



INDOOR MONITOR ADMIN GUIDE

Applicable Models: TC-5000MH-18B,
TC-5000MH-20H, TC-5000MH-20I, TC-5000MH-20G

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About This Manual

Thank you for choosing Taichuan TC-5000MH-18B, TC-5000MH-20H, TC-5000MH-20I,TC-5000MH-20G indoor monitor. This manual is intended for the administrators who need to properly configure the indoor monitor. This manual provides all the configurations for the functions and features of the TC-5000MH-18B, TC-5000MH-20H,TC-5000MH-20I,TC-5000MH-20G indoor monitor. Please visit the Taichuan website or consult technical support for any new information or the latest firmware.

Related Documentation

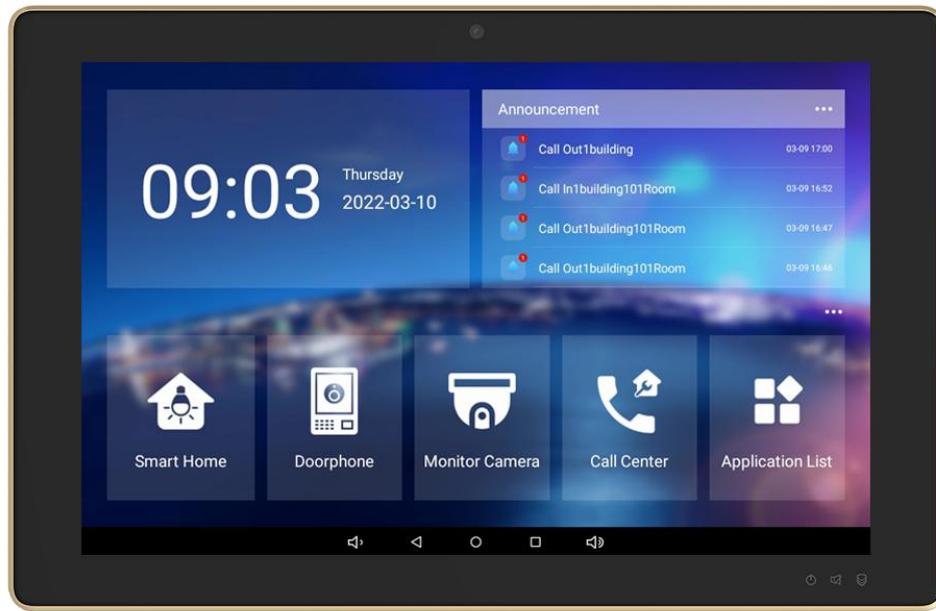
You are advised to refer to the related documents for more technical information via the link below: <http://Support-Zhuhai Taichuan Cloud Technology Co., LTD.>

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1. Product Overview



TC-5000MH-18B, TC-5000MH-20H, TC-5000MH-20I, TC-5000MH-20G are an Android based with a smooth touch-screen indoor monitor. It can be connected with Taichuan outdoor unit for audio/video communication, unlocking, and monitoring. Residents can communicate with visitors via audio/video call, and it supports unlocking the door remotely. It is more convenient and safer for residents to check the visitor's identity through its video preview function. TC-5000MH-18B, TC-5000MH-20H, TC-5000MH-20I, TC-5000MH-20G are often applied to scenarios such as villas, apartments, and buildings.



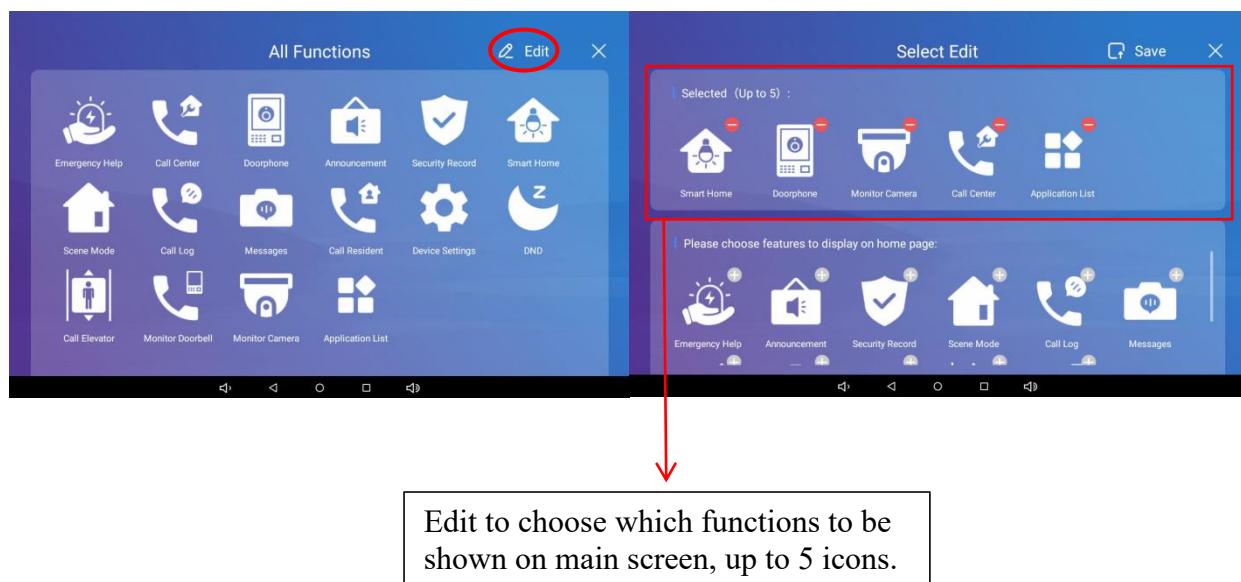
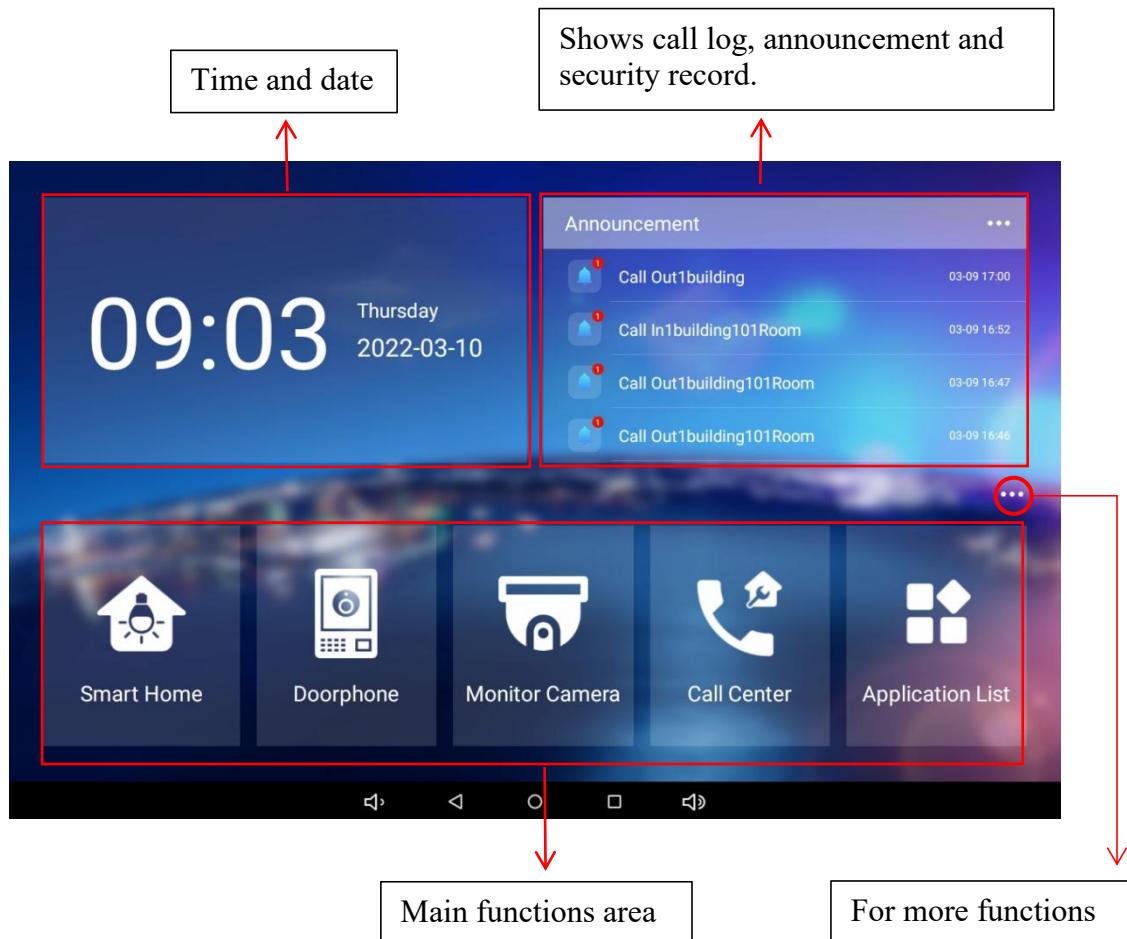
2. Model Difference

Model	TC-5000MH-20H	TC-5000MH-18B	TC-5000MH-20G	TC-5000MH-20I
Image				
Housing Material	Alu.+ABS	ABS	Alu.+ABS	Alu.+ABS
OS	Android 6.0	Android 6.0	Android 6.0	Android 6.0
Display	7 Inch IPS LCD	10 Inch IPS LCD	10 Inch IPS LCD	10 Inch IPS LCD
Resolution	1280*800	1280*800	1280*800	1280*800
Wi-Fi	IEEE802.11 b/g/n	IEEE802.11 b/g/n	IEEE802.11 b/g/n	IEEE802.11 b/g/n
Ethernet	1xRJ45, 10/100Mbps adaptive	1xRJ45, 10/100Mbps adaptive	1xRJ45, 10/100Mbps adaptive	1xRJ45, 10/100Mbps adaptive
Power Supply	12V DC connector	12V DC connector	12V DC connector	12V DC connector
POE	/	802.3af/at Power-over Ethernet	/	/
Alarm Input	8CH	8CH	8CH	8CH
Relay Output	1	1	1	1
RS485	1	1	1	1
Installation	Wall mounting	Wall mounting	Wall mounting	Wall mounting
Operation Temperature	-10°C~ +55°C	-10°C~ +55°C	-10°C~ +55°C	-10°C~ +55°C
Operation Humidity	10~90%	10~90%	10~90%	10~90%
Dimensions (W x H x D)	181x130x15 MM	259x167x15 MM	248x177x15 MM	247x155x12 MM



3. Access the Device

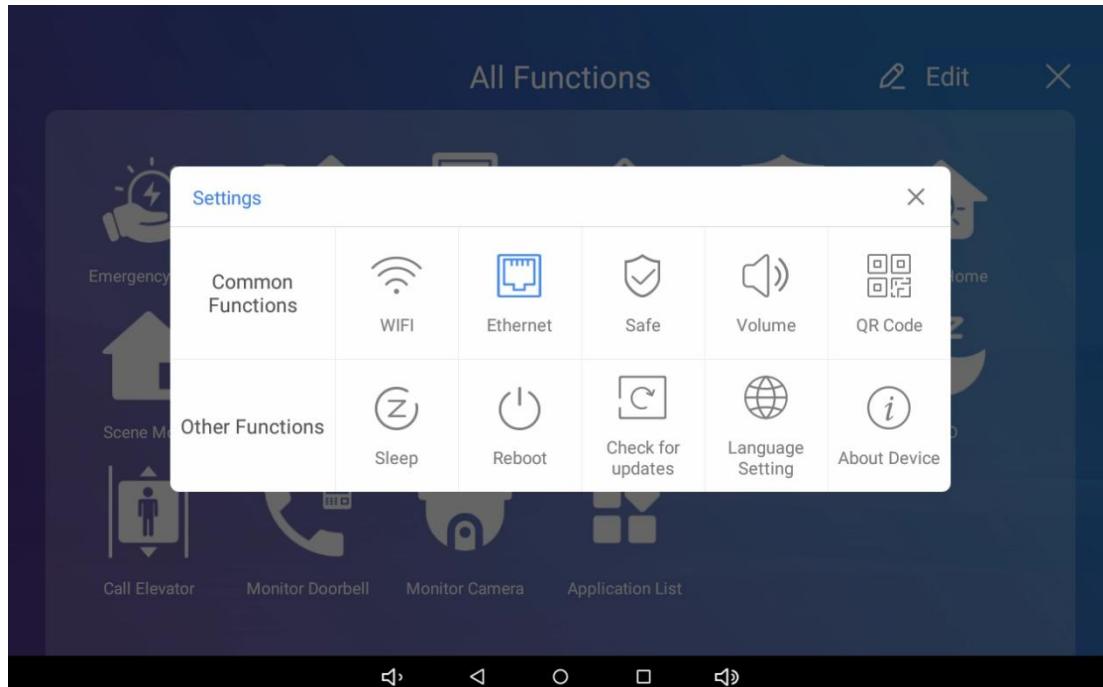
When you plug on power the device will boot up automatically .





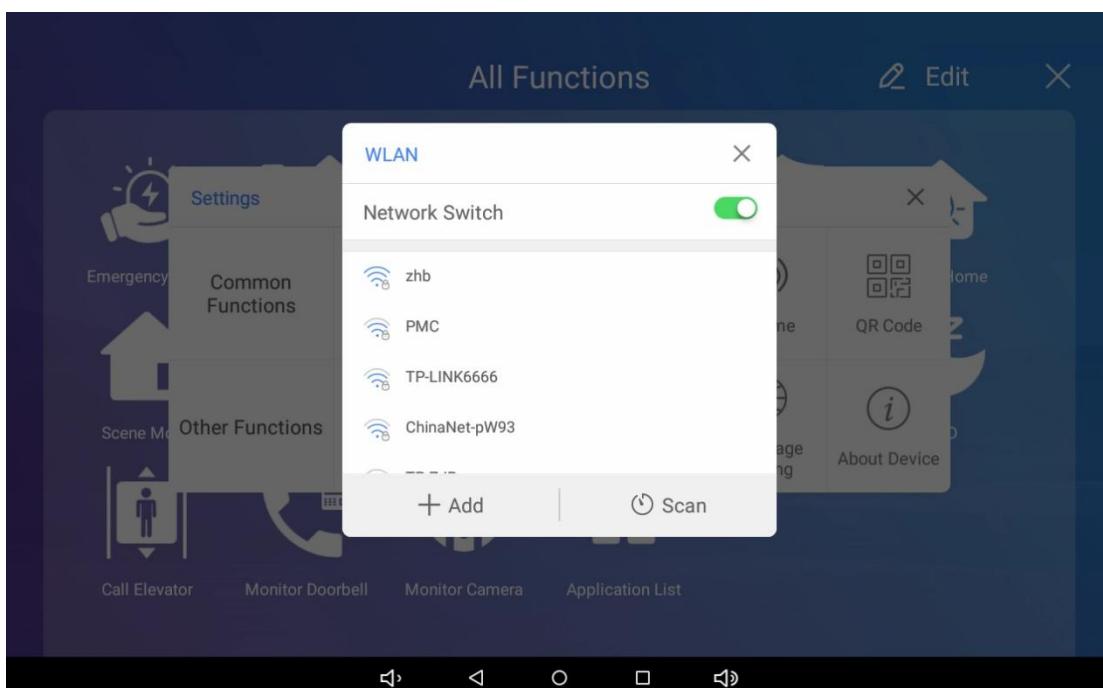
4. Basic Settings

You can access the device settings where you can configure different types of functions as needed. To access the device settings **All Functions > Device Settings**.



4.1. WiFi Network Setting

Taichuan indoor monitor can connect to WiFi network for mobile app remote control, cloud talk and home automation. To access WiFi connection, open WLAN switch, choose available WiFi network, enter password and access.



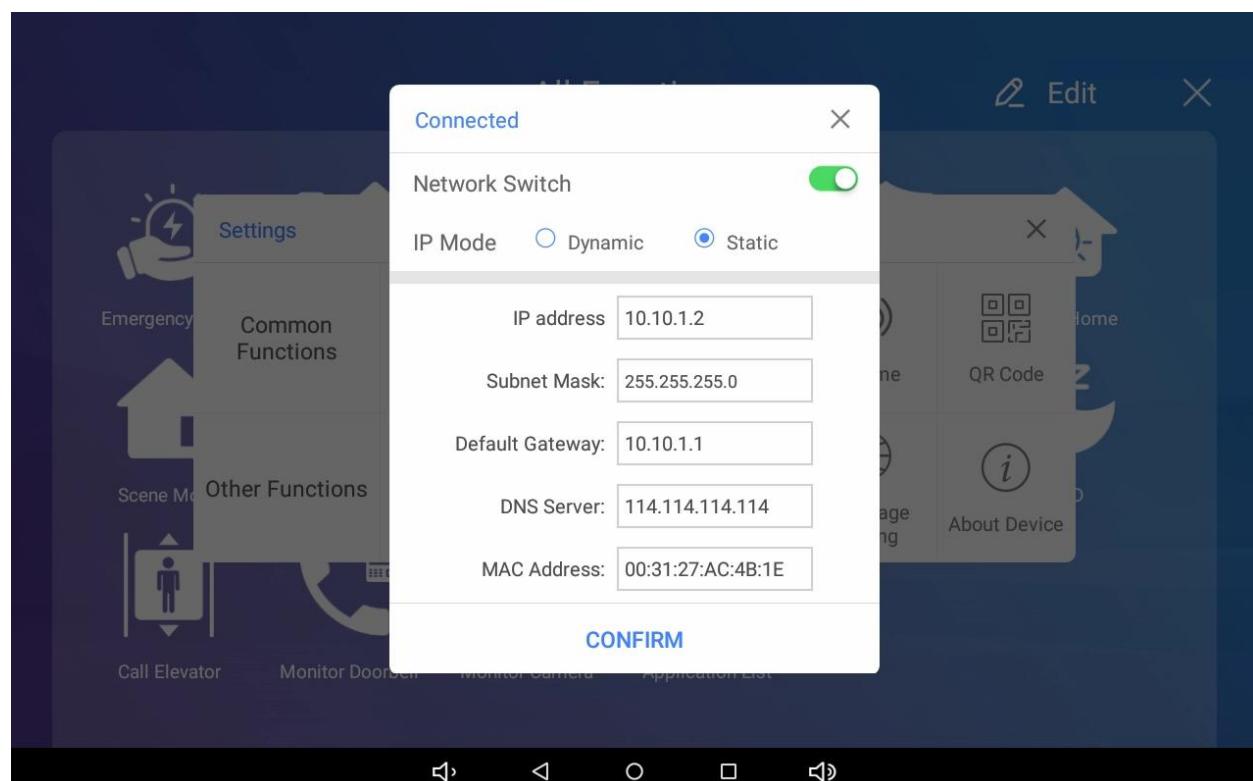


4.2. Ethernet Setting

Ethernet is for intercom network only. When you access to Ethernet, the IP data will show here.

Parameter Set-up:

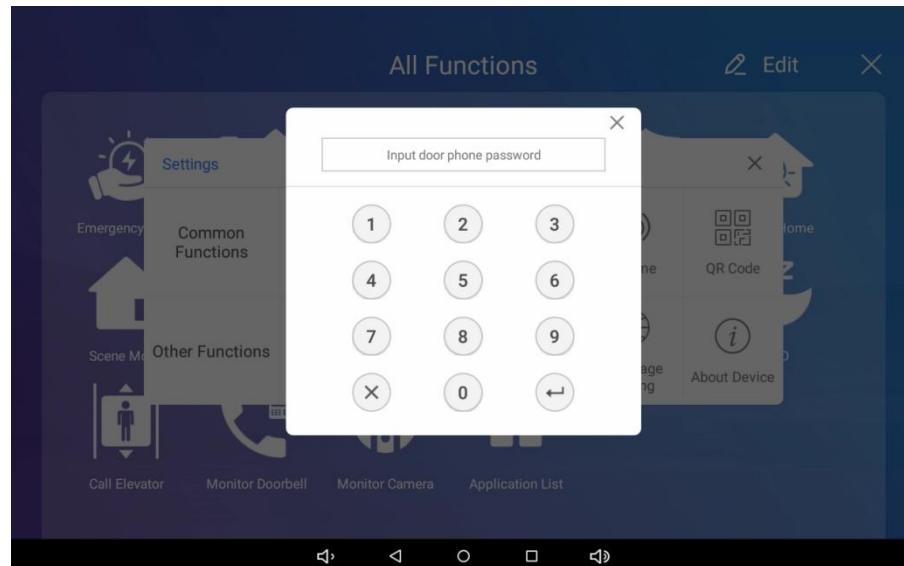
- **Static IP:** select the static IP mode by ticking the static check box. When static IP mode is selected, then the IP address, subnet mask, default gateway, and DNS servers address have to be manually configured according to your actual network environment.
- **IP Address:** set up the IP Address if the static IP mode is selected.
- **Subnet Mask:** set up the subnet Mask according to your actual network environment.
- **Default Gateway:** set up the correct gateway default gateway according to the IP address of the default gateway.
- **DNS server:** set up preferred or alternate DNS Server (Domain Name Server)according to your actual network environment. Preferred DNS server is the primary DNS server address while the alternate DNS server is the secondary server address and the door phone will connects to the alternate server when the primary DNS server is unavailable .





4.3. Safety Password Setting.

You can modify outdoor panel disarm password on safety setting. The default password is 1234.

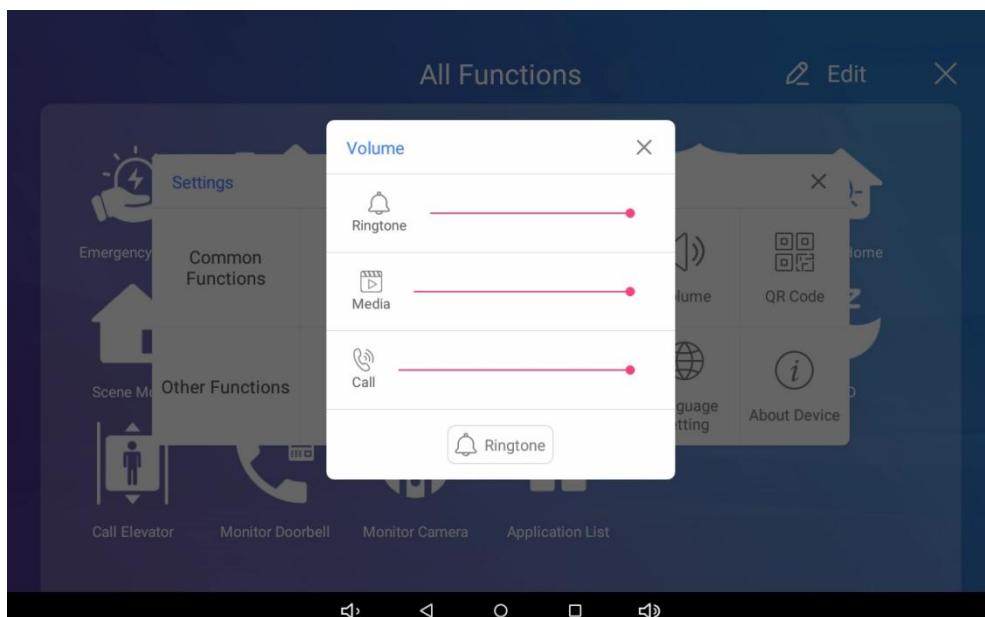


4.4. Volume and Ringtone Setting

Taichuan indoor monitors provide you with various types of ringtone and volume configuration ranging from ring volume, media volume and call volume.

Parameter Set-up:

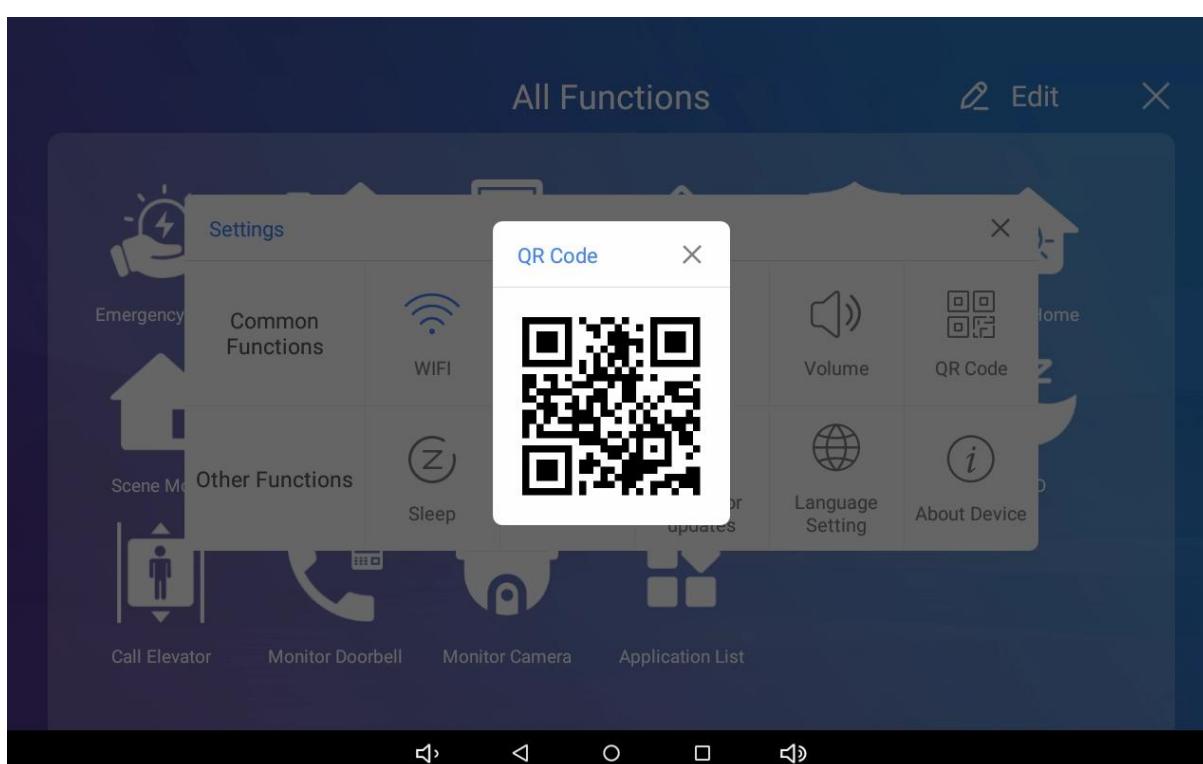
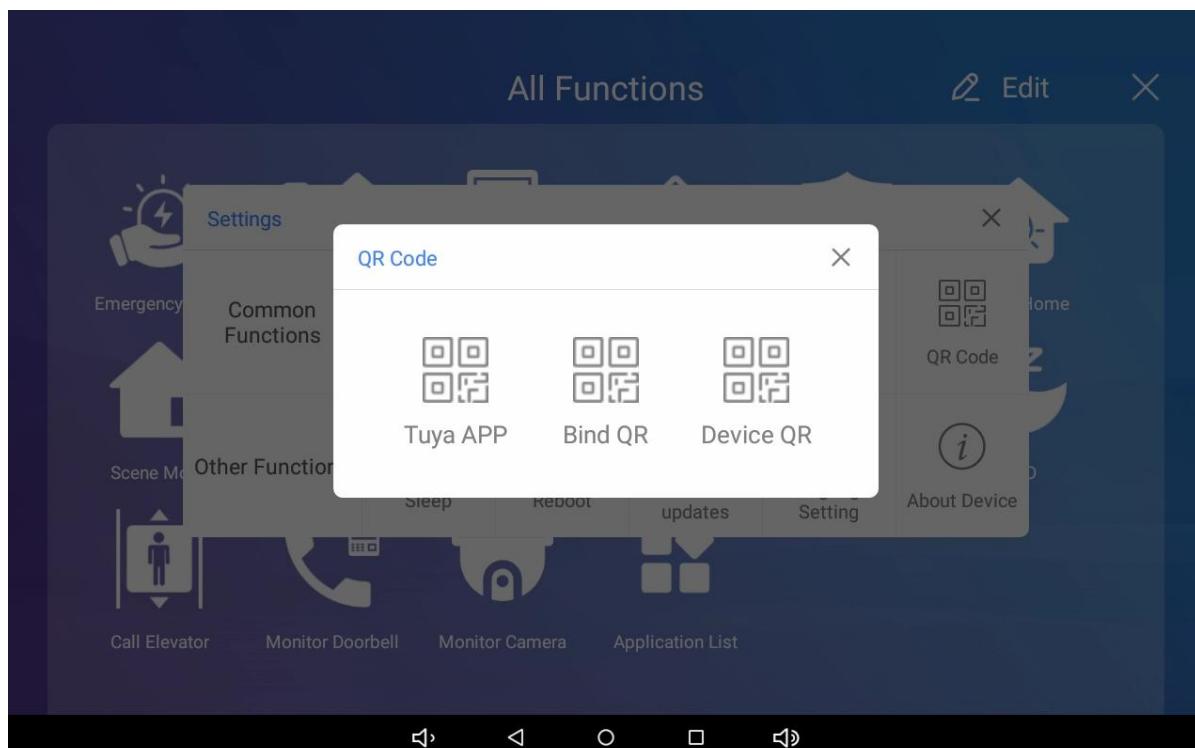
- Ring Volume:** adjust the incoming call ringtone volume.
- Media Volume:** adjust the media volume.
- Call Volume:** adjust the speaker volume during the call.
- Ringtone:** select ringtone for incoming calls.





4.5. QR Code

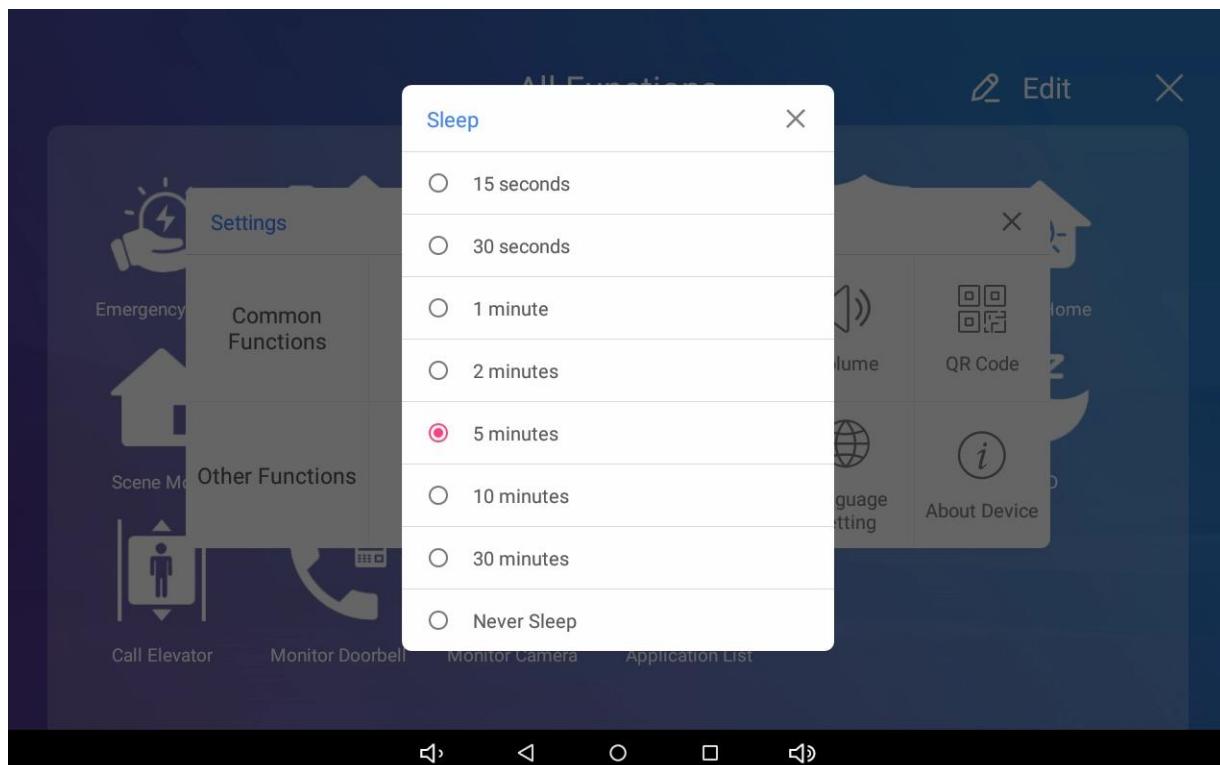
- **App:** scan to download Tuya Smart Life App.
- **Binding:** to bind the device to Tuya app for cloud talk and remote control.
- **Device:** is the code for the device.





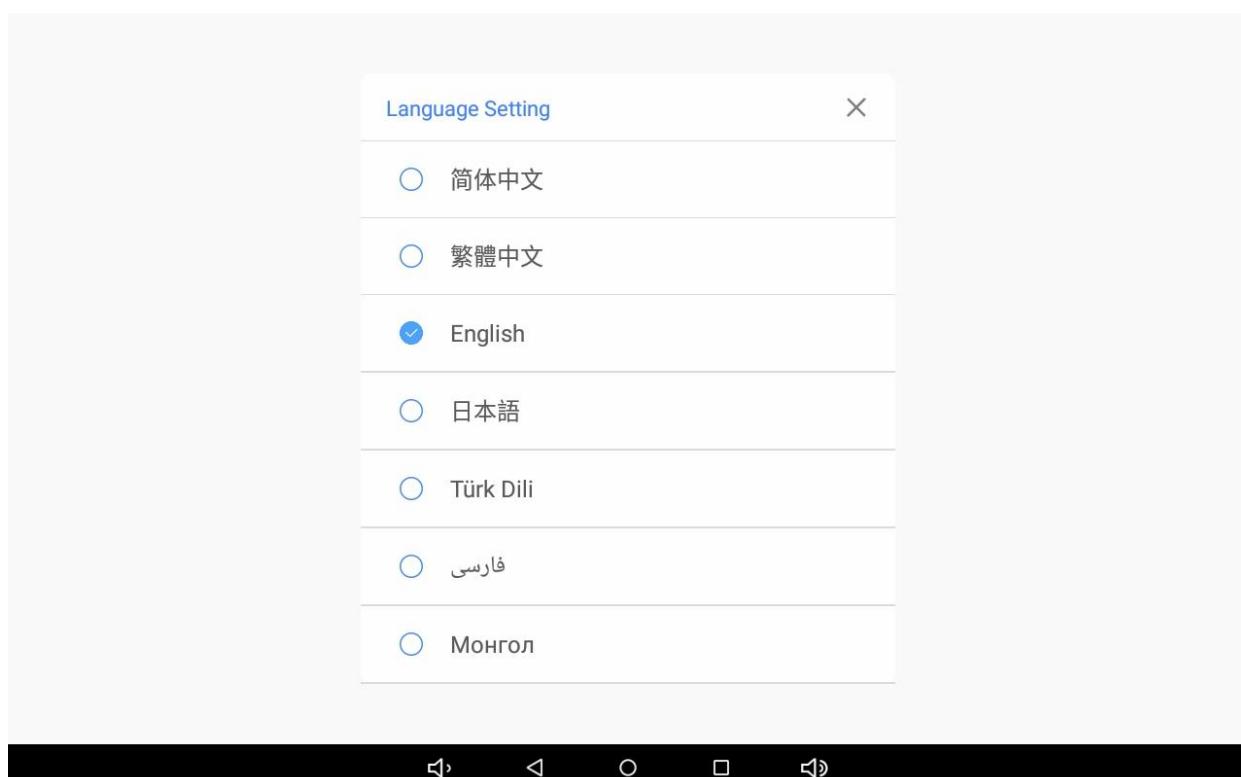
4.6. Dormant Setting

You can set the sleep time from 15 seconds to 30 minutes or never sleep .



4.7. Language Setting

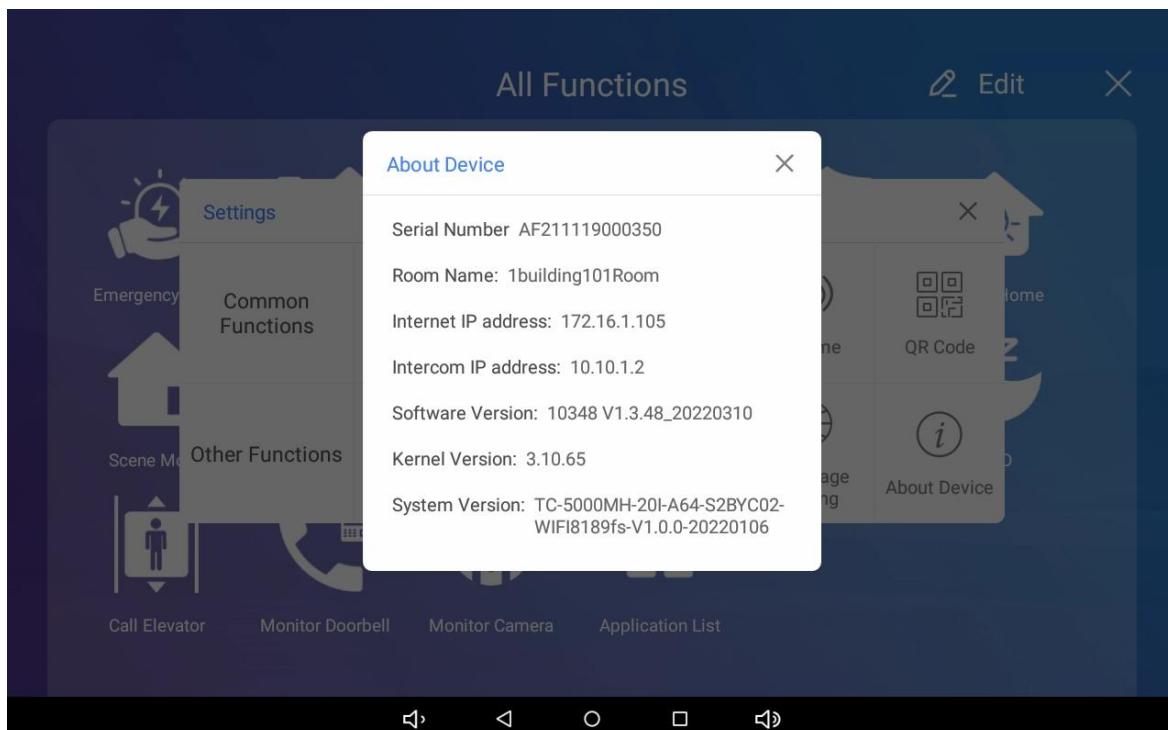
You can set or change the language for screen display from **Basic Settings > Language set**.





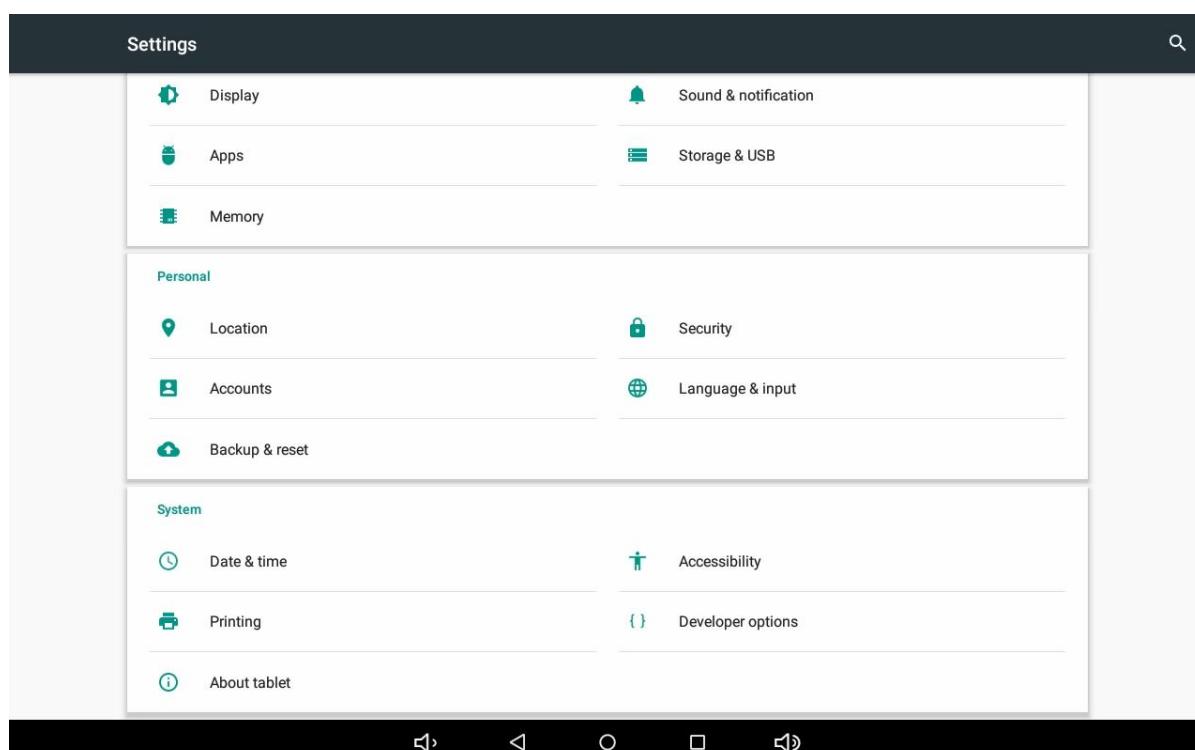
4.8. Equipment Information

Find out more equipment information on **About equipment**.



5. System Settings

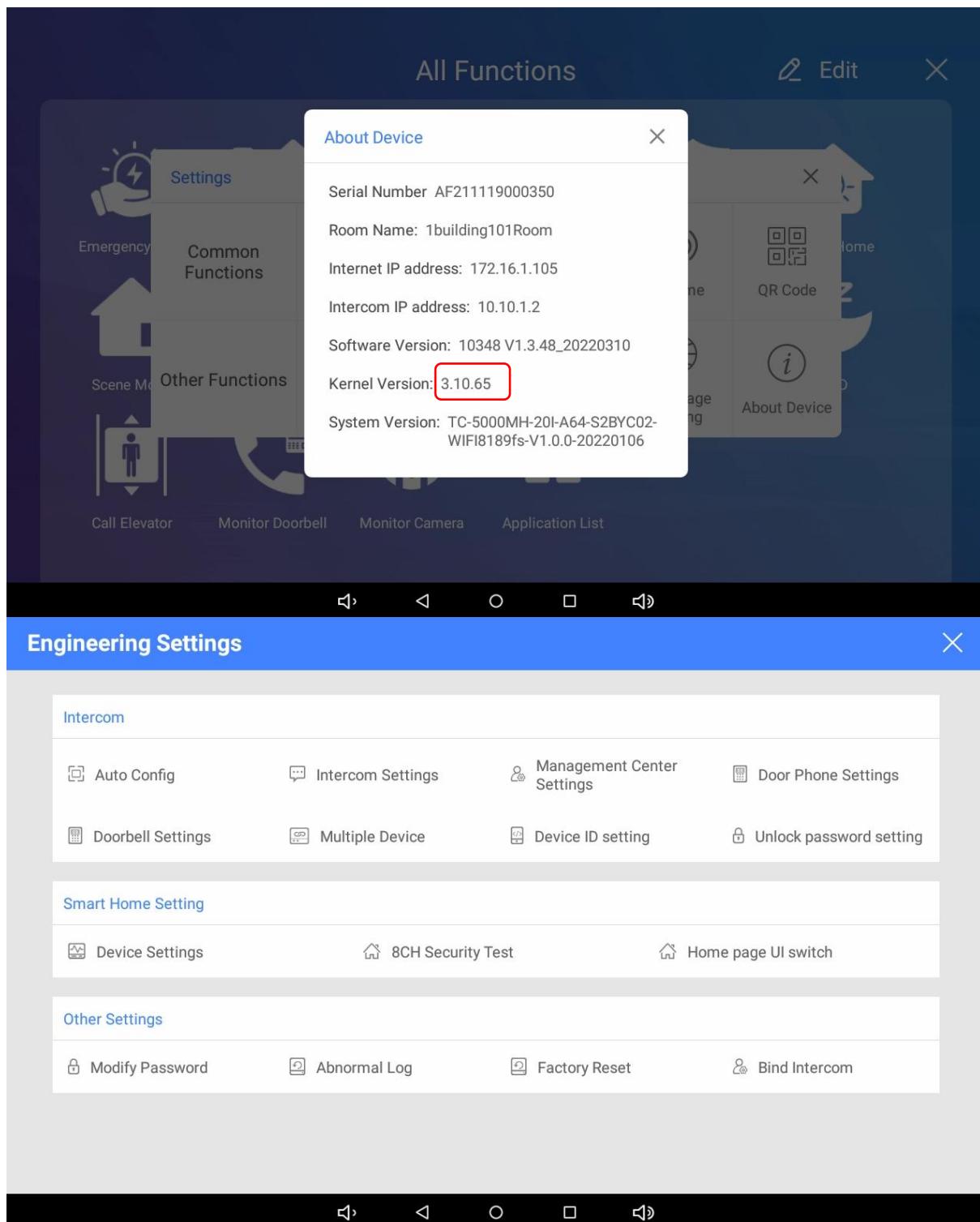
To access system settings of Android OS, go to **Application List > Settings**. Here is the universal settings of Android tablet, not means all the functions can work on the device. For the setting of intercom, please go to **Basic Settings**.





6. Engineering Settings

You can access to advanced settings for more configuration of video intercom settings, smart home settings and other settings on device **Settings > About equipment**, quick tap **Kernel version** 3 times, enter password, the default password is **123456**.

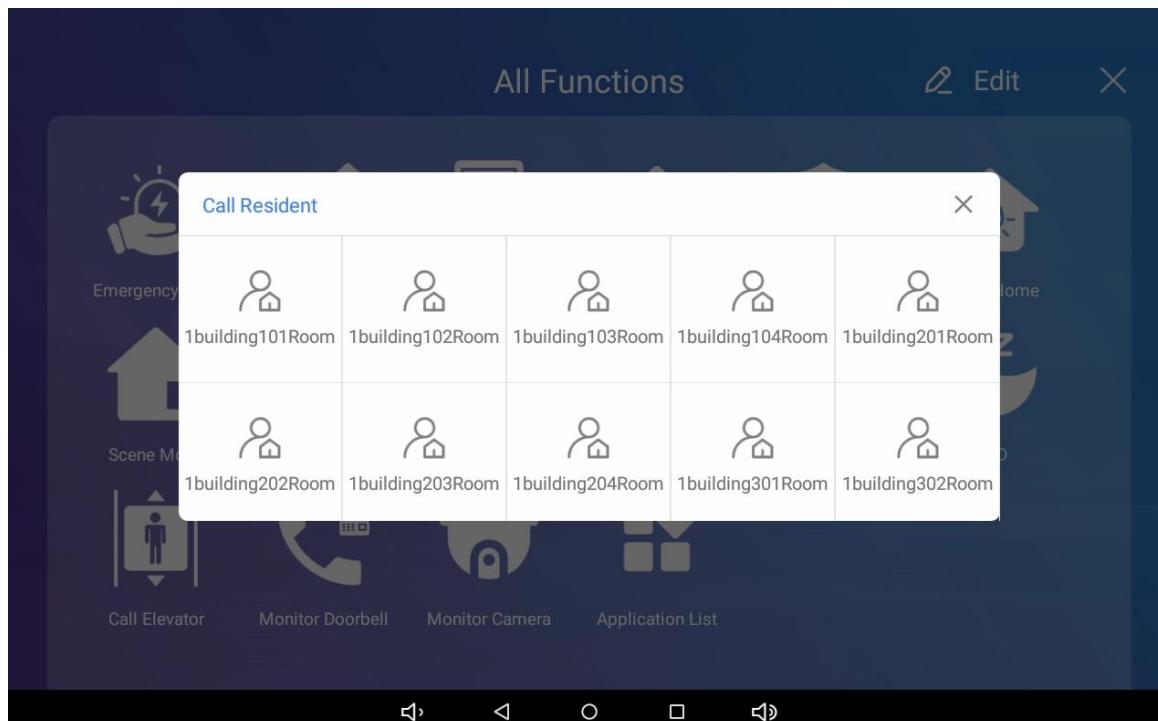




7. Video Intercom

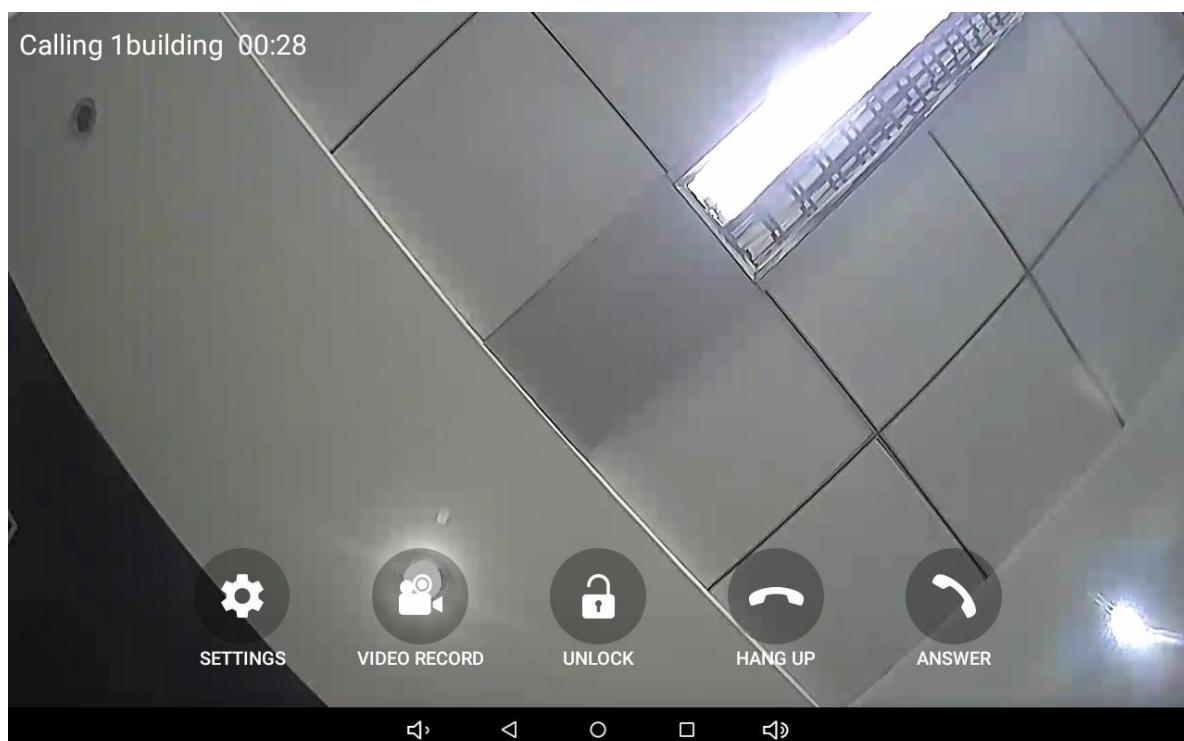
7.1. Call Resident

To call slave monitor or other resident on device **Call resident**, choose the wanted room to call.



7.2. Monitor Door Phone

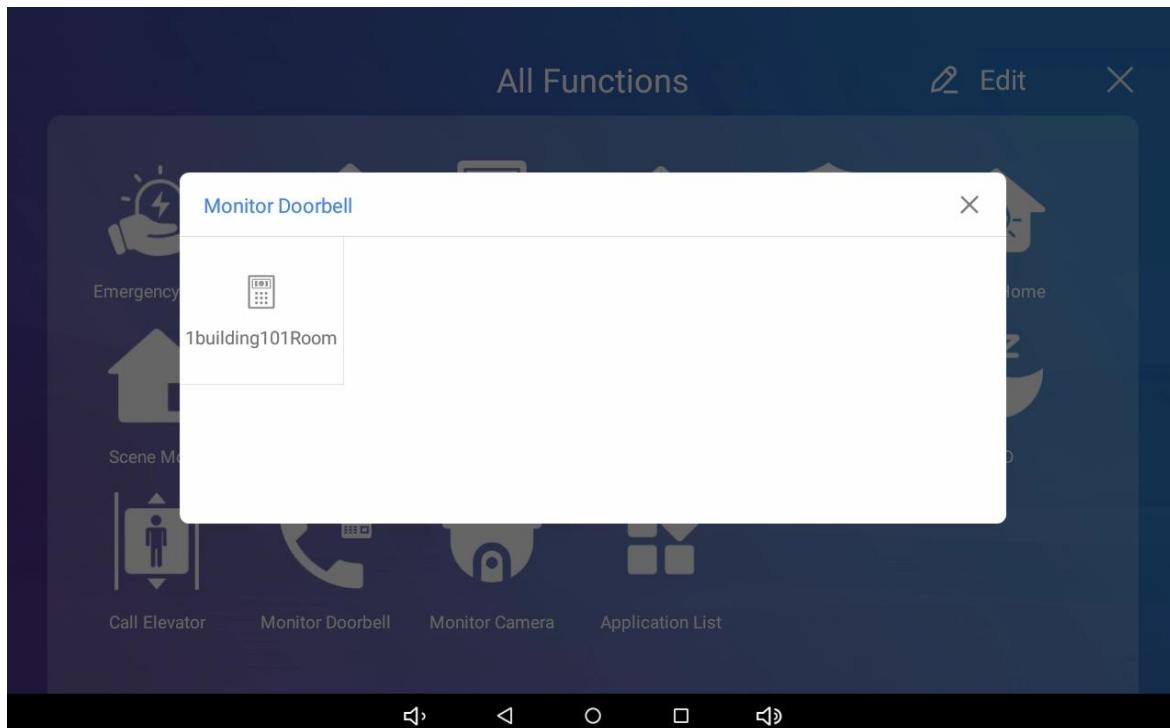
To monitor outdoor panel on device **Doorphone**, choose the wanted door phone to monitor. (30s)





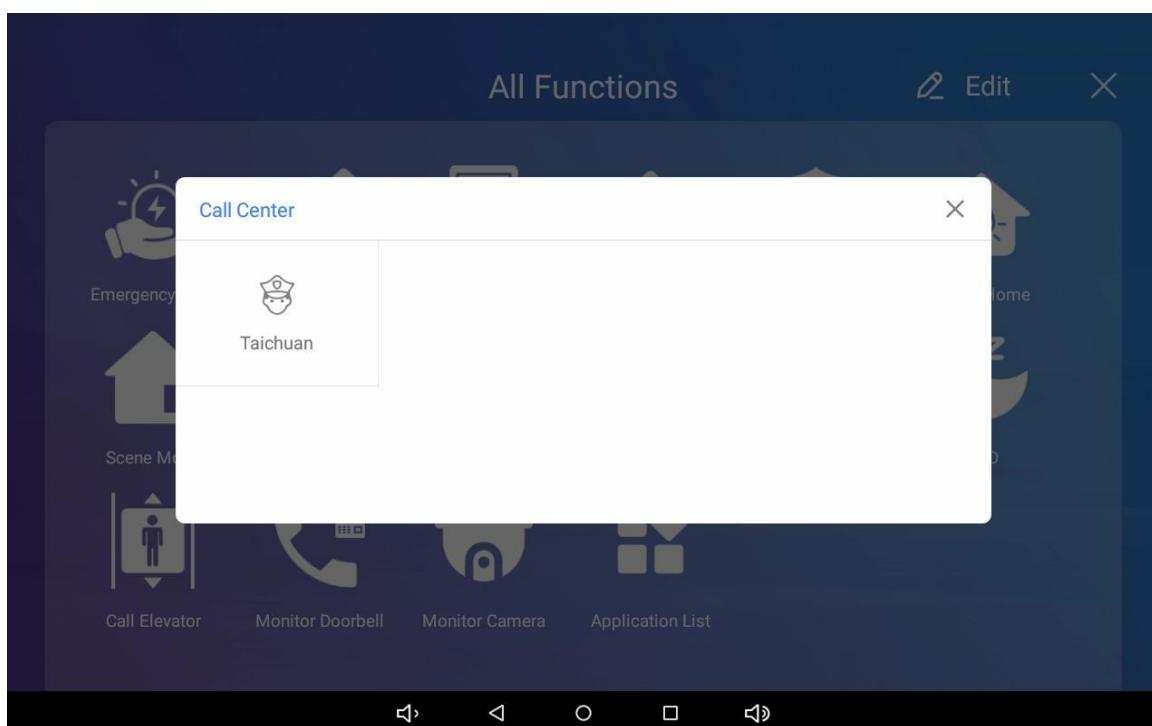
7.3. Monitor Doorbell

To monitor doorbell on device **Monitor Doorbell**.



7.4. Call Management Center

To call bobby man or management center on device **Call Center**.





7.5. Announcement

You can push announcement on **Management Center**. The pushed messages will show on main screen.

The screenshot shows the 'Announcement / Announcement list' page. On the left, there is a sidebar with various management options like Basic data, Equipment manage, User management, Announcement, Announcement list, Release record, Log management, and System tools. The 'Announcement list' option is selected. In the center, there is a search bar with 'title' and 'Notice' filters, and a button 'Q Inquire'. Below the search bar is a modal window titled 'Add' with fields for 'SN' (1), 'title' (New UI), and 'Notice' (Please enter the notice content). At the bottom of the modal are 'Cancel' and 'Determine' buttons. To the right of the modal, there is a table with one row showing 'Operating' status. At the top right of the page, there is a user icon labeled 'admin'.

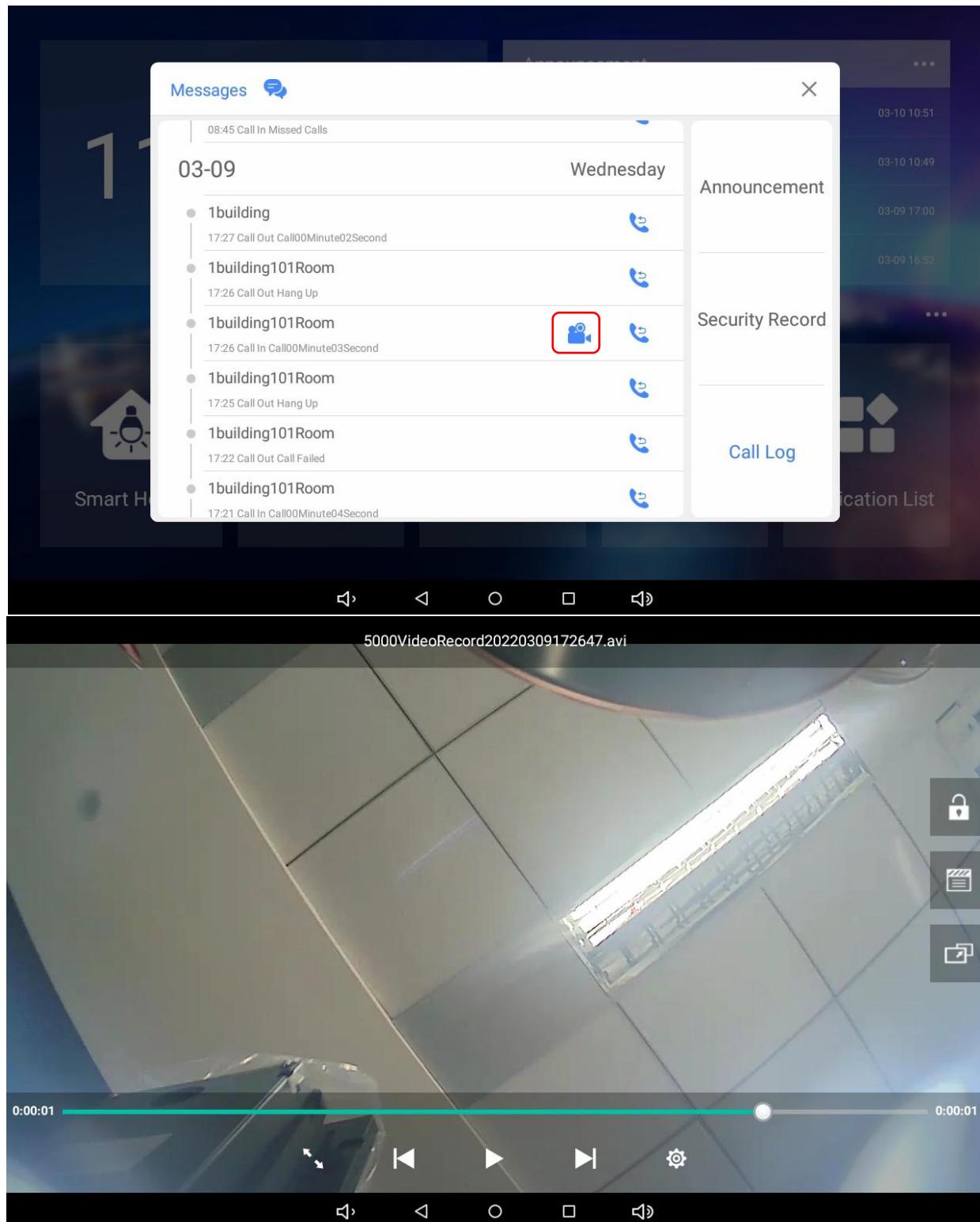
The screenshot shows the main interface of the Management Center. A 'Messages' notification is displayed at the top, indicating a new message on 03-10 at 08:43:59. The message content is 'New UI'. To the right of the message, there is a vertical sidebar with icons for 'Announcement', 'Security Record', and 'Call Log'. The background shows a blurred view of the system's interface.

The screenshot shows the main interface of the Management Center. A 'Messages' notification is displayed at the top, indicating a new message on 03-10 at 08:43:59. The message content is 'New UI'. Below the message, there is a detailed 'Announcement Details' box with the text 'We are happy to introduce our New UI for monitors.' To the right of the message, there is a vertical sidebar with icons for 'Announcement', 'Security Record', and 'Call Log'. The background shows a blurred view of the system's interface.



7.6. Call Log

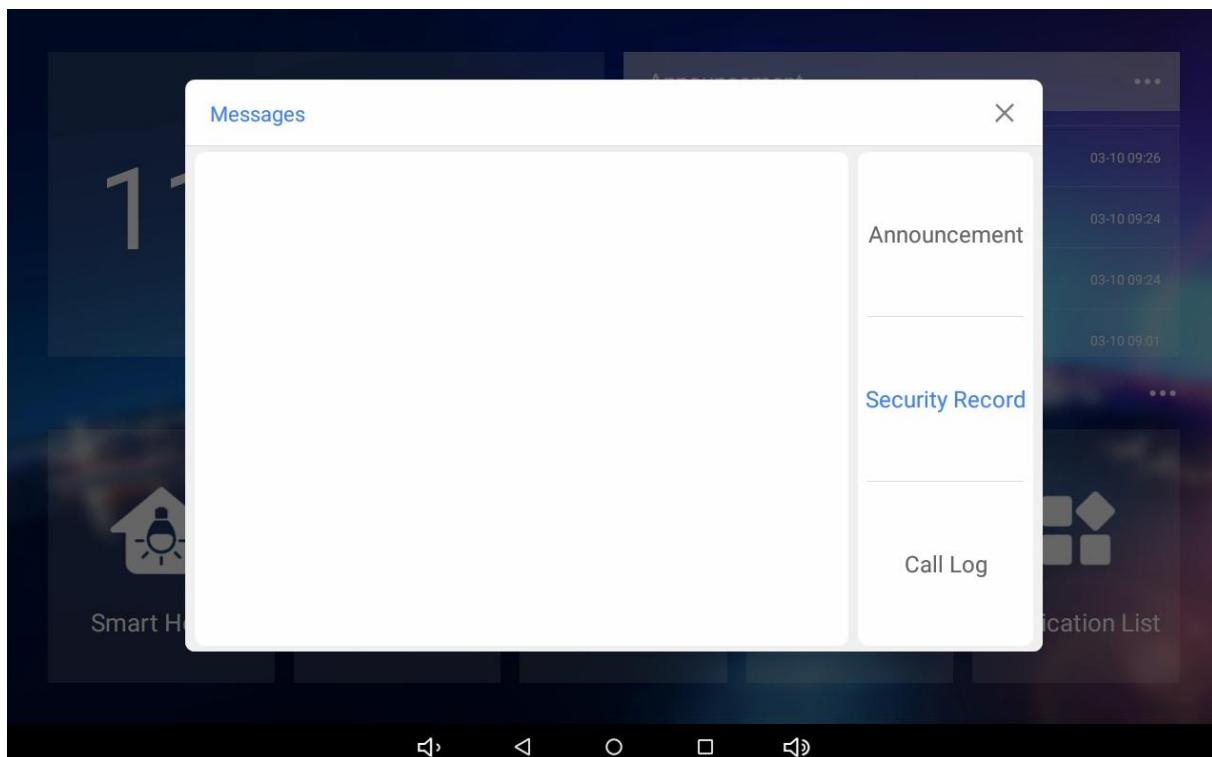
You can check call history on **Call Log**. Press the camera button can check the record video.





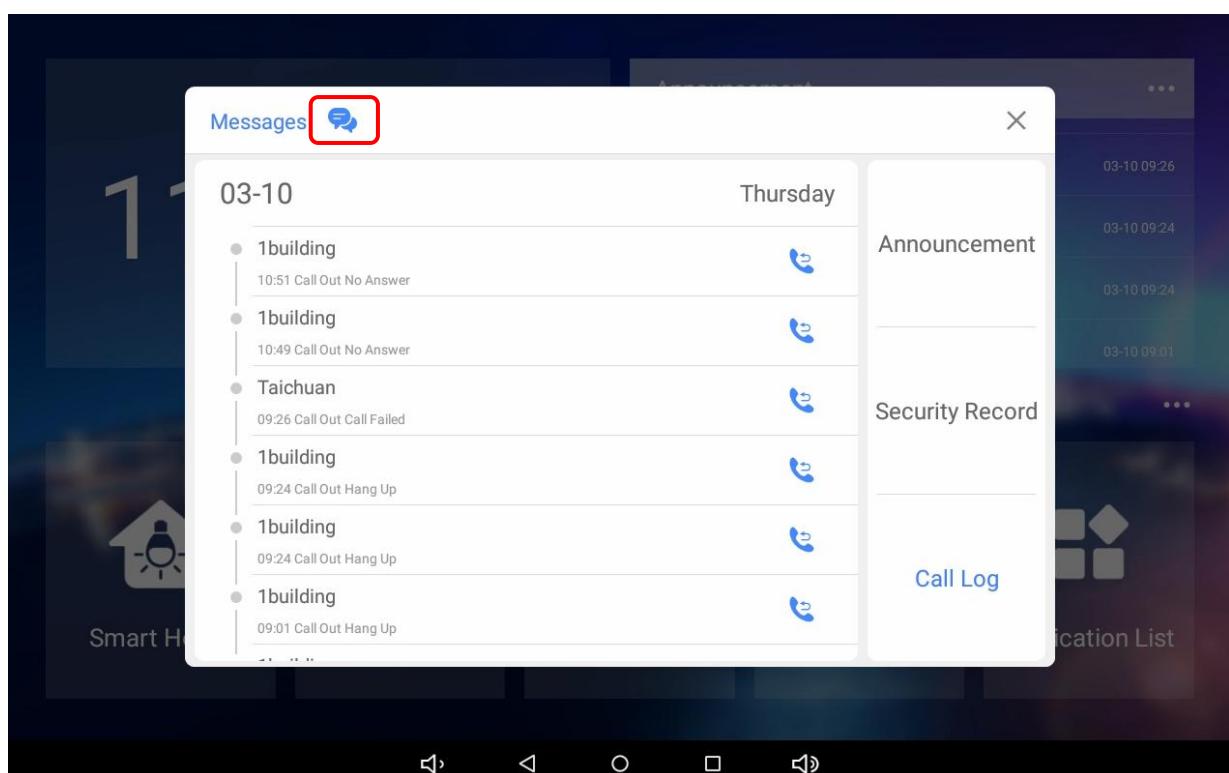
7.7. Security Record

Security record shows 8 channels wired security alarms.



7.8. Message

You can check messages leaving from outdoor panels by pressing message icon.



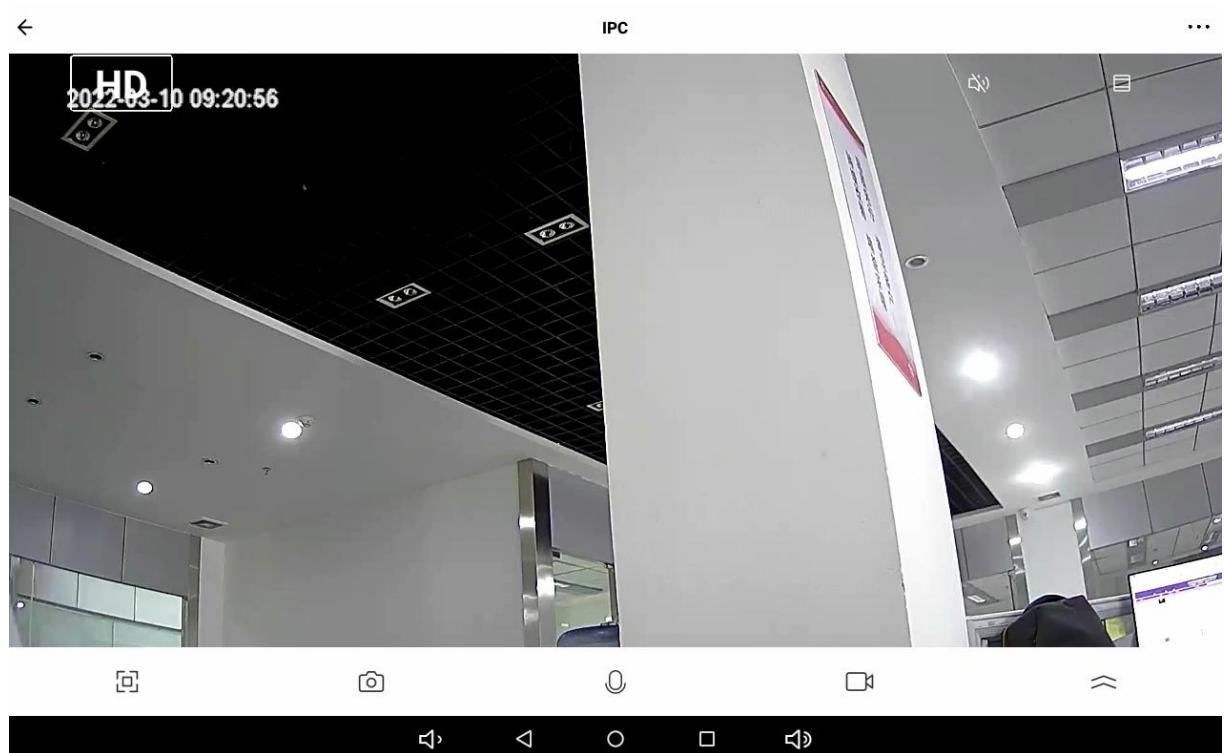
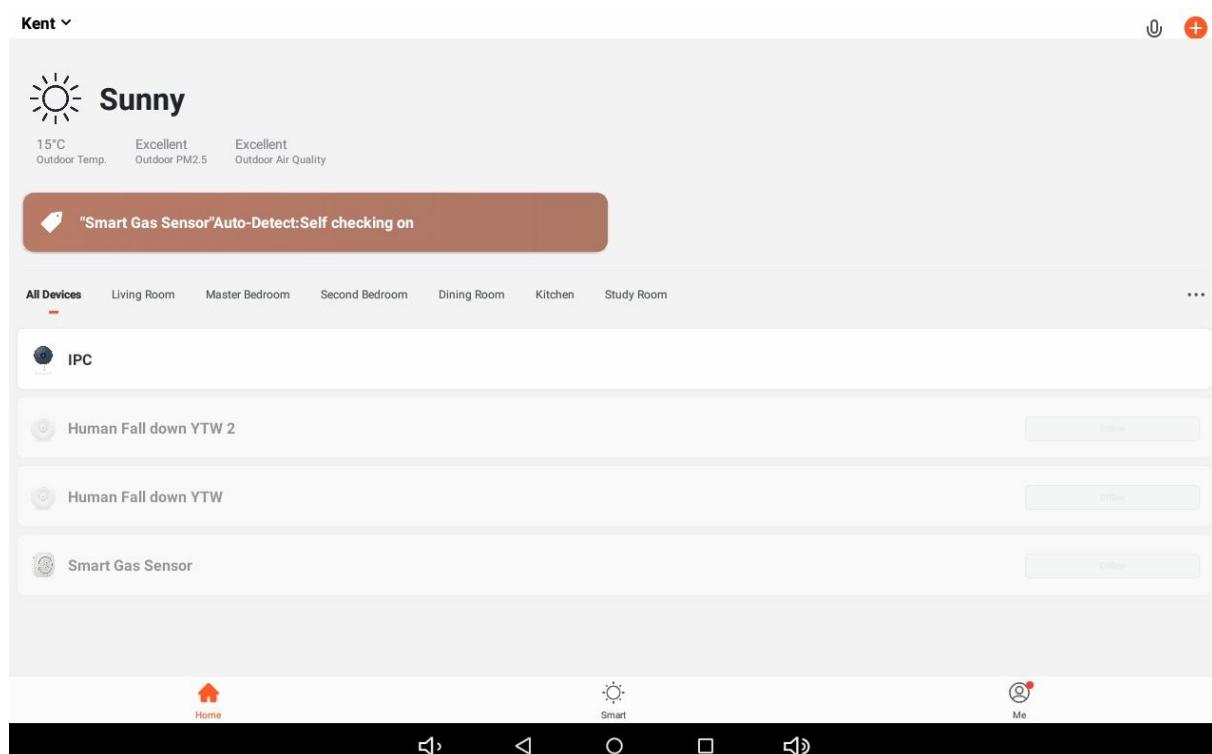


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8. Smart Home

Taichuan monitors inbuilt Tuya smart home app to manage your smart home devices. The **Smart Home** icon can be customized to your own app.





9. Add Camera

Taichuan monitors support third-party cameras, to add camera on device **Monitor Camera**, find **ADD CAMERA**, choose HK、DH (Hik,Dahua), input relative information and save.

Note:

Dahua default account:admin password: **abcd123456** or **12345678** device port: **554**(RTSP)

HIKvision default account:admin password: **hw12345678** device port: **2800**(Service)

The screenshot displays the process of adding a Dahua camera to a Taichuan monitor. It shows two overlapping windows: a 'Select Camera' dialog and an 'add camera' configuration window. In the 'Select Camera' dialog, the 'Dahua HIKVision' option is highlighted with a red box. The 'add camera' window contains fields for Device name, Device type (set to DAHUA), Room (set to hall), IP address, Device port, Device account, and Device password. Below these fields is a 'SAVE' button. At the bottom of the screen, a taskbar shows the IP address 192.168.30.100. Red arrows point from the 'IP address' field in the configuration window to the 'IP address' field in the Dahua camera settings, and from the 'Device port' field in the configuration window to the 'RTSP端口' field in the Dahua camera settings. The Dahua camera settings window shows various port configurations: Maximum connections (10), TCP port (37777), UDP port (37778), HTTP port (80), RTSP port (554), and HTTPS port (443). Buttons at the bottom of this window include '默认' (Default), '刷新' (Refresh), and '确定' (Confirm).

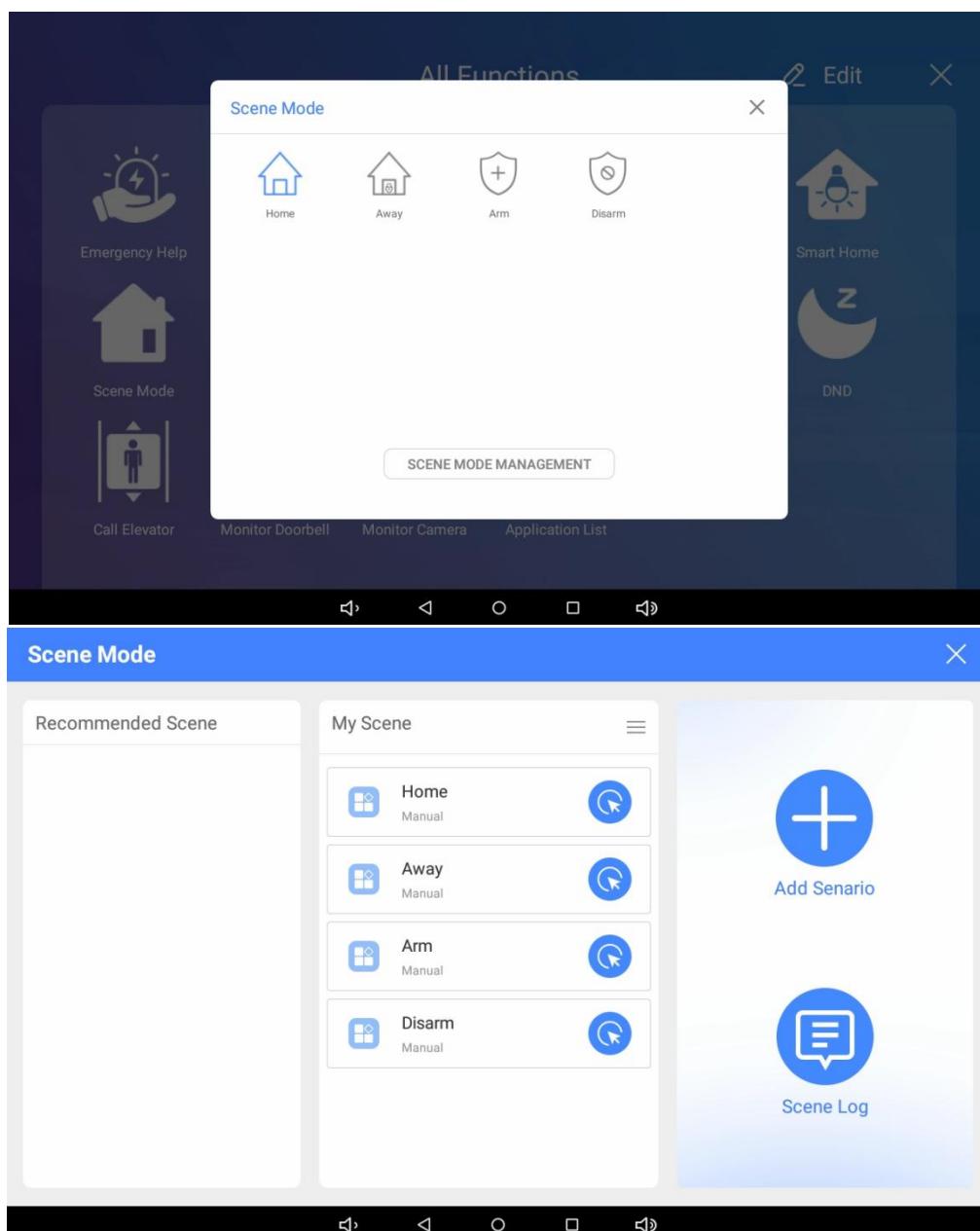


10. Scenario Setting

Taichuan monitors support smart home leakage, you can set different scenarios per your need on **Scene Mode**.

Parameter :

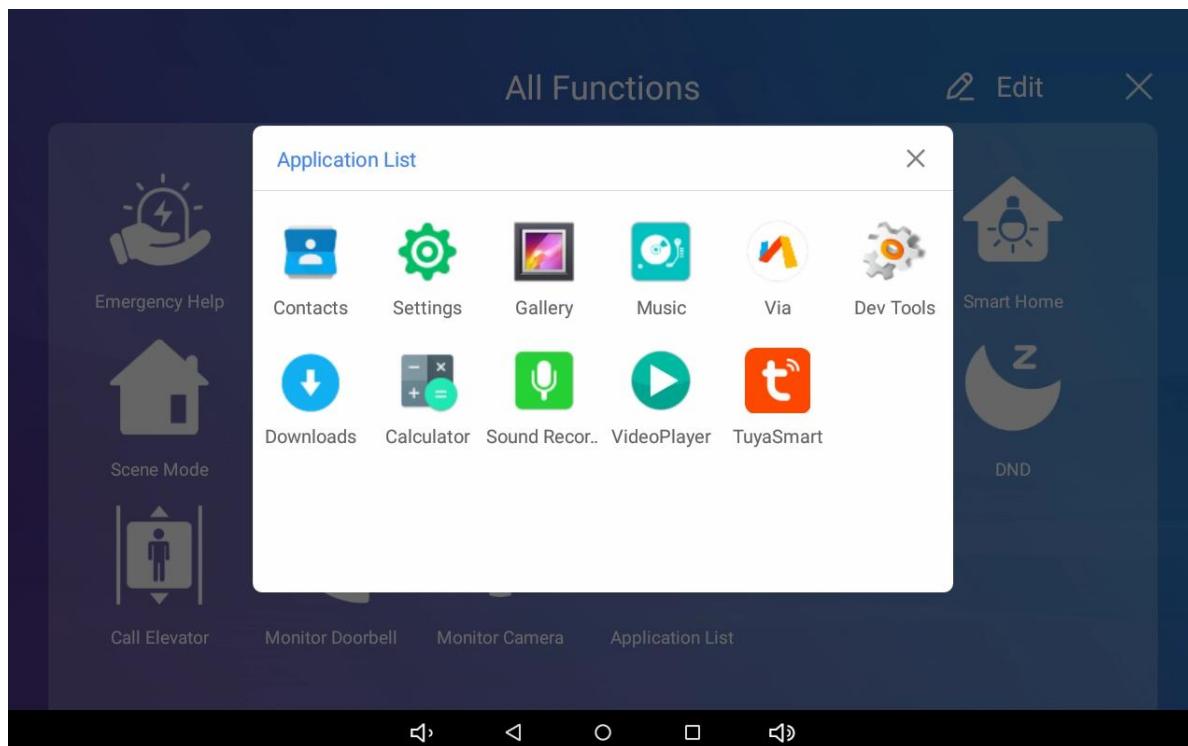
- **Back home:** when trigger back home mode, the preset devices will open.
- **Out home:** when trigger out home mode, the preset devices will close.
- **Deployment:** set the scenarios.
- **Disarming:** disarm the triggered alarms or sensors.
- **Scene mode management:** you can add or delete the scene mode





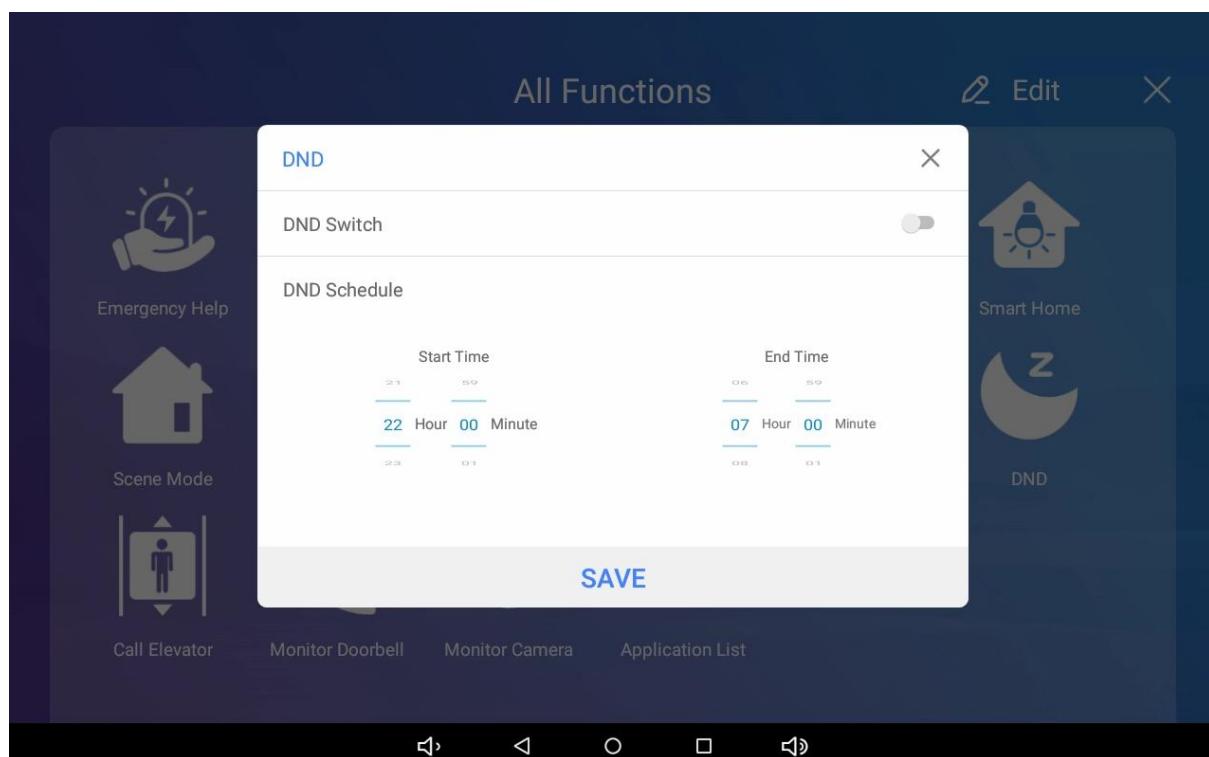
11. Application List

The apps you installed will show on **Application List**.



12. Do Not Disturb

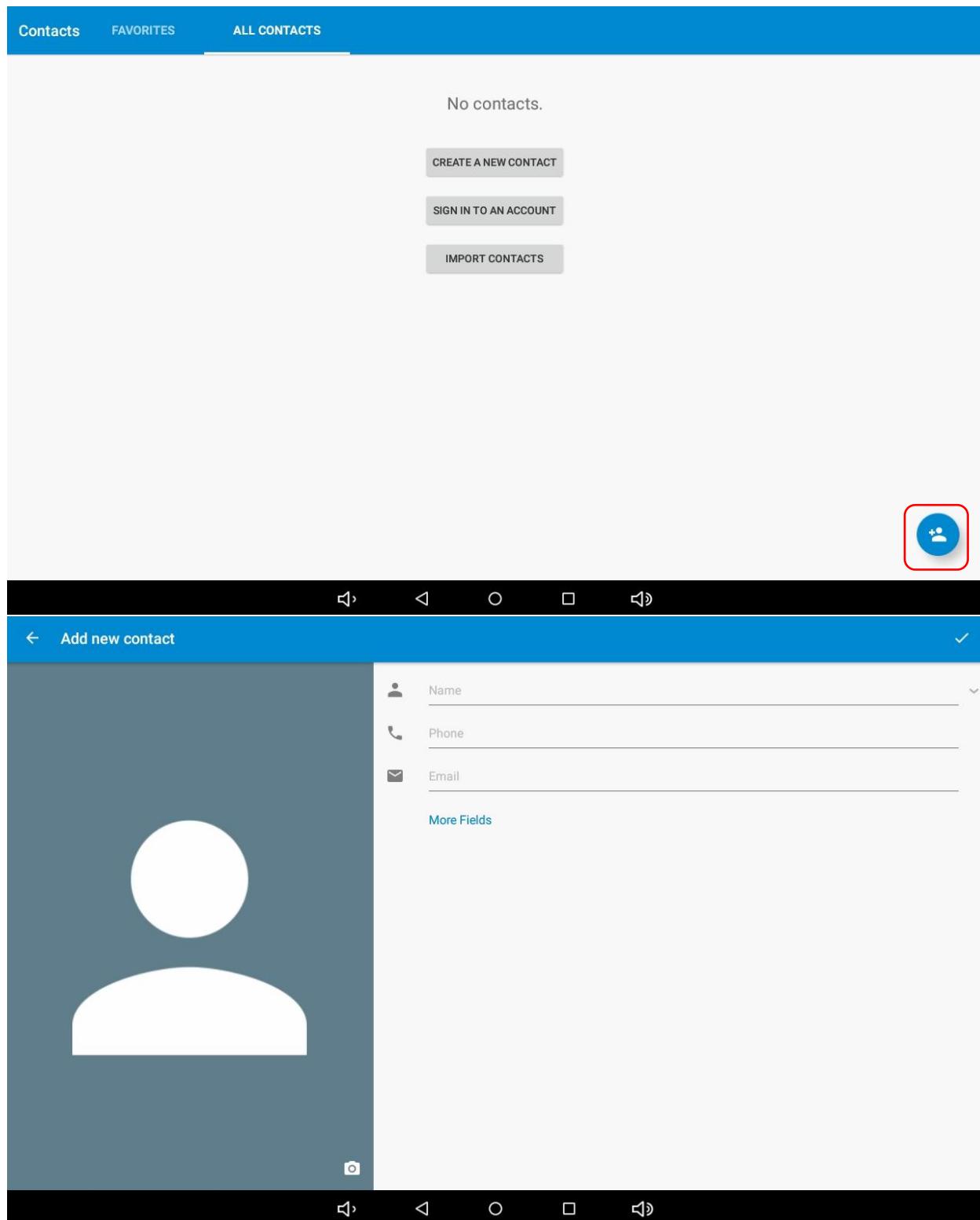
Set **Do Not Disturb** on DND.





13. Contact Setting

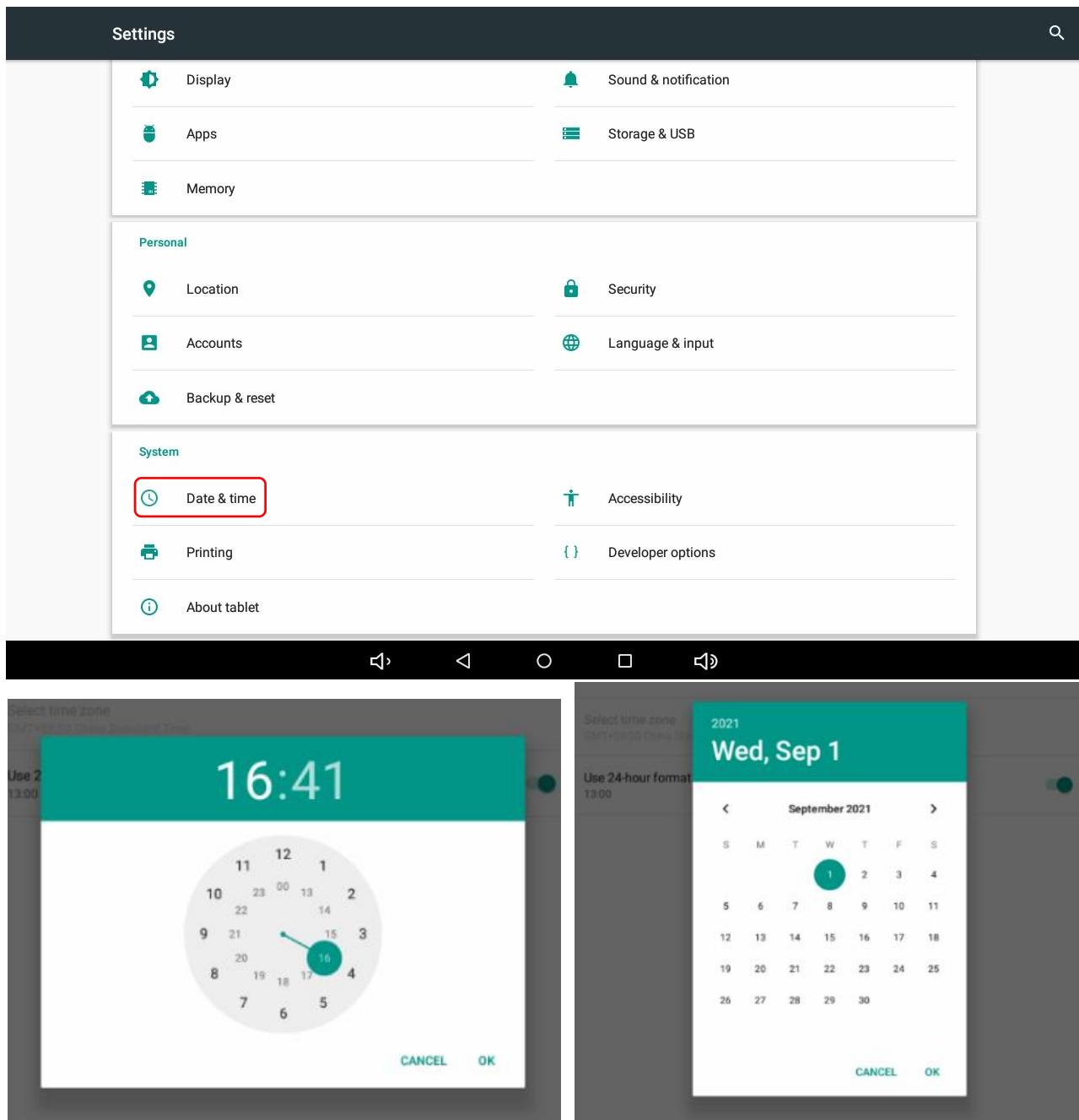
You can configure the contacts list in terms of adding and modifying contacts on the device Application List > Contacts>Create a new contact.





14. Time and Date Setting

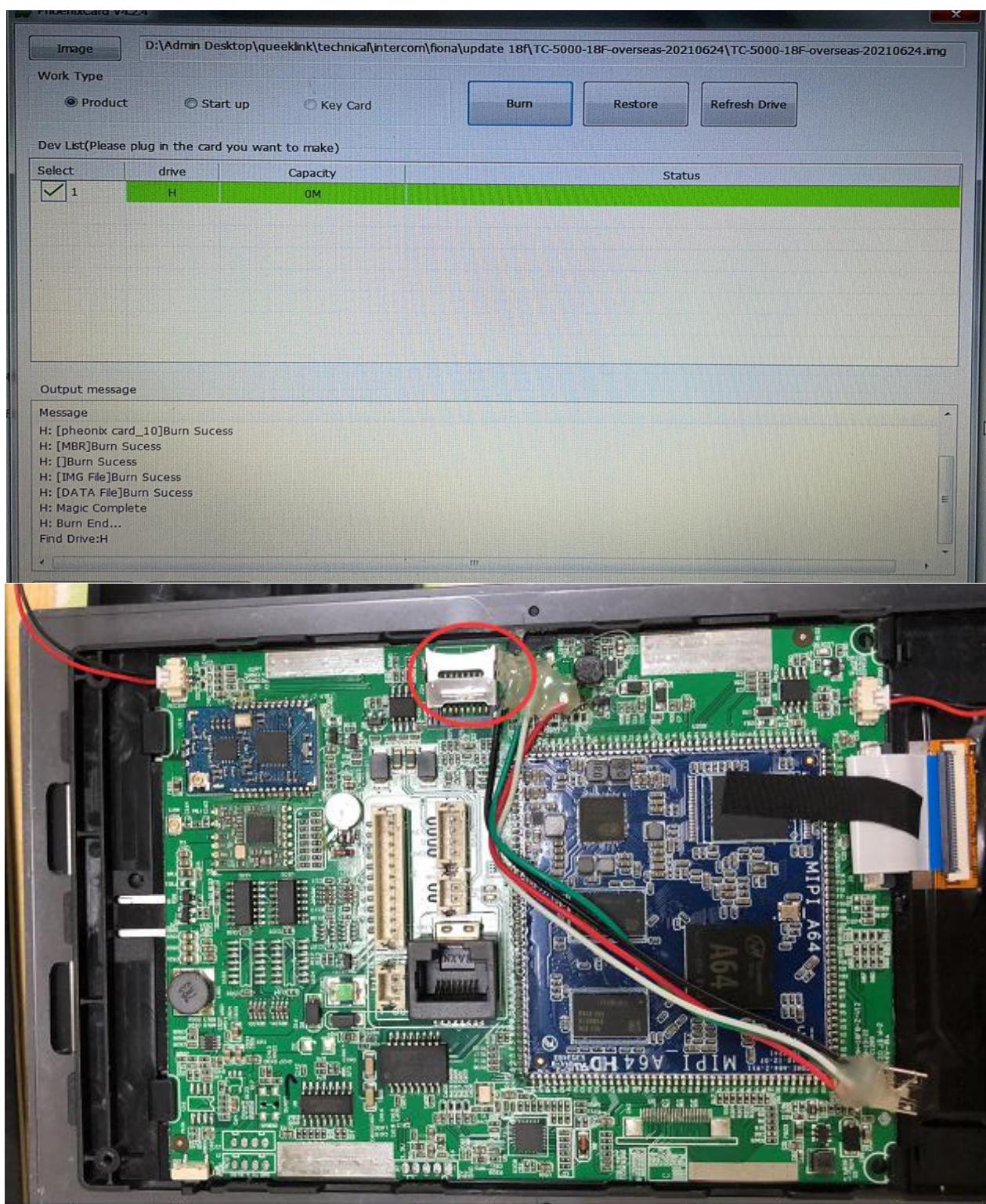
To set up time setting on the device **System Settings > System > Date & time**



15. Firmware Upgrade

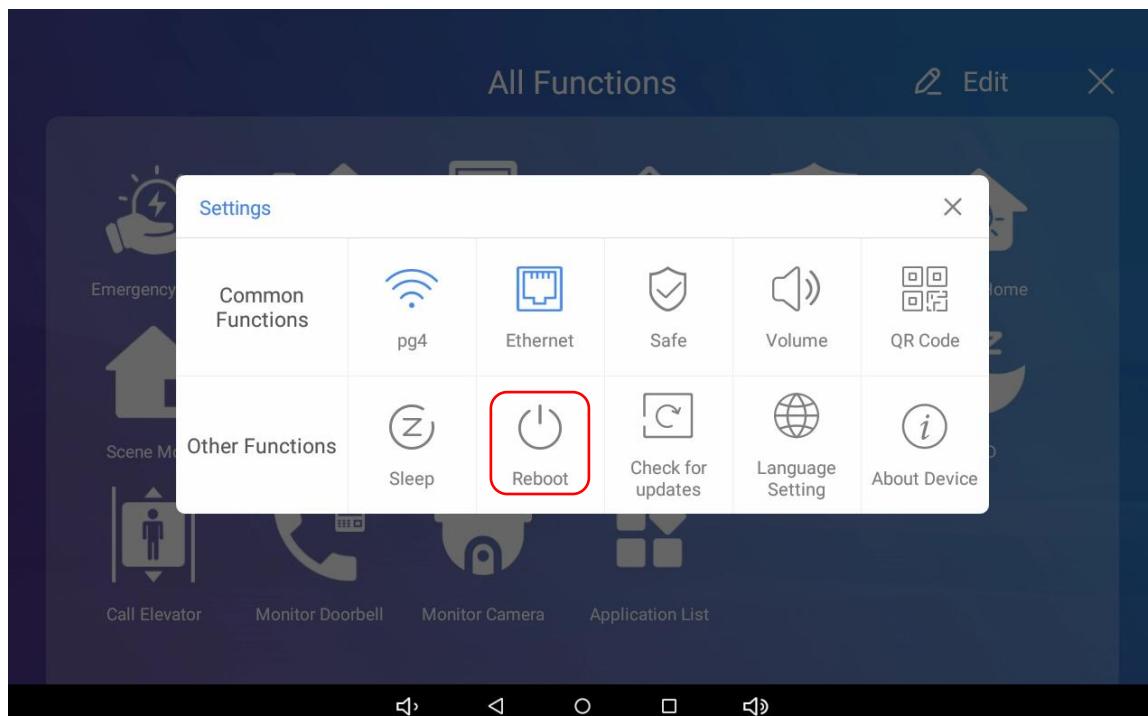
To upgrade firmware, download software “PhoenixCard” to your PC, insert empty SD card, unpack the firmware package, choose the firmware image and burn, when the loading bar turns green, means burn card successfully.

After you burn the card, open the back cover of the device,insert the card,when power in it will automatically upgrade, when the loading bar turns green, it's successfully upgraded, after all the process must take out the card or it will upgrade again next time you turn on the device.



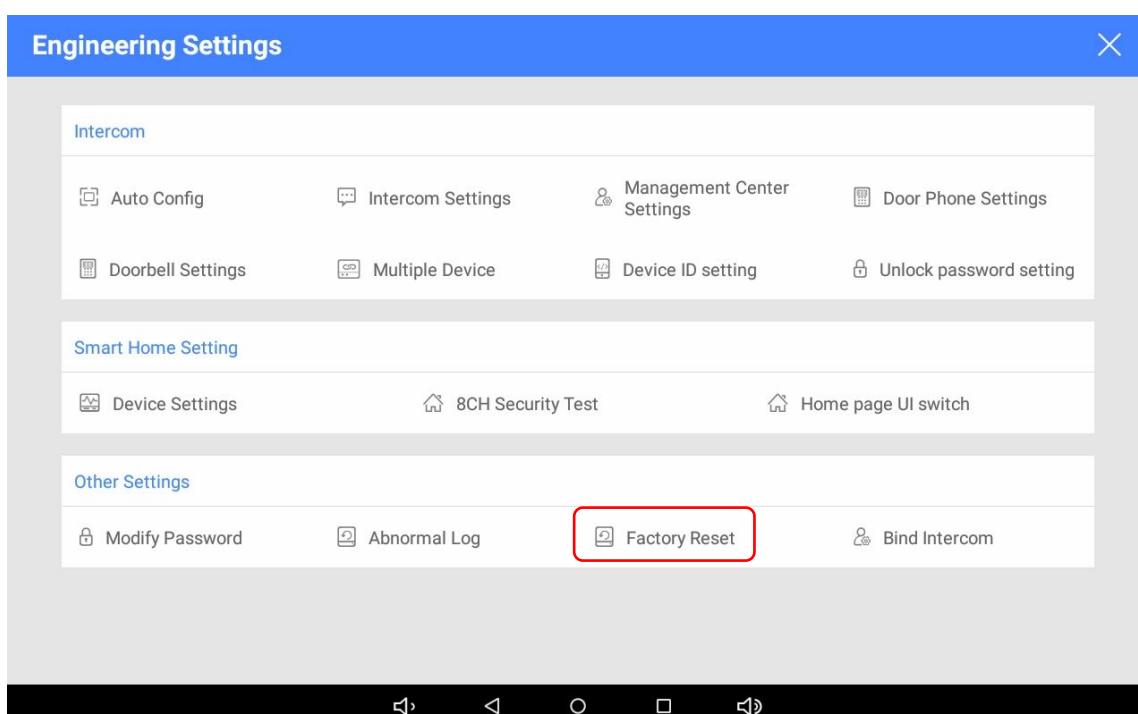
16. Reboot

If you want to reboot the device, you can operate it directly on the device setting. To reboot to the system setting on device **Basics Settings >Restart**.



17. Reset

If you want to reset the whole device system to the factory setting, you can operate it directly on the device, go to **Engineering Settings > Other Settings > Restore Factory**.





18. Abbreviations

- ACS:** Auto Configuration Server
Auto: Automatically
AEC: Configurable Acoustic and Line Echo Cancelers
ACD: Automatic Call Distribution
Autop: Automatical Provisioning
AES: Advanced Encryption Standard
BLF: Busy Lamp Field
COM: Common
CPE: Customer Premise Equipment
CWMR: CPE WAN Management Protocol
DTMF: Dual Tone Multi-Frequency
DHCP: Dynamic Host Configuration Protocol
DNS: Domain Name System
DND: Do Not Disturb
DNS-SRV: Service record in the Domain Name System
FTP: File Transfer Protocol
GND: Ground
HTTP: Hypertext Transfer Protocol
HTTPS: Hypertext Transfer Protocol Secure Socket Layer
IP: Internet Protocol
ID: Identification
IR: Infrared
LCD: Liquid Crystal Display
LED: Light Emitting Diode
MAX: Maximum
POE: Power Over Ethernet
PCMA: Pulse Code Modulation A-Law
PCMU: Pulse Code Modulation μ -Law
PCAP: Packet Capture
PNP: Plug and Play
RFID: Radio Frequency Identification
RTR: Real-time Transport Protocol
RTSP: Real Time Streaming Protocol
MPEG: Moving Picture Experts Group
MWI: Message Waiting Indicator
NO: Normal Opened
NC: Normal Connected
NTP: Network Time Protocol
NAT: Network Address Translation
NVR: Network Video Recorder
ONVIF: Open Network Video Interface Forum
SIP: Session Initiation Protocol
SNMP: Simple Network Management Protocol
STUN: Session Traversal Utilities for NAT
SMTP: Simple Mail Transfer Protocol
SDMC: SIP Devices Management Center
TR069: Technical Report069
TCP: Transmission Control Protocol
TLS: Transport Layer Security



TFTR: Trivial File Transfer Protocol

UDP: User Datagram Protocol

URL: Uniform Resource Locator

VLAN: Virtual Local Area Network

WG: Wiegand

19. FAQ

Q1: How to obtain IP address?

A1: You can use the display screen to get the IP information, just check the IP address at basic settings, about equipment.

Q2: Do Taichuan devices support Onvif protocol?

A2: For now, only Taichuan indoor monitors support Onvif protocol. Door phone and outdoor panel not supports.

Q3: What is the resolution of TC-5000 indoor monitors?

A3: The ratio is 16:10, and resolution is 1280*800.

Q4: What operation system of TC-5000 series?

A4: TC-5000 monitors based on Android 6.0.

Q5: Can I install apps at Taichuan indoor monitor?

A5: Taichuan have indoor monitor based on Linux system and Android system. For Linux system devices (TC-3000 series), not support install third party app. For android system devices (TC-5000), you can install third party apps as your wish.

Q6: Can I connect electrical lock to indoor monitor?

A6: No, but you can connect electrical lock to outdoor panel, Taichuan outdoor panels have relay component.

Q7: Can I communicate other indoor monitor with indoor monitor?

A7: Taichuan device can communicate with each other, no matter it is indoor monitor or door phone. Of course indoor monitor can call to other indoor monitor.



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20. Contact US

For more information about the product, please visit us at www.taichuan.com or feel free to contact us by

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Technical support email: globalmarket@taichuan.com

Telephone: +86-756-8665853

We highly appreciate your feedback about our products

