

User Manual

VT07-B01

Date: May 2024

Doc Version: 1.1

English

Thank you for choosing our product. Please read the instructions carefully before operation. Follow these instructions to ensure that the product is functioning properly. The images shown in this manual are for illustrative purposes only.



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If there is any issue related to the product, please contact us.

ZKTeco Headquarters

Address ZKTeco Industrial Park, No. 32, Industrial Road,
Tangxia Town, Dongguan, China.

Phone +86 769 - 82109991

Fax +86 755 - 89602394

For business related queries, please write to us at: sales@zkteco.com.

To know more about our global branches, visit www.zkteco.com.

About the Company

ZKTeco is one of the world's largest manufacturer of RFID and Biometric (Fingerprint, Facial, Finger-vein) readers. Product offerings include Access Control readers and panels, Near & Far-range Facial Recognition Cameras, Elevator/floor access controllers, Turnstiles, License Plate Recognition (LPR) gate controllers and Consumer products including battery-operated fingerprint and face-reader Door Locks. Our security solutions are multi-lingual and localized in over 18 different languages. At the ZKTeco state-of-the-art 700,000 square foot ISO9001-certified manufacturing facility, we control manufacturing, product design, component assembly, and logistics/shipping, all under one roof.

The founders of ZKTeco have been determined for independent research and development of biometric verification procedures and the productization of biometric verification SDK, which was initially widely applied in PC security and identity authentication fields. With the continuous enhancement of the development and plenty of market applications, the team has gradually constructed an identity authentication ecosystem and smart security ecosystem, which are based on biometric verification techniques. With years of experience in the industrialization of biometric verifications, ZKTeco was officially established in 2007 and now has been one of the globally leading enterprises in the biometric verification industry owning various patents and being selected as the National High-tech Enterprise for 6 consecutive years. Its products are protected by intellectual property rights.

About the Manual

This manual introduces the operations of **VT07-B01**.

All figures displayed are for illustration purposes only. Figures in this manual may not be exactly consistent with the actual products.

Features and parameters with ★ are not available in all devices.

Document Conventions

Conventions used in this manual are listed below:

GUI Conventions

For Software	
Convention	Description
Bold font	Used to identify software interface names e.g., OK , Confirm , Cancel .
>	Multi-level menus are separated by these brackets. For example, File > Create > Folder.
For Device	
Convention	Description
< >	Button or key names for devices. For example, press <OK>.
[]	Window names, menu items, data table, and field names are inside square brackets. For example, pop up the [New User] window.
/	Multi-level menus are separated by forwarding slashes. For example, [File/Create/Folder].

Symbols

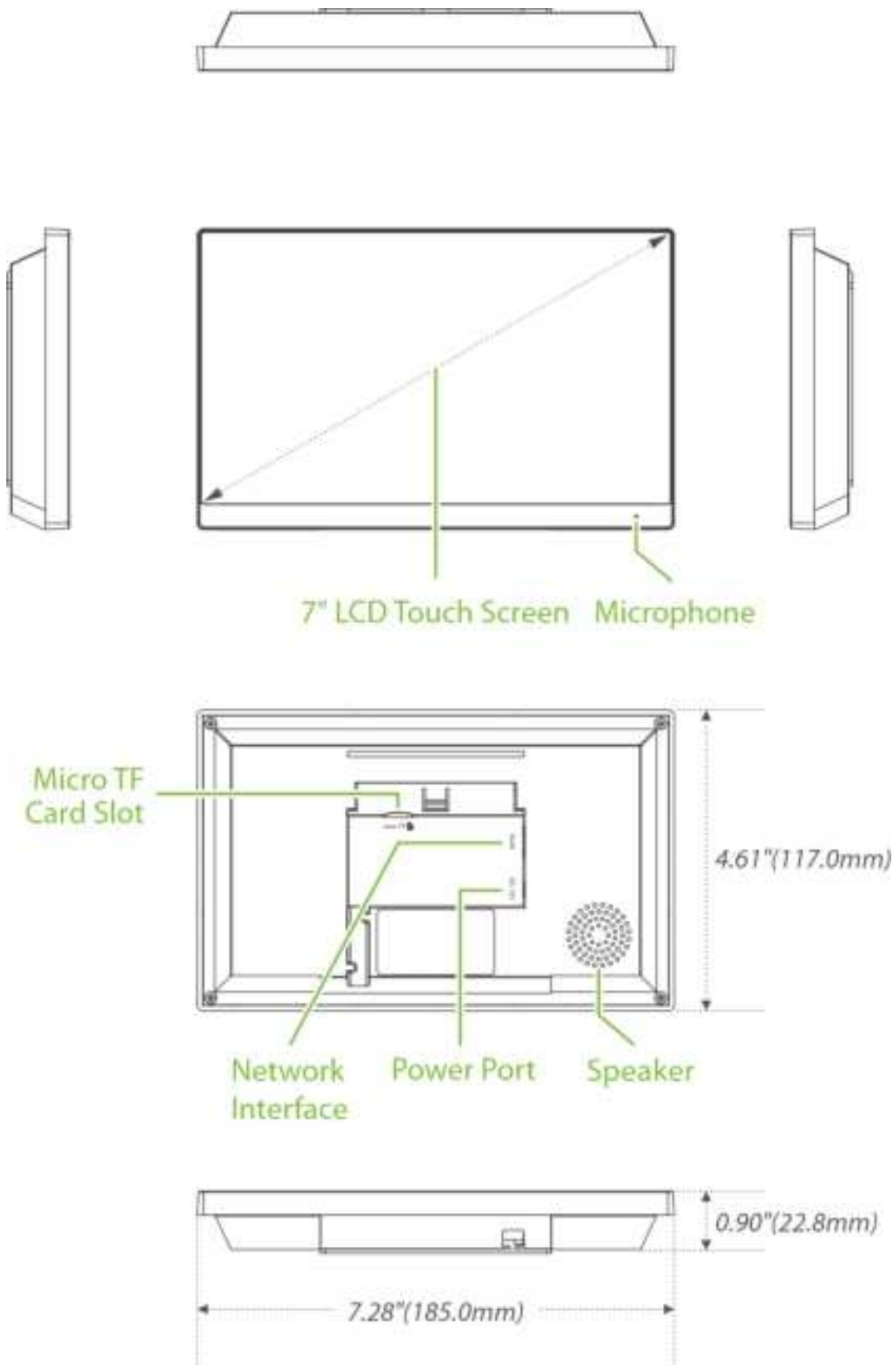
Convention	Description
	This represents a note that needs to pay more attention to.
	The general information which helps in performing the operations faster.
	The information which is significant.
	Care taken to avoid danger or mistakes.
	The statement or event that warns of something or that serves as a cautionary example.

Table of Contents

1 APPEARANCE	7
2 INSTALLATION SET-UP	8
2.1 INSTALLATION ENVIRONMENT	8
2.2 INSTALLATION STEPS	8
3 CONNECTION DIAGRAM	10
4 MAIN MENU	11
5 LIVE VIDEO SETTING	13
5.1 OUTDOOR STATION MONITOR	13
5.2 IPC MONITOR	13
5.3 LIVE VIDEO	14
5.3.1 REAL-TIME VIDEO OF OUTDOOR STATION	14
5.3.2 REAL-TIME VIDEO OF IPC MONITOR	15
6 CALL LOG	16
6.1 ALL CALL LOGS	16
6.2 MISSED CALL LOGS	17
7 NEWS SETTINGS	18
8 NETWORK SETTINGS	19
8.1 WIRED NETWORK	19
8.2 WIRELESS NETWORK	20
9 SYSTEM SETTINGS	22
9.1 SOUND SETTINGS	22
9.1.1 DO NOT DISTURB PLAN	23
9.2 DISPLAY SETTINGS	24
9.3 ADVANCED SETTINGS	25
9.3.1 MODIFY PASSWORD	26
9.3.2 DEVICE MANAGEMENT	26

9.3.3 LOCAL SETTING	29
9.3.4 TIME SETTING.....	30
9.3.5 STORAGE MANAGE	31
9.3.6 NETWORK MANAGE.....	32
9.4 SYSTEM INFORMATION.....	33
9.5 RESET SETTINGS.....	33
10 MAKE A CALL	35
10.1 SET THE COMMUNICATION ADDRESS	35
10.2 ADDING OUTDOOR STATION.....	36
10.3 MAKE A CALL ON THE DEVICE	36
APPENDIX	39
FCC WARNING	39
ECO-FRIENDLY OPERATION	40

1 Appearance



2 Installation Set-up

2.1 Installation Environment



2.2 Installation Steps

Make sure that the device is installed as per the installation instructions. Otherwise, you will bear any consequence resulting from your actions.

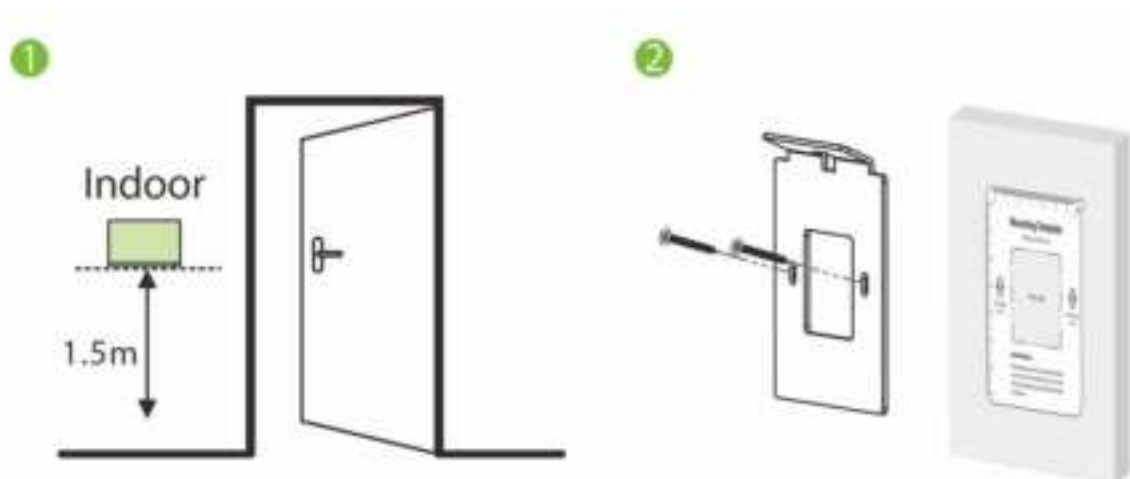
The device supports two installation methods: wall-mounted installation and desktop installation. Users can choose according to actual needs.

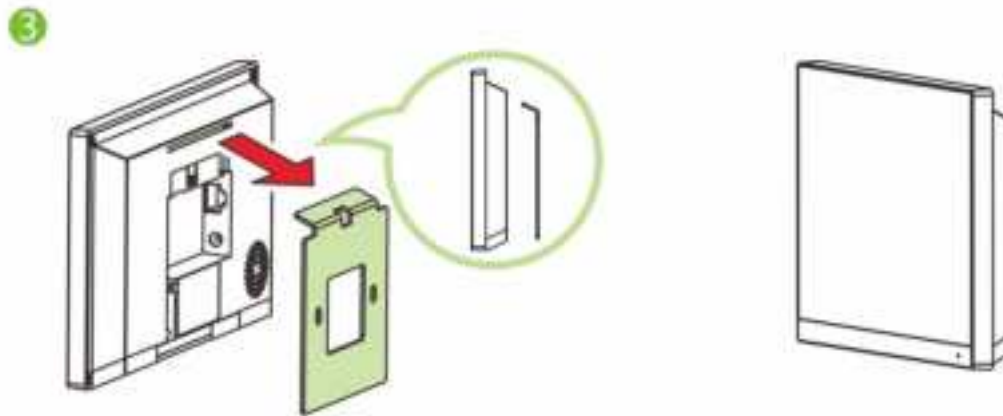
Mode 1: Wall-mounted Installation

Step1: Find a suitable indoor installation location, the recommended installation height is 59.1 inches (1.5m), which can be adjusted as needed.

Step2: Attach the mounting template stickers to the wall and drill holes, then fix the back plate on the wall with the wall mounting screws.

Step3: Finally, push the device into the back plate and secure it to the back plate.





Mode 2: Desktop Installation

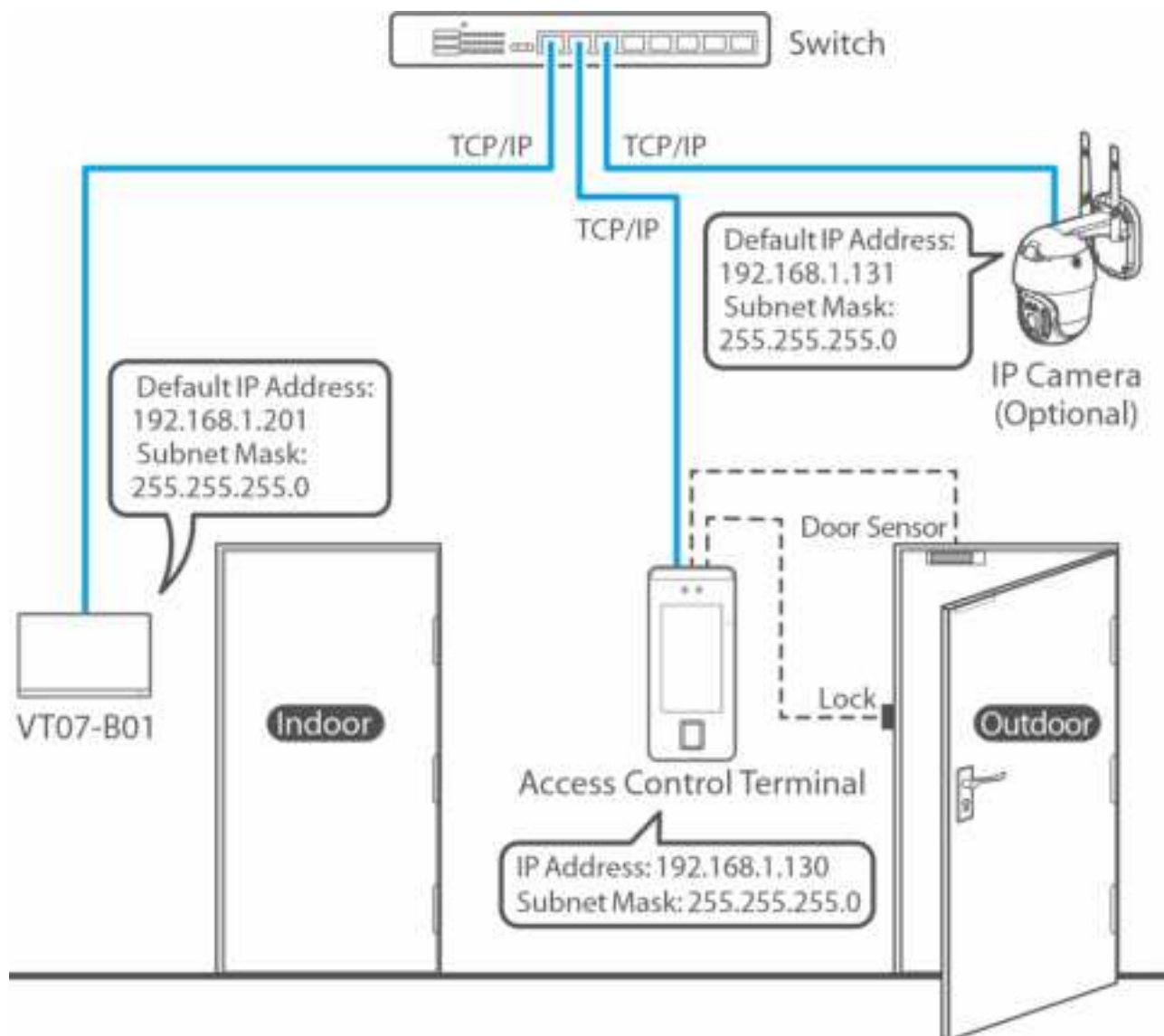
Step1: Take out the device and the bracket from the box.

Step2: Put the white bracket rubber sleeve on the bottom of the bracket.

Step3: Finally, insert the bracket into the mounting slot behind the device.



3 Connection Diagram

**Notes:**

1. VT07-B01, Access Control Terminal and IP Camera are connected through out the network cable.
2. In LAN, the IP addresses of all devices must be in the same network segment. See figure above for an example.

4 Main Menu

After powering on the device, it enters the main interface as shown below.



When you tap the  icon to turn on the **Do Not Disturb** mode, the screen is shown below. A red bar will appear at the bottom of the screen. Prompts you that the Do Not Disturb feature is turned on.



Function Description

Menu	Descriptions
	Do Not Disturb mode function button. Once turned on, when the outdoor station calls, the indoor station has no response and no record, and the priority is higher than the "Do Not Disturb Plan" in the setting interface. Applies to this device only.
Live Video	To view the real-time video of the outdoor station and the real-time video of the IPC bound to it, and the real-time video of other IPC.
Call Log	To view the answered and missed call logs.
Setting	To set parameters related to the system, such as sound settings, display settings, advanced settings, system information viewing and restore default/upgrade.
News	To view the video information such as call record, manual record and snap.
Network	To set the relevant parameters of Network.

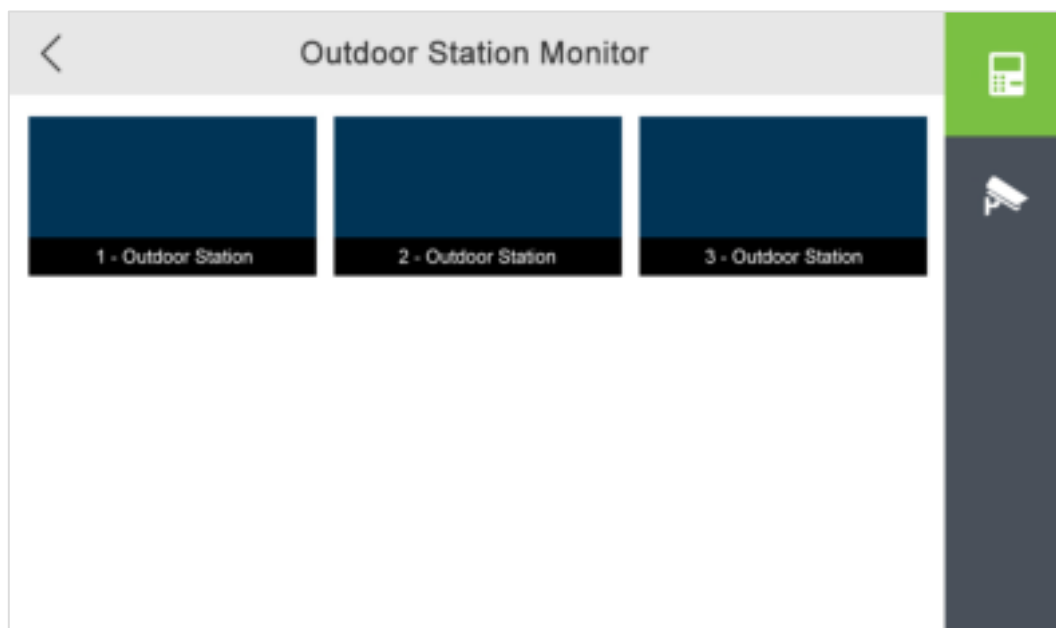
Status Icons

Status Icon	Name	Description
	Ethernet	Indicates that the Ethernet connection has been established.
		Indicates that the Ethernet is disconnected.
	TF Card	Indicates that the TF card has been inserted.
	Wi-Fi signal	Indicates that the Wi-Fi is connected normally.

5 Live Video Setting

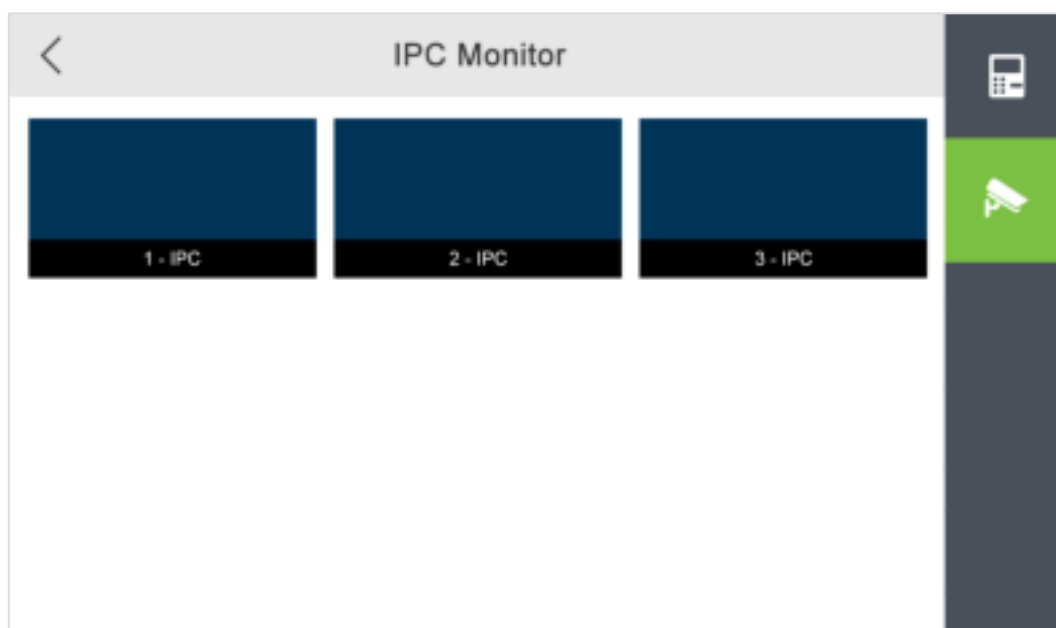
5.1 Outdoor Station Monitor

Tap **Live Video** on the main menu to enter the **Outdoor Station Monitor** interface. The added Outdoor Station will be displayed on the interface. **Note:** The user can customize the position name through the path **Setting > Advanced Setting > Device Manage > +Add > Position**.



5.2 IPC Monitor

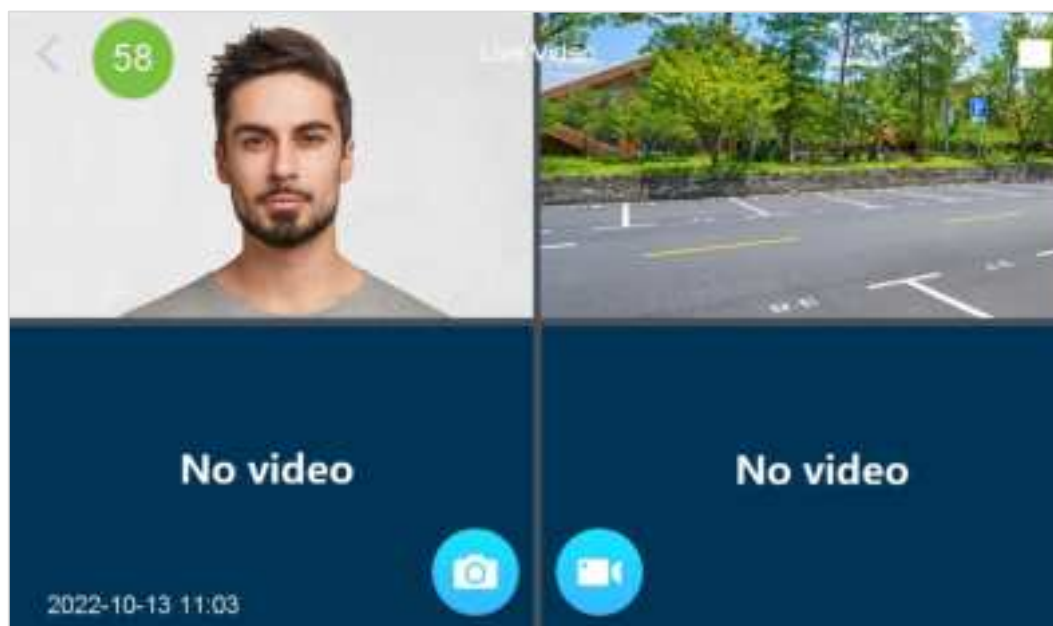
Tap **Live Video** on the main menu. Then tap  icon on the Outdoor Station Monitor interface. The added IPC will be displayed on the interface. The user can customize the position name.



5.3 Live Video

5.3.1 Real-time Video of Outdoor Station

Select an outdoor station on the Outdoor Station Monitor interface to enter the screen. The screen is shown below.

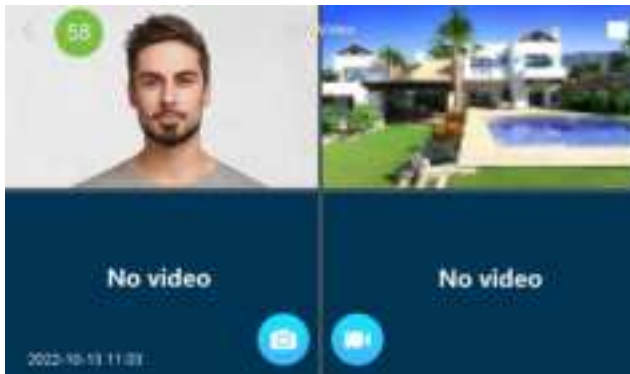


Function Description

Function	Descriptions
	When the monitoring countdown ends, exit the current interface. Clicking the "Monitor Countdown" icon before the countdown ends will reset the countdown. Can be modified via Setting > Advanced Setting > Local Setting > Call Countdown path. After the countdown is over, the indoor station automatically hangs up. If you click the countdown icon again within the timer, the countdown will be reset and the intercom will continue. If you click the  icon again, the call is interrupted. When set to unlimited, the intercom can continue until the call is manually hung up or the outdoor station hangs up.
	Window 1: The default is the outdoor station monitoring screen.
	Window 2/3/4: The IPC video monitoring screen bound to the outdoor station
	Split screen mode: Tap to switch between 4 Split Screen and 1 Split Screen.

	Used for manual snapshots. Click to capture the current video image. - When the screen is 1 split screens, all windows are available for snapshotting. - When the screen is 4 split screens, only window 1 is available for snapshotting.
	Used for manual recording. Click the icon to start audio/video recording, and stop recording until the countdown ends. Or click the countdown icon during the countdown time to continue recording until the time ends. If the monitoring countdown is set to unlimited, it will record according to the set "Maximum Video Recording Time" (please set the maximum recording time in Setting > Advanced Setting > Local Setting), and stop recording when it reaches the set time, and continue monitoring until manually exit. In both 4 split screen and 1 split screen, only windows 1 and 2 can record.

● Split screen mode:



4 Split Screen



1 Split Screen

5.3.2 Real-time Video of IPC Monitor

Select an IPC monitor on the IPC Monitor interface to enter the screen. The screen is shown below.



Only support real-time monitoring, manual capture, manual recording function, the function of the same outdoor station real-time video.

6 Call Log

6.1 All call logs

Tap **Call Log** on the **Main Menu** to enter the All Call list screen. As shown below.



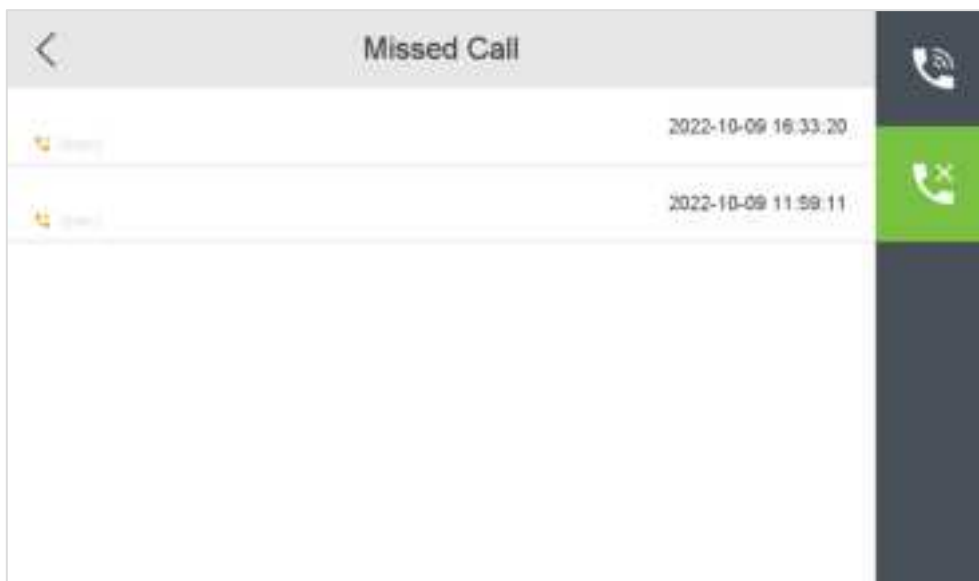
Select a call log in the list to enter the call playback screen. As shown below.



Function	Descriptions
<	Return to the previous menu.
🗑️	Delete the current call log.
🔊 🔇	Turns on/off the sound of the current call log.
▶️ ⏸️	Play/pause the current call log.
⏮️	Play the last call log.
⏭️	Play the next call log.

6.2 Missed call logs

Tap **Call Log** >  icon to enter the missed call list screen. As shown below.



Select a missed call log in the list to enter the call playback screen. The interface is the same as that of the call log, and will not be repeated here.

7 News Settings

Here users can view some video information such as call logs, manual logs and snapshots.

Tap **News** on the **Main Menu** interface. Tap  icon to enter the video information interface. As shown below.

<	Call Record	Manual Record	Snap	
	Call Record() 40(sec)		2022-01-01 12:25:43	
	Call Record() 3(sec)		2022-01-01 12:24:45	
	Call Record() 7(sec)		2022-01-01 12:23:42	
	Call Record() 2(sec)		2022-01-01 12:13:27	

<	Call Record	Manual Record	Snap	
	Manual Record(1.95) 5(sec)		2022-08-23 11:01:38	
	Manual Record(1.95) 7(sec)		2022-08-23 11:00:28	

<	Call Record	Manual Record	Snap	
	Snap 1:28		2022-08-23 11:01:38	
	Snap 1:35		2022-08-23 11:01:34	
	Snap 1:35		2022-08-23 11:01:32	

Function Description

Menu	Descriptions
Call Record	Displays all received and missed call recordings as the same recording as the call log recording.
Manual Record	Manually recorded footage during real-time video surveillance.
Snap	Live video interface manually captures images. Page turning is not supported.

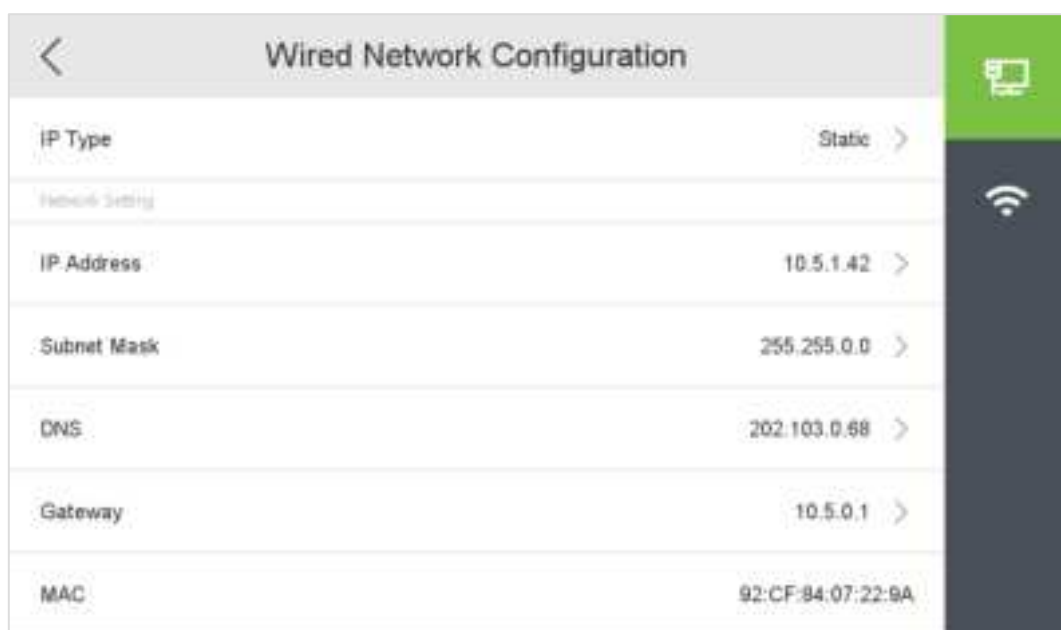
8 Network Settings

When the indoor station needs to communicate with the outdoor station or IPC through Ethernet, you need to configure the network settings and ensure that all the devices are connected to the same network segment.

Tap **Network** on the **Main Menu** to enter the network setting screen.

8.1 Wired Network

Tap  icon on the **Network Setting** screen to enter the wired network setting screen. As shown below.



Function Description

Function	Descriptions
IP Type	Select the way to enter the IP address, there are Static and DHCP options. If Static is enabled, the IP address can be set manually. Dynamic Host Configuration Protocol, which is to dynamically allocate the IP addresses for clients via server.
IP Address	The default IP address is 192.168.1.201. It can be modified according to the network availability.
Subnet Mask	The default Subnet Mask is 255.255.255.0. It can be modified according to the network availability.
DNS	The default DNS address is 0.0.0.0. It can be modified according to the network availability.
Gateway	The default Gateway address is 0.0.0.0. It can be modified according to the network availability.

Remark:

- A direct connection to the local area network can be used. Connect the indoor station and the outdoor station directly through the network cable, and the outdoor station can preview, record, and talk normally in the indoor station.

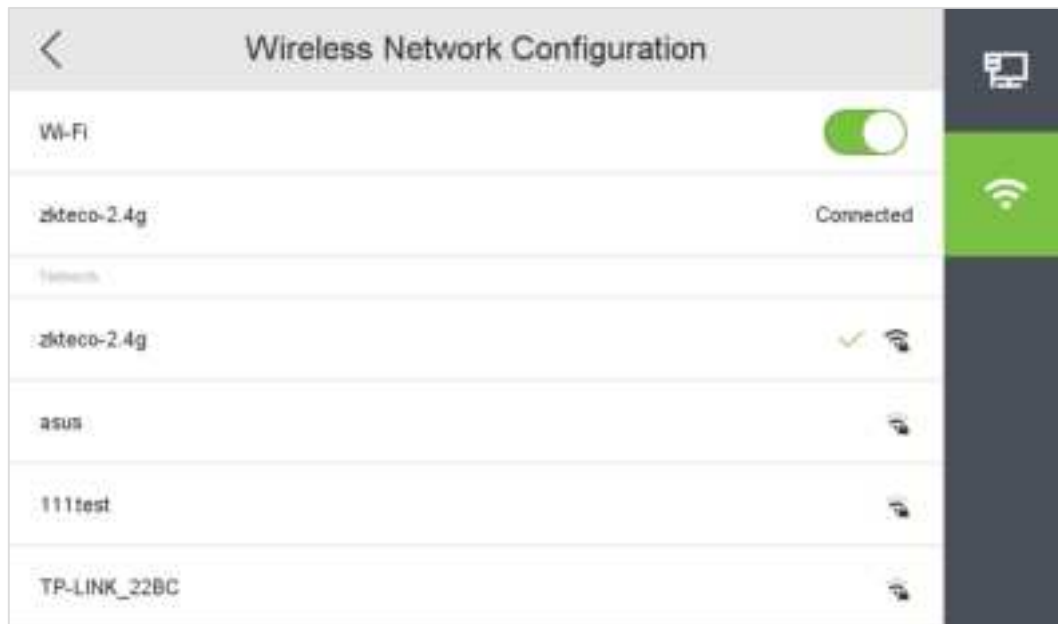
8.2 Wireless Network

Tap  icon on the **Network Setting** screen. Settings interface to configure the Wi-Fi settings.

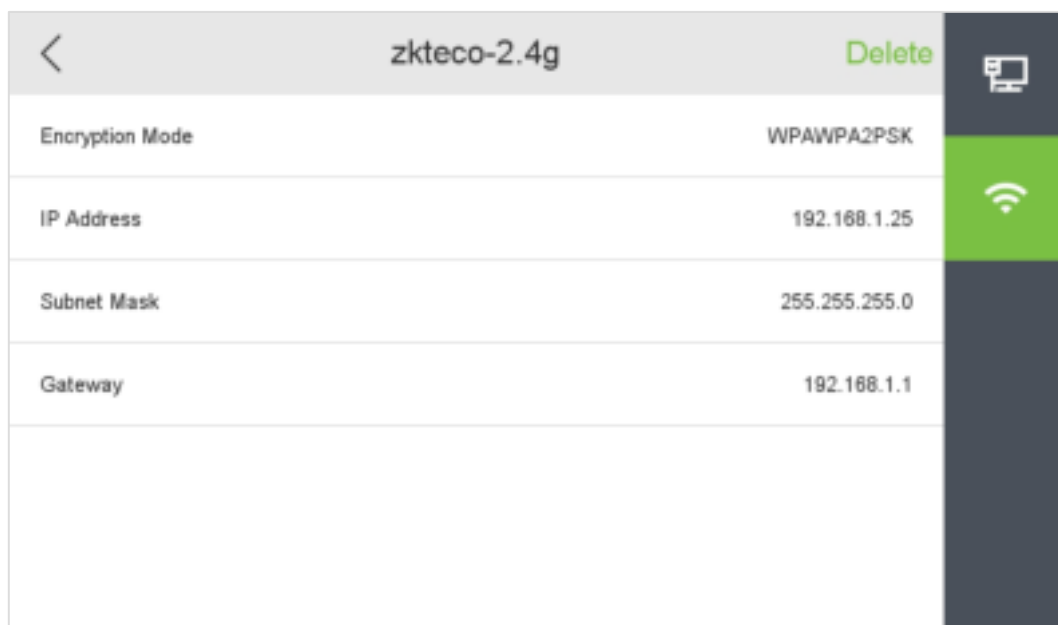


- Wi-Fi is enabled in the device by default. Toggle the  button to enable or disable Wi-Fi.
- Once the Wi-Fi is turned on, the device searches for the available Wi-Fi within the network range.
- Choose the required Wi-Fi name from the available list and input the correct password in the password interface, and then select **Save** to confirm.





- You can click on the connected Wi-Fi to view more information.



9 System Settings

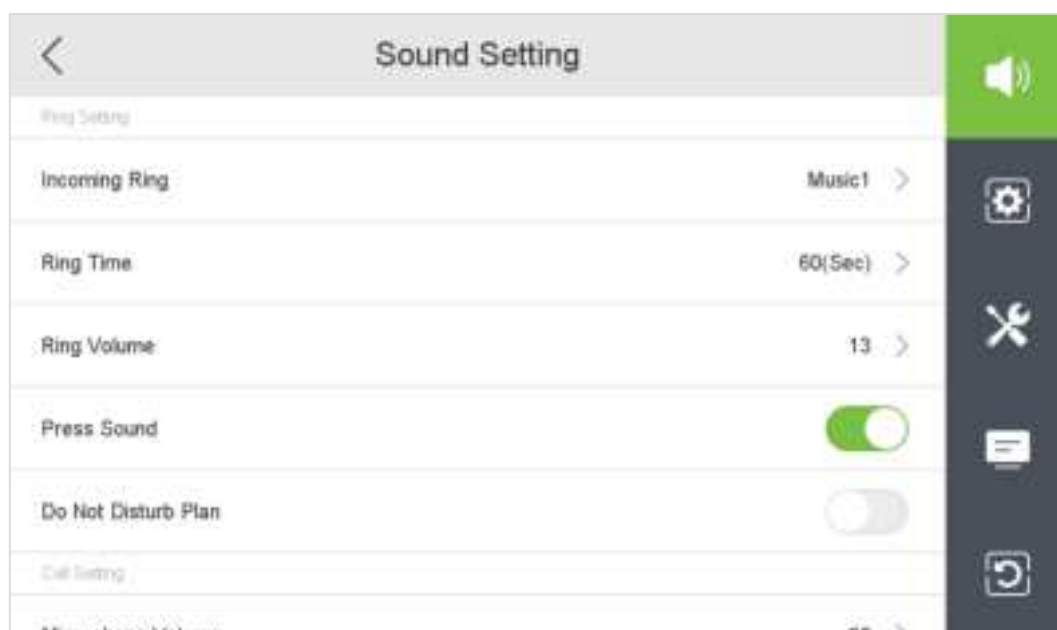
It helps to set related system parameters to optimize the accessibility of the device.

Tap **Setting** on the **Main Menu** interface to get into its menu options.

9.1 Sound Settings

Mainly used to set ringtones and call volume settings.

Tap  icon on the **Setting** screen to configure the sound settings. As shown below.



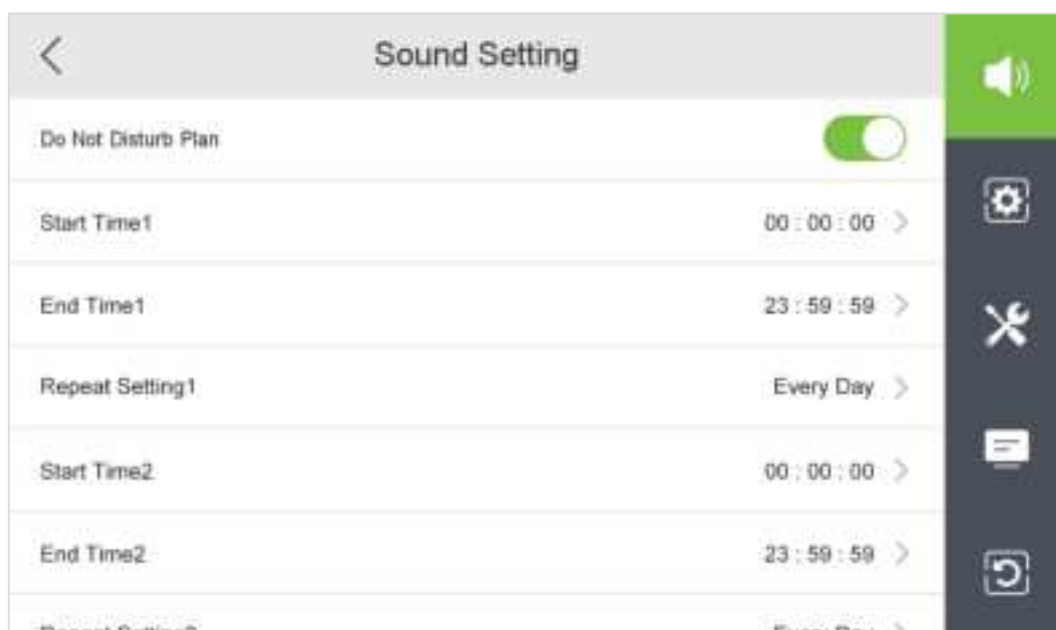
Function Description

Function	Descriptions
Incoming Ring	Built-in function for changing the ringtone of incoming calls in different styles.
Ring Time	Start timing from the outdoor station call, after ringing time reaches the set time, the incoming call rings off and hangs up. Includes 6 options: 10s, 20s, 30s, 40s, 50s and 60s.
Ring Volume	Adjust the volume of the incoming call ringtone, valid value: 0-100.
Press Sound	Select whether to enable the touch screen key sound. Note: Whether to turn on/off this function, touch anywhere on the screen of the call interface, the ringing will stop, but the call will not be interrupted.
Do Not Disturb Plan	When enabled the Do Not Disturb Plan, the indoor station does not respond and does not record when the outdoor station calls.  Note: The icon on the main interface has higher priority than the Do Not Disturb plan and is limited to this device.

Microphone Volume	Adjust the volume of the indoor station input sound, i.e. the volume that can be heard at the outdoor station, valid value: 0-100.
Speaker Volume	Adjust the volume of the indoor station output sound, i.e. the volume that the indoor station can hear, valid value: 0-100.

9.1.1 Do Not Disturb Plan

Tap  icon to enable the **Do Not Disturb Plan** on the Sound Setting screen. As shown below.



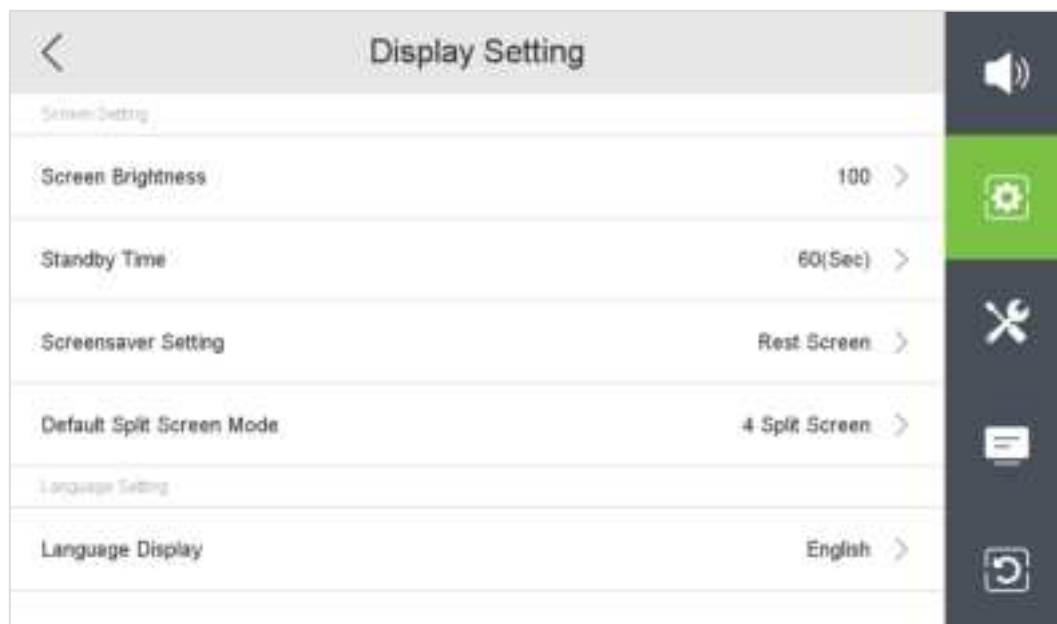
- **Start Time:** After the start time is set, when the set time is reached, the indoor station will automatically turn on the Do Not Disturb function, and the outdoor station will call, but the indoor station will not respond or record.
- **End Time:** After the end time is set, when the set time is reached, the indoor station will automatically turn off the Do Not Disturb function, the outdoor station will call, and the indoor station will respond and record.
- **Repeat Setting:** You can select every day of the week to repeat, or select a day of the week to repeat.

Note:

1. The end time must be later than the start time. Otherwise, the prompt time setting is wrong.
2. Each set of times needs to be added manually. When it comes to spanning days, two sets of times need to be set. When multiple sets of times are set, the repeat section records only one set of times.

9.2 Display Settings

Tap  icon on the **Setting** screen to get into its menu options. As shown below.



Function Description

Function	Descriptions
Screen Brightness	Adjust the brightness of the indoor station screen, the range is 0-100.
Standby Time	When the indoor station does not operate within the set time, the screen will be automatically changes to a rest screen or clock screensaver. Time options include: 30s, 60s, 90s and 120s.
Screensaver Setting	There are two options, the rest screen and the clock screensaver. ▪ Rest screen: The indoor station will turn into a black screen if there is no operation within the set time. ▪ Clock screensaver: The indoor station will turn into a black screen if there is no operation within the set time, and only display the date and time in real time.
Default Split Screen Mode	It helps to set the split screen mode, including 1 Split Screen and 4 Split Screen.
Language Display	It helps to select the language of the device.

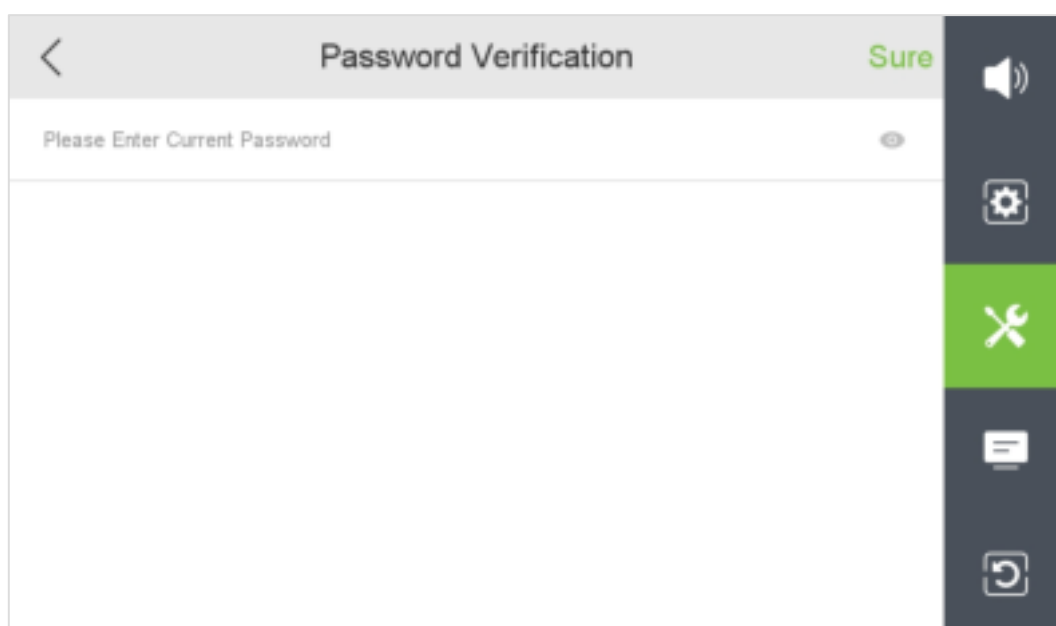
9.3 Advanced Settings

When entering any interface of advanced settings, you need to enter a password. After entering the interface with the correct password, you do not need to enter the password again to enter other interfaces of advanced settings. However, if you exit the Advanced Settings screen and enter it again, you need to enter the password again.

Tap  icon on the **Setting** screen to get into its menu options. As shown below.



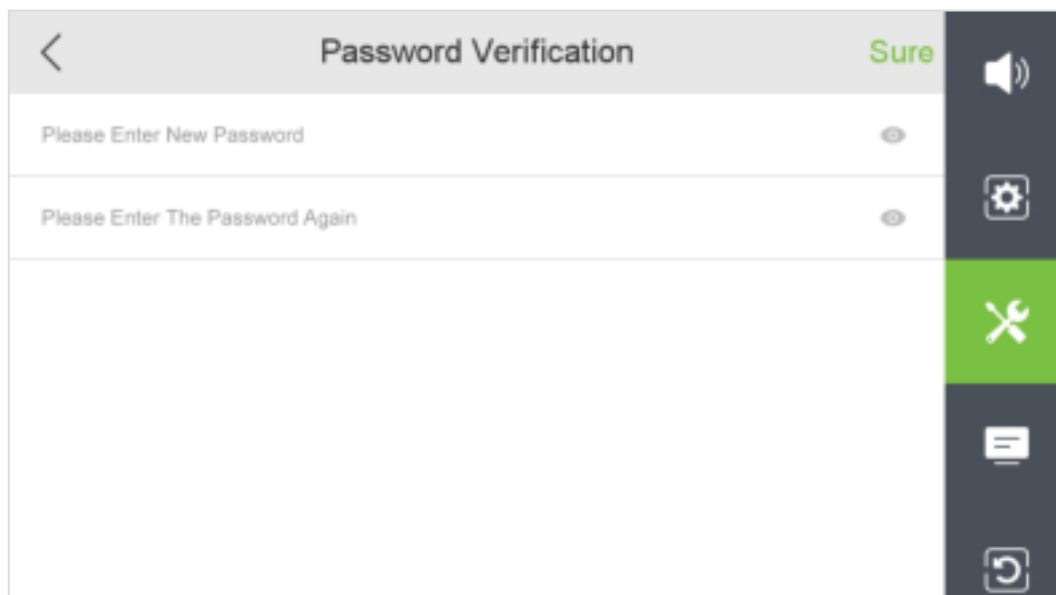
Select an option to be set, enter the password verification interface, enter the current password, and click **Sure** to enter the setting interface.



9.3.1 Modify Password

It is used to set the password for entering the advanced setting interface.

Tap **Modify Password** on the **Advanced Setting** interface.

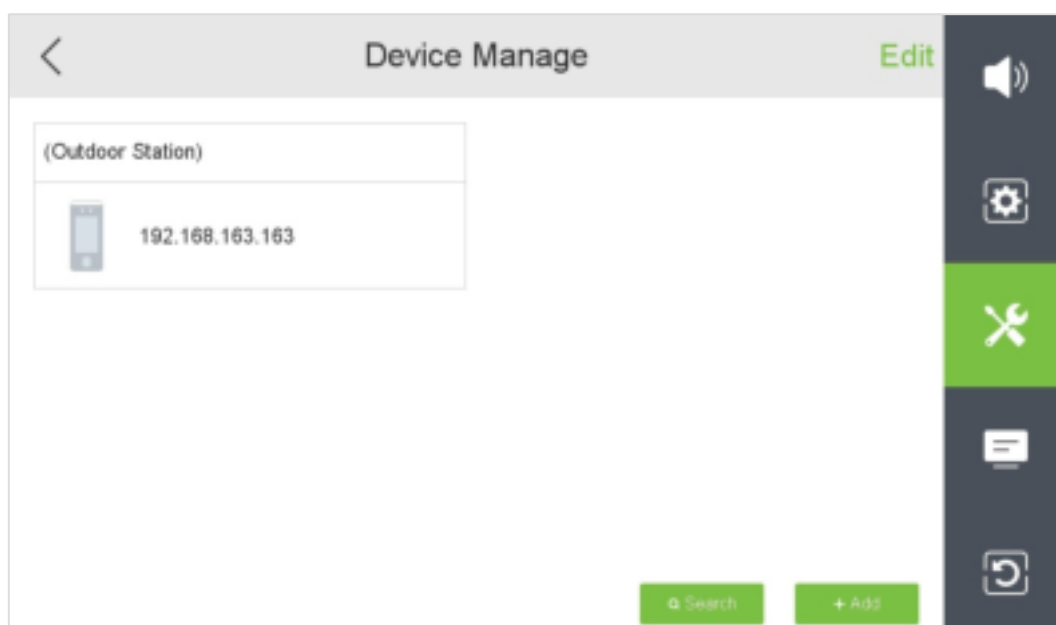


Enter the new password twice, then click **Sure** to confirm and exit to the previous menu.

Note: The password can be set up to 31 characters, and the character types include: letters, numbers, and symbols.

9.3.2 Device Management

Tap **Device Manage** on the **Advanced Setting** interface.



9.3.2.1 Search Device

Tap  icon on the **Device Manage** interface to search the device.

The device will search for all online outdoor stations and IPCs in the LAN.



9.3.2.2 Add Device

Tap  icon on the **Device Manage** interface to add the device.



Function Description

Function	Descriptions
Device Type	Used to set the type of device, including the Outdoor Station and IPC.
Position	Customize the device location.
BindIPC1/2/3	When the device type is set to outdoor station, the added IPC can be selected for binding. By default, the outdoor station and the bound IPC1 are authorized to record and capture images.
Device IP	Customize the IP address of the device.
User Name	Enter the login user name of the camera.
Password	Enter the login password of the camera.

After the setting is completed, click **Save** to save and exit to the previous menu.

9.3.2.3 Edit Device

The edit function is only used to delete devices.

Tap **Edit** on the **Device Manage** interface to edit the device. As shown below.



Select the device to be deleted and click **Delete** to delete it.

9.3.3 Local Setting

Tap **Local Setting** on the **Advanced Setting** interface. As shown below.



Function Description

Function	Descriptions
Indoor Station Number	Customize the indoor station number.
Indoor Station Position	Customize the indoor station location.
Monitor Time	After the monitoring reaches the set time, exit the monitoring interface. When set to unlimited, the native device continues to monitor until manually exited. Includes: 10s, 20s, 30s, 40s, 50s, 60s and Unlimited.
Call Countdown	Used to set the call countdown time, including: 10s, 20s, 30s, 40s, 50s, 60s and Unlimited. When set to unlimited, the intercom can continue until the call is manually hung up or the outdoor station hangs up.
Maximum Video Recording Time	Maximum recording time when recording manually, including: 5min, 10min, 15min and 20min.

9.3.4 Time Setting

Tap **Time Setting** on the **Advanced Setting** interface. As shown below.



Function Description

Function	Descriptions
Time	Modify the device time manually.
Date	Modify the device date manually.
Time Zone	To select a time zone.
NTP Configuration	Whether to enable NTP configuration.
Server Address	Turn on the switch to display the server address asia.pool.ntp.org (default).
Adjust Time Interval(h)	The adjustment time interval is customized, the range is 1-72 hours.
Daylight Saving Time	Tap Daylight Saving Time to enable or disable the function. If enabled, set the start time (Month, Week, Day, Hour, Minute) and end time (Month, Week, Day, Hour, Minute). Offset time customization, range 1-120 minutes.

How to set the Daylight Saving Time?

For example, adjust the clock forward one hour at 08: 00 on April 1 and backward one hour at 08: 00 on October 1 (the system turns back to the original time).

9.3.5 Storage Manage

Tap **Storage Manage** on the **Advanced Setting** interface. As shown below.

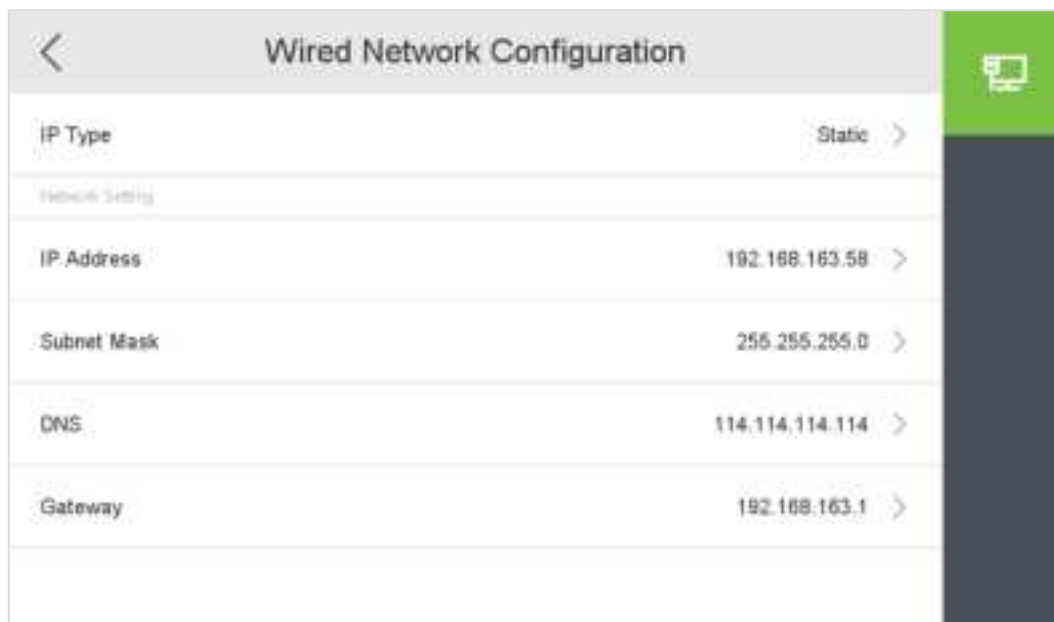


Function Description

Function	Descriptions
TF Status	When the TF card connected to the device is normal, the device can record and capture pictures normally. Not inserted card or connection abnormal, the device can not record and capture pictures.
Format TF	Format the memory card. Click to enter the confirmation format pop-up box, click Sure , enter the formatting progress bar, when it reaches 100%, all contents of the TF card will be deleted (including locked video). Note: Please do not cancel the formatting in the middle.
Storage Space	Progress bar shows TF card used memory/total memory. Automatic overwriting of earlier videos and captures when used memory reaches about 99% (locked videos will not be overwritten).

9.3.6 Network Manage

Tap **Network Manage** on the **Advanced Setting** interface. As shown below.



Function Description

Function	Descriptions
IP Type	Select the way to enter the IP address, there are Static and DHCP options. If Static is enabled, the IP address can be set manually. Dynamic Host Configuration Protocol, which is to dynamically allocate the IP addresses for clients via server.
IP Address	The default IP address is 192.168.1.201. It can be modified according to the network availability.
Subnet Mask	The default Subnet Mask is 255.255.255.0. It can be modified according to the network availability.
DNS	The default DNS address is 0.0.0.0. It can be modified according to the network availability.
Gateway	The default Gateway address is 0.0.0.0. It can be modified according to the network availability.

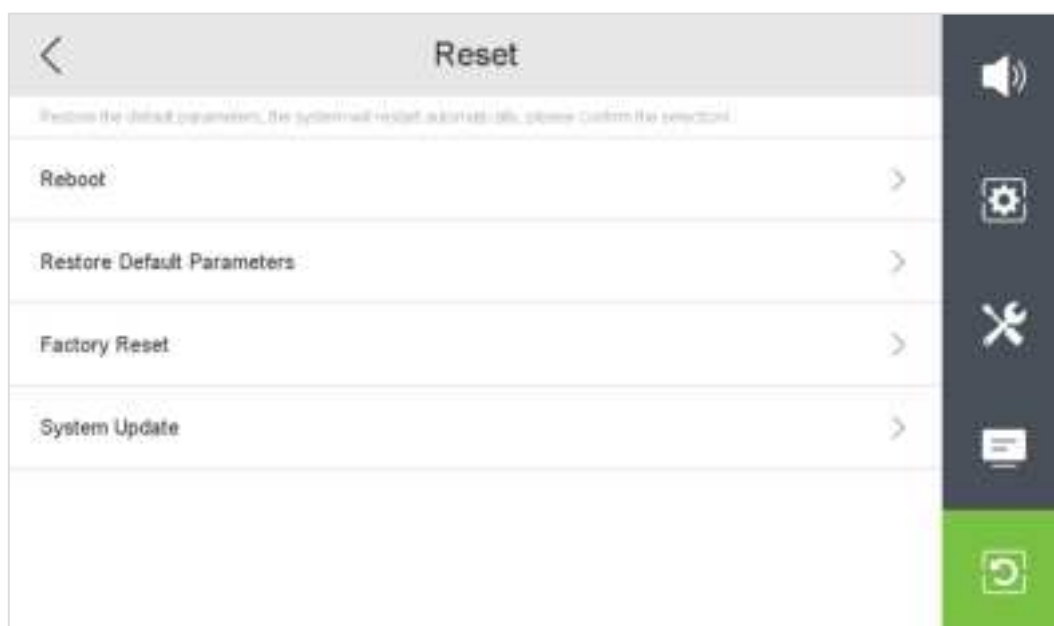
9.4 System Information

Tap  icon on the **Setting** interface. View the device's name, model, firmware version, serial number, UID and version date.



9.5 Reset Settings

Tap  icon on the **Setting** interface to get into its menu options. As shown below.



Function Description

Function	Descriptions
Reboot	Click Reboot , click Sure in the confirmation box that pops up, and the device reboots.
Restore Default Parameters	Click Restore Default Parameters , click Sure in the confirmation box that pops up, and the device reboots. All settings are restored to default except network parameters and access connection device information are not reset.
Factory Reset	Click Factory Reset , click Sure in the confirmation box that pops up, and the device reboots. All information on the device is restored to the factory.
System Update	Click System Update to enter the system upgrade interface, click Detect firmware version , if the correct firmware version is detected, then you can click Update . The device enters the upgrade interface, the progress bar shows the current upgrade progress, and the device reboots automatically after the system upgrade is successful. After reboot, check the device function and version date as expected.

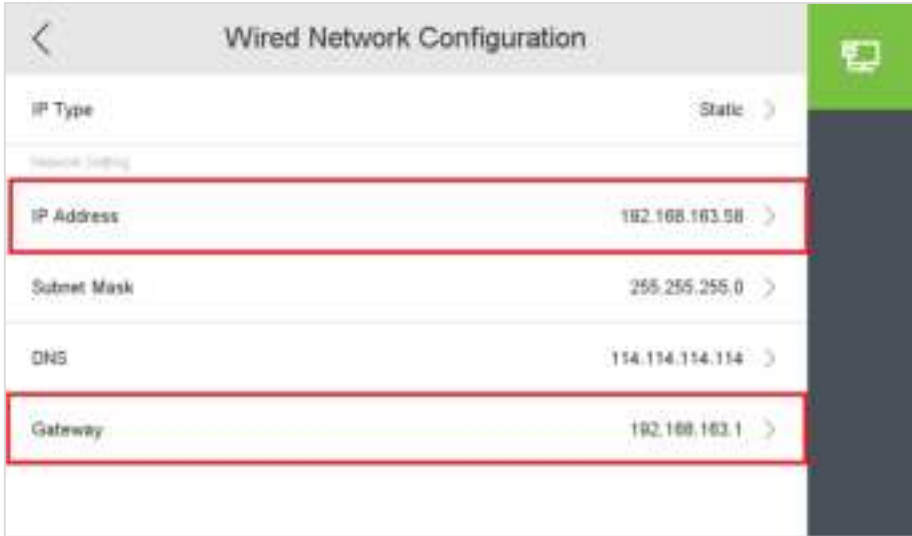
10 Make a Call

10.1 Set the Communication Address

In the LAN, set the IP addresses of the indoor station and the outdoor station in the same network segment.

Indoor station side

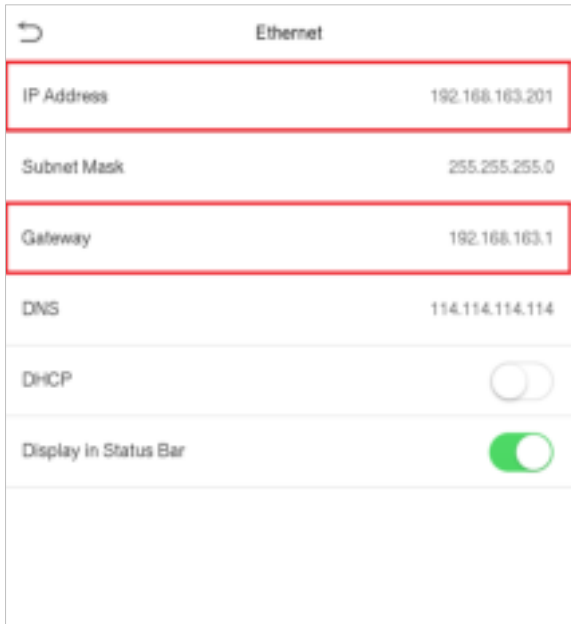
On the **Main Menu**, tap **Network** to set IP address and Gateway address of the indoor station. Examples are as follows.



Wired Network Configuration	
IP Type	Static
Network Setting	
IP Address	192.168.163.58
Subnet Mask	255.255.255.0
DNS	114.114.114.114
Gateway	192.168.163.1

Outdoor station side

On the **Main Menu**, tap **COMM. > Ethernet** to set IP address and Gateway address of the outdoor station.



Ethernet	
IP Address	192.168.163.201
Subnet Mask	255.255.255.0
Gateway	192.168.163.1
DNS	114.114.114.114
DHCP	☐
Display in Status Bar	☒

10.2 Adding outdoor station

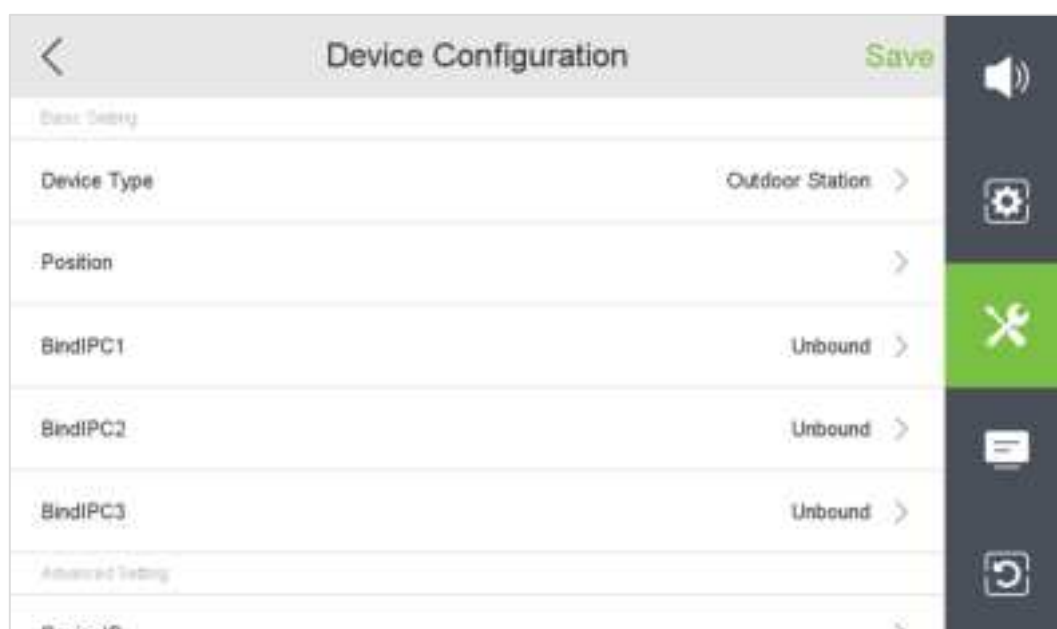
Indoor station side

Tap **Setting** >  **Advanced Setting** > **Device Manage** > **+Add** to add the outdoor station on the indoor station.

Device Type: Set the device type to outdoor station.

Device IP: Enter the IP address of the outdoor station.

After the setting is complete, click **Save** to save and exit.



10.3 Make a Call on the Device

Once the indoor station is configured with the network, the video intercom function can be realized by tap the  icon on the video intercom device screen and enter the IP address of the indoor station in the jumping interface.



When the indoor station receives an incoming call alert, the interface displays as shown below.



Click the  icon and both parties can talk normally. The interface is shown below.



Function	Descriptions
 	Used to set the indoor unit to mute. After the indoor station answers, click the mute icon to block the sound of the indoor station. The indoor station can hear the sound of the outdoor station, but the outdoor station cannot hear the sound of the indoor station. Click again to cancel the mute.
	Click to hang up the current video call.
 	Answer button, click it and both parties can talk normally.
	- The outdoor station is calling the indoor station, but the indoor station is not answering. Click unlock, the indoor station prompts "Door is open" and stops ringing, the voice prompts "Door is open" at the outdoor station, the call from the outdoor station is not interrupted. - The outdoor station calls the indoor station, the indoor station answers and clicks the unlock, the indoor station prompts "Door is open", the outdoor station voice prompts "Door is open", the call is not interrupted.

Appendix

FCC Warning

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator.

Eco-friendly Operation



The product's "eco-friendly operational period" refers to the time during which this product will not discharge any toxic or hazardous substances when used in accordance with the prerequisites in this manual.

The eco-friendly operational period specified for this product does not include batteries or other components that are easily worn down and must be periodically replaced. The battery's eco-friendly operational period is 5 years.

Hazardous or Toxic substances and their quantities

Component Name	Hazardous/Toxic Substance/Element					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr6+)	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Chip Resistor	×	○	○	○	○	○
Chip Capacitor	×	○	○	○	○	○
Chip Inductor	×	○	○	○	○	○
Diode	×	○	○	○	○	○
ESD component	×	○	○	○	○	○
Buzzer	×	○	○	○	○	○
Adapter	×	○	○	○	○	○
Screws	○	○	○	×	○	○

○ indicates that the total amount of toxic content in all the homogeneous materials is below the limit as specified in SJ/T 11363—2006.

× indicates that the total amount of toxic content in all the homogeneous materials exceeds the limit as specified in SJ/T 11363—2006.

Note: 80% of this product's components are manufactured using non-toxic and eco-friendly materials. The components which contain toxins or harmful elements are included due to the current economic or technical limitations which prevent their replacement with non-toxic materials or elements.

ZKTeco Industrial Park, No. 32, Industrial Road,

Tangxia Town, Dongguan, China.

Phone : +86 769 - 82109991

Fax : +86 755 - 89602394

www.zkteco.com



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