



**VR Panorama App
User Manual**

Thanks for buying our company's products, any questions or needs, please contact us at any time.

About this Instruction

This instruction is universal version for VR Panorama APP. The functions supported differentiate to different version, please subject to the version you download.

This instruction is intended to be your reference tool when operating. Please fully understand the information of it before installation and use.

All pictures, images, icons and illustrations that instruction offers, just for explanation and illustration purposes, differences may exist between specific product and this instruction, please subject to the app version you download. Our company will update the contents of this instruction in accordance with the improvement of product features and will regularly improve and update products & Programs described in this manual. Please kindly know that updated content will be added in new version without notice.

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Chapter 1 App Instruction

1.1 Application Environment

VR Panorama can run in phone, pad, includes android and iOS systems. User can connect fisheye camera by phone and pad client. The connection between client and fisheye camera as shown in Figure 2-1. VR Panorama App is used for phone or pad.



Instruction

- App supports phone and pad that with or over Android 4.4 version.
- App supports iPhone and iPad that with or over iOS 9.0 version.
- Supports medium and high resolution Android phones such as 800*480, 1280*720, 1920*1080.
- Supports 1280*800, 1024*768, 2560*1600, 2048*1536 and other high-resolution 7-inch to 10-inch tablet computers.
- Old version VR Panorama can be replaced directly when install new version.
- Supports Simplified Chinese, English.
- This instruction introduces android, iOS system of phone and pad, iPad App. All current and old apps would have difference in icon and layout, please subject to the actual App you use.

Chapter 2 Deployment Diagram of System Structure

Deployment Diagram between devices and phone, pad client as shown in Figure 2-1

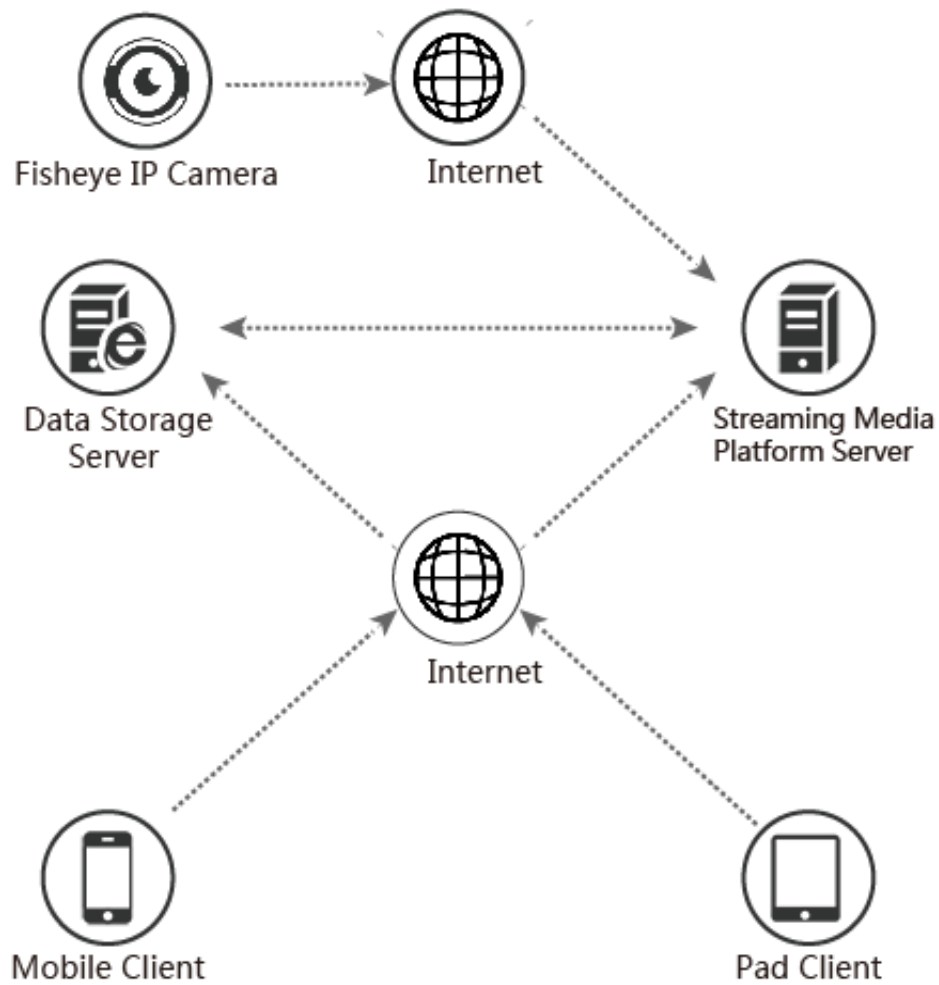


Figure 2-1

Chapter 3 App Function

3.1 Download and Installation

VR Panorama is iPhone, Android phone, pad supported.

VR Panorama Service Procedure: register-->Log in-->Devices Added--> Service Application

■ VR Panorama Download、Installation

VR Panorama download, install the following three ways:

- 1) Using phone and scanning QR code as figure 3-1 shows, download and install “VR Panorama” .

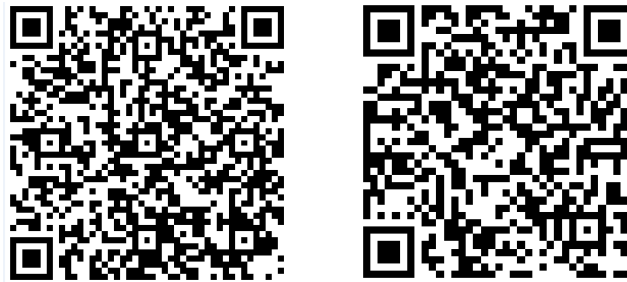


Figure3-1 Android Phone Download iOS phone download

- 2) Android phones can search for "VR Panorama" in the Google App Store; iOS phones can search "VR Panorama" in App Store, download and follow the prompts to complete the installation.
- 3) Download and install the "VR Panorama" client corresponding to the phone at the following address:

Download address for Android:

<https://play.google.com/store/apps/details?id=com.ace.smartcam>

Download address for IOS:

<https://itunes.apple.com/app/id1322339018>

■ VR Panorama Account Register

To run the "Panorama VR" client on the mobile phone or pad, the new user must first register account to log in, as shown in Figure 3-2 below:

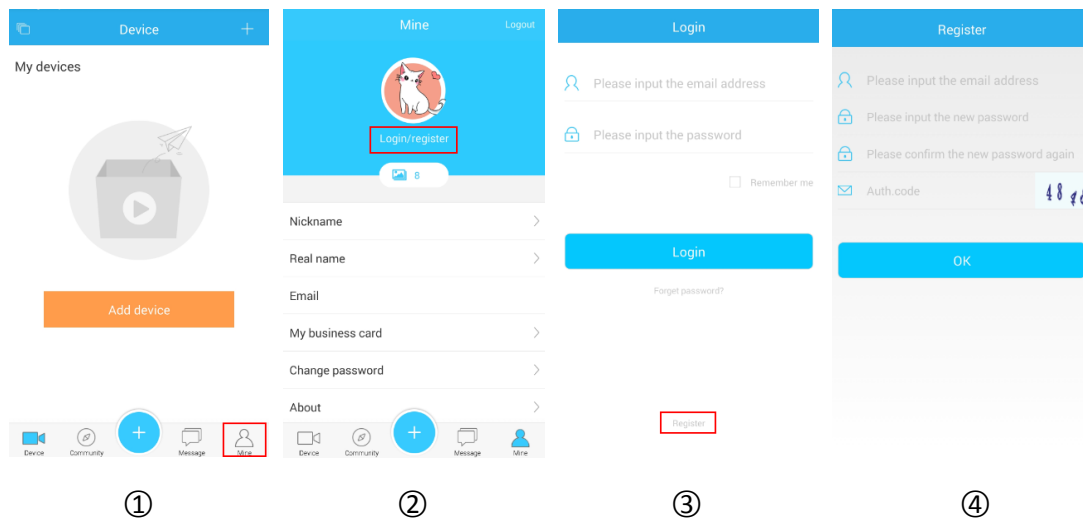


Figure 3-2

- ① Click "Mine" to enter the "Mine" interface;
- ② Click "Login/register" to enter the login interface;
- ③ Click "Register" to enter the register interface;
- ④ Enter the email address, password, confirmation password and verification code, and click OK. The message “Registration is successful” is displayed. The interface automatically jumps to the login interface.

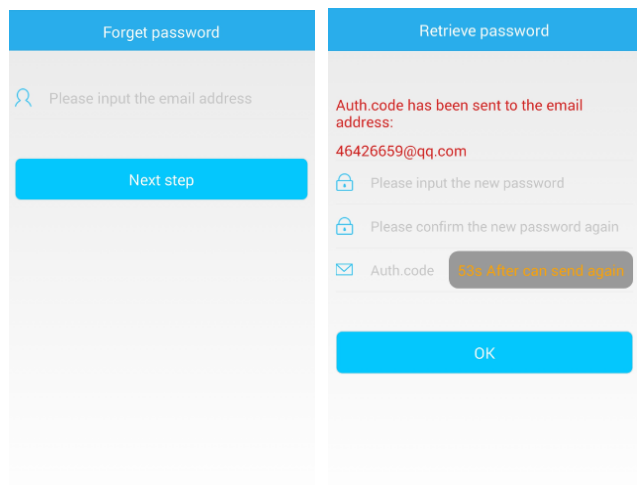
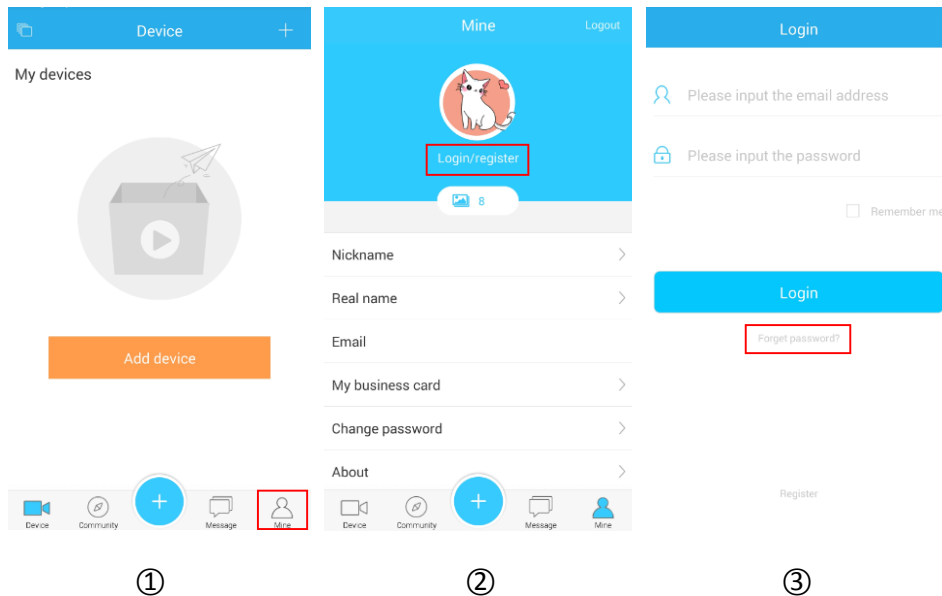


Instruction

- FreeIP and FreeIP Pro Account that already registered can log in directly.

■ Password Recovery

When you forgot password, you can reset it. Steps as shown in Figure 3-3 below:



④ ⑤

Figure 3-3

- ① Click "Mine" to enter the "Mine" interface;
- ② Click "Login/register" to enter the login interface;
- ③ Click "Forget password?" to enter the "Forget password" interface;
- ④ Enter the email account, and click "Next step" to enter the "Retrieve password" interface.
- ⑤ Enter the new password, confirm the password and verification code (the verification code sent to the mailbox to find the verification code), click "OK", the interface will automatically jump to the login interface, reset the password successfully.



Instruction

- Reset password, account when registering must be entered and the account must be valid email, can log in and receive email.



3.2 Menu Introduction

VR Panorama App's menu in the App interface below, by the "Device", "community", "+", "Message" and "Mine" five parts, run the client App into the device interface, Phone App menu as shown in Figure 3-4:



Figure 3-4

The menu for more functionality, as shown in the following Table 3-1:

Android/iPhone	Description
 Device	Click to enter the "Device" interface, in the interface can view the device list, add equipment and other operations.
 Community	Click to enter the "community" interface, in the interface to view the VR members to publish content, comments, point praise.




	<p>Click to enter the "Device management", "Publish MSG", "Add device" interface. Which "Device management" can add, delete, and modify the device and groups; "Publish MSG" can publish information to the community; "Add device" can add VR devices to each group.</p>
 Message	<p>Click to enter the "message" interface, in this interface to view the event message, verify the message and enter the "Friend list" interface, contact and manage friends.</p>
 Mine	<p>Click to enter the "Mine" interface, in the interface can modify the nickname, real name, password and other personal information and App version view and update.</p>

Table 3-1

3.3 Device

The device interface shows added devices for adding, setting devices, previewing and playing back device video. The device interface is shown in Figure 3-5.

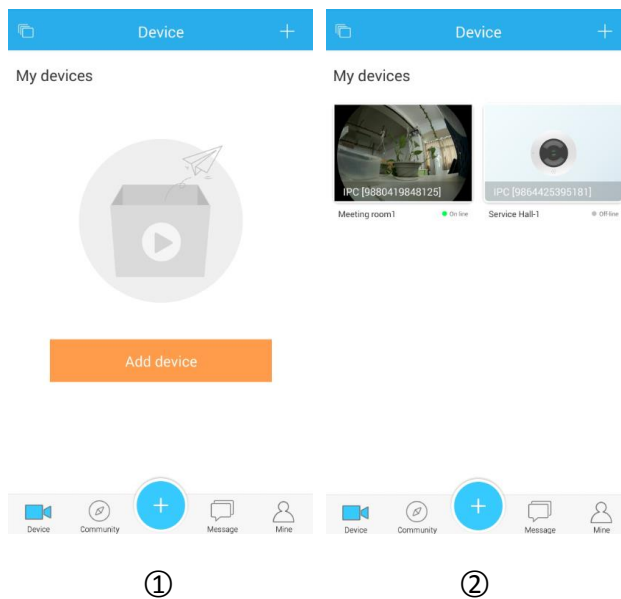




Figure 3-5

Device interface button function, as shown in the following Table 3-2:

Android/iPhone	Description
	<p>Device grouping, click pop-up current account existing group, select group, view the group of equipment</p>
	<p>Click on the "+" or "Add Device" in the upper right corner to select the adding method to add a device.</p>

my device	Displays the currently selected group of devices
-----------	--

Table 3-2



Instruction

- Slide the phone screen to switch between other interfaces.


3.3.1 Add device

On the device interface, click "Add Device" or the "+" button on the upper right corner to enter the "Choose type" interface and select Add Device Mode.

There are five ways to add a device: Serial number Add, AP mode, WiFi smartconfig, AP local device, and bind the sharing device.



Instruction

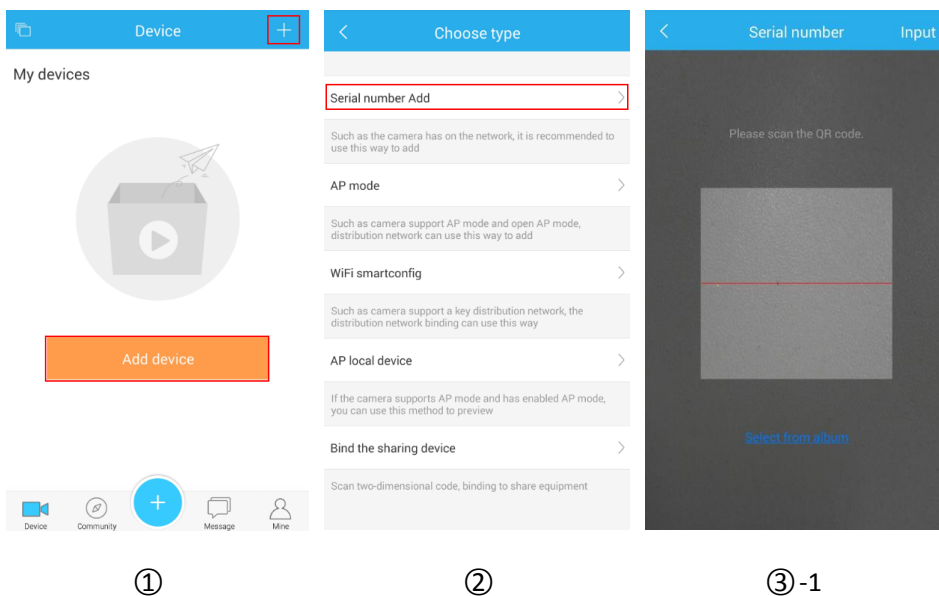
- On the " " screen, select " " to enter the Add Device "Select Type" interface.

■ **Serial number Add**

Select the serial number to add equipment, note:

1. Connect the device with internet, turn on P2P and make sure it is online.
2. Configure the mobile phone network, connected to the WIFI.

Serial number add device as shown in Figure 3-6 below:



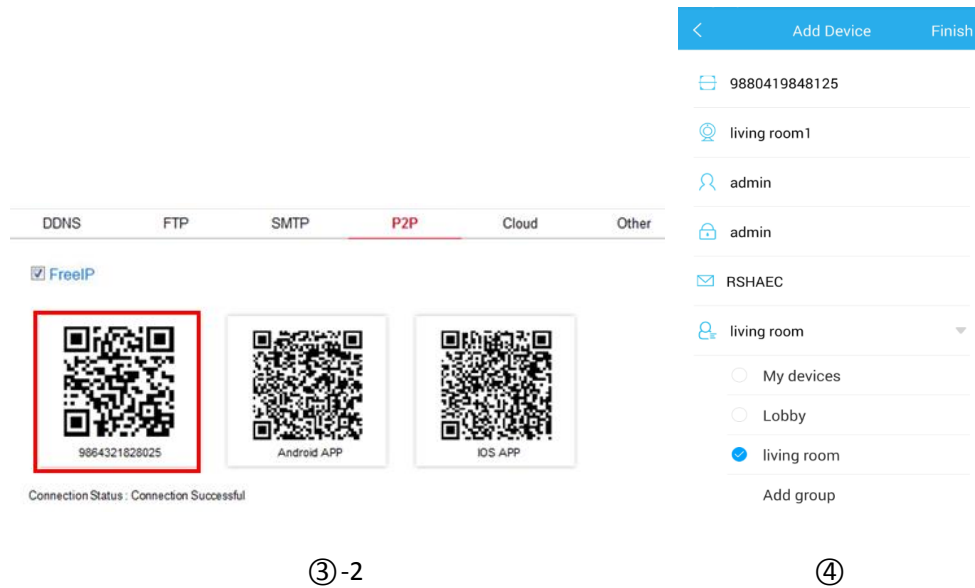



Figure 3-6

- ① On the "Device" interface, click "Add Device" or "+" in the upper right corner;
- ② Click "Serial number Add";
- ③ Align the QR code of the device body or the P2P interface to scanning;
- ④ Enter the device name, account number, password, select the device group, click "Finish", interface prompts "Bind successful", and the added device is displayed in the device list.



Instruction

- When adding a device, you can also manually enter the serial number to add the device.
- When adding a device, you can also select the device serial number QR picture to add the device.
- The device verification code is on the device body label and on the box.
- When adding a device, you must ensure that the device is online before it can be added successfully.
- When adding a device, the user name, password and verification code must be consistent with the actual, otherwise the device will be added to fail.
- When the device is not properly grouped, you can add a new group when selecting a group, click "Add group" → enter the group name → click "Ok" → select New Group → click "Finish". The device is successfully bound, click " " in the upper left corner → select "Add new group" → The device is displayed in the newly added group list, as shown in Figure 3-7.

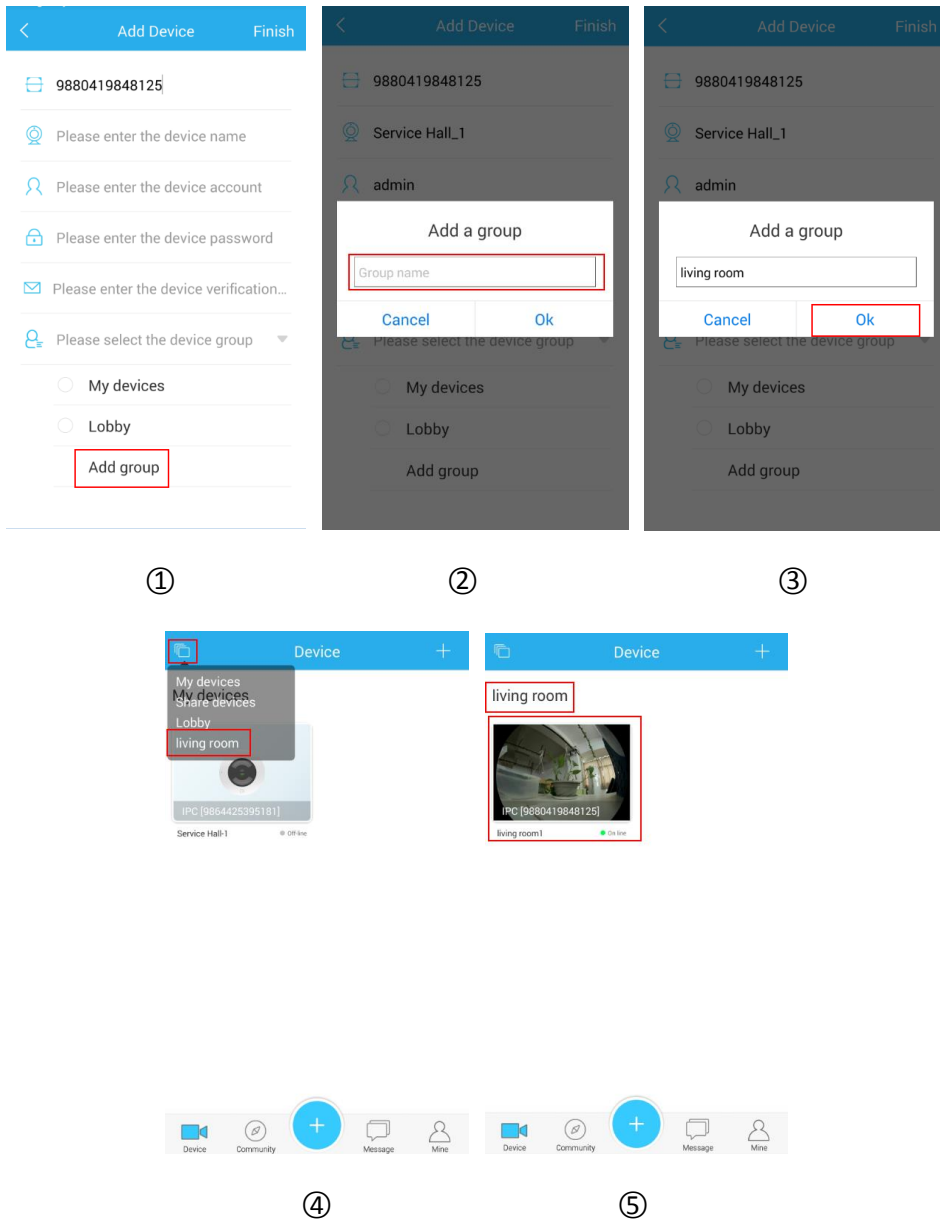


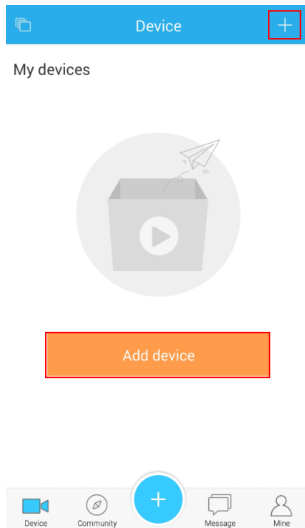
Figure 3-7

■ AP mode

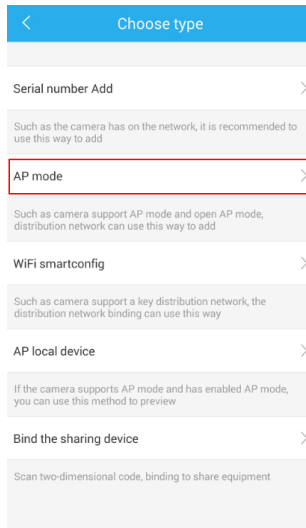
Select the AP mode to add equipment, note:

1. Make sure the device supports AP mode.
2. Turn on the AP mode and insert the reset pin into the Reset hole. Double-click the button twice to hear the voice prompt “Startup AP mode”. The device enters the AP mode.

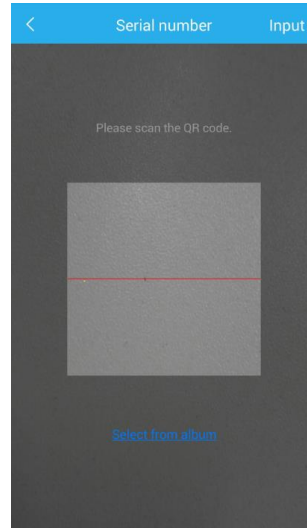
AP mode add device as shown in Figure 3-8 below:



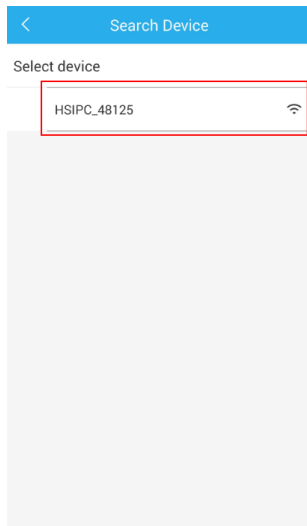
①



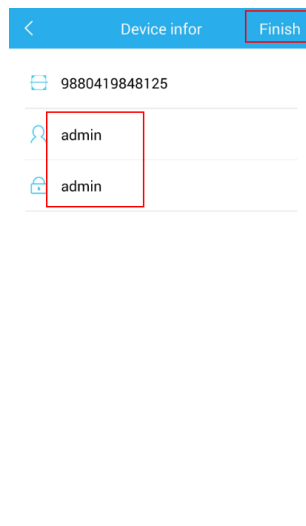
②



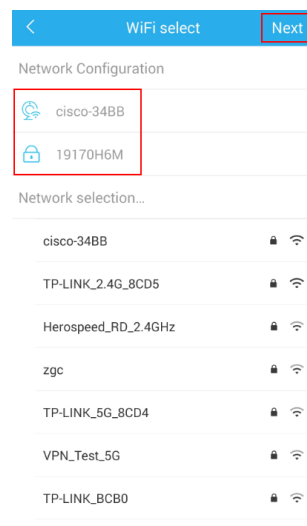
③



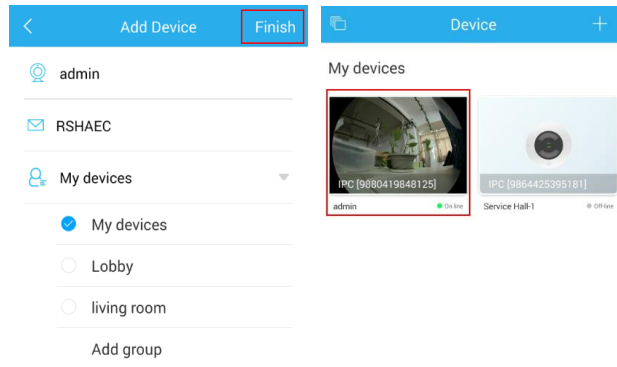
④



⑤



⑥



⑦



⑧

Figure 3-8

- ① On the "Device" interface, click "Add Device" or "+" in the upper right corner;
- ② Click "AP mode";
- ③ Align the QR code of the device body to scanning;
- ④ Select camera WiFi hotspot name (such as WiFi hotspot name HSIPC_XXXXX);
- ⑤ Enter the account number, password, click "Finish";
- ⑥ Configure the network for the camera, select the router's WiFi name and enter the password, and click "Next".
- ⑦ Wait for the device "Receiving successful!" and "Connection established!" voice prompt.
Enter the device name and verification code, select the device group, and click "Finish".
- ⑧ The interface prompts "Bind successful", and the added device is displayed in the device list.

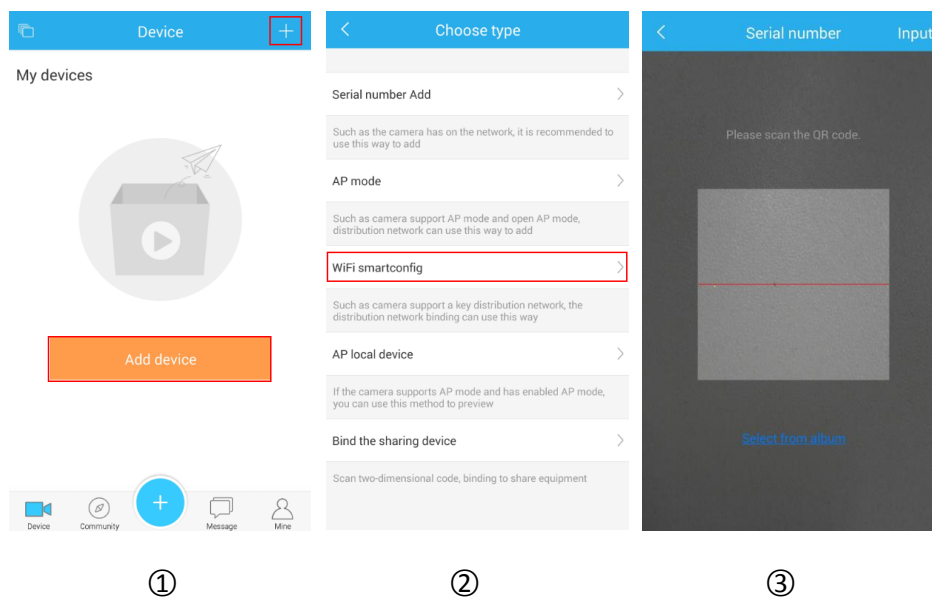


Instruction

- When waiting for the device to receive successfully and connect successfully, the system prompts you to confirm whether the router's WiFi password is correct and retry the AP network distribution mode if the device fails to receive or connect.

WiFi smartconfig

WiFi smartconfig add device as shown in Figure 3-9 below:



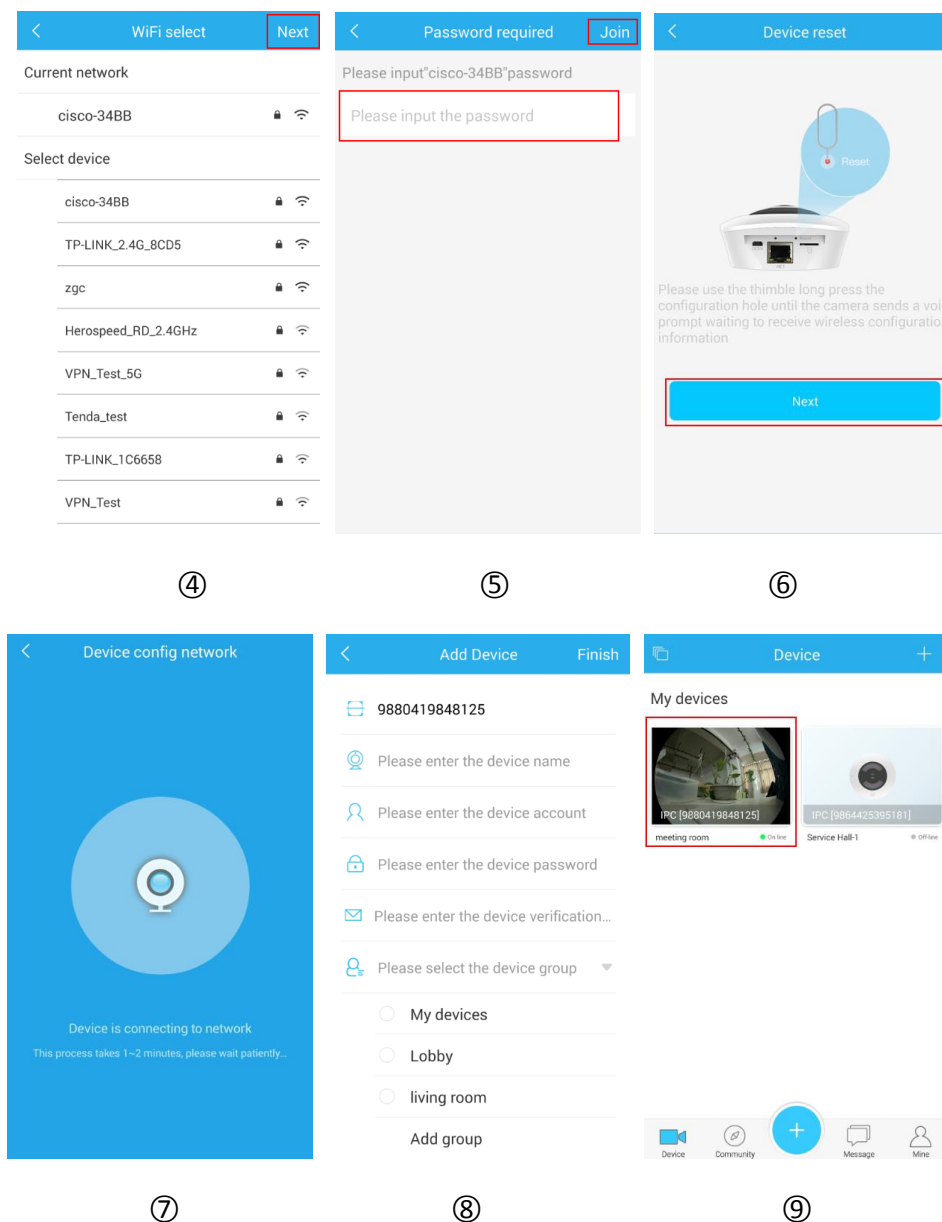


Figure 3-9

- ① On the "Device" interface, click "Add Device" or "+" in the upper right corner;
- ② Click "WiFi smartconfig";
- ③ Align the QR code of the device body to scanning;
- ④ Select WiFi to configure the device and click "Next ";
- ⑤ Enter the WiFi password, click "join";
- ⑥ Please use the thimble long press the configuration hole until the camera sends a voice prompt waiting to receive wireless configuration information, and click "Next";

⑦ Waiting for the success of the device distribution network, this process take 1 to 2 minutes.

When the device hears the voice prompts "Receiving successful" and "Connection is established", the device distribution network is successful;

⑧ Enter the device name, account number, password, and verification code, select the device group, and click "Finish";

⑨ The interface prompts "Bind successful", and the added device is displayed in the device list.



Instruction

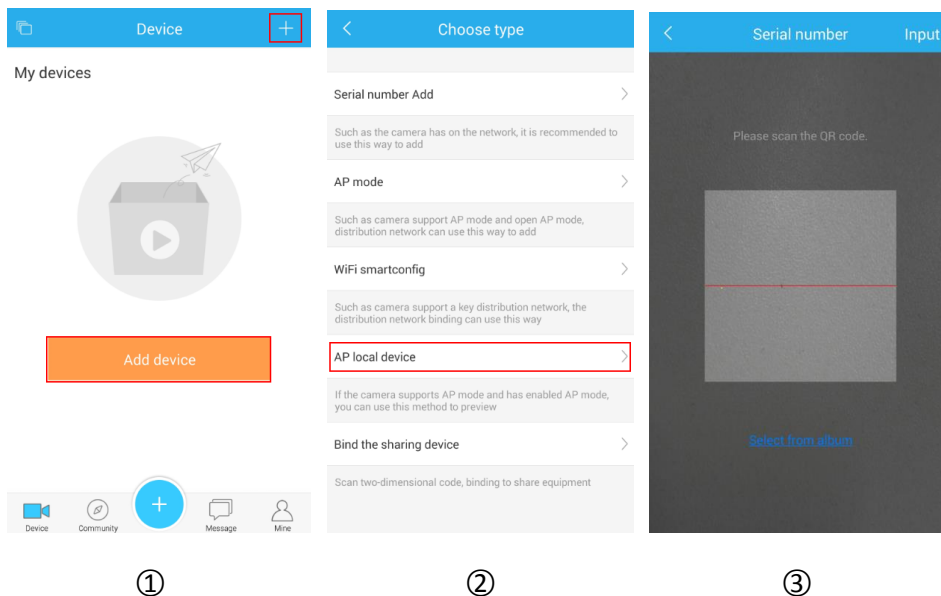
- The factory default WiFi smartconfig function mode.
- Before WiFi smartconfig, make sure the device is turned on (yellow light) and the phone is connected to the wireless network.
- In WiFi smartconfig, if the device voice prompt “wait for timeout” , the device must re-enter the WiFi smartconfig mode, and the App must return to the device type interface to re-select the distribution network.

■ AP local device

Select the AP mode to add equipment, note:

1. Make sure the device supports AP mode.
2. Turn on the AP mode and insert the reset pin into the Reset hole. Double-click the button twice to hear the voice prompt “Startup AP mode” . The device enters the AP mode.

AP local device as shown in Figure 3-10 below:



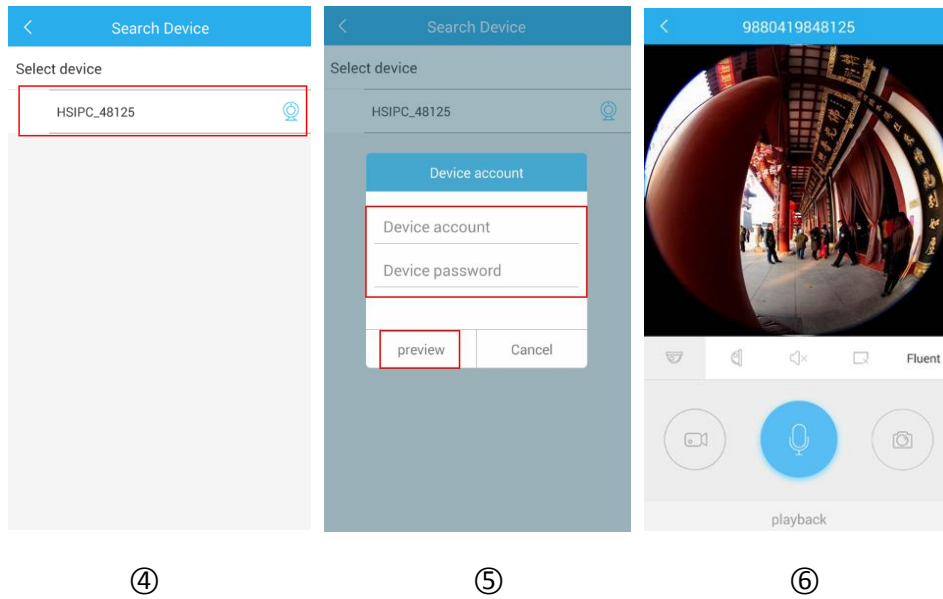


Figure 3-10

- ① On the "Device" interface, click "Add Device" or "+" in the upper right corner;
- ② Click "AP local device";
- ③ Align the QR code of the device body to scanning;
- ④ Select device WiFi hotspot;
- ⑤ Enter the device account and password, click "preview";
- ⑥ Preview device real-time video.



Instruction

- AP local device does not support the device to add to the device list, each preview or playback, need to re-search on the LAN, enter the device name, password, and click "preview".
- The factory default WIFI smartconfig mode, if you need to use the alarm recording and common recording functions, you must add the device to bind to the account.
- The AP local device enables the phone to connect to the camera WiFi hotspot. If you turn off the panoramic VR, it is recommended to reset the phone WiFi.

■ Bind the sharing device

Bind the sharing device as shown in Figure 3-11 below:

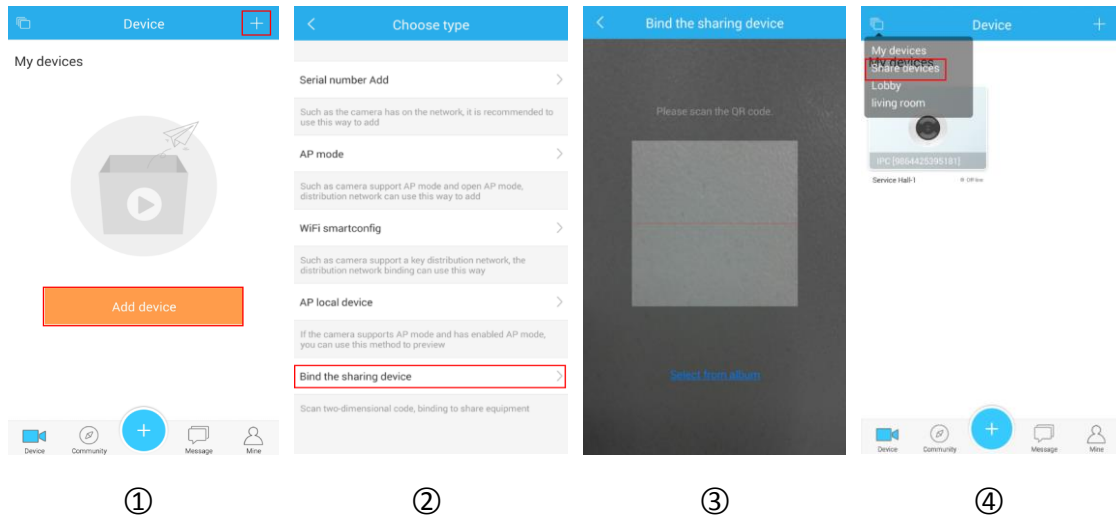



Figure 3-11

- ① On the "Device" interface, click "Add Device" or "+" in the upper right corner;
- ② Click "Bind the sharing device";
- ③ Align the QR code of the sharing device to scan;
- ④ The message "Bind successful" is displayed. The binding device is displayed in the "share devices" share devices group.




Instruction

- Bind sharing devices can choose to "select from album" to share the device QR code picture binding.
- View sharing device: Click " in the upper left corner of the "Device" interface → select "share device" group → click share device.
- A bind-share device is a device that is bound to another account and has only preview and playback rights for that device.

3.3.2 Device list

The device list can be used to view the grouping of accounts, real-time videos and videos of devices and devices in the group, and set the device.

■ View group

Click " in the upper left corner, view the group, select the group, the interface displays the device under the group, as shown in Figure 3-12:

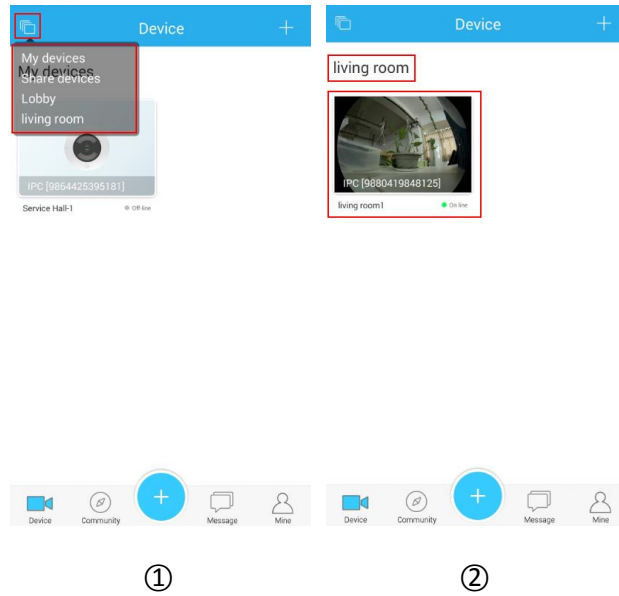


Figure 3-12

■ **Preview live video**

Step 1: In the device list, select the device, enter the real-time preview interface, and play the device real-time video, as shown in Figure 3-13 ① ② below:

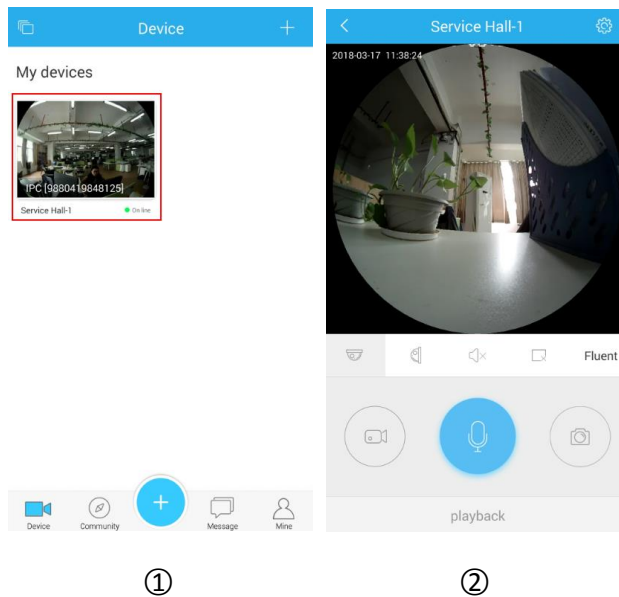
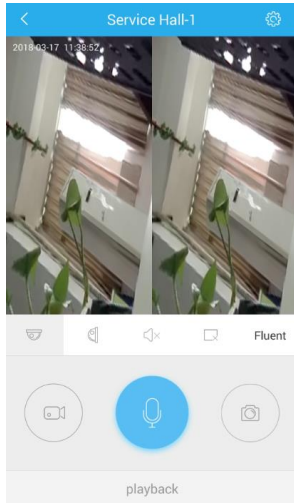


Figure 3-13

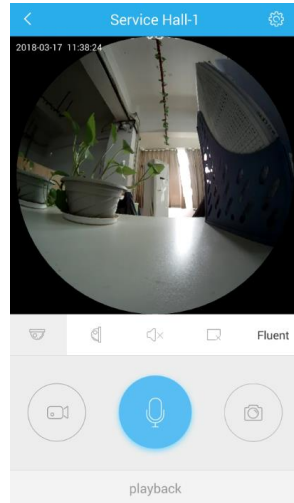
Step 2: According to the installation method of the VR device, click "👁" to select the top type or click "👁" to select the wall-mounted preview video; when the top type is selected, the preview mode includes top view VR mode, fisheye mode, single-screen mode, and quad screen mode, dual screen mode, and cylinder mode can be switched, as shown in Figure 3-14 ① ② ③

④ ⑤ ⑥; When choosing wall-mounted, you can switch fish eye wall-hanging mode and

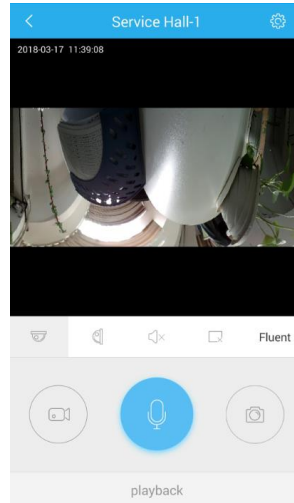
Corrective mode preview video, as shown in Figure 3-14 ⑦ ⑧;



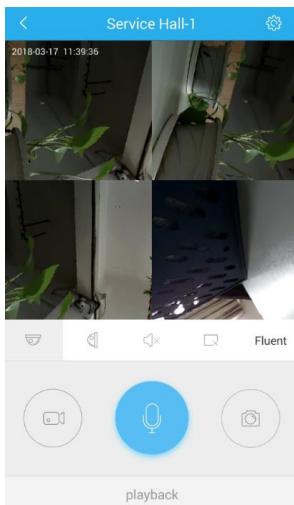
①



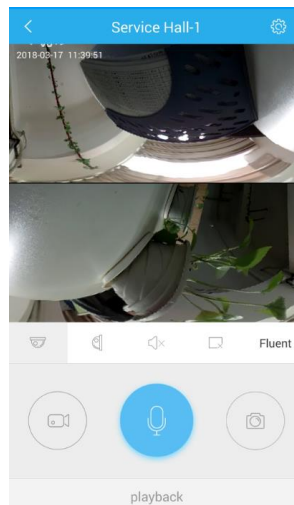
②



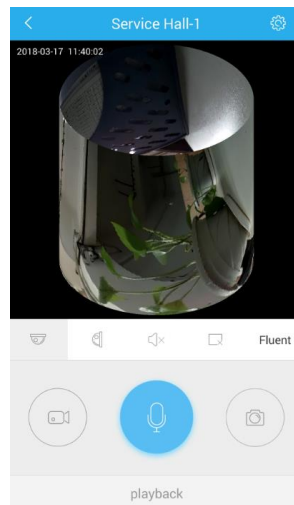
③



④



⑤



⑥

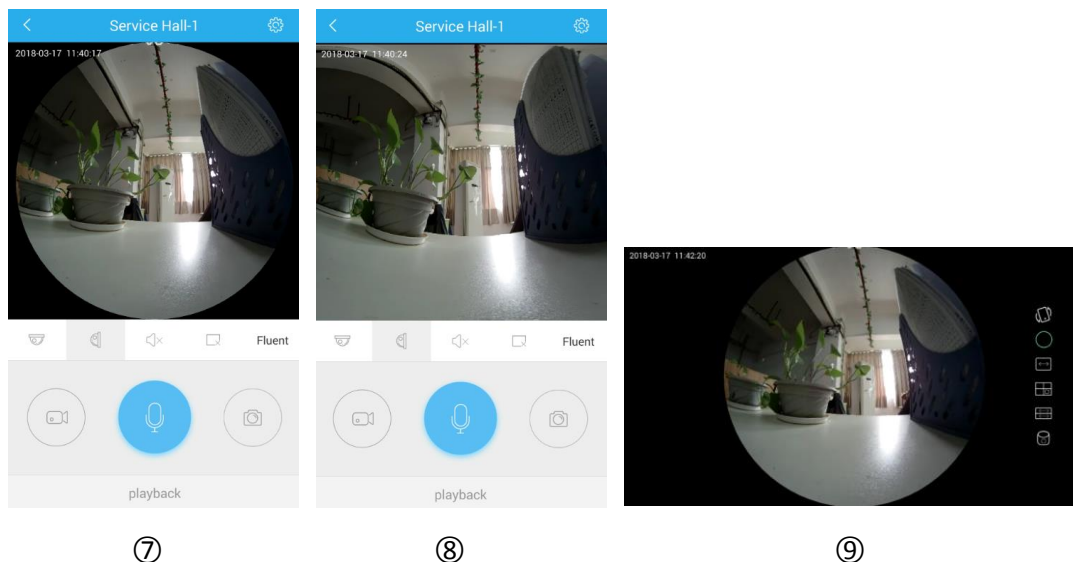


Figure 3-14

Get more functions in the bottom tool bar, as shown in the following Table 3-3:

Android/iPhone	Description
	Top Mode
	Top VR Mode
	Fisheye Mode
	Single Expansion Mode
	Four-Screen Mode
	Dual-Screen Expansion mode
	Cylinder Mode
	Wall-mounted Mode
	Fisheye Wall-mounted Mode
	Fisheye correction mode
	Audio Open / Close
	Close / Open Current Channel
Fluent/BD/HD	Definition (stream) switch
	Start/ Stop recording



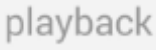

	Press and hold the voice talk with the device side
	Capture
	Click to enter the "playback" interface.
	Click to enter the "Camera settings" interface.

Table 3-4




Instruction


- The device video can only be previewed when the device is online.
- When the video is previewed in the horizontal screen of the mobile phone, the screen automatically enters the horizontal screen mode and supports other modes, as shown in Figure 3-14 ⑨ above.

■ Playback

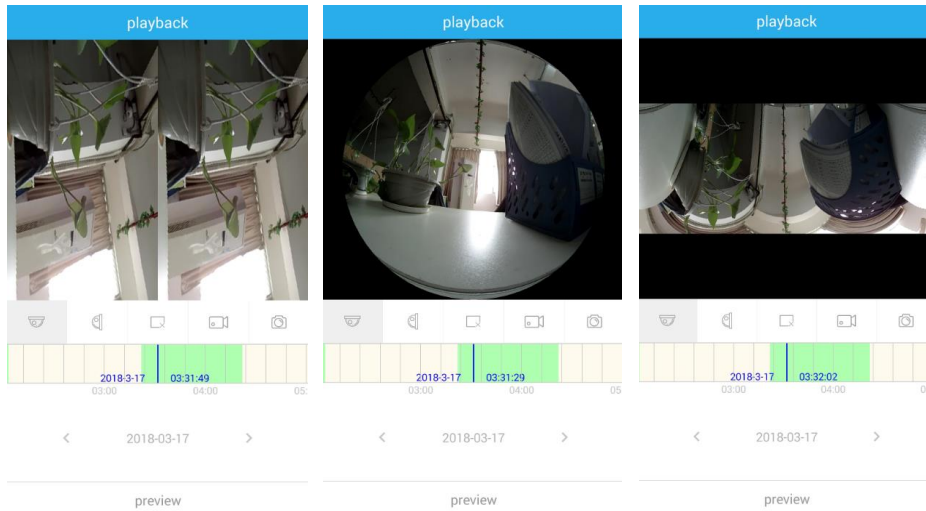
VR Panorama app history playback uses for playback the video which record in IPC TF Card. Check playback steps as follows:

Step 1: In the device real-time preview interface, click the "playback", enter the playback interface, as shown in Figure 3-15 ②:

Step 2: According to the installation method of the VR device, click " " to select the top type

or click " " to select the wall-mounted playback; when the top type is selected, the preview mode includes top view VR mode, fisheye mode, single-screen mode, and quad screen mode, dual screen mode, and cylinder mode can be switched, as shown in Figure 3-15 ① ② ③ ④ ⑤

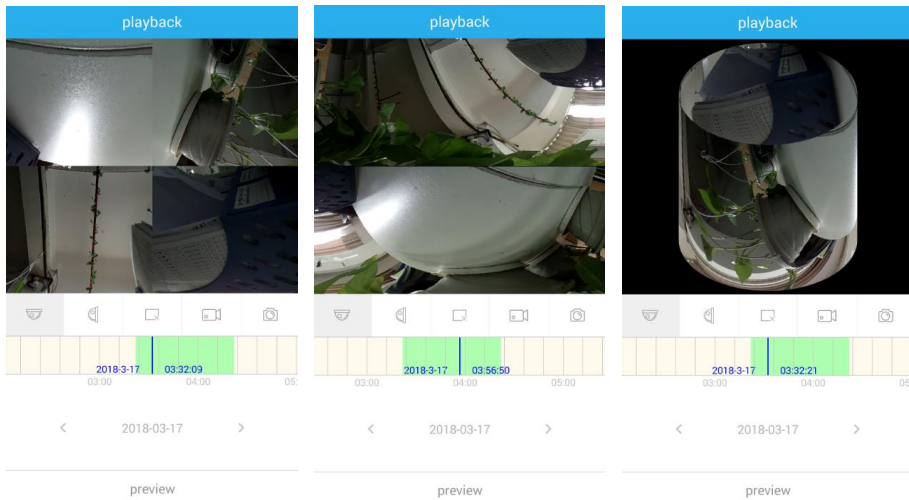
⑥; When choosing wall-mounted, you can switch fish eye wall-hanging mode and Corrective mode preview video, as shown in Figure 3-15 ⑦ ⑧;



①

②

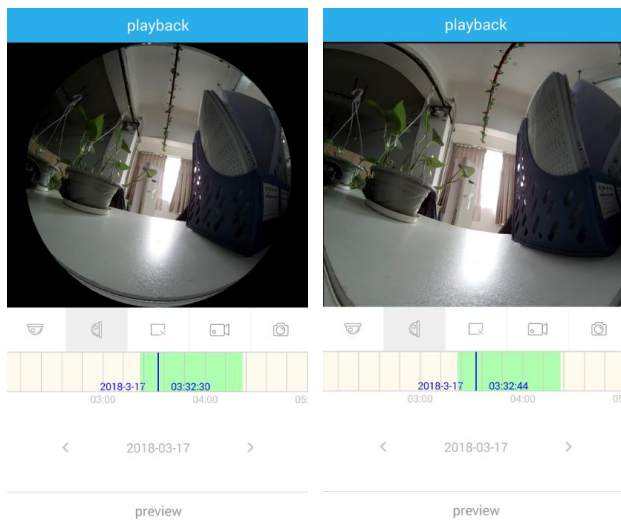
③



④

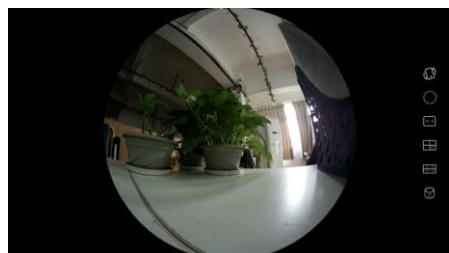
⑤

⑥



⑦

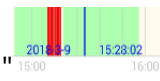
⑧



⑨

Figure 3-15

Step 3: When recording, press the "" button on the playback interface

to switch back to other date recordings, or you can drag the "" timeline to switch other times to play the current channel date.

Get more functions in the bottom tool bar, as shown in the following Table 3-3:













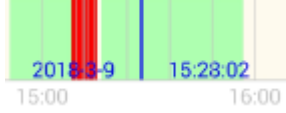




Android/iPhone	Description
	Top Mode
	Top VR Mode
	Fisheye Mode
	Single Expansion Mode
	Four-Screen Mode
	Dual-Screen Expansion mode
	Cylinder Mode
	Wall-mounted Mode
	Fisheye Wall-mounted Mode
	Fisheye correction mode
	Audio Open / Close
	Close / Open Current Channel
	Time axis, you can switch between the left and right axis to switch the video playback time
	Start/ Stop recording
	Calendar, click the left and right arrows to switch other dates to view the video
	Capture
	Click to return to the " preview " interface

Table 3-4



Instruction

- When the video is played in the horizontal screen of the mobile phone, the screen automatically enters the horizontal screen mode and supports other modes, as shown in

Figure 3-15 ⑨ above.

■ Camera Settings

Camera settings consist of general settings, function settings, alarm settings, video settings, and account setting. In the device real-time preview interface, click "⚙️" to enter the camera settings

interface, as shown in Figure 3-16 ① ②:

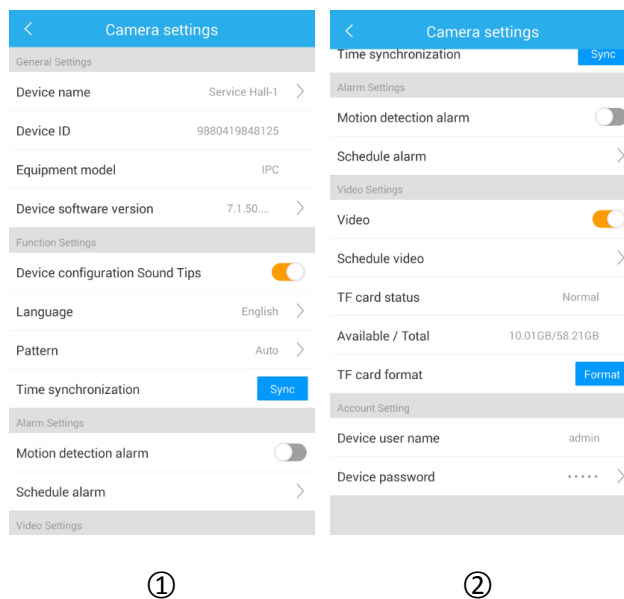


Figure 3-16

➤ **General Settings**

The general setting is composed of the Device name, Device ID, Equipment model, Device software version. The details are shown in Table 3-5 below.

Android/iPhone	Description
Device name	Click to enter the "Device name" interface, modify and click "Finish" to save the changes.
Device ID	For non-modifiable items, display equipment serial number.
Equipment model	For non-modifiable items, display equipment type
Device software version	Click to enter the "device software version" display interface, display the current firmware version of the device, click "Check update", such as online has a newer version, can upgrade online here. After the upgrade is successful, the

	device has voice prompts.
--	---------------------------

Table 3-5

➤ Function Settings

The function setting is composed of the Device configuration Sound Tips, Language, Pattern, and Time synchronization. The details are shown in Table 3-6 below.

Android/iPhone	Description
Device configuration Sound Tips	Turn on / off the device tone and turn it on by default
Language	Select the device beep language (Chinese / English), the default is English
Pattern	Select the device to view the real-time video mode (Auto /Daylight / Night), the default is Auto, when the choice Auto, the device automatically according to the light brightness switch light board to ensure the quality of equipment image; when selected during the Daylight, the device video regardless of day or night are color; When the choice of Night, the device video both day and night are black and white.
Time synchronization	Click the Sync button to synchronize the device time with the phone time.

Table 3-6

➤ Alarm Settings

The alarm setting is composed of the motion detection alarm, and schedule alarm. The details are shown in Table 3-7 below.

Android/iPhone	Description
Motion detection alarm	Turn on / off the device motion detection alarm, the default is turned off.
Schedule alarm	Set the device alarm schedule, support repeat, modify, delete the alarm time.

Table 3-7

➤ Video Settings

The video setting is composed of the Video, Schedule video, TF card status, Available/Total, and TF card format. The details are shown in Table 3-8 below.

Android/iPhone	Description
Video	Turn on / off camera recording, which is recorded automatically according to the "schedule video" schedule, automatically stored in the TF card.
Schedule video	Set the camera recording schedule, you can add, delete, and modify the video schedule.
TF card status	Display TF usage status, such as "no card", "normal", "abnormal".

Available / Total	Displays the remaining free space / total capacity of the TF.
TF card format	Click "Format" → "OK" to format the card into the device support format.

Table 3-8



Instruction

- When the card is abnormal, the TF card can be formatted and the card can be formatted into the device support mode.

➤ **Account Setting**

The account setting is composed of the Device user name and Device password. The details are shown in Table 3-9 below.

Android/iPhone	Description
Device user name	Displays the device user name.
Device password	Modify the device password, modify and click "Finish" to complete the modification.

Table 3-9

3.4 Community

The community is used to provide customers with a communication platform and publish any ideas such as equipment, weather, food, and new things. It is a spiritual communication between the users of the panoramic VR. In the community, you can publish content reviews and likes to others. The community is as shown in Figure 3-17.

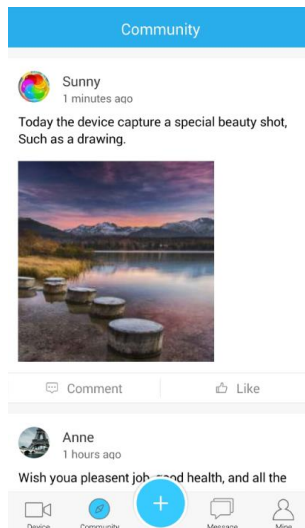


Figure 3-17



Instruction


- Each event in the community shows the publisher’s account nickname and time in the panorama VR, where the time of publication is from the time of posting to the current time..

3.4.1 Comment

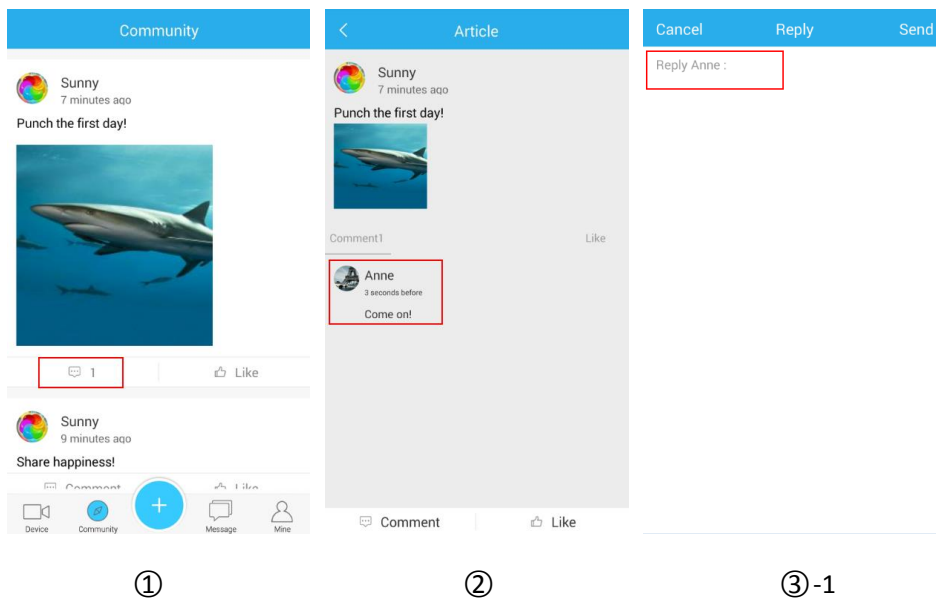
➤ Write a comment as shown in figure 3-18 below:



Figure 3-18

- ① On the "Comment" interface, click "  Comment " below the comment event to enter the comment interface. (When the event has a comment, click "Comment" → "Comment" to enter the write comment interface);
- ② Click "Write comment...";
- ③ The comment is displayed in the "Article" of the event.

➤ Reply to comments as shown in figure 3-19 below:



①

②

③-1

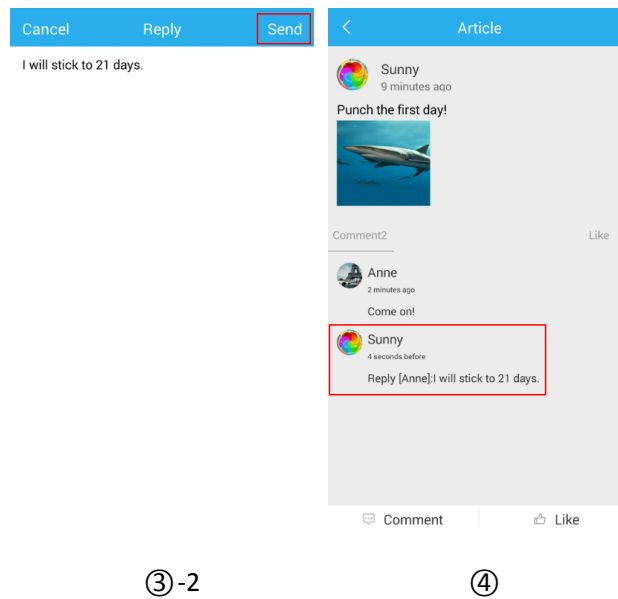



Figure 3-19

- ① On the "Comment" interface, click "Comment" to reply to the event and enter the "Article" comment interface;
- ② Click the comment you want to reply to enter the reply interface;
- ③ Enter the reply content and click "send" to complete the operation;
- ④ The article interface shows the reply to the comment.



Instruction

- Multiple comments on the same event can be made.
- Supports commenting on your own postings, but does not support replying to your own comments.
- Post events, ideas, click "  " → "Publish MSG" to share new things.

3.4.2 Like

Like the point of publishing the event as shown in Figure 3-20:

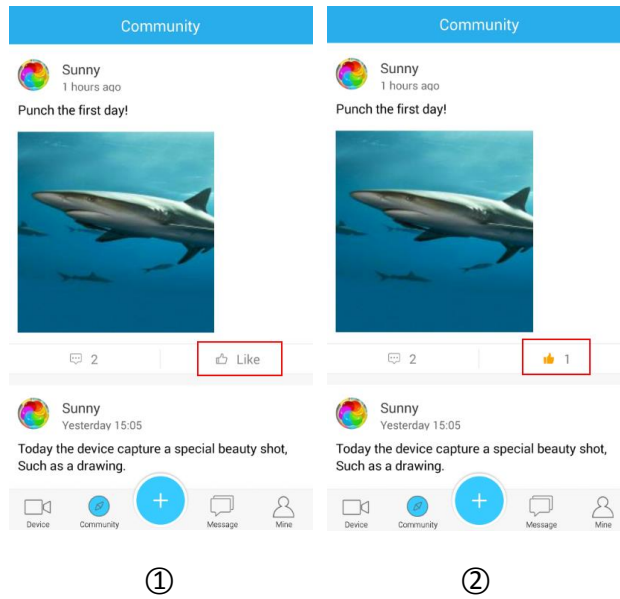


Figure 3-20

- ① On the comment interface, click " Like " below the news;
- ② Like button Shows Liked Number of Events.



Instruction

- Cancel likes: Click on the Like button again to cancel it.

3.5 Add

The Add consists of "Device management", "Publish MSG", and "Add device". The Add interface is shown in Figure 3-21.

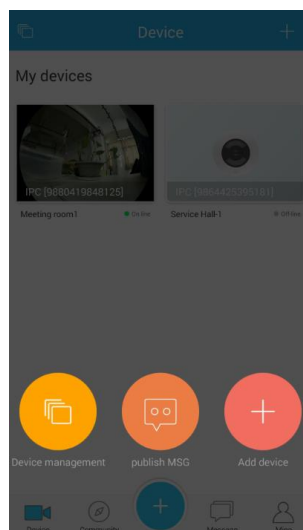



Figure 3-21

3.5.1 Device management

Device management can add, modify, delete group and delete, modify the device name, and

share devices in each group. On the "" page, click "Device Management" to enter the device management interface and display all the current groups, as shown in Figure 3-22 below:

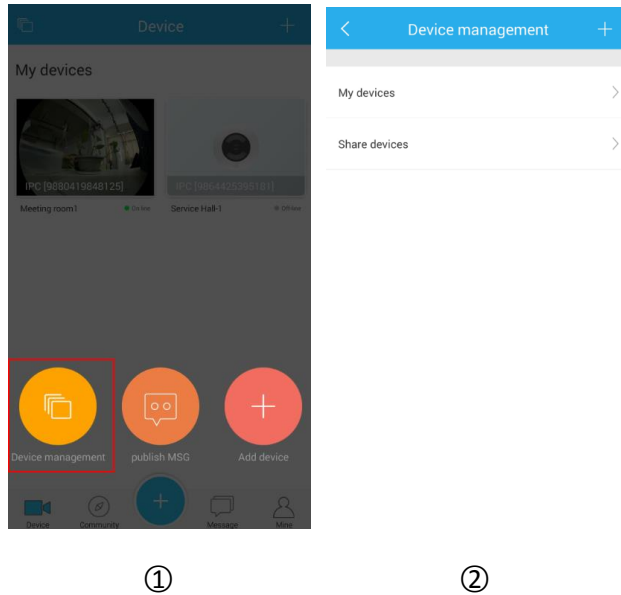


Figure 3-22

■ Add a group

On the "Device Management" interface, click "+" in the upper right corner of the device management interface, enter the group name, and click "OK" to complete the operation. The new group is displayed in the device management list, as shown in Figure 3-23 ① ② ③:

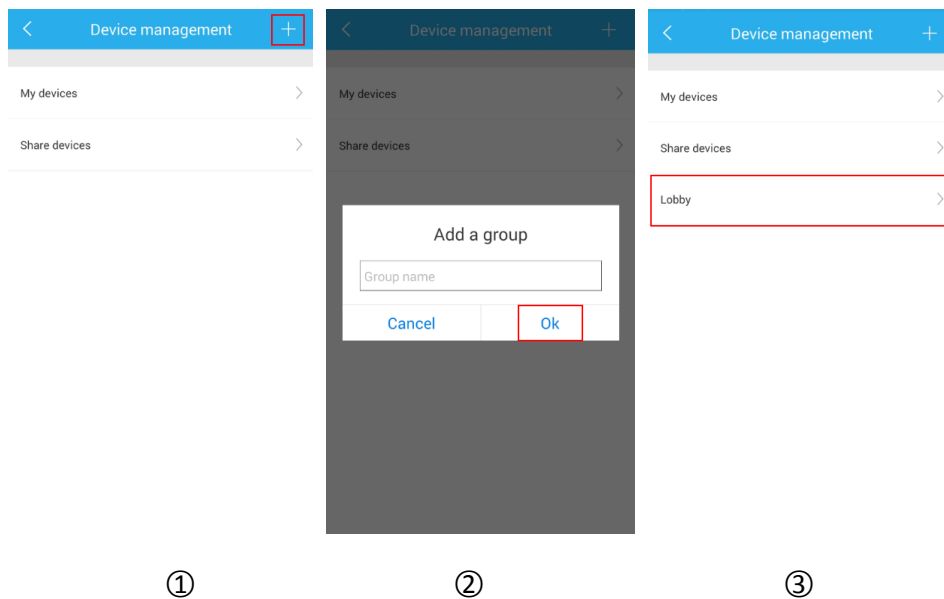


Figure 3-23

■ **Modify group name**

On the "Device Management" interface, click the group you want to modify, click "✎" in the upper right corner, enter the group name, and click "OK" to complete the operation. The modified group is displayed in the device management list, as shown in Figure 3-24 ① ② ③:

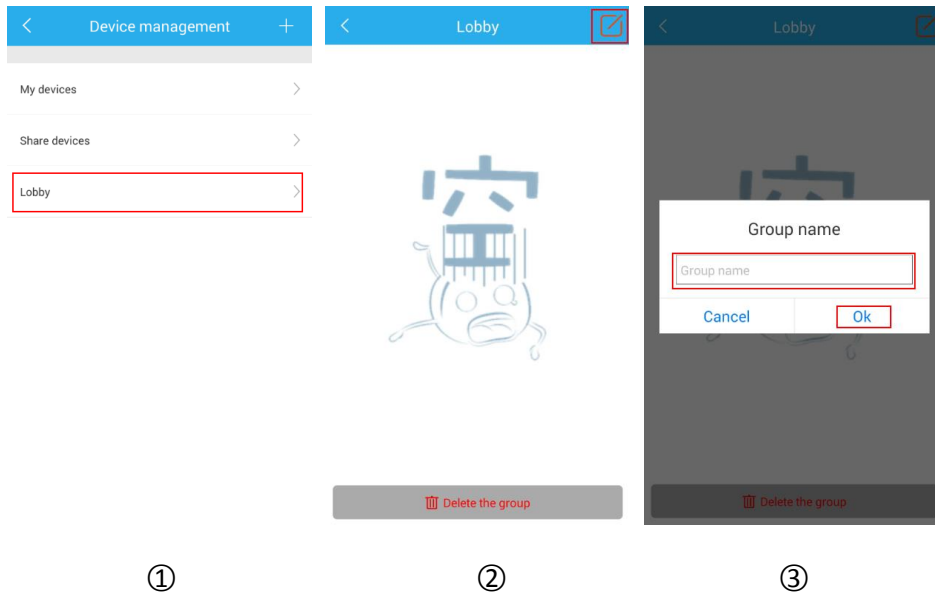


Figure 3-24

■ **Delete group**

On the "Device Management" interface, click the group you want to delete, click "Delete the group", and click "Finish" to complete the operation. The group is removed from the device management list, as shown in Figure 3-25 ① ② ③:

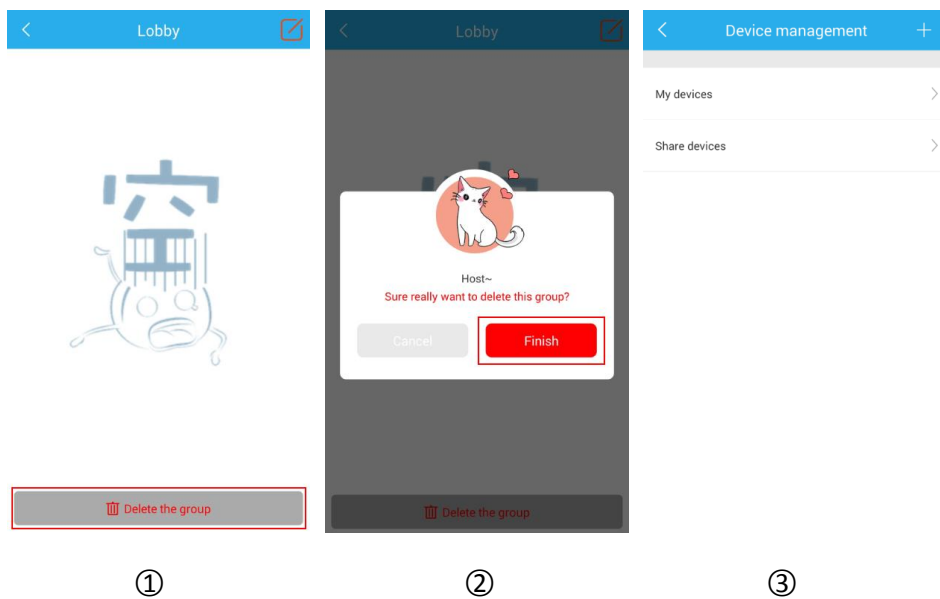


Figure 3-25



Instruction

- After the group is deleted, all the devices in the group will be put in the default group (My devices).
- In the device list, the default groups "My devices" and "Share devices" cannot be edited, modified, or deleted.

■ Device detail

On the "Device Management" interface, click the group where the device is located and select the "device". The device detail page is displayed, as shown in Figure 3-26 ① ② ③; the interface can edit the device name, view device sharing, share devices, and delete devices.

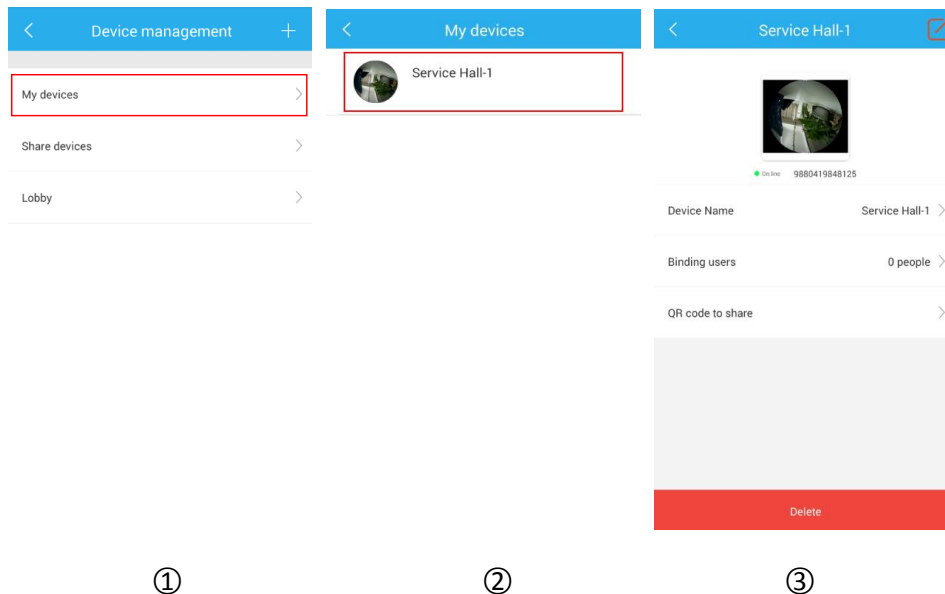


Figure 3-26

➤ Modify the device name:

Click "Device Name" → enter " Device Name" → click "OK" to finish modifying the device name.

➤ Check device sharing:

Click "Binding users" → View device sharing account number →Click "<" to return to the device details page.

➤ QR code to share:

Click "QR code to share" → Send a screenshot of the QR code to the friend you want to share.
→Click "<" to return to the device details page.

➤ Delete the device:

Click "Delete" → "Finish", finish deleting.



Instruction

- Share the device in the device group, and you cannot switch other groups.

- When the device owner deletes the shared device, the sharing account device is deleted at the same time.

3.5.2 Publish MSG

Publish message as shown in Figure 3-27:

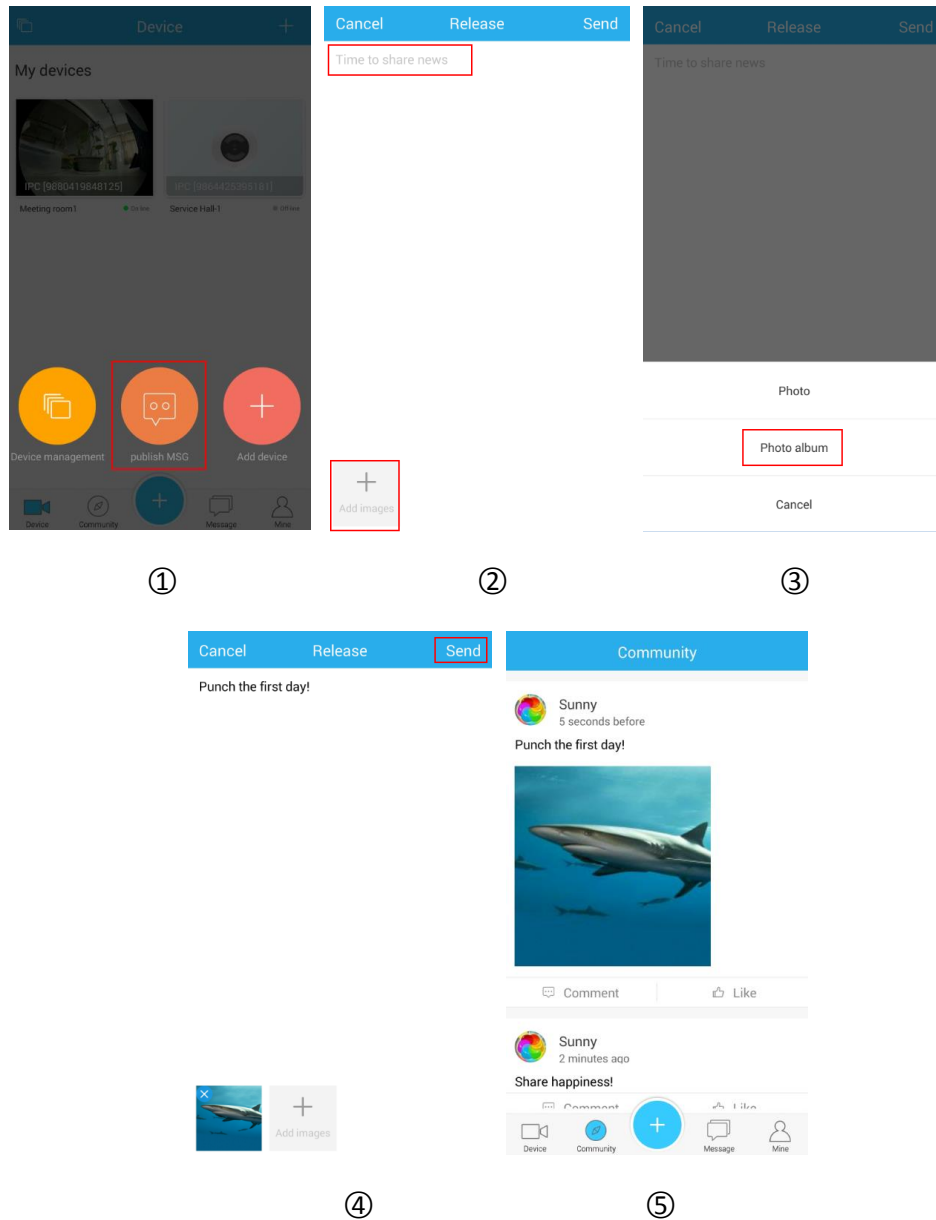


Figure 3-27

- ① On the add interface, click the "publish MSG";
- ② Enter the share news, click "+ add images" in the lower left corner of the interface;
- ③ Photo or select the picture from the photo album;



- ④ Click "Send" in the upper right corner of the interface;
- ⑤ The news are displayed in the community



Instruction

- The news can be directly published content without photos.
- When you publish something new, click "<" to cancel the release.
- It is not possible to modify or delete published news.

3.5.3 Add device

Select " on the " screen to enter the "Choose type" screen of the Add Device. For details, see section 3.3.1.

3.6 Message

The message is composed of the Like the "Event message", "Validation messages", "Friends chat window", "share device information" and "Friend list", as shown in Figure 3-28:

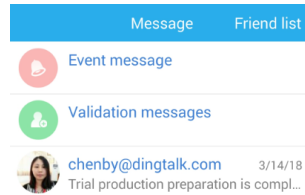


Figure 3-28

3.6.1 Event message

- Check the event message as show in Figure 3-29:

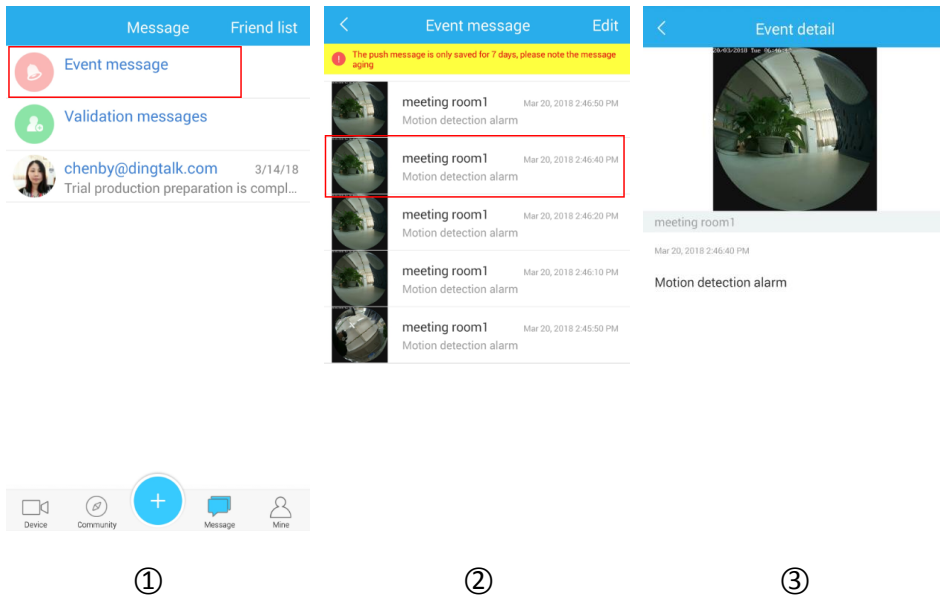


Figure 3-29

- ① Click the "Event message" in the message interface;
- ② Click to see the message;
- ③ Enter the event details interface, display the alarm picture, device name, alarm time and alarm type of the event.

■ Delete the event message as show in Figure 3-30:

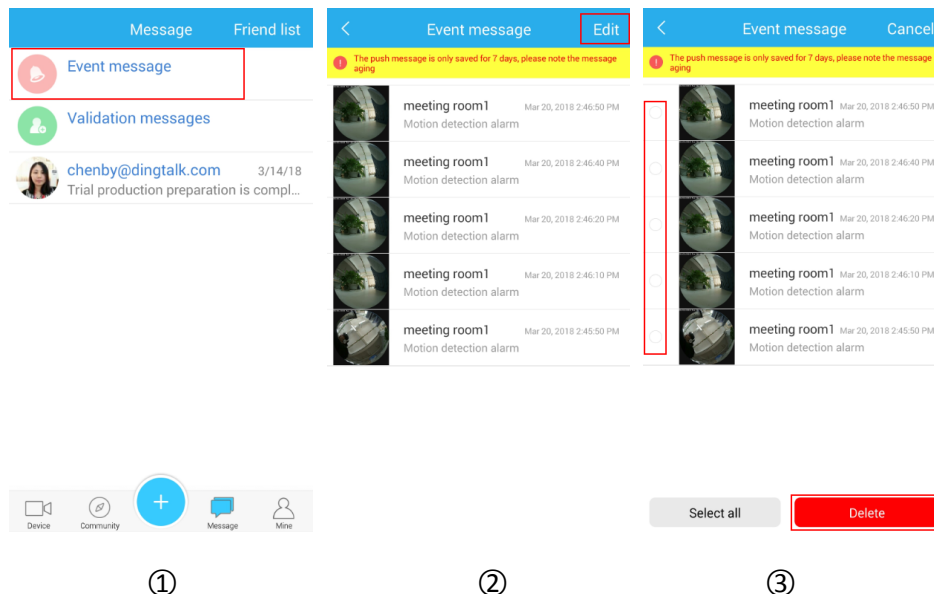


Figure 3-30

- ① Click the "Event message" in the message interface;
- ② Click the "Edit" in the upper right corner;

③ Click the message to delete (or click the "Select all" in the lower left corner), click the "Delete" in the lower right corner.



Instruction

- Push messages are only saved for 7 days. Please pay attention to the message aging.

3.6.2 Validation messages

On the Message, click "Validation message", check the send request authentication information and friend send verification request information, "Agree" to add friend, as shown in

Figure 3-31 ① ② ③:

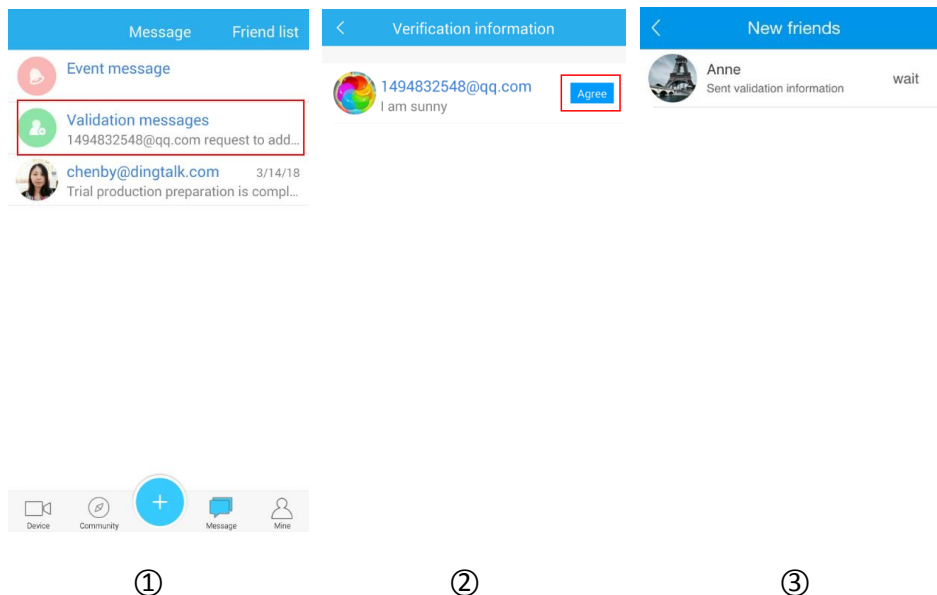


Figure 3-31

3.6.3 Friends chat window

After successfully adding a friend, a message pops up on the message interface. The content is the friend passed the verification time. The friend nicknamed "I passed your friends authentication requests, can now begin to chat ", as shown in the following figure 3-32 ①; Click to enter the chat window to start chatting, as shown in Figure 3-32 ② below:

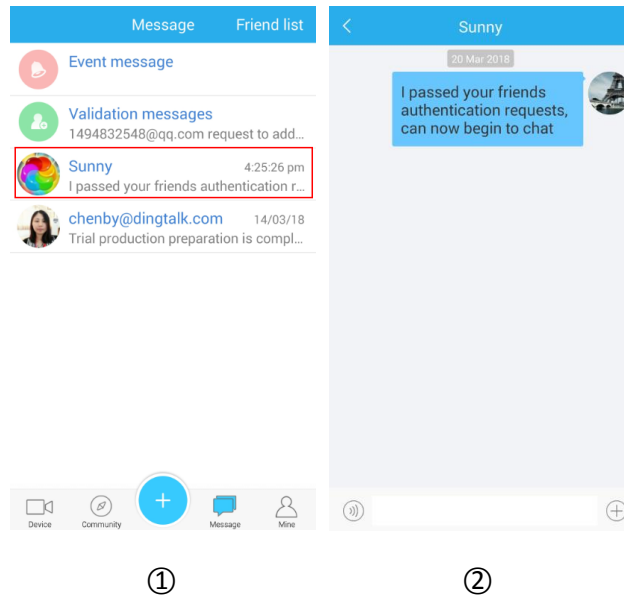


Figure 3-32

Chat window supports handwriting input chat, hold talk , send pictures, card and share device, as show in Figure 3-33:

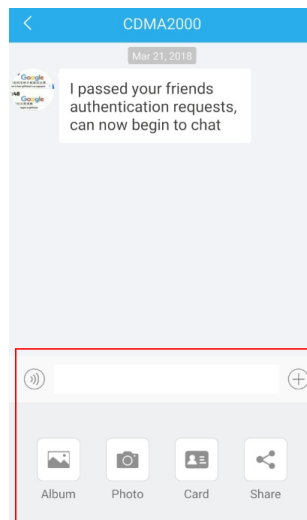


Figure 3-33

- **Share device:** Share your device to chat friends, as show in Figure 3-34 ① :
- **Send card:** Recommend third-party friends to chat friend, as show in Figure 3-34 ② :

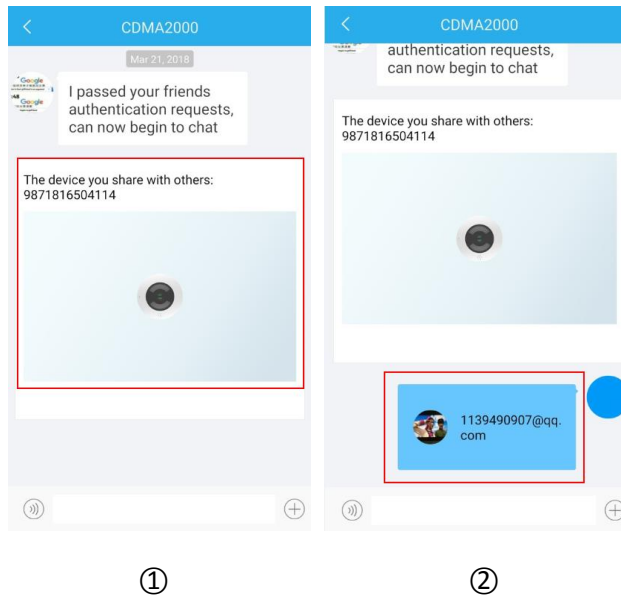


Figure 3-34

3.6.4 Friend list

Click on the "Friend list" in the upper right corner of the message to enter. The friend list can be added, grouped and managed, can view the friend information, send messages to friends or delete friends, as shown in the following diagram 3-35 ① ② ③ :

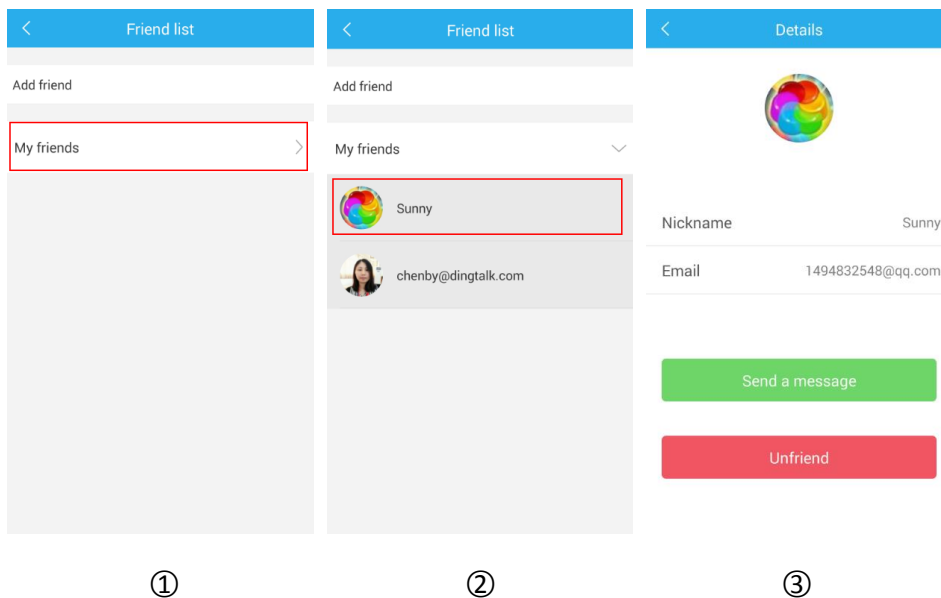


Figure 3-35

■ Add Friend as show in Figure3-36:

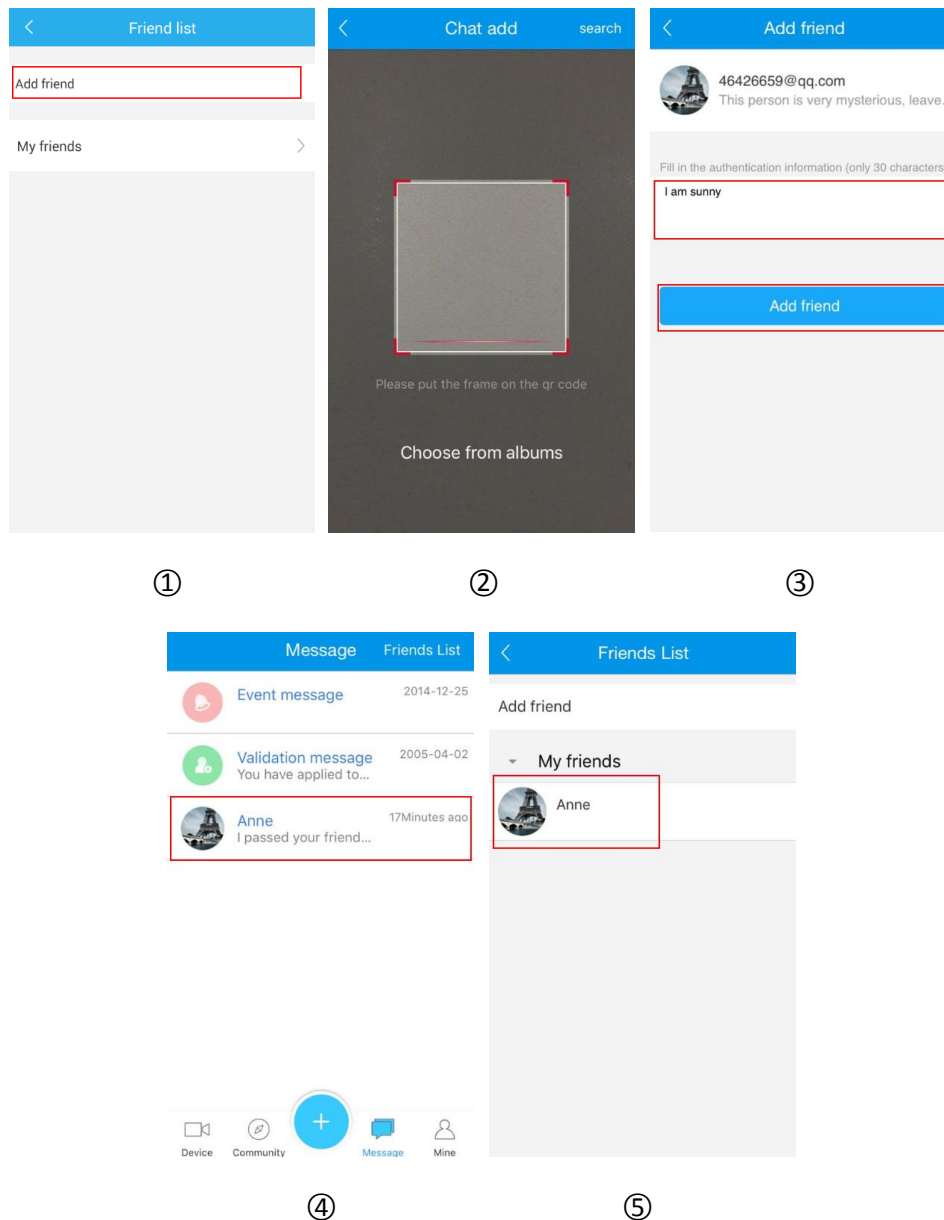


Figure 3-36

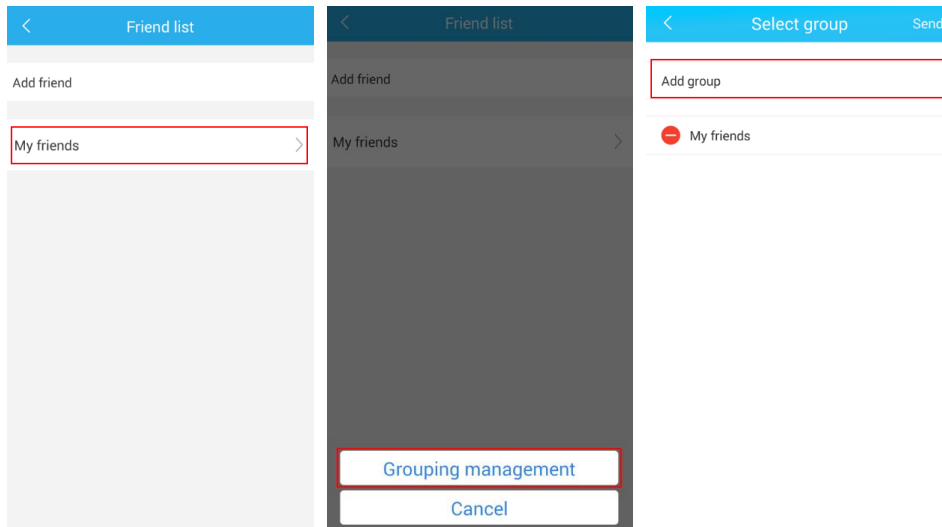
- ① On the Friends list interface, click "Add friend";
- ② Scan friend card, waiting to identify the QR code, enter the next page;
- ③ Enter verification information and click "Add Friend";
- ④ After the friend passes the verification, the message interface receives messages that can be chatted with friends;
- ⑤ This friend is displayed in the friends list.



Instruction

- When adding a friend, you can add a friend by clicking "Search" and typing in a friend account.
- When adding a friend, you can add a friend by clicking "Select from Album" and selecting the friend card image.

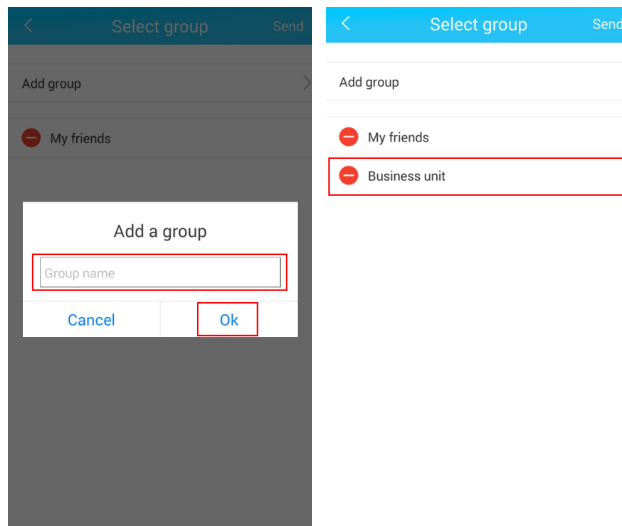
■ **Add the group management buddy list as shown in Figure 3-37:**



①

②

③



④

⑤

Figure 3-37

① On the Friend list interface, press and hold "My friends";

② Click "Grouping management";

- ③ Click "Add group";
- ④ Enter the group name, such as "Business unit", click "Ok";
- ⑤ The new group is displayed in the "Select group" page.

■ **Delete the group as shown in Figure 3-38:**

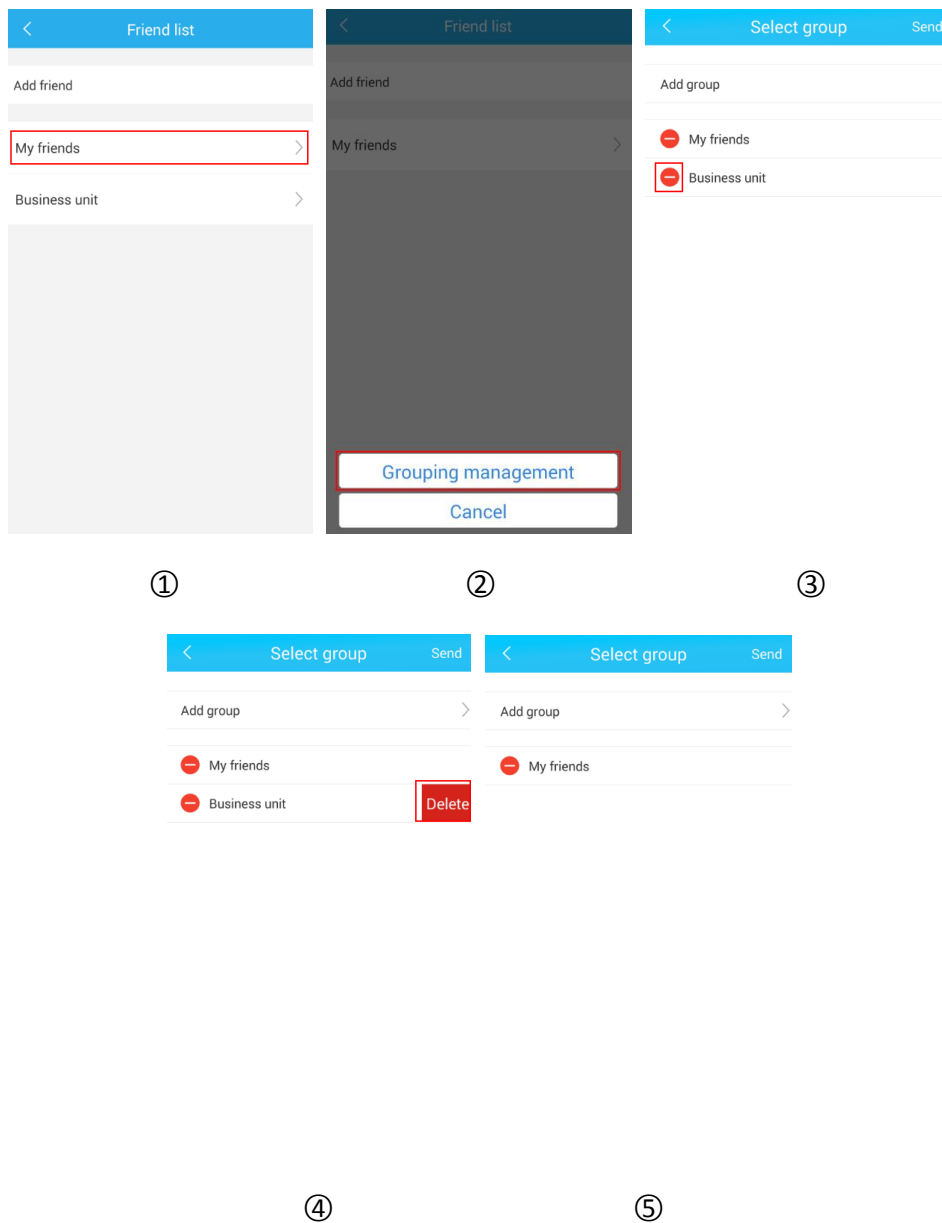


Figure 3-38

- ① On the Friend list interface, press and hold any group name, such as "My friends";
- ② Click "Grouping management";
- ③ Click the "🔴" button in front of the group you want to delete;

④ Click "Delete" on the right;

⑤ The group is removed in the "Select group" page, click "<" return to previous screen.



Instruction

- The default group "My Friend" cannot be deleted and edited.
- After deleting the group, the friends in the group are automatically transferred to the default group.

■ **Edit the group as shown in Figure 3-39:**

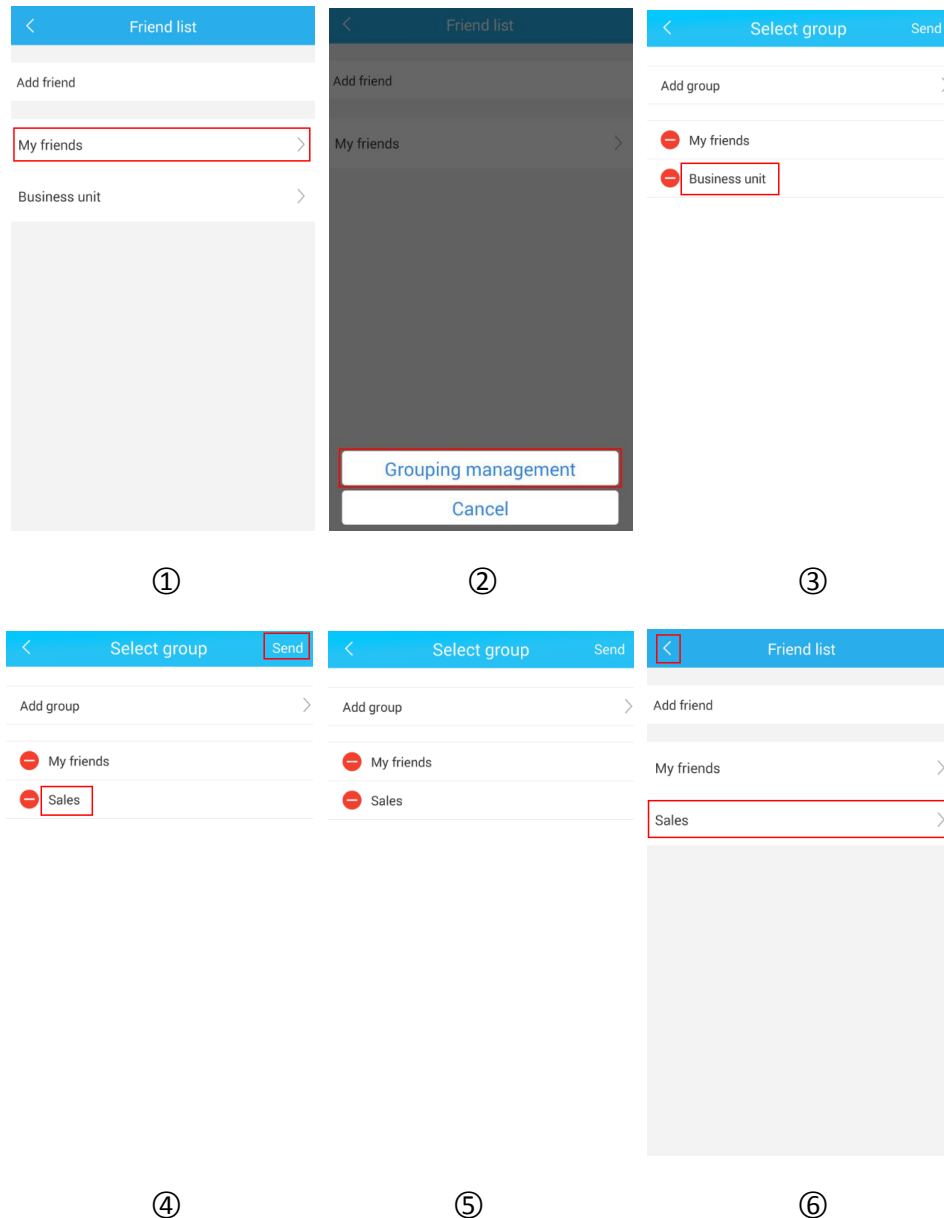


Figure 3-39

① On the Friend list interface, press and hold any group name, such as "My friends";

② Click "Grouping management";

- ③ Press and hold the group name you want to edit;
- ④ Edit the group name, click "Send";
- ⑤ Click "<" return to previous screen;
- ⑥ The group name is displayed in the "Friend list" page.

3.7 Mine

In the panorama VR App menu, click "Mine" to enter the "Mine" interface, as shown Figure 3-40; "Mine" consists of user information, photo albums, about, account exit.

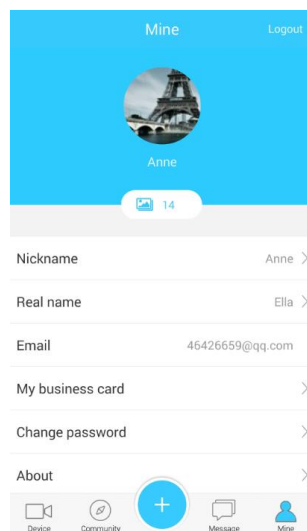


Figure 3-40

3.7.1 User information and logout

➤ User information

The user information consists of the login account's avatar, nickname, real name, email address, my business card, and a change password. The nickname, real name, and change password can be edited.

Change the avatar as show in Figure 3-41:

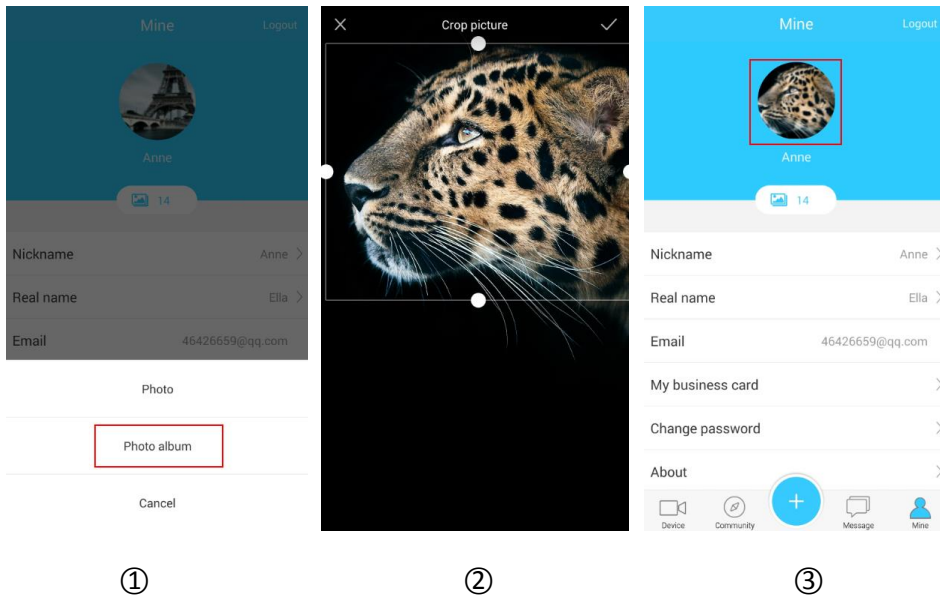


Figure 3-41

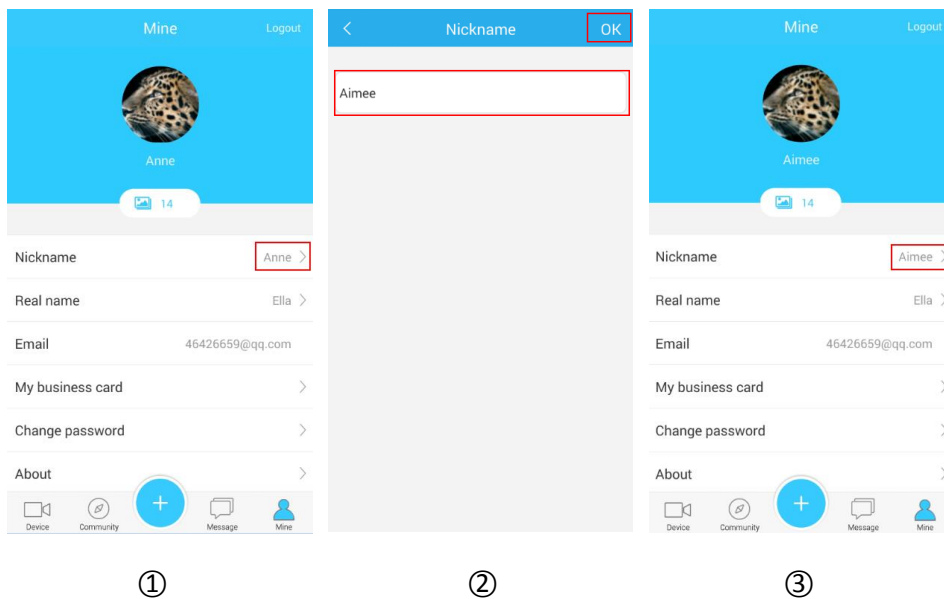
- ① In the "Mine" interface, click on the user avatar → select to switch the avatar mode (such as "Photo album"), enter the phone album;
- ② Select and trim the picture and click on " ✓ " in the upper right corner;
- ③ The modified avatar is displayed in the "Mine" interface.



Instruction

- Select "Snapshot" and when the phone camera cannot be used, please check whether the phone is enabled for the camera to allow App usage rights.

➤ **Edit nickname as show in Figure 3-42:**



①

②

③

Figure 3-42

- ① In the "Mine" interface, click "Nickname", enter the nickname to modify the interface;
- ② Click the edit box, enter the contents of the modification, and click "OK" in the upper right corner;
- ③ The modified nickname is displayed in the "Mine" interface.

➤ **Edit real name as show in Figure 3-43:**

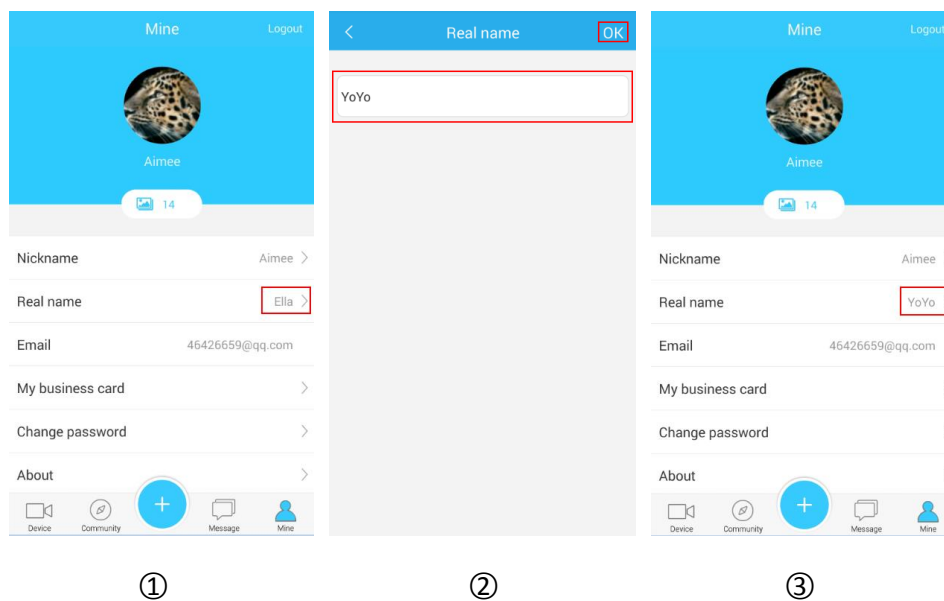


Figure 3-43

- ① In the "Mine" interface, click "Real name", enter the Real name to modify the interface;
- ② Click the edit box, enter the contents of the modification, and click "OK" in the upper right corner;
- ③ The modified real name is displayed in the "Mine" interface.

➤ **My business card**

My business card is a VR panorama App. It is specially designed according to the user's account. It is mainly used to add friends and to scan or capture them.

➤ **Change password as show in Figure 3-44:**

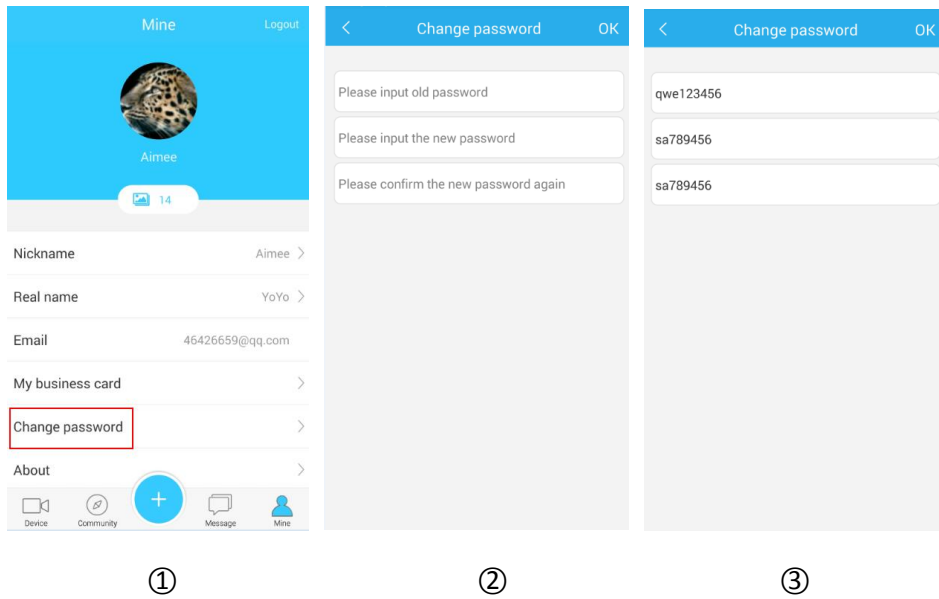


Figure 3-44

- ① Click "Change password" in the "Mine" interface, enter the change password interface;
- ② Click the edit box, enter the old password, new password, and confirm the new password;
- ③ Click "OK" in the upper right corner to complete the password modification.



Instruction

- When changing the password, you must enter the correct old password.
- When changing the password, the new password must be the same as the confirmation password.

➤ **Check App Version as show in Figure 3-45:**

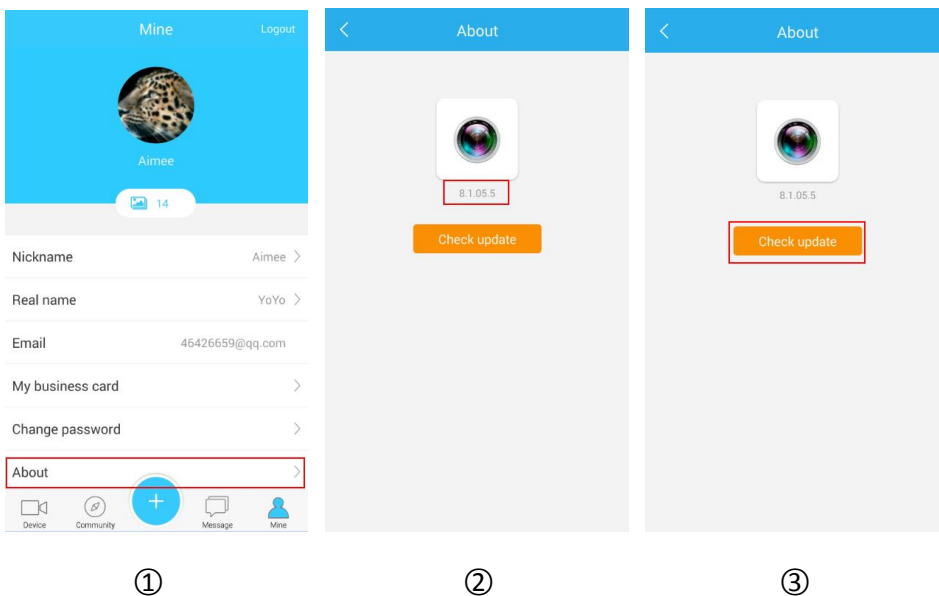


Figure 3-45

- ① In the "Mine" interface, click "About", enter the App about interface;
- ② View the current version of the App;
- ③ Click "Check update". If the current application is the latest version, the "Current version is the latest version" is displayed; if there is an update, click "Check for Updates" and the message "New version XXX, update?" Version, follow the prompts to download, install the new version..

■ Logout as show in Figure 3-46:

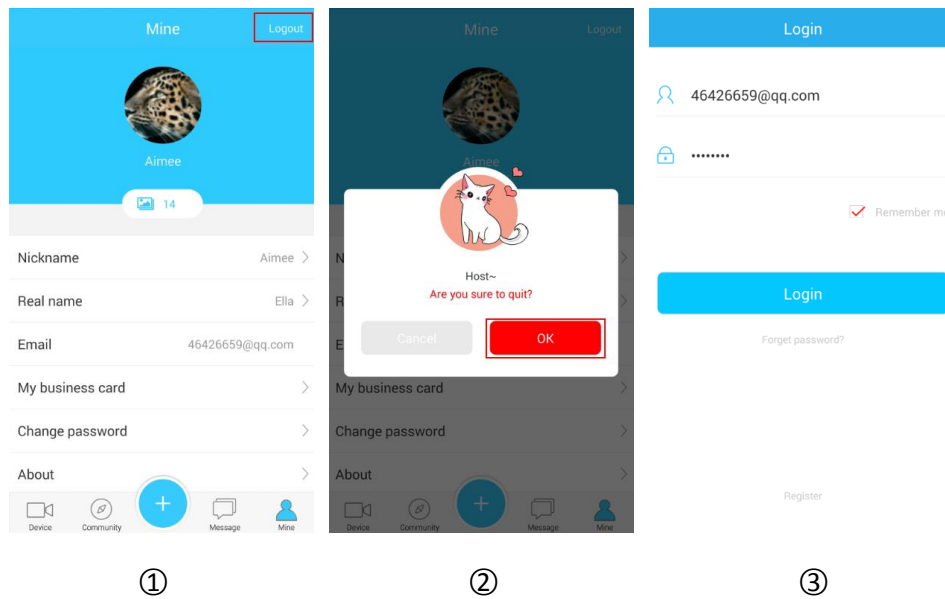


Figure 3-46

- ① Click "Logout" in the upper right corner of the "Mine" interface;
- ② Click "OK";
- ③ Log out, the interface returns to the login screen.



Instruction

- After the account is logged out, you can enter the App menu in the community as a visitor to check for new things.

3.7.2 Photo album

The photo album is used to view and edit local screenshots and videos of the App client, including real-time preview and historical playback.

- View the local screenshot as follows 3-47 steps:

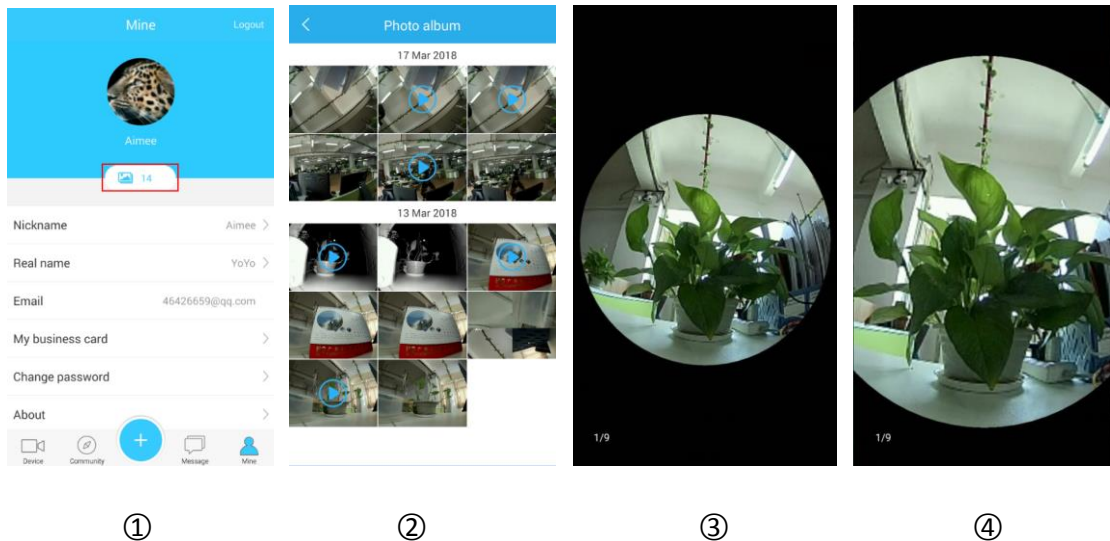



Figure 3-47

- ① In the "Mine" interface, click "  " to enter the "Photo album" interface
- ② Click on the picture to see the full screen;
- ③ When viewing the picture in full screen, slide the screen left or right to switch between pictures;
- ④ The thumb and forefinger are separated and electronically magnified.

■ **View the local video as follows 3-48 steps:**

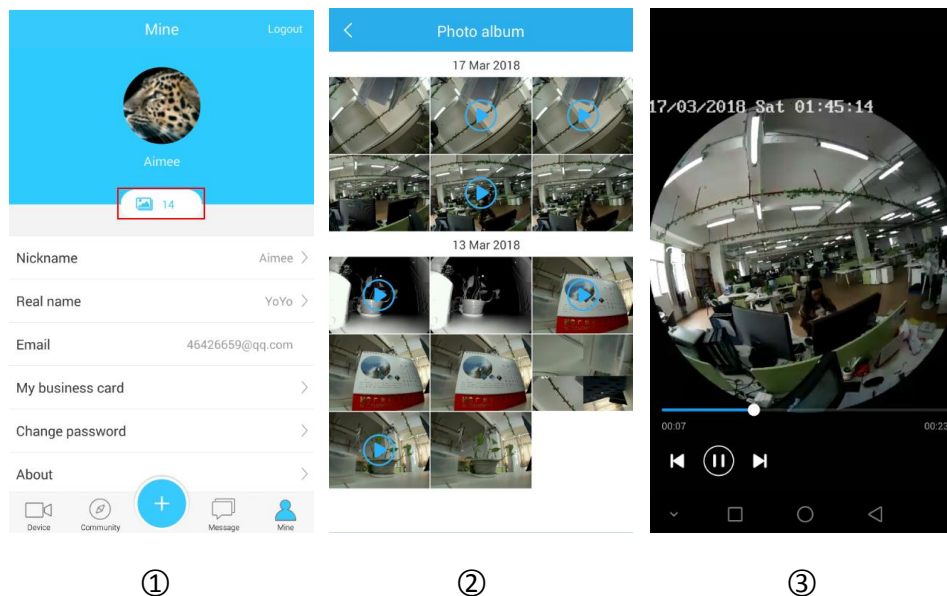



Figure 3-48

- ① In the "Mine" interface, click "  " to enter the "Photo album" interface
- ② Click on the video to view it in full screen;

③ When viewing the video, the App automatically opens the default player of the mobile phone.

According to different mobile phone players, it can "pause/play", "fast forward", "rewind", and "return".

■ Delete the photo or video in the album

➤ Delete the selected photo or video of the album as follows 3-49 steps:

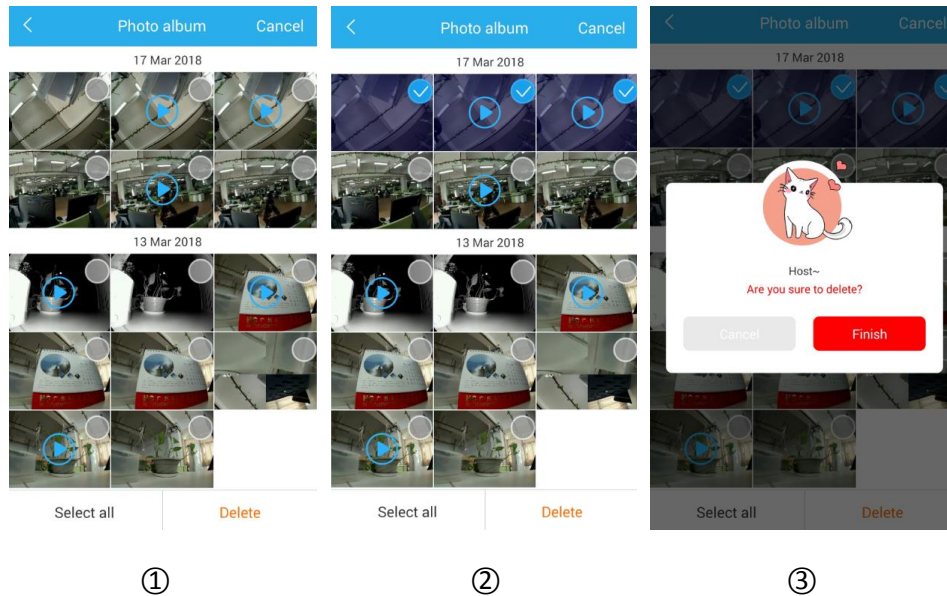


Figure 3-49

① In the album interface, press and hold a picture or video you want to delete, and the interface enters the editable format.

② Select the picture or video you want to delete, click the "Delete" button in the lower right corner;

③ Click "Finish" to select the picture or video to be deleted.

➤ Delete all photo and video in the album as follows 3-50 steps:

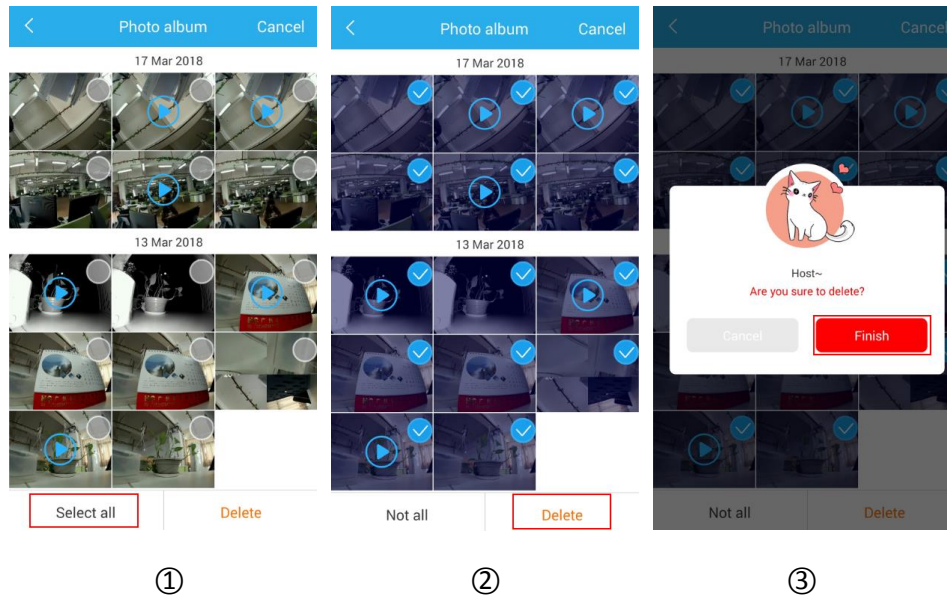


Figure 3-50

- ① In the album interface, press and hold any picture or video, the interface enters the editable format, click on the "Select all" in the lower left corner;
- ② Click the "Delete" button in the lower right corner;
- ③ Click "Finish" to clear the entire contents of the album.



Instruction

- When the album interface is in editable mode, click "Cancel" in the upper right corner to exit the edit mode.

3.7.3 Help

The help details the real-time preview, historical playback, device management, community, messaging, account management and other information of the panorama VR App, helping users quickly understand the detailed operation method of the App.

Chapter 4 FAQ

Q1: Username does not exist/password error/forgot password.

1. Please double check the username and password.
2. Had forgotten password, then click "Forget password" on log-in interface and reset new password according to tips.

Q2: Connection failed/Login timeout.

1. Please confirm if device connect internet correctly, see if network broke.
2. Try to change another port of device, see if port of operator is shielded or occupied by other devices on LAN.
3. Select other network type or operator to see if network is problematic on cellphone or pad.

Q3: Playback does not work.

1. Check if there is recording of the device during that time, playback will not work if there is no recording on cellphone or pad.
2. If it's under normal recording but still playback does not work, check if cable is loose on local storage and somewhere is wrong with TF card, hard disk.

Q4: Preview stuck.

1. Select stream types of device to change HD into BD or Fluent.
2. It's probably that bandwidth of device is not large enough, which requires better and faster network.
3. Performance of phone interface limited, try to preview only one channel at the same time.