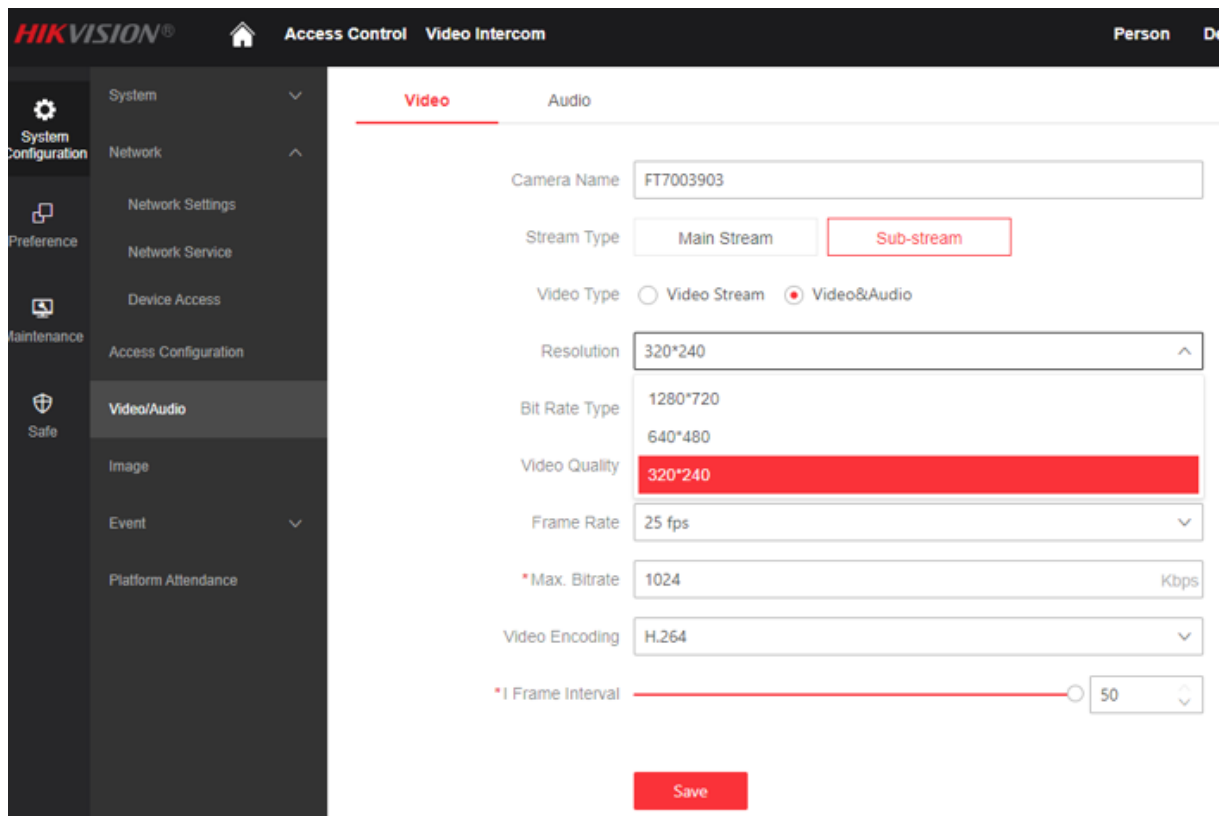
● Others

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



3. Support sub-stream 320x240

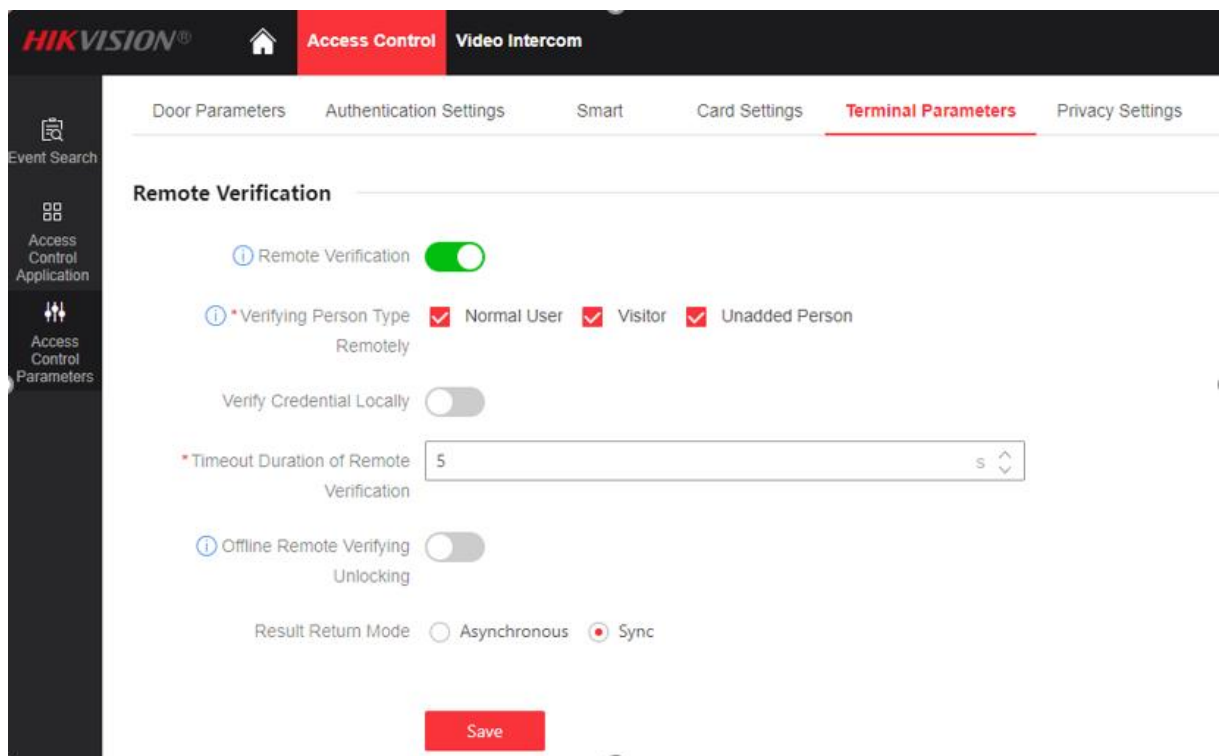
Remark: sub-stream is an independent stream that is separated from the main stream during the video encoding process and used for a specific purpose or device.



The screenshot shows the Hikvision Web Client interface for the 'Video Intercom' section, specifically the 'Video' settings tab. The left sidebar contains navigation options: System Configuration, Preference, Maintenance, and Safe. The main content area is divided into 'Video' and 'Audio' sections. The 'Video' section includes fields for Camera Name (FT7003903), Stream Type (Main Stream and Sub-stream), Video Type (Video Stream and Video&Audio), Resolution (320*240), Bit Rate Type (1280*720 and 640*480), Video Quality (320*240), Frame Rate (25 fps), Max. Bitrate (1024 Kbps), Video Encoding (H.264), and I Frame Interval (50). A 'Save' button is located at the bottom right.

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.



The screenshot shows the Hikvision Web Client interface for the 'Video Intercom' section, specifically the 'Terminal Parameters' tab. The left sidebar contains navigation options: Event Search, Access Control Application, and Access Control Parameters. The main content area is divided into 'Door Parameters', 'Authentication Settings', 'Smart', 'Card Settings', 'Terminal Parameters', and 'Privacy Settings'. The 'Terminal Parameters' section includes 'Remote Verification' settings: Remote Verification (toggle on), Verifying Person Type (Normal User, Visitor, Unadded Person), Verify Credential Locally (toggle off), Timeout Duration of Remote Verification (5 s), Offline Remote Verifying (toggle off), and Result Return Mode (Asynchronous, Sync). A 'Save' button is located at the bottom right.

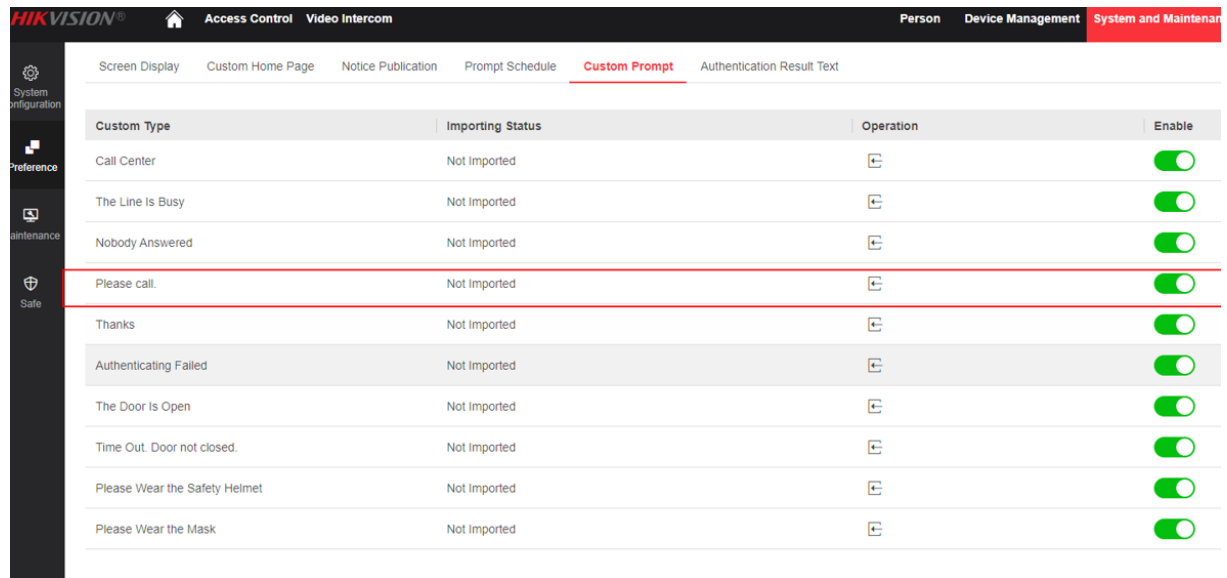
5. Support report device online status by SNMP

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

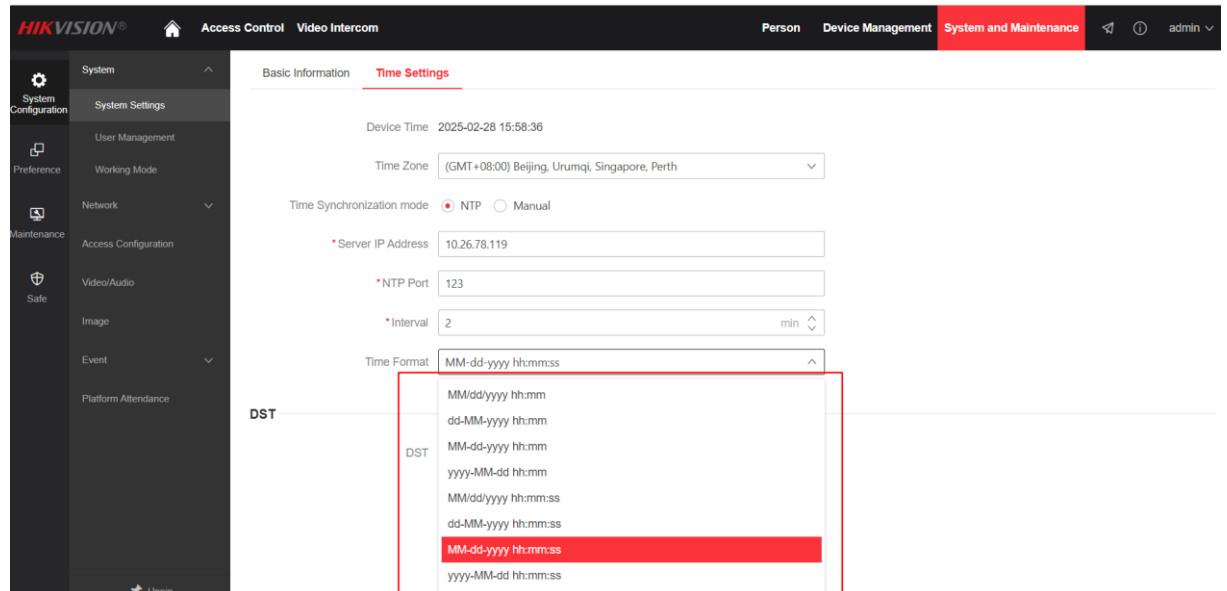
Remark: Administrator can edit all configurations of the device. Operator just can edit person. Basic Person can't edit any configuration of the device.

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



11. Support configuration of device time display format



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

Event Search

Access Control Application

Access Control Parameters

Access Control

Video Intercom

Door Parameters

Authentication Settings

Smart

Card Settings

Terminal Parameters

Privacy Settings

Authentication Result Display

5

s

Duration

Picture Uploading and Storage

Save Picture When Auth.

☒

If enabled, the captured picture when authentication will be saved to the device automatically.

Upload Picture When Auth.

☒

If enabled, the captured picture when authentication will be uploaded to the platform automatically.

Captured Picture Mode

☒ Default ☐ Face Picture Matting

Max. Picture Size

Unlimited

▼

Picture Resolution

Auto

▼

Save Registered Picture

☒

If enabled, the captured face picture when registered will be saved to the device.

Save Pictures After Linked Capture

☒

If enabled, the captured pictures will be saved to the device automatically.

Upload Picture After Linked Capture

☒

If enabled, the captured pictures will be uploaded to the platform automatically.

Upload Captured Picture During Call

☒

If enabled, pictures will be captured automatically during calls and will be uploaded automatically.

Clear All Pictures in Device

Clear Registered Face Pictures

Clear

Clear Captured Pictures

Clear

PIN Mode

PIN Mode

☒ Platform-Applied Personal PIN ⓘ ☐ Device-Set Personal PIN ⓘ

Save

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.

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Access Control

Video Intercom

Person

1

Basic Information

Employee ID 1

Name

chandler

Gender

☐ Male
 ☐ Female
 ☒ Unknown

Person Type

☒ Normal User
 ☐ Visitor
 ☐ Blocklist User
 ☐ Custom Type

Person Role

☐ Basic Person
 ☒ Administrator
 ☐ Operator

Long-Term Effective User

☐

Validity Period

01-18-2025 00:00:00

-

01-17-2035 23:59:59

Attendance Check Only

☒

After enabling, this person won't be given access control permission.

DS-K1T343 Series MinMoe Terminal Release Notes (2023-08-09)

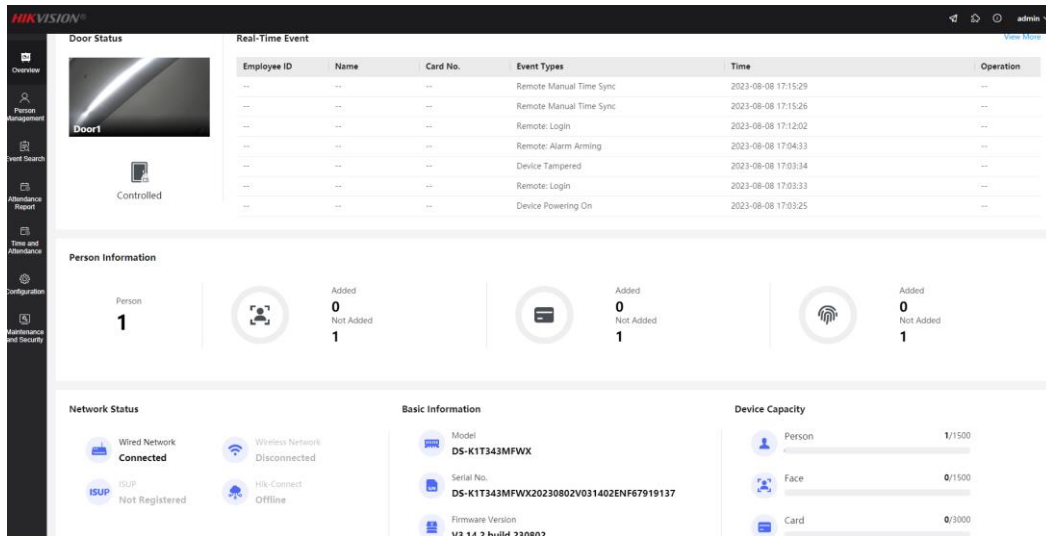
Device Model: DS-K1T343EX, DS-K1T343EWX DS-K1T343EFX, DS-K1T343EFWX DS-K1T343MX, DS-K1T343MWX DS-K1T343MFX, DS-K1T343MFWX Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	Firmware Version	ACS_343_F1pro_EN_NEU_V3.14.2_build230802 ACS_343_F1pro_EN_STD_V3.14.2_build230802
	Software	HikCentral 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

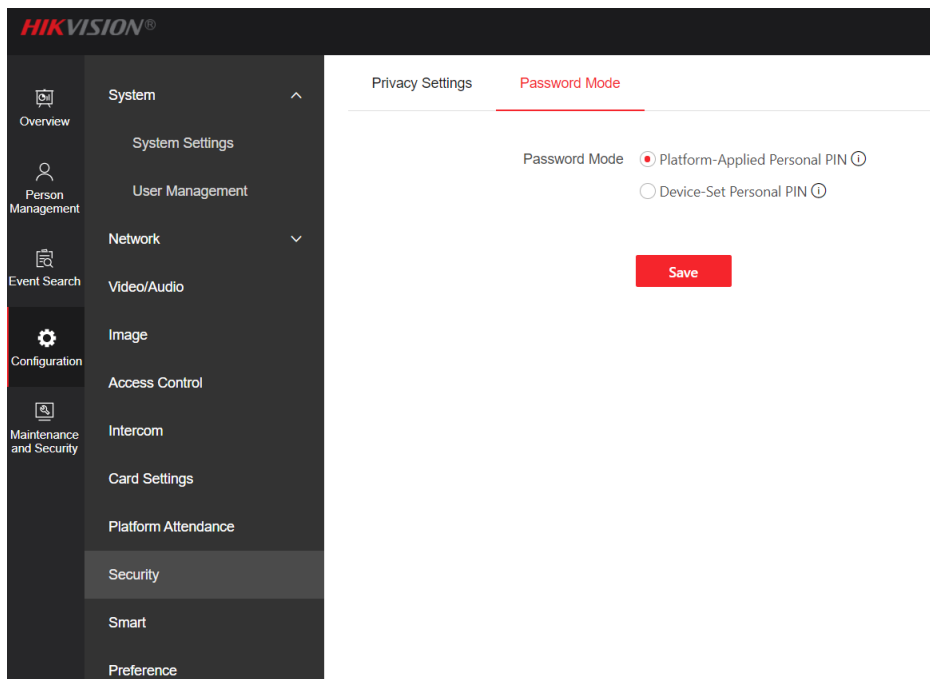
1. User friendly UI design



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-Passwd 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.



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

Schedule
Set shift schedule for employees.

Shift Schedule View
View person attendance information every day.

General Settings

- Shift Management**
Set attendance check period every day, including normal shift and flexible shift.
- Attendance Rule**
Set early leave and late rule.
- Holiday Management**
Set holiday time. Attendance can be skipped on holiday.

Schedule

[+ Add Schedule](#)

Schedule Name	Person for Attendance Check	Schedule	Status	Operation
Shift Schedule1	Company	Monday, Tuesday, Wednesday, Thursday, Friday : Normal Shift1 (09:00-18:00)	In Use	Edit Delete
Shift Schedule2	Admin. Dept.	Monday, Tuesday, Wednesday, Thursday, Friday : Normal Shift1 (09:00-18:00)	In Use	Edit Delete
Shift Schedule3	Sales Dept.	Monday, Tuesday, Wednesday, Thursday, Friday : Normal Shift1 (09:00-18:00)	In Use	Edit Delete
Shift Schedule4	Financial Dept.	Monday, Tuesday, Wednesday, Thursday, Friday : Normal Shift1 (09:00-18:00)	In Use	Edit Delete

Attendance Statistics

[Day](#) [Month](#) 2023-8-8 All Departments

Unit: Total Amount

Attendance Rate
0%
Expected: 0, Attended Staff Number: 0, Absent: 0

Present
Total Amount: 0 (0%)

Late
0

Early Leave
0

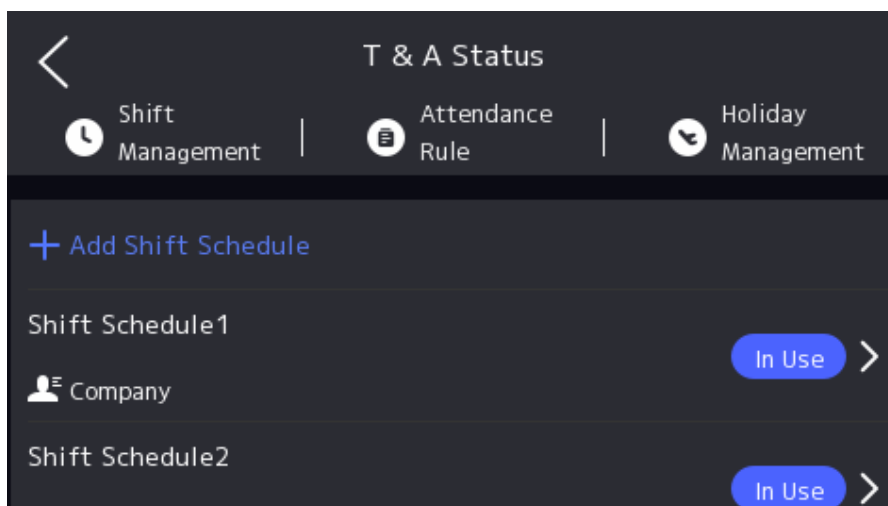
Missed Check
0

Absent
0

Employee ID	Name	Department
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Menu

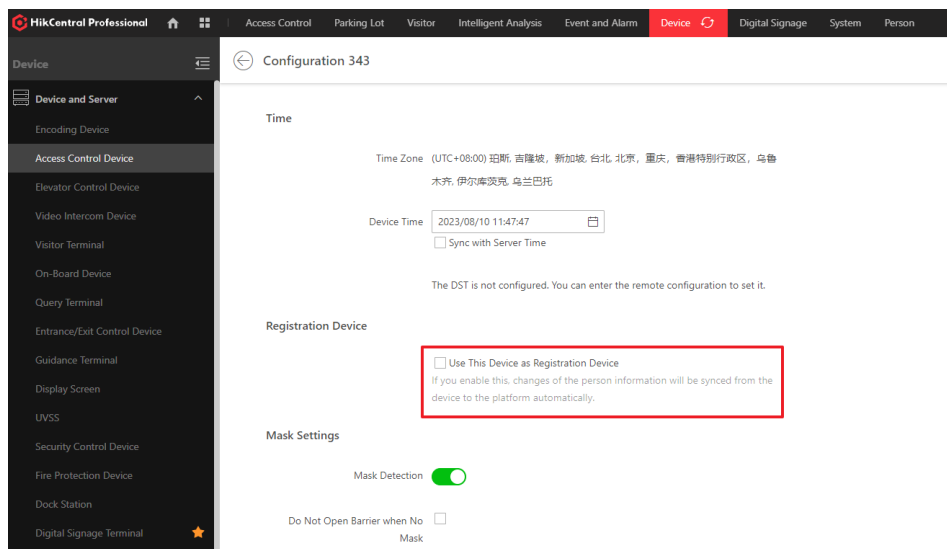
- Department Management
- User
- Authentication Settings
- Local T & A
- Attendance Report
- Platform Attendance
- System Settings
- Data



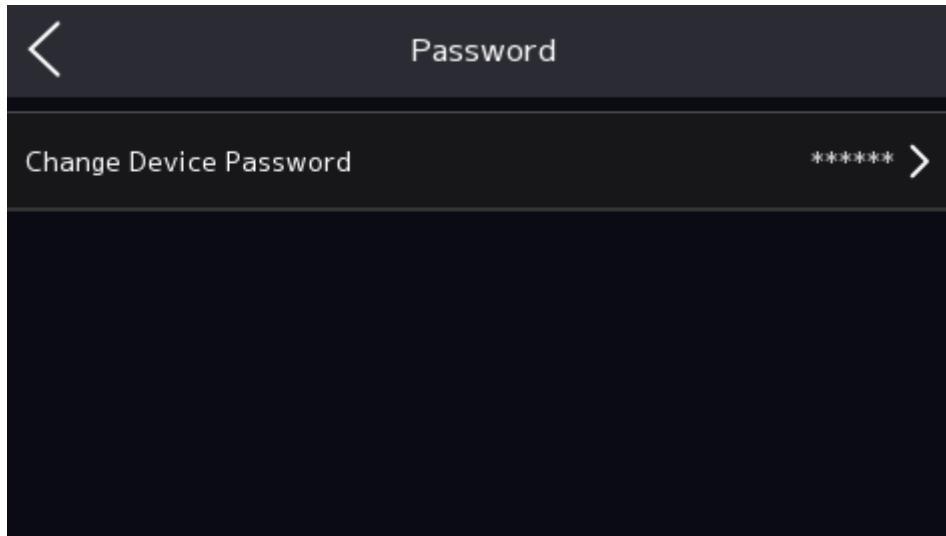
4. Support sync person information to platform automatically

Notice:

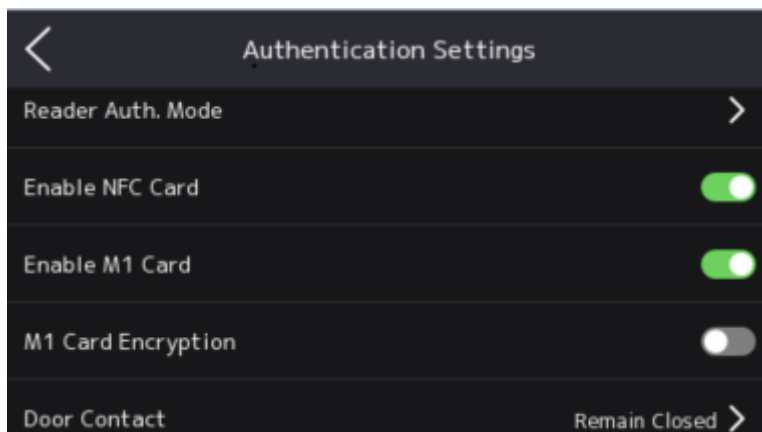
- Platform requirement: HCP V2.4.1 or HCAC V2.1.1
- Only ISAPI or ISUP protocol supported
- Need to set up on platform first. If you enable this function , changes of the person information will be synced from the device to the platform automatically



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.

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Video Audio

Camera Name: G66412696

Stream Type: ☒ Main Stream ☐ Sub-stream

Video Type: ☐ Video Stream ☒ Video&Audio

Resolution: 1920*1080

Bit Rate Type: ☒ Constant ☐ Variable

Video Quality: Low

Frame Rate: 25 fps

* Max. Bitrate: 2048 Kbps

Video Encoding: H.264

*I Frame Interval: 50

Save

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

HIKVISION®

Smart Area Configuration

Face Recognition Parameters

Face Anti-spoofing: ☒

① Anti-Spoofing Detection Level: ☒ General ☐ Advanced

Recognition Distance: ☒ Auto ☐ 0.5m ☐ 1m ☐ 1.5m ☐ 2m

Pitch Angle: 45°

Yaw Angle: 45°

Face Picture Quality Grade for Appl...: 50

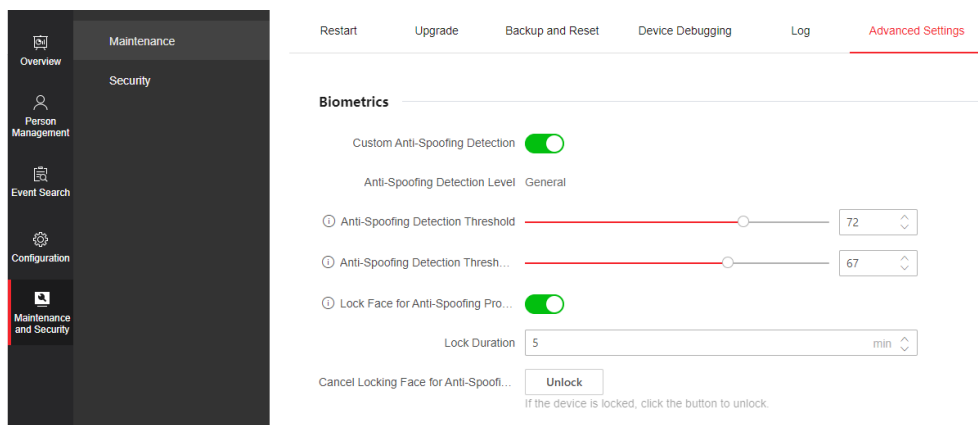
1:1 Matching Threshold: 90

1:N Matching Threshold: 90

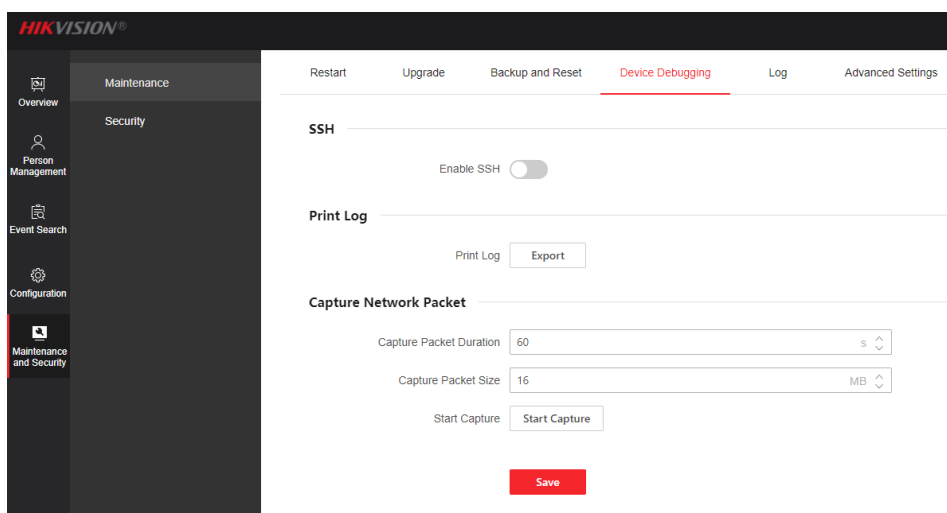
Face Recognition Timeout Value: 3 s

Fingerprint Parameters

Save



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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DS-K1T343MFX, DS-K1T343MFWX 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 Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	Firmware Version	ACS_343_F1pro_EN_STD_V3.3.4_build220310 ACS_343_F1pro_EN_NEU_V3.3.4_build220310
	SDK	Latest baseline version
	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 Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	Firmware Version	ACS_343_F1pro_EN_STD_V3.3.4_build220210 ACS_343_F1pro_EN_NEU_V3.3.4_build220210
	SDK	Latest baseline version
	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

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

Modified Features

- 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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DS-K1T343MFX, DS-K1T343MFWX 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 Naming Rule: M for M1 card, F for fingerprint, W for Wi-Fi	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
	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 ≥ 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

Activate Device

Enter 8 to 16 characters.

Enter Password

Confirm Password

Confirm Password

Enter 8 to 16 characters (Two or more of the following character types are allowed: digit, letter, and symbol.)

Activate

Select Language

English ✓

日本語

한국어

Next

Select Application Mode

Indoor ✓

Others

Next

Select Network

Wired Network ✓

Wi-Fi

Disconnect the wired Network before connecting a Wi-Fi.

Skip Next

Access to Hik-Connect

Skip

Access to Hik-Connect ☒

litedev.hik-connect.com

Verification Code

Previous Next

Privacy

Select All ☐

Upload Pic. When Auth. ☐

Save Pic. When Auth. ☐

Save Registered Pic. ☐

Next

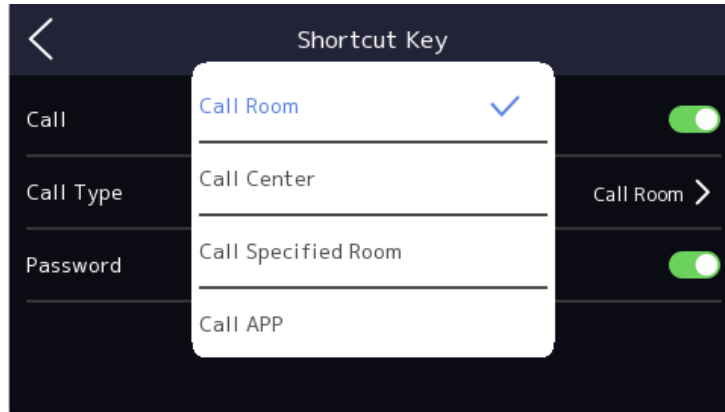
Add an administrator first.

Open Hik-Connect and Scan QR

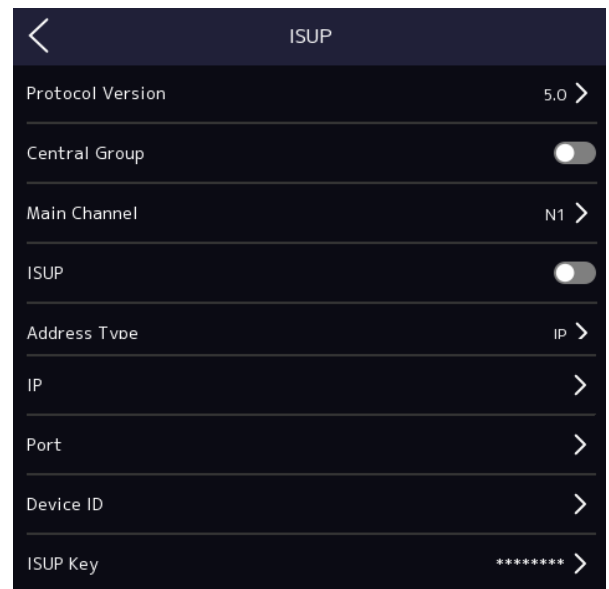
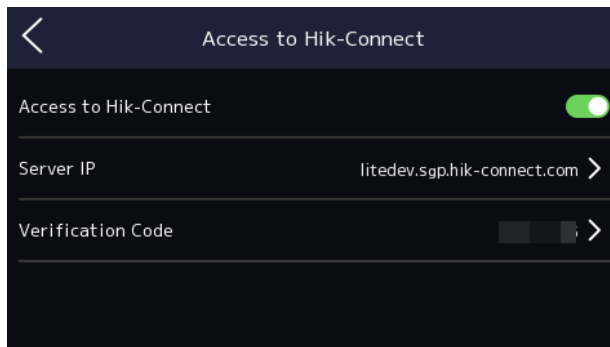
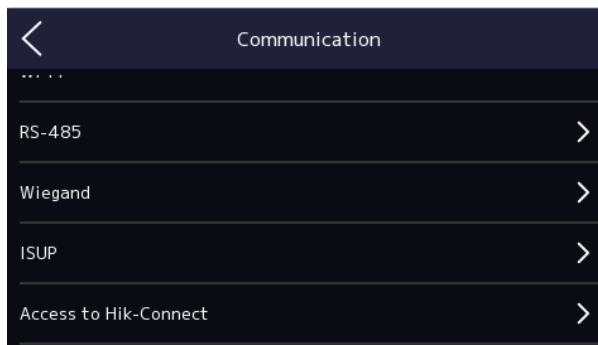
Operate Remotely via APP

Back OK

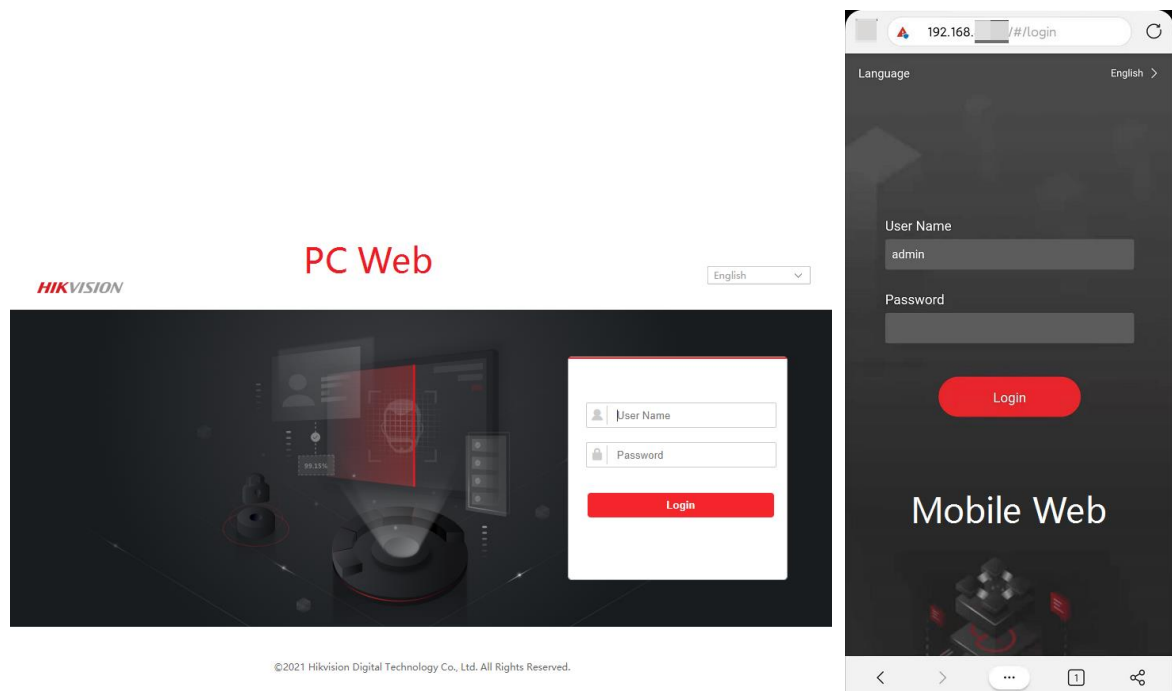
10. Self-defined shortcut key (Call Room, Call Center, Call Specified Room, Call App and Password) on main interface;



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)



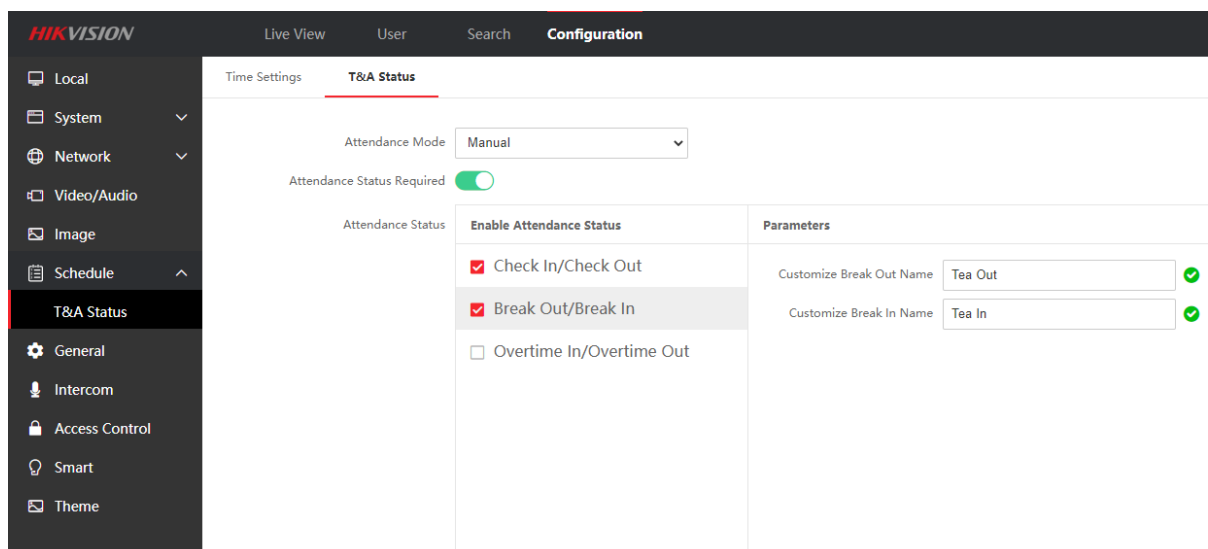
13. Self-defined voice prompt (TTS function, English only) and screen display info (user ID, name and face picture) for authentication;

14. Network

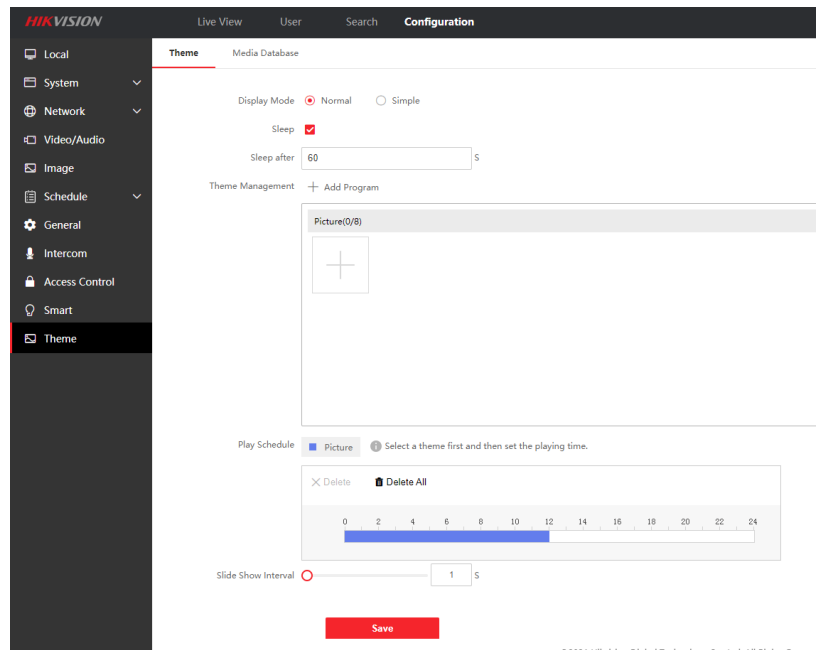
Support TCP/IP, adapt to LAN(network) or WAN(ISUP 5.0) network environment

15. Function

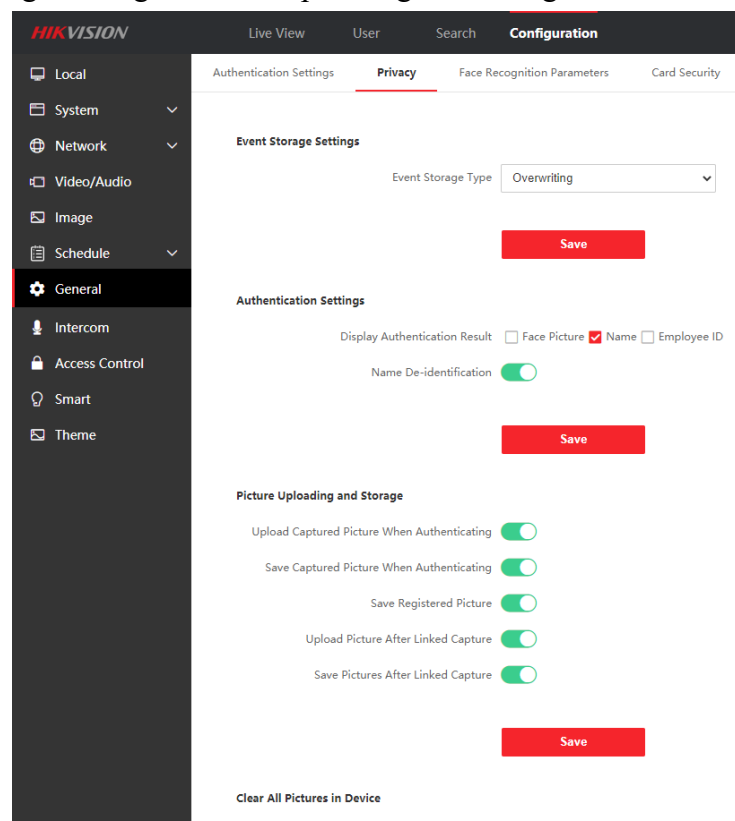
- a. Support face mask recognition.
- b. **Video intercom** with indoor station, master station and platform;
- c. Multiple verification modes: Face, card, fingerprint(-F only), PIN code;
- d. Face recognition distance ranges from 0.3 to 1.5 meters;
- e. Support check in/check out/break out/break in/overtime in/overtime out attendance status, and self-define status name;



- 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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