



User Manual

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1. General

1.1 Introduction

The Cybvu app offers two flexible usage modes: guest and account. In guest mode, users can conveniently connect and use P2P devices without registration or login. The account mode further expands the scope of connectivity, not only supporting P2P devices, but also covering the connection and use of Cloud devices, bringing users a more comprehensive experience.

1.2 Applicable Operating Systems

- Android 6.0 and higher.
- IOS 13.0 and higher.

2. Account model

2.1 Registration

In order to connect your device and use the cloud service, you need to register an account first. The steps to register are listed below:

Step 1: Click the "Sign up" link on the login page to enter the registration page.

Step 2: Enter your email account, choose your location, set a password and confirm it, get a verification code to validate it, agree to the Terms of Service and

Privacy Policy, and finally click the Register button to complete the registration.

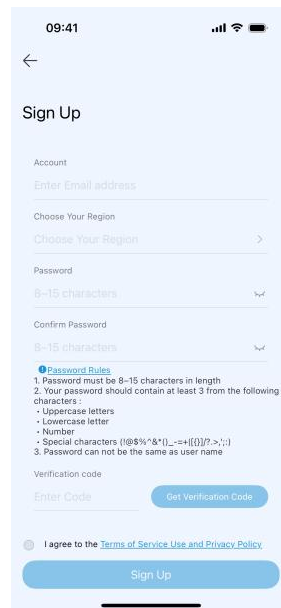
A screenshot of a mobile application's 'Sign Up' screen. At the top, the status bar shows the time 09:41 and signal strength. Below the status bar is a back arrow icon. The title 'Sign Up' is centered. The form consists of several sections: 'Account' with an 'Enter Email address' field; 'Choose Your Region' with a dropdown menu; 'Password' with a field showing '8-15 characters' and a checkmark; 'Confirm Password' with a field showing '8-15 characters' and a checkmark; and 'Verification code' with an 'Enter Code' field and a 'Get Verification Code' button. Below the password fields, there is a 'Password Rules' section with three numbered rules: 1. Password must be 8-15 characters in length; 2. Your password should contain at least 3 from the following characters: Uppercase letters, Lowercase letter, Number, Special characters (!@#\$%^&*!_~+{}[]/?.,>:); 3. Password can not be the same as user name. At the bottom, there is a checkbox for 'I agree to the Terms of Service Use and Privacy Policy' and a large blue 'Sign Up' button.

Figure 2-1 Registration

2.2 Login

Enter your email account, choose your region, enter your password, and then click the Login button to complete the login. (Please note that double identity verification is not enabled at present)

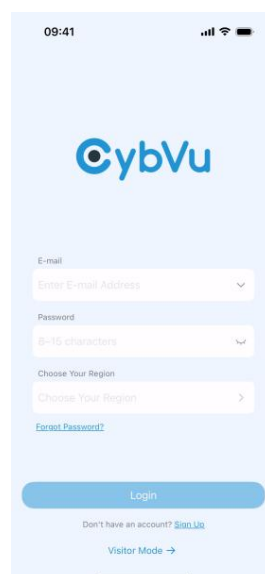
A screenshot of a mobile application's 'Login' screen. At the top, the status bar shows the time 09:41 and signal strength. Below the status bar is the CybVu logo. The form consists of several sections: 'E-mail' with an 'Enter E-mail Address' field and a dropdown arrow; 'Password' with a field showing '8-15 characters' and a checkmark; 'Choose Your Region' with a dropdown menu; and a 'Forgot Password?' link. At the bottom, there is a large blue 'Login' button, a link for 'Don't have an account? Sign Up', and a 'Visitor Mode ->' link.

Figure 2-2 Login

Double authentication login mechanism is enabled for your account. Enter your email account, select a region and enter your password, then click "Login" to jump to the double authentication page. Get the verification code and input it, click "Got it" to complete the login. (Check "Add device to trust list", no need to do double authentication when logging in locally again.)

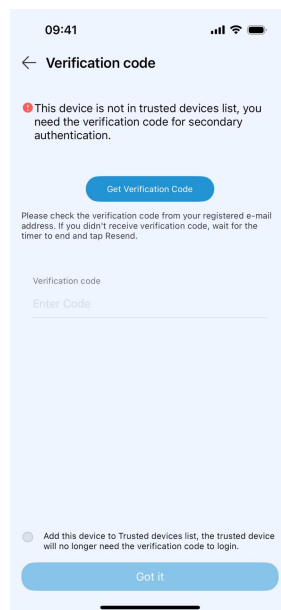


Figure 2-3 Dual Authentication

2.3 Reset Password

If you have forgotten your password, you can reset it by clicking "Forgot Password" on the login page. To reset your password, follow the steps below:

Step 1: On the login page, click the "Forgot Password" link to enter the Forgot Password screen.

Step 2: Enter your email account, select your region, get the verification code to complete the verification, set a password and confirm.

Step 3: Click the "save" button to complete the password reset operation.

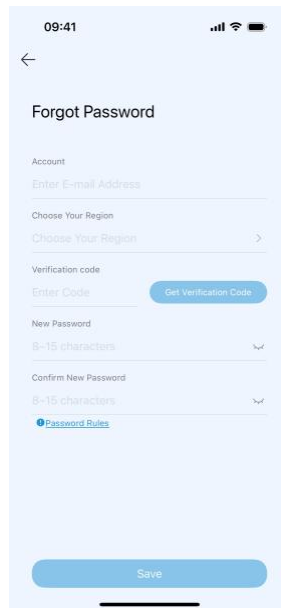


Figure 2-4 Forgot Password

3. Home

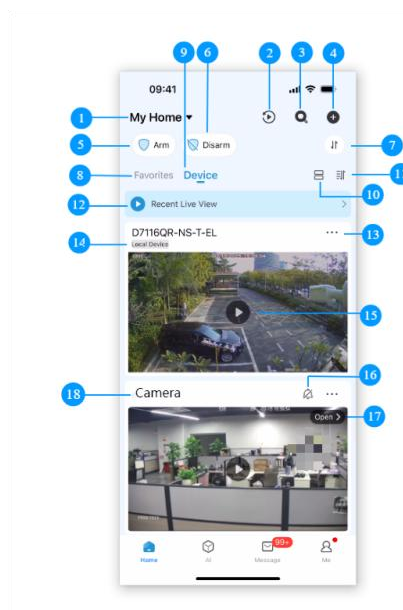















Figure 3-1 Home

(1) Group Name: Displays the current group name.

(2)  : Click to enter to select a device for playback. (Supported by Cloud devices

only)



- (3)  : You can preview the screen of the corresponding device by searching accurately by device name, channel name and favorite name. (Only supports searching for devices in the current group and favorite devices)
- (4)  : Click to show scanning QR code, online device, add favorites, share device function.
- (5)  : One-click arming.
- (6)  : One-click disarming.
- (7)  : Scene buttons can be sorted.
- (8) Favorites: Display devices added to favorites.
- (9) Device: Display the devices that have been added.
- (10)  /  : The device layout can be switched.
- (11)  : Device sorting is possible.
- (12)  : Click to open the recently played video channel.
- (13)  : Local devices click to show device settings, edit device, push settings, delete device function; Cloud devices click to show sharing, camera settings, device settings, add favorite function.
- (14) Local Device: Local device identification.
- (15)  : Play button.
- (16)  : The Do Not Disturb button, click it to block notification bar messages.
- (17) Open: Click to jump to the settings preview page.
- (18) Device Name: Displays the current device name.

3.1 Device Add

3.1.1 Scanning To Add



Figure 3-2 Scanning code to add

- (1) QR code scanning box: For QR code recognition.
- (2)  : Click to select a local QR code image to scan and recognize.
- (3) Can't find the QR code: Click to enter the Wi-Fi Connection and Wired Connection page.
- (4)  : Tap the flashlight button to turn on the cell phone flash.
- (5) Manual Add: Click the button to enter the manual add page.

3.1.1.1 Cloud Device Add

Scan the static QR code on the body of the device, and after successful identification, you will be prompted whether to enable the cloud service or not. If you choose to enable the cloud service, you can establish a connection with the server through Cloud ID to add devices (no need to enter password); if you choose

not to enable the cloud service, you can connect through p2p ID to add devices, and the added devices have Local Device logo. As shown in Figure 3-3. (Note: Scan the static QR code on the device body, enable the cloud service to establish a connection, and the app needs to be on the same LAN as the device)

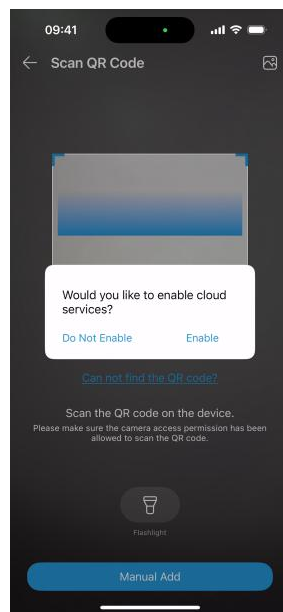


Figure 3-3 Cloud Device Add

Cloud devices can generate dynamic QR codes on the Cloud Services page, which can be scanned for direct add. As shown in Figure 3-4. (Note: the selected region should be consistent with the region of account registration)

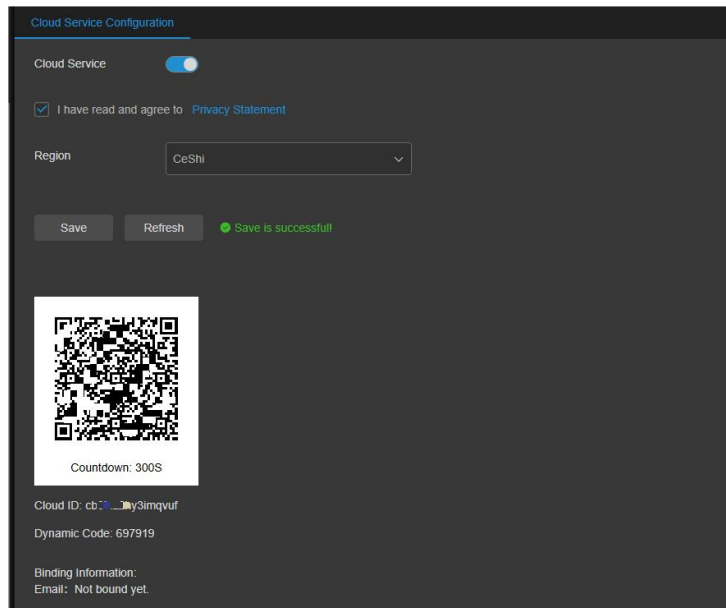


Figure 3-4 Dynamic QR Code

3.1.1.2 Local Device Add

Scan the static QR code on the body of the device to add the device through p2p ID connection, the added device has Local Device identification. As shown in Figure 3-5.

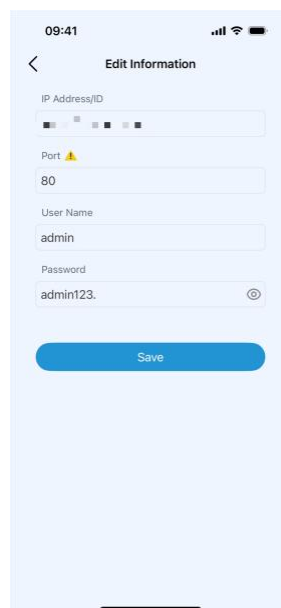


Figure 3-5 Local Device Add

3.1.2 Manual Add

Click "Manual Add" to enter the manual add page, enter the IP address/p2p ID, port number, user name, password, click the Save button to add. As shown in Figure 3-6.

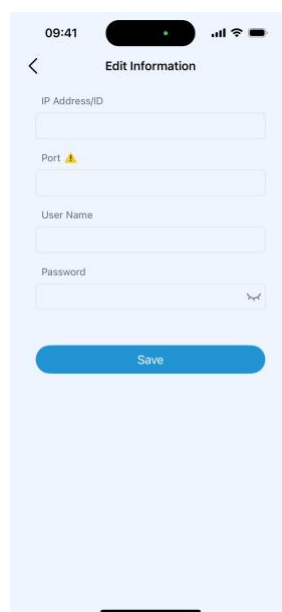
A screenshot of a mobile application interface titled "Edit Information". The form contains five input fields: "IP Address/ID", "Port" (with a yellow warning triangle icon), "User Name", and "Password" (with a toggle for visibility). Below the fields is a blue "Save" button. The top status bar shows the time as 09:41 and signal indicators.

Figure 3-6 Manual Add

3.1.3 Online Device Add

There are two types of connection methods for adding online: Wi-Fi connection and wired connection. As shown in Figure 3-7.

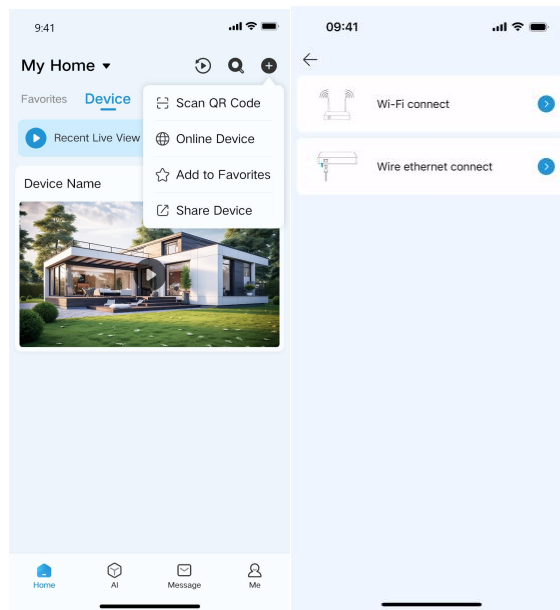


Figure 3-7 Add Online

3.1.3.1 Wi-Fi Connection

POE Doorbell, Pan Tilt Camera, Card Camera, Alert Tiny Tube Camera support Wi-Fi connection. The connection steps are as follows:

Step 1: First power up the unit.

Step 2: Wait until you hear the voice prompt "Please configure Network setting with the apps" or see the indicator light blinking red.

Step 3: Click the "Next" button to continue.

Step 4: Enter the device search page, select the device and enter the Wi-Fi configuration page.

Step 5: Enter the WiFi name, password and click "Next" button to continue.

Step 6: Enter the device password and click "Next" button to continue.

Step 7: Enter the countdown page and wait for the network to connect successfully.

Step 8: After successful network connection, the device is added successfully, click "Next" button to continue.

Step 9: Enter the name setting page, set the name and click "Next" button to continue.

Step 10: Click "Finish", the device is added.

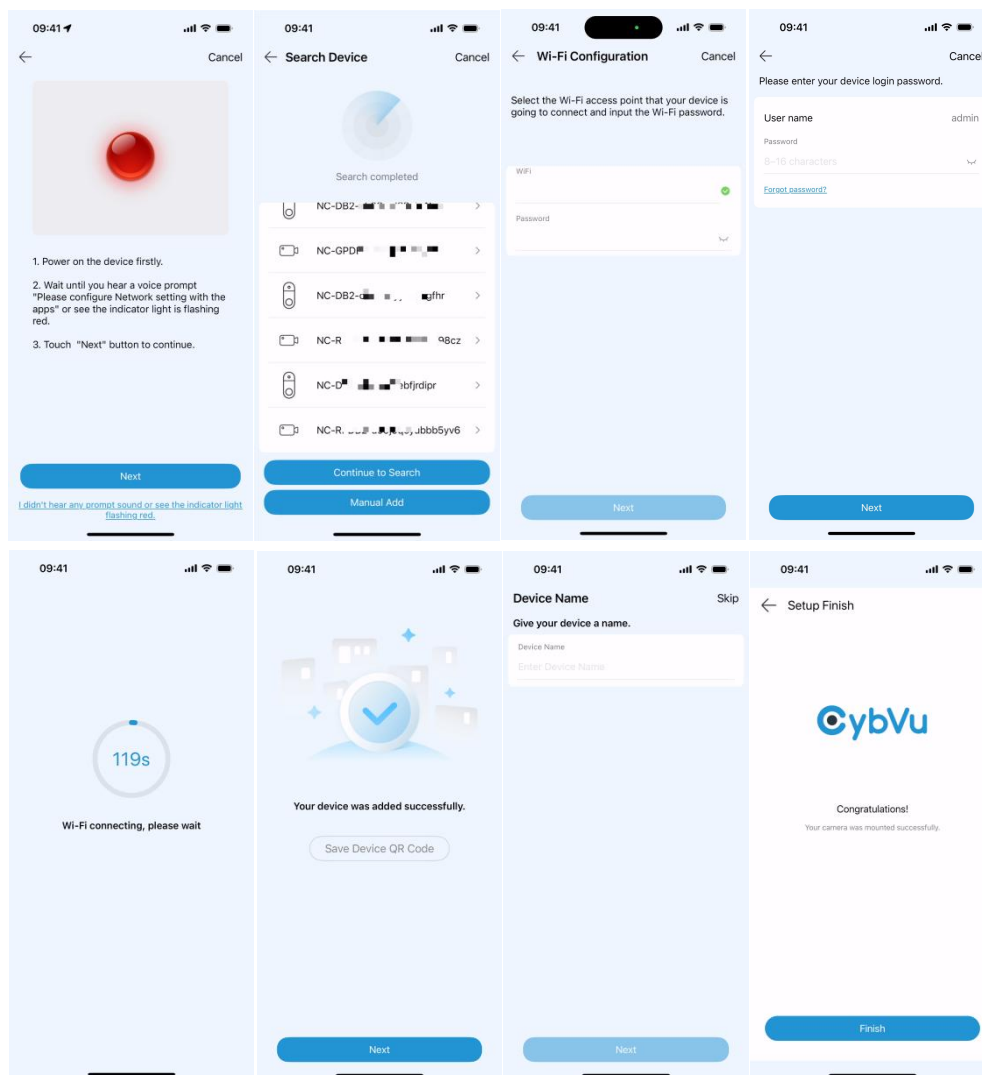


Figure 3-8 WiFi Connection

3.1.3.2 Wired Connection

3.1.3.2.1 Cloud Service Connection

Enable the cloud service wired connection. The steps are as follows:

Step 1: Keep the app and the device on the same LAN.

Step 2: Enter the device search page, select the device and choose Enable Cloud Services.

Step 3: Enter the device password, enter the device password and click "Next" button to continue.

Step 4: Check the cloud service policy and terms, click "Next" button to continue.

Step 5: Enter the countdown page and wait for the device to connect.

Step 6: When the device is successfully connected, it will automatically jump to the name setting page, set the name and click "Next" button to continue.

Step 7: Click "Finish", the device is added.

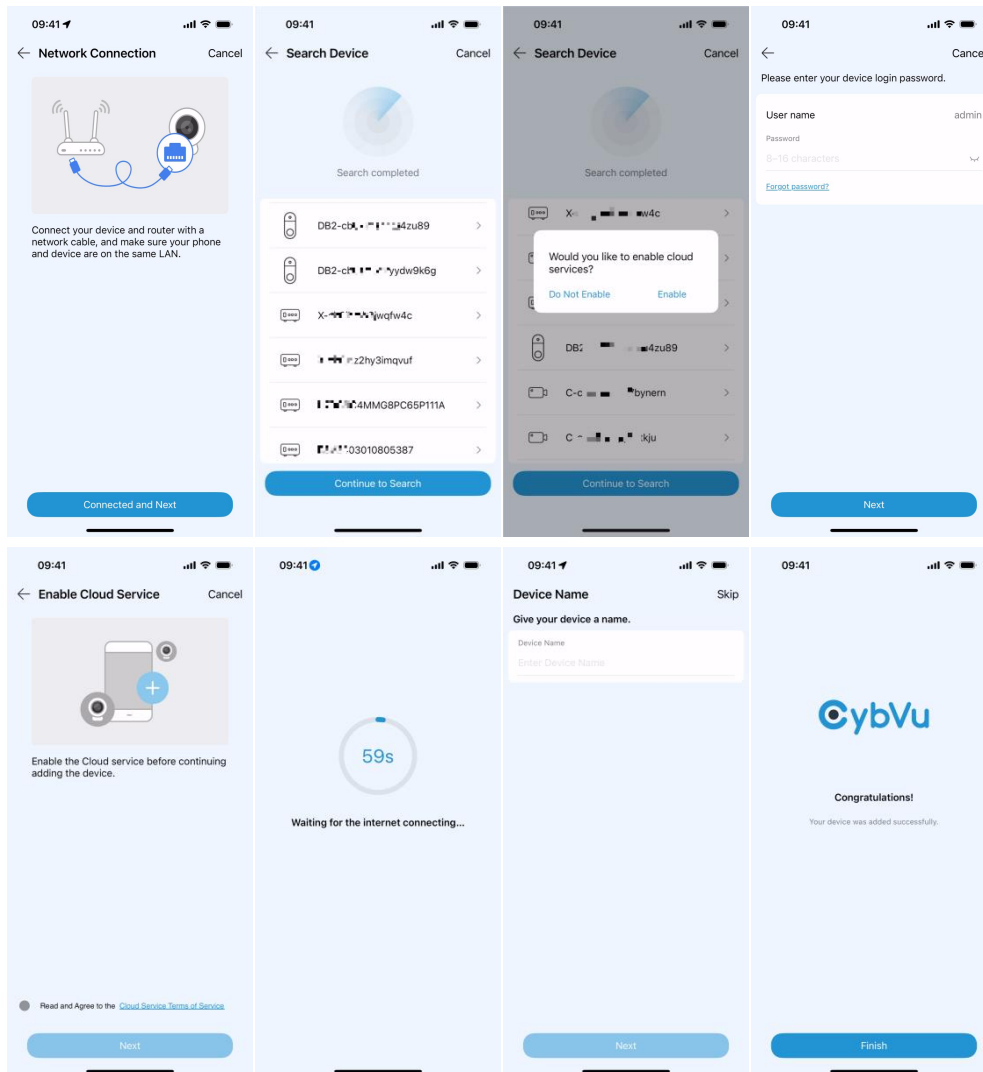


Figure 3-9 Wired Connection-Enable Cloud Service

3.1.3.2.2 P2P Connection

Without enable the cloud service and using a p2p connection, the steps are as follows:

Step 1: Keep the app and the device on the same LAN.

Step 2: Enter the device search page, select the device and choose not to enable cloud service.

Step 3: Enter the P2P Connection page, enter the device password, click the

"Save" button, the device can be added successfully.

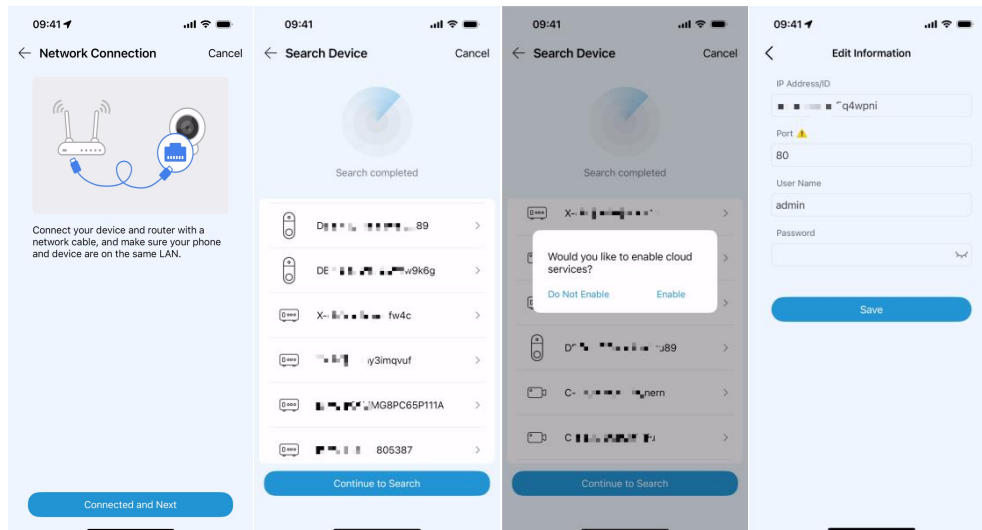


Figure 3-10 Wired Connection- Cloud Service Not Enabled

- 1) Keep the app and the device on the same LAN.
- 2) Enter the device search page, select the device and choose not to enable cloud service.
- 3) Enter the P2P Connection page, enter the device password, click the "Save" button, the device can be added successfully.

3.2 Add To Favorites

The device is added to the favorites with the following steps:

Step 1: Click "Add to Favorites" to enter the device selection page.

Step 2: Select the device, click "ok" button, enter the favorite name, click "ok"

button, the favorite is created successfully.

Step 3: Click Favorites on the Home page to view the created favorites.

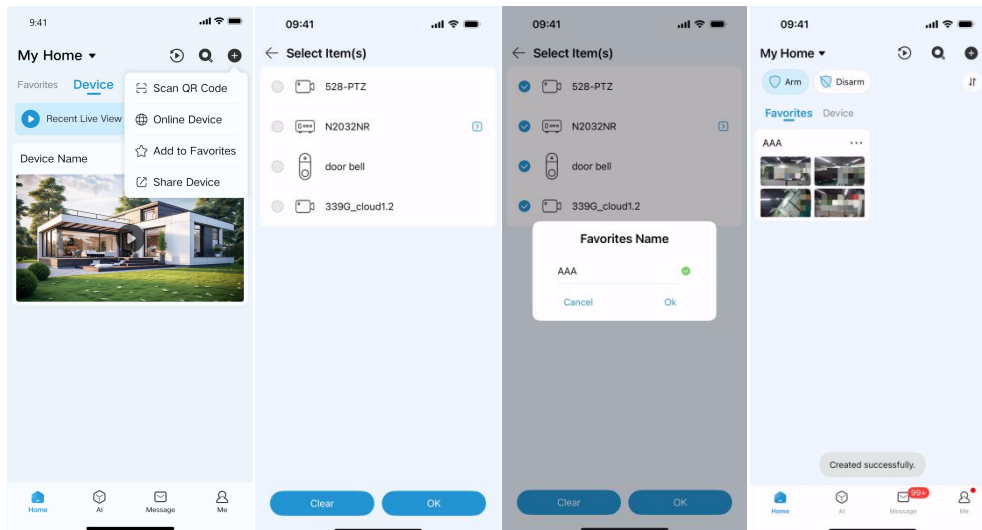


Figure 3-11 Add To Favorites

3.3 Share Device

To share the device, the steps are as follows:

Step 1: Click the "Share Device" button to enter the device selection page.

Step 2: Tick the device, click "Next" to continue (click on the device to set permissions).

Step 3: Enter the information of the invited users, enter the e-mail address and click "Send" button.

Step 4: Click "Confirm", the page pop-up box prompts: the device has been shared successfully, click "Confirm" button to exit the page.

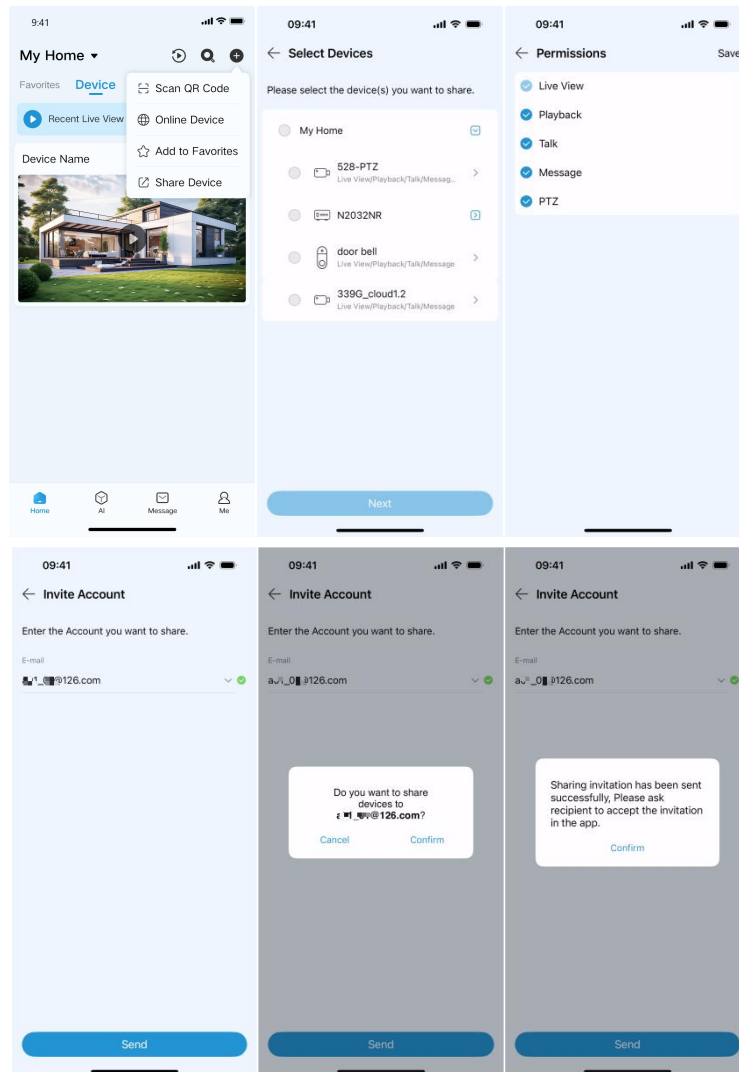



Figure 3-12 Share Device

3.4 Search

Device search, the steps are as follows:

Step 1: Click the  button to enter the device search page.

Step 2: Enter the device name and click on the device to jump to the device preview page.

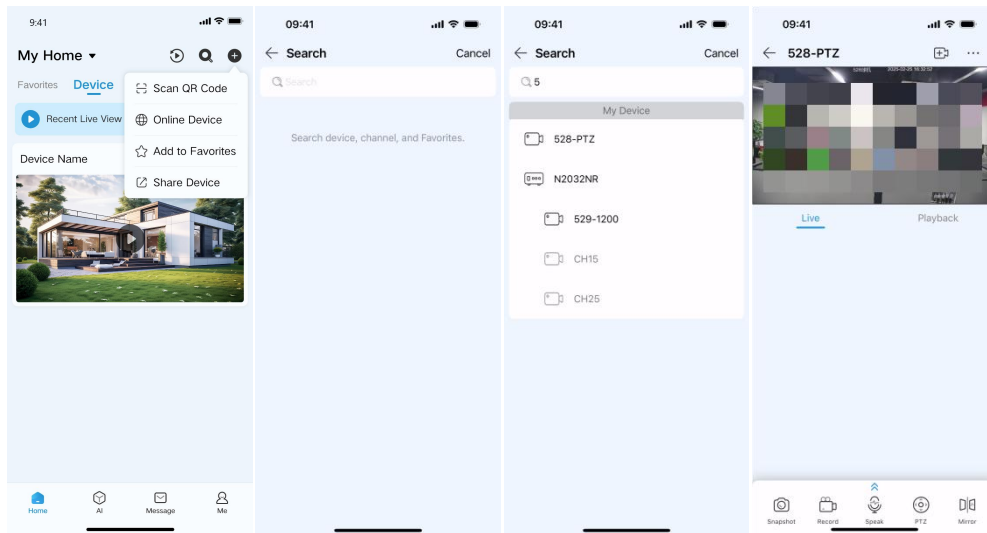


Figure 3-13 Device Search

3.5 Device Sort

The device is sorted with the following steps:

Step 1: Click the Sort button to enter the device sort page.

Step 2: Long press on a device to drag it and change the order in which it is listed.

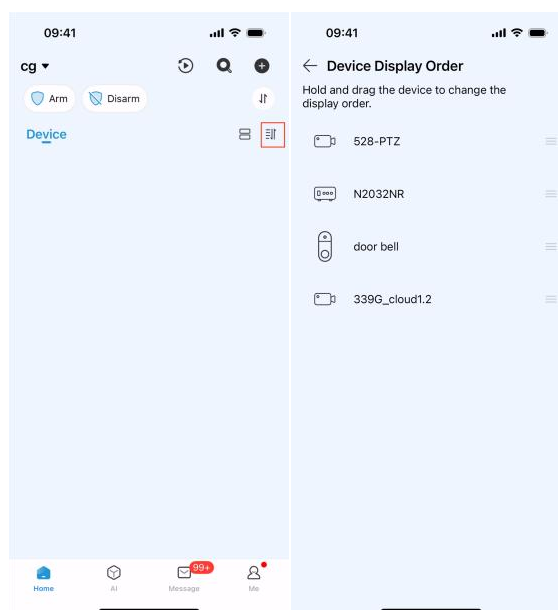




Figure 3-14 Device Sort

3.6 Toggle Sort

Click the "  /  " button, the device can be sorted between single column and dual column form. As shown in Figure 3-15.

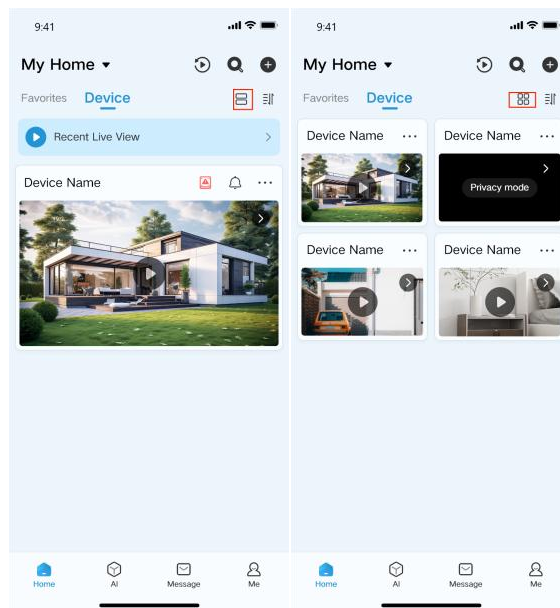



Figure 3-15 Toggle Sort

3.7 Group Manage

The group manage page supports add groups, delete groups, exit groups, change group names, move devices and add subgroup members.

3.7.1 Add Group

In the group manage page, click the "  " button to jump to the add group interface. In this interface, enter a new group name, and then click the "save"

button, the group will be successfully added. As shown in Figure 3-16.

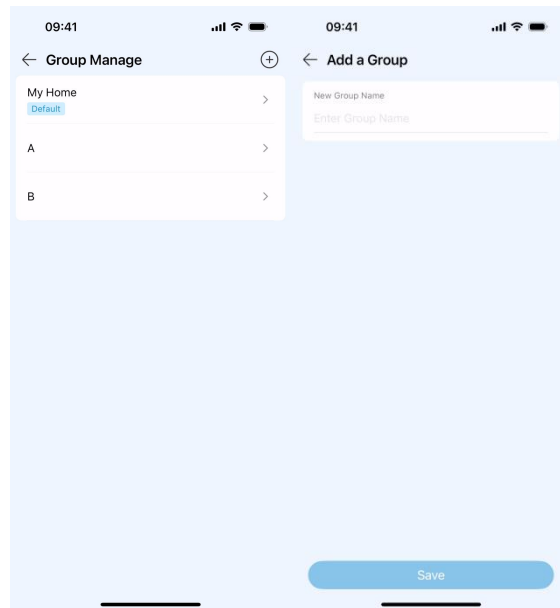


Figure 3-16 Add Group

3.7.2 Delete Group

On the group manage screen, click the created group to enter its detail screen, and then click the "Delete Group" button to delete the group. Note that the default group and sharing group cannot be deleted due to the system settings, and you cannot delete a group if it is associated with a device. As shown in Figure 3-17.

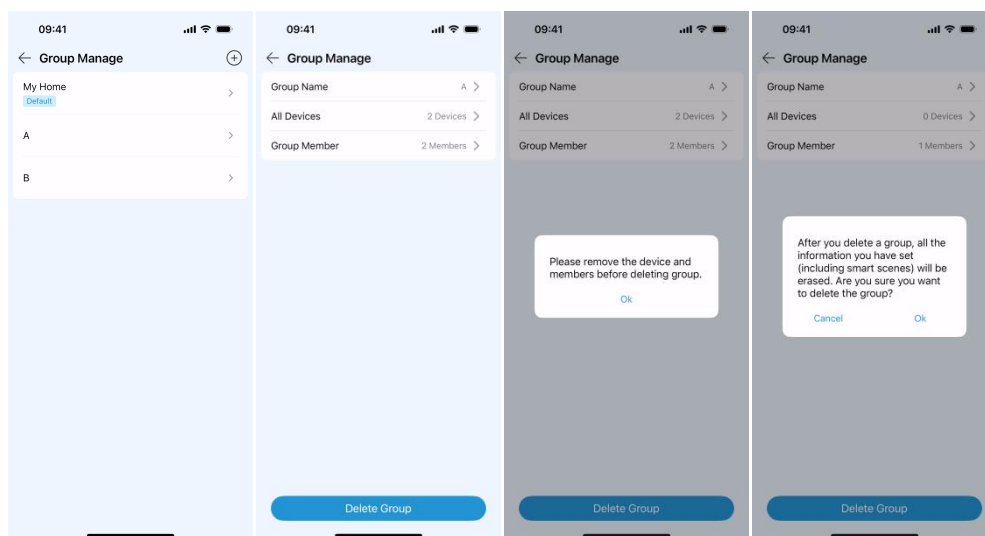


Figure 3-17 Delete Group

3.7.3 Exit Group

Select the shared group you want to exit, enter its detail page, and click the "Exit Group" button to unshare the group. As shown in Figure 3-18.

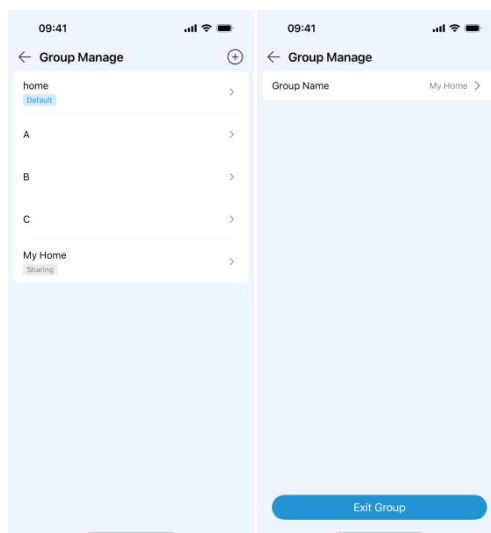


Figure 3-18 Exit Group

3.7.4 Change Group Name

On the group manage screen, select any group and enter its detail screen,

then click the existing group name to change group name. After entering the new group name, click "OK" to confirm, and the group name will be modified successfully. As shown in Figure 3-19.

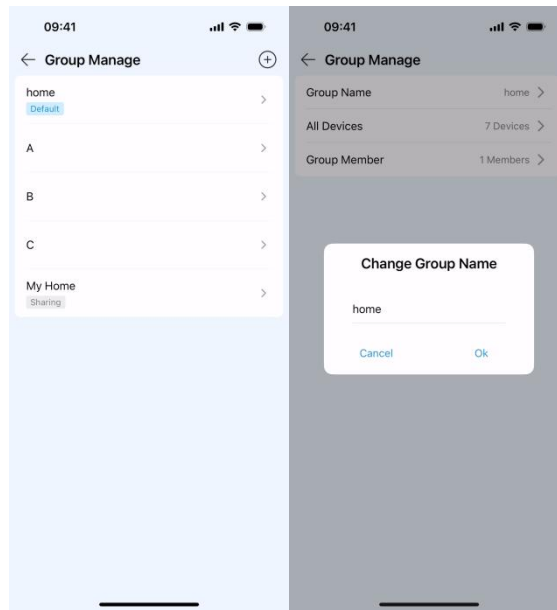


Figure 3-19 Change Group Name

3.7.5 Move Device

On the group management screen, select a group and click it to enter its detail screen, then click "All Devices" to enter the device list screen. Check the target device from the list and click "Move Device", then the system will jump to the optional group page. After selecting the target group in this page, click "Move", the device will be successfully migrated to the specified group. As shown in Figure 3-20.

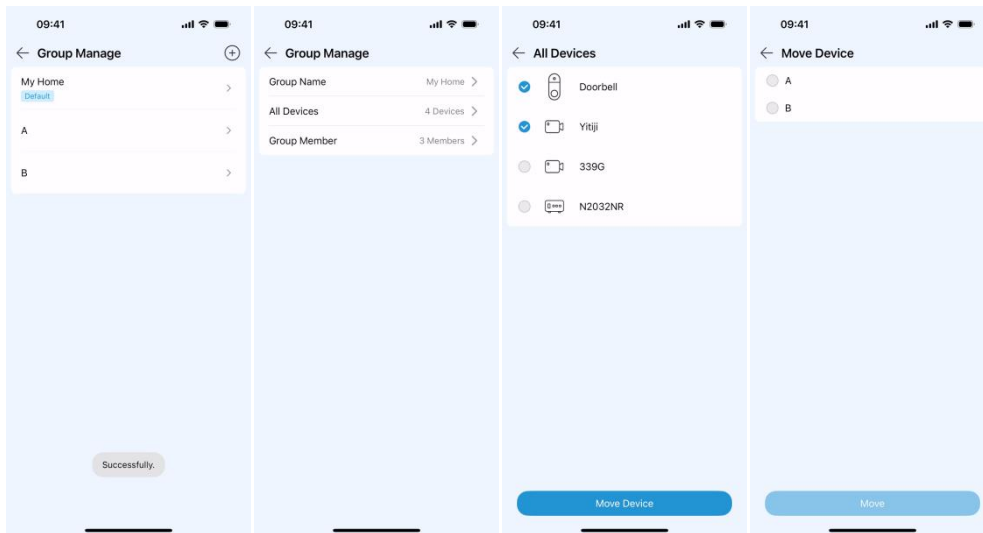


Figure 3-20 Move Device

3.8 Preview

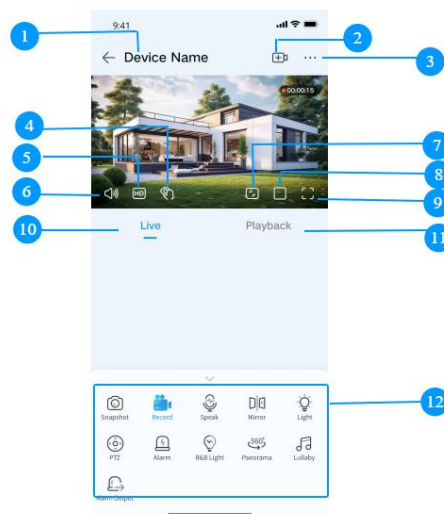


Figure 3-21 Preview

- 1) Display the device name.
- 2) Add the camera.
- 3) Tap to display the Share, Camera Settings, Device Settings, and Add Favorites
- 4) Privacy Mode button switch.

- 5) Toggles the video quality, which is available in both HD and Standard.
- 6) Volume switch.
- 7) Screen ratio switching.
- 8) Split screen switching. (supports single split-screen, quad split-screen, nine split-screen)
- 9) Full screen.
- 10) Click to switch the preview page.
- 11) Click to switch the playback page.
- 12) Display the functions supported by the device. Such as: Capture, Record, Intercom, Mirror Mode, Warming Light, PTZ, Alarm, Red and Blue Light, 360° Panorama, Lullaby, Manual Alarm and other functions. (Note: Capture and record data are saved in "Me"->"Albums")

3.9 Playback

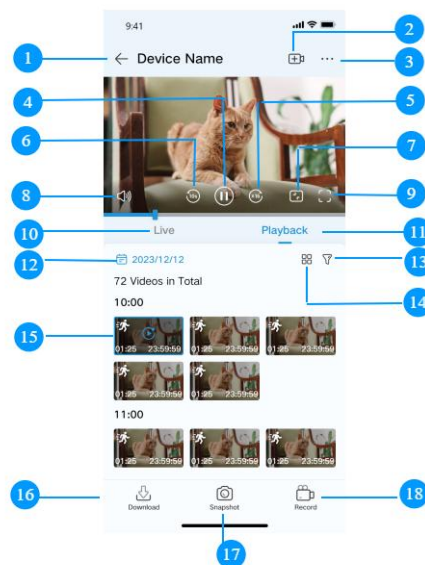


Figure 3-22 Playback

- 1) Display the device name.
- 2) Add the camera.

- 3) Tap to display the Share, Camera Settings, Device Settings, and Add Favorites.
- 4) Play/Pause button.
- 5) Fast-forward multiplier playback button.
- 6) Slow Play button.
- 7) Screen ratio switching button.
- 8) Volume switch.
- 9) Full screen button.
- 10) Click to switch the preview page.
- 11) Click to switch the playback page.
- 12) Calendar Sheet.
- 13) Display the playback video type.
- 14) Button to switch the video display form. Available in thumbnail and timeline formats.
- 15) Click on a thumbnail video to play it back by segment.
- 16) Download function, data is saved in an album.
- 17) Capture function with data saved in an album.
- 18) Record function with data saved in an album.

3.9.1 Download

You can download the device video on the playback page with the following steps:

Step 1: On the playback page, click "Download" to enter the video download page.

Step 2: Click the thumbnail of the video clip to start downloading, the thumbnail shows the download progress, as shown in Figure 3-18.

Step 3: Click the Download Progress " " button to view the download list and delete the download task, as shown in Figure 3-19.

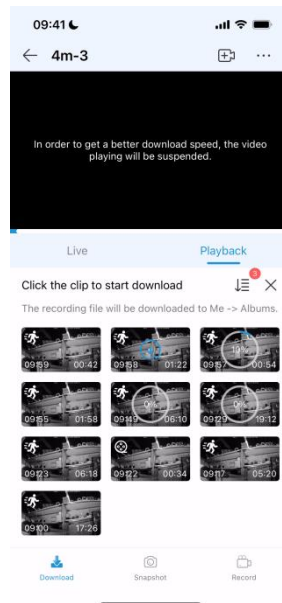


Figure 3-18 Video Download

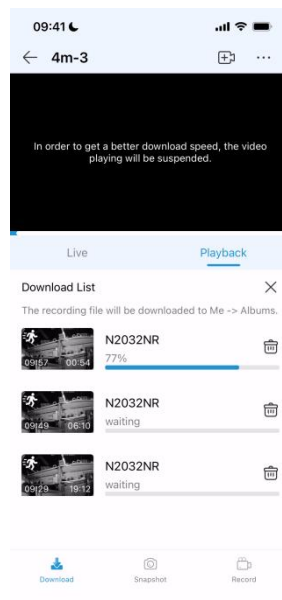


Figure 3-19 Download Task List

4. Camera Settings

4.1 NVR Camera Settings

The NVR camera setup contains selected channel, Channel Settings, event settings, event linkage, encode & record as shown in Figure 4-1.

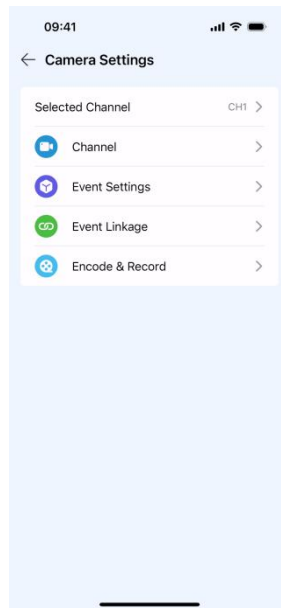


Figure 4-1 NVR Camera Settings

4.2 IPC Camera Settings

IPC Camera Setup contains functions such as Device Name Setup, Time Zone Settings, Audio Settings, Storage, About Device, Channel Setup, Event Settings, Event Linkage, Encode & Record, Reboot Device, and Delete Device. As shown in Figure 4-2.

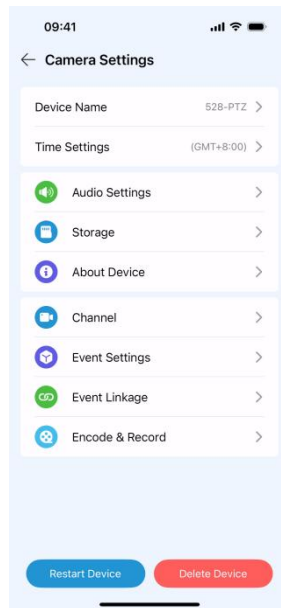


Figure 4-2 IPC Camera Settings

4.3 Selected Channel

Click Selected Channel to switch channels, as shown in Figure 4-3.

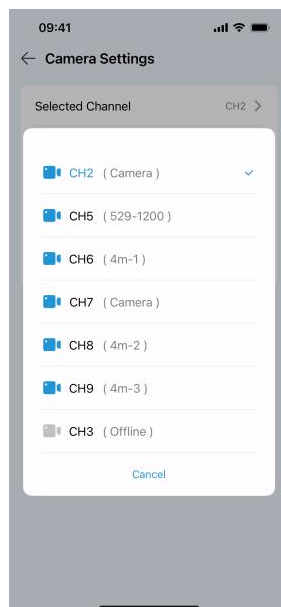


Figure 4-3 Selected Channel

4.4 Channel Settings

Channel Settings contains Live, Image Control, Audio Settings, Video Cover, and About Camera, as shown in Figure 4-4.

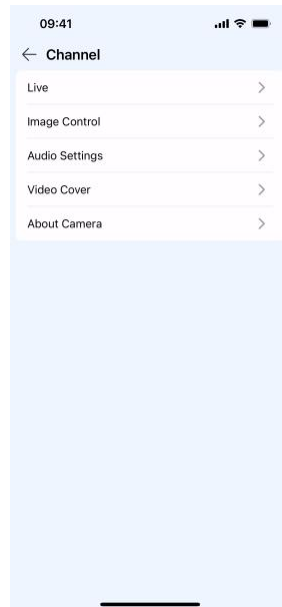


Figure 4-4 Channel Settings

4.4.1 Live

The Live page allows you to set the channel name, date format, time format, refresh rate, show name, show time and privacy mode. As shown in Figure 4-5.

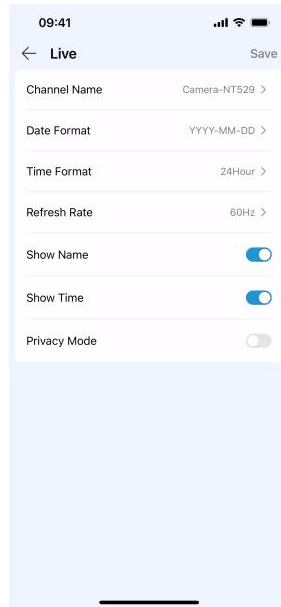


Figure 4-5 Live

Channel Name: Set the camera channel name.

Date Format: Set the date format displayed by the camera's OSD, there are three types: MM/DD/YYYYY, YYYY-MM-DD and DD/MM/YYYYY.

Time Format: Set the time format of the camera's OSD display, there are two types: 12-hour and 24-hour.

Refresh Rate: Set the refresh rate of the camera, there are two options, 60Hz and 50Hz, corresponding to N and P system.

Show Name: The preview show the camera channel name.

Show Time: The preview show the camera time.

Privacy Mode: When Privacy Mode is enabled, there is no image in preview and playback, and the preview image is not displayed in the Settings page.

4.4.2 Image Control

The image control page can directly control the modification of image parameters, such as Day/Night mode, WDR, etc. Its interface is shown in Figure 4-6 below.

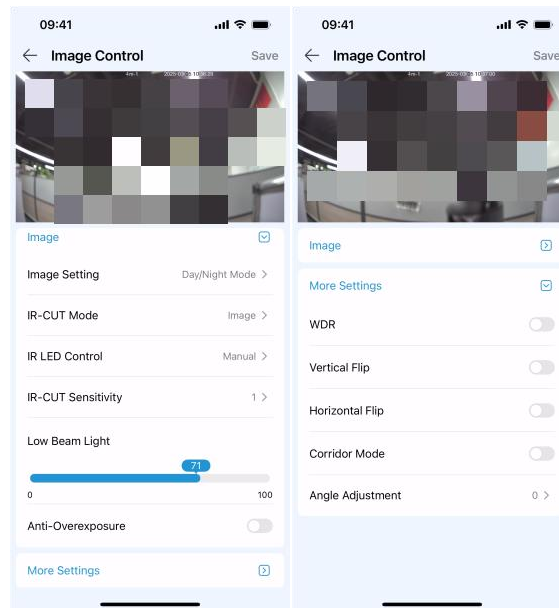


Figure 4-6 Image Control

Image Setting: Set the camera image mode, there are 3 modes.

Full Color Mode: The camera is in full color mode.

Day/Night Mode: The camera is in Day/Night mode.

Smart Illumination: The camera smart night light mode, the mode when the camera triggers an alarm in night vision mode will be linked to the warm light to fill the light, the image is color; alarm ends the camera back to night vision mode.

White Light: In **Full Color Mode**, set the fill light effect of the camera's white

light, there are 4 modes.

Automatic mode: The camera automatically adjusts the strength of the fill light according to the ambient illumination.

Manual: To fill in the environment with a fixed brightness value.

Schedule: Automatically turn on/off the white light for fill light by setting the time schedule.

OFF: Turn off the white light.

Sensitivity: Sensitivity 0 ~ 3, the camera's perception of ambient light, the higher the value the more sensitive.

IR-CUT Mode: Set the camera day/night switching mode under **Day/Night Mode**, there are 5 modes.

Auto/GPIO Auto: Automatic control switches the mode, color switches to black and white through image judgment, and black and white switches to color through photosensitivity judgment.

Day/Color Mode: Forced color mode without switching black & white mode.

Night/Black White Mode: Forces black & white mode without switching color mode.

Image/Image Mode: Similar to the auto mode, the color-to-black, and black-to-color modes are controlled by the image.

Schedule/Schedule (B/W): Switch between black & white mode and color mode by schedule setting. To turn this feature on, you need to set the start and end time for entering night mode.

IR LED Control: Set the fill light effect of the camera's infrared light in night mode, there are 3 modes.

SmartIR: Intelligent control of infrared lamp fill light intensity, according to the focal length, whether the screen is too burst dynamic control of infrared light.

Manual: Fill light at the set IR lamp brightness.

OFF: There is no fill light.

Low/High Beam Light: The brightness of the IR light can be adjusted manually (0 ~ 100, set to 0 the IR light does not light up, 100 is the brightest).

Anti-Overexposure: When turned on in all image modes, this function prevents overexposure of images in high-brightness environments.

WDR: Wide Dynamic Mode, which equalizes the overall picture according to the value of the **WDR Level** setting, so that both bright and dark areas can be seen clearly. (**DWDR** in some models)

Corridor Mode: The image is rotated 90 degrees clockwise. (Some models support Corridor Mode)

Vertical Flip: Vertical mirroring mode to make the image of the screen interact up and down.

Horizontal Flip: Mirror mode in horizontal direction, so that the image of the screen interacts left and right.

Angle Adjustment: Image rotation setting, the camera can be adjusted by this value in certain usage scenarios where the camera is inverted from the preset, e.g. designed to be used upside down, but in reality it is used in a flat position.

4.4.3 Audio Settings

The Audio Settings page allows you to set the audio decoding type, audio input type, output volume, and input volume, as shown in Figure 4-7.

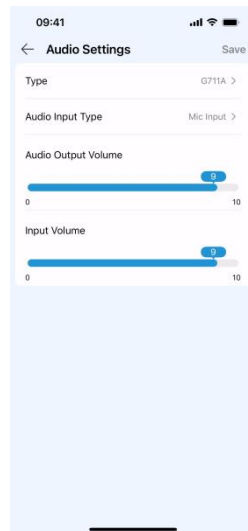


Figure 4-7 Audio Settings

Type: Set the audio decoding type, supports G711A and G711U.

Audio Input Type: You can select the audio input type, there are Mic Input and Line Input, Mic Input means the audio is input through the microphone of the device, and Line Input means the audio is input through the tail line of the device (supported by some models).

Output Volume: Set the volume of the output audio.

Input Volume: Set the volume of the input audio.

4.4.4 Video Cover

If the user needs to mask specific areas of the image, this feature will support

the creation of 4 to 6 (increased to 6 for some models) privacy zones, with customizable sizes and locations.

Turn on the Video Cover switch, click the "⊕" button in the lower right corner, you can create a privacy area, in the form of "semi-transparent", click save, the privacy area will be displayed in black. Users can move the position of the rectangle by long press, and click the fixed point of the red rectangle to adjust its size. Select the rectangle box and click "🗑️" button to delete the privacy area. As shown in Figure 4-8.

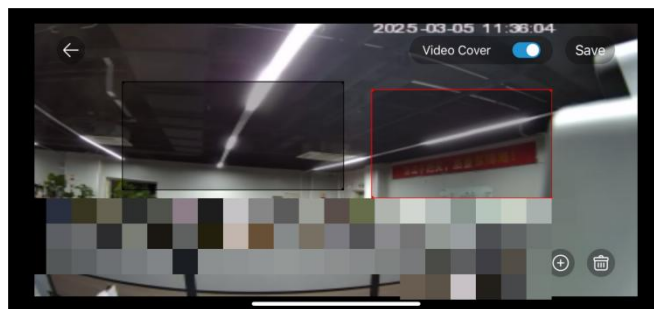


Figure 4-8 Video Cover Area

4.4.5 About Camera

This page displays detailed information about the camera. Also, it supports detecting system version updates, as shown in Figure 4-9.

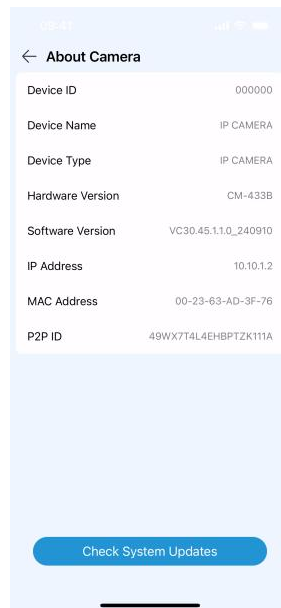


Figure 4-9 About camera

4.5 Event Settings

4.5.1 Face Detection

This page allows you to set the parameters related to face detection, as shown in Figure 4-10.

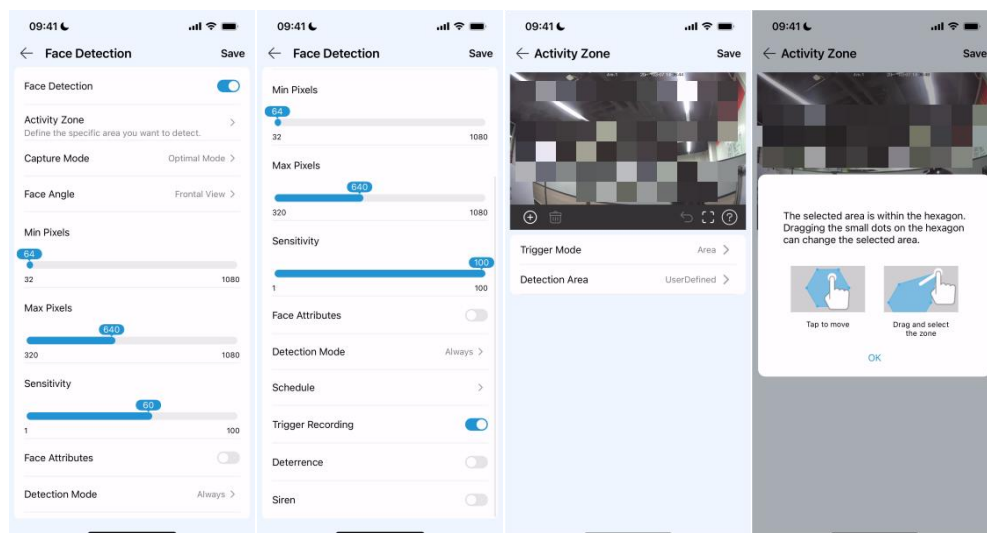


Figure 4-10 Face Detection

Face Detection: Enable or disable face detection.

Activity Zone: Set the zone to be detected.

Trigger Mode: Type of rule. There are rectangle and line rules.

Detection Area: Two types of settings are supported: full screen and user-defined.

Rule Type: Set the rule for crossing lines. You need to draw a line in the upper preview window. When the face crosses the line according to the set rule A->B or B->A, it will be detected.

Capture Mode: There are Optimal Mode (select the best quality image to be pushed from the time the face appears to the time it disappears), Real Time Mode (push once when the face appears, and again when it disappears), and Interval Mode (customize the time and interval of the pushes).

Snapshot Qty: Set the number of snapshots for face push in interval mode.

Capture Interval: Set the frequency of face push in interval mode.

Face Angle: Set the angle of detection, there are Positive Face Mode, Multi-Angle Mode and customize Angle Mode.

Roll Angle: Set the range of face rotation at a customized angle.

Pitch Angle: Set the range of face pitch at a customized angle.

Yaw Angle: Set the range of the horizontal flip of the face at a customized angle.

Frontal view/Multi-angle: Reset the angle settings to default to the frontal and multi-angle settings.

Picture Quality: Set the image quality, 0 is the lowest, 100 is the highest.

Min Pixels: Set the minimum recognition pixel frame, the face has to be larger than the set pixels to be recognized.

Max Pixels: Set the maximum recognized pixel frame, the face has to be smaller than the set pixels to be recognized.

Sensitivity: Set the sensitivity, range 1-100, the larger the value, the easier the trigger.

Face Attributes: When turned on, it can detect whether the face is wearing mask, glasses, expression, gender, age and other features.

Detection Mode: There are two modes of detection: Always and Moving Only. Moving Only Mode: Only moving targets in the frame are detected. Always Mode: Both static and moving targets are detected. Setting Motion Mode reduces false alarms, e.g. some targets that look like human faces (posters, statues, etc.), which are stationary in the picture, will not trigger the alarm.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.2 Pedestrian & Vehicle

This page allows you to set the parameters related to Pedestrian & Vehicle detection, as shown in Figure 4-11.

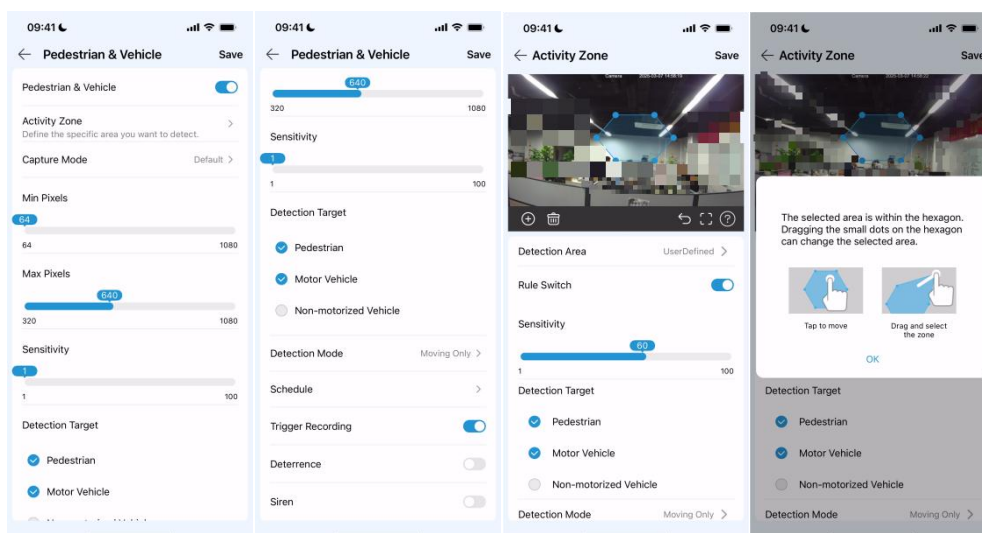


Figure 4-11 Pedestrian & Vehicle

Pedestrian & Vehicle: Enable or disable pedestrian & vehicle detection.

Activity Zone: Set the zone to be detected.

Detection Area: Two types of settings are supported: full screen and user-defined.

Rule Switch: When enabled, the set detection line takes effect.

Capture Mode: There are Default Mode (select the best quality image to be pushed during the time from the appearance of the pedestrian & vehicle to its disappearance), Real Time Mode (push once when it appears, and again when it disappears), and Interval Mode (customize the time and interval of the pushes).

Snap Qty: In interval mode, set the number of captures pushed by the pedestrian & vehicle.

Capture Interval: In Interval mode, set the frequency of the pedestrian & vehicle push.

Min. pixels: Set the minimum pixel box, the pedestrian & vehicle has to be

bigger than the set pixels in order to be recognized.

Max. Pixels: Set the maximum recognized pixel frame, the pedestrian & vehicle has to be smaller than the set pixels in order to be recognized.

Sensitivity: Set the sensitivity, range 1-100, the larger the value, the easier the trigger.

Detection Target: Set the detection target, you can choose pedestrian type, motor vehicle type, non-motorized type or all types.

Detection Mode: You can set Always or Moving Only mode. Always mode supports detection of static and moving targets, while moving only mode supports detection of moving targets only.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.3 License Plate

This page allows you to set the parameters related to license plate detection, as shown in Figure 4-12.

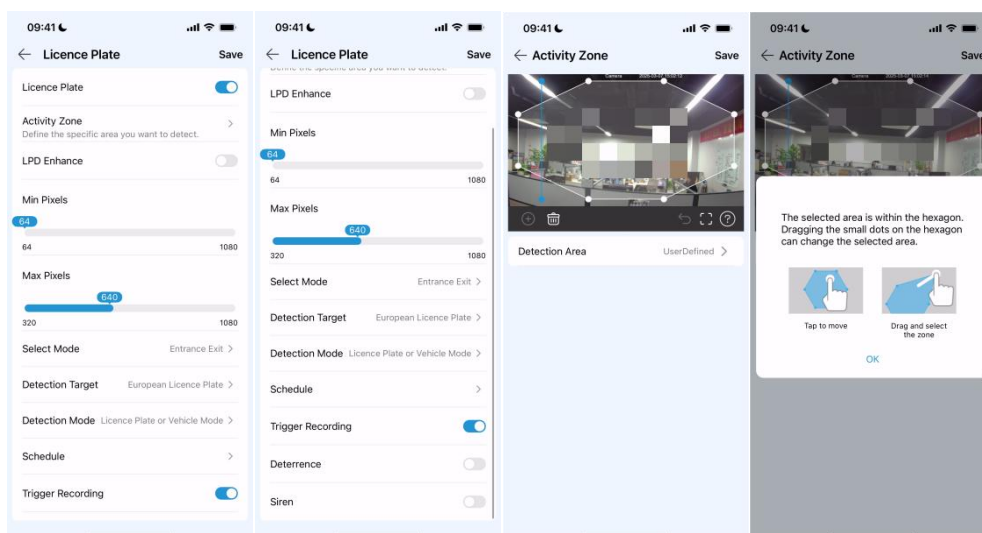


Figure 4-12 License Plate

License Plate: Enables or disables license plate detection.

Activity Zone: Set the zone to be detected.

Detection Area: Two types of settings are supported: full screen and user-defined.

LPD Enhance: Turn license plate detection enhance on or off.

Min pixels: Minimum pixel frame, the license plate must be larger than the set minimum pixels to be recognized.

Max pixels: Maximum pixels frame, the license plate has to be smaller than the set maximum pixels in order to be recognized.

Select Mode: According to the actual installation location to select the appropriate scene mode can enhance the effect of license plate capture, there are three kinds:

Entrance/Exit: Road gate entrance/exit scenarios.

City Street: City street scene.

Alarm Input: Alarm input mode (requires camera to support I/O alarm

input)

Detection Target: The type of license plate to be detected, there are two kinds as follows:

European license plate: European license plate.

American license plate: American license plate.

Detection Mode: License Plate Detection Mode, vehicle priority mode and license plate or vehicle mode can be set; vehicle priority mode only captures the license plate installed on the vehicle; license plate or vehicle mode can capture the license plate installed or not installed on the vehicle.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.4 Intrusion

This page allows you to set the parameters related to intrusion, as shown in Figure 4-13.

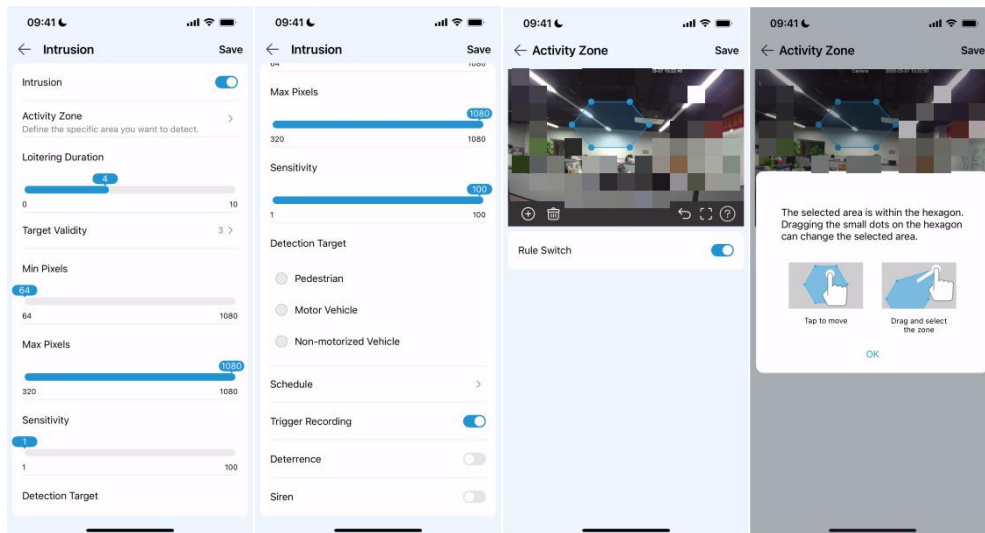


Figure 4-13 Intrusion

Intrusion: Enable or disable zone intrusion detection.

Activity Zone: Set the zone to be detected.

Rule Switch: When enabled, the set detection line takes effect.

Loitering Duration: Indicates that the target enters the alert area and stays there continuously for that time to generate an alarm. For example, if it is set to 5, that is, the target will trigger the alarm immediately after 5 seconds of invading the area, and the maximum duration can be set to 10 seconds.

Target Validity: Which indicates the similarity between the target and the set detection type, and the alarm will be triggered only when the set similarity is reached or exceeded. The higher the setting level, the higher the similarity requirement, the more obvious the required target features and the higher the alarm accuracy. The setting level can be set from 1 to 4, with 1 being the highest confidence level. Each level corresponds to the detection target similarity requirements: 1 ~ 80%, 2 ~ 60%, 3 ~ 40%, 4 ~ 20%.

Min Pixels: Set the minimum recognized pixels, the target has to be larger than

the set pixels to be recognized.

Max Pixels: Set the maximum recognized pixels, the target has to be smaller than the set pixels to be recognized.

Sensitivity: Trigger the sensitivity setting for area intrusion detection, the higher the sensitivity setting, the easier it is to trigger the alarm.

Detection Target: Set the detection target, you can choose "Pedestrian", "Motor Vehicle", "Non-Motorized Vehicle". "Pedestrian" means only detecting intruding pedestrians, "Motor Vehicle" means only detecting intruding motor vehicles, "Non-Motorized Vehicle" means only detecting intruding non-motorized vehicles, and "No any type" means only detecting intruding non-motorized vehicles. "No type selected" indicates detection of all moving targets.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.5. Enter Region

This page allows you to set the parameters related to the enter region, as shown in Figure 4-14.

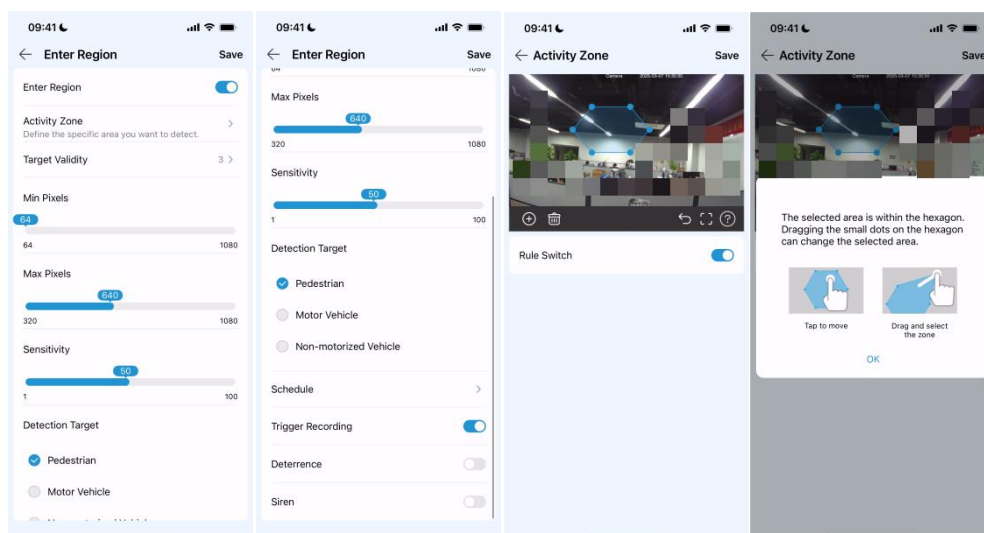


Figure 4-14 Enter Region

Enter Region: Enables or disables enter region detection.

Activity Zone: Set the zone to be detected.

Rule Switch: When enabled, the set detection line takes effect.

Target Validity: Which indicates the similarity between the target and the set detection type, and the alarm will be triggered only when the set similarity is reached or exceeded. The higher the setting level, the higher the similarity requirement, the more obvious the required target features and the higher the alarm accuracy. The setting level can be set from 1 to 4, with 1 being the highest confidence level. Each level corresponds to the detection target similarity requirements: 1 ~ 80%, 2 ~ 60%, 3 ~ 40%, 4 ~ 20%.

Min. Pixels: Set the minimum recognized pixels, the target has to be larger than the set pixels to be recognized.

Max. Pixels: Set the maximum recognized pixels, the target has to be smaller than the set pixels to be recognized.

Sensitivity: The sensitivity setting for triggering enter region detection, the

larger the sensitivity setting, the easier it is to trigger the alarm.

Detection Target: Set the detection target, you can choose "Pedestrian", "Motor Vehicle", "Non-Motorized Vehicle". "Pedestrian" means only detecting intruding pedestrians, "Motor Vehicle" means only detecting intruding motor vehicles, "Non-motorized" means only detecting intruding non-motorized vehicles, and "No any type" means only detecting intruding non-motorized vehicles. "No type selected" indicates detection of all moving targets.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.6. Exit Region

This page allows you to set the parameters related to the exit region, as shown in Figure 4-15.

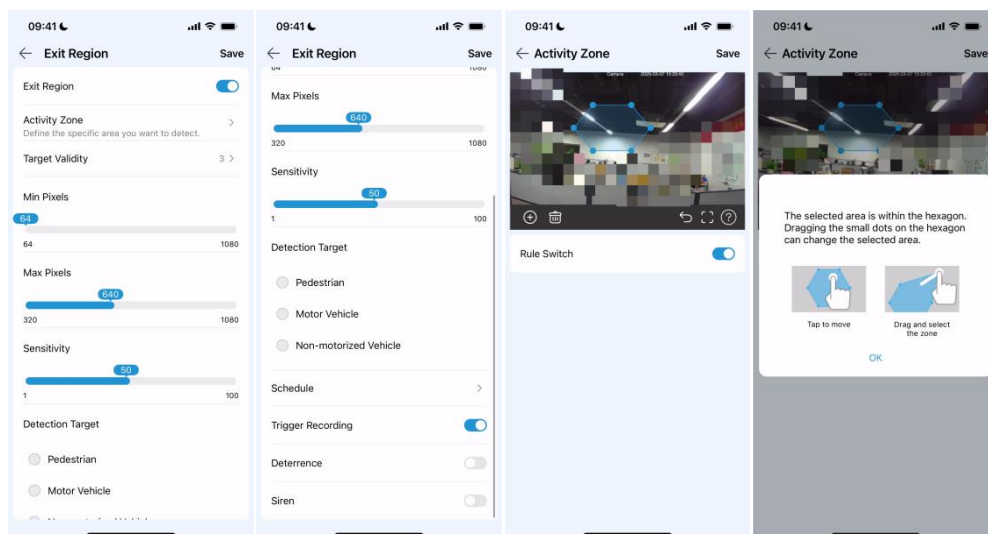


Figure 4-15 Exit Region

Exit Region: Enable or disable exit region detection.

Activity Zone: Set the zone to be detected.

Rule Switch: When enabled, the set detection line takes effect.

Target Validity: Which indicates the similarity between the target and the set detection type, and the alarm will be triggered only when the set similarity is reached or exceeded. The higher the setting level, the higher the similarity requirement, the more obvious the required target features and the higher the alarm accuracy. The setting level can be set from 1 to 4, with 1 being the highest confidence level. Each level corresponds to the detection target similarity requirements: 1 ~ 80%, 2 ~ 60%, 3 ~ 40%, 4 ~ 20%.

Min. Pixels: Set the minimum recognized pixels, the target has to be larger than the set pixels to be recognized.

Max. Pixels: Set the maximum recognized pixels, the target has to be smaller than the set pixels to be recognized.

Sensitivity: The sensitivity setting for triggering exit region detection, the larger the sensitivity setting, the easier it is to trigger the alarm.

Detection Target: Set the detection target, you can choose "Pedestrian", "Motor Vehicle", "Non-Motorized Vehicle". "Pedestrian" means only detecting intruding pedestrians, "Motor Vehicle" means only detecting intruding motor vehicles, "Non-motorized" means only detecting intruding non-motorized vehicles, and "No any type" means only detecting intruding non-motorized vehicles. "No type selected" indicates detection of all moving targets.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.7 Line Crossing

This page allows you to set the parameters related to line crossing detection, as shown in Figure 4-16.

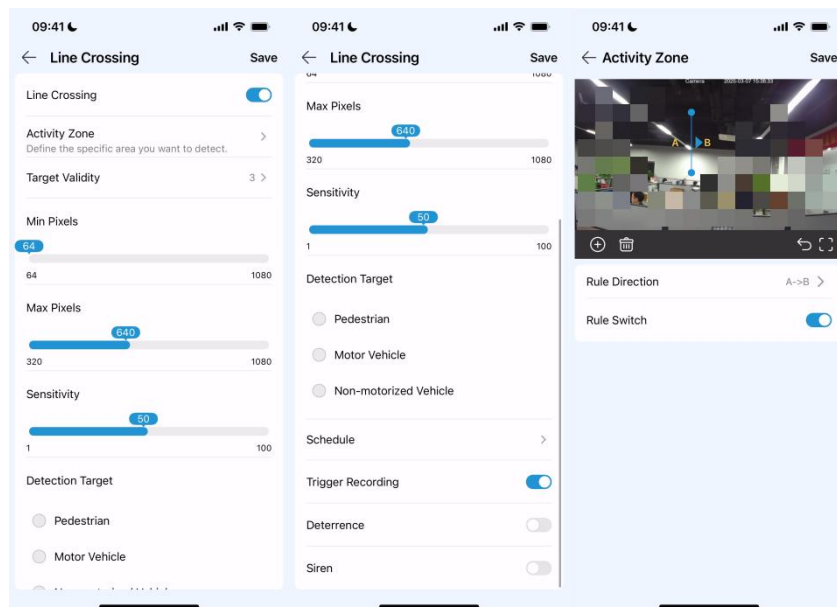


Figure 4-16 Line Crossing

Line Crossing: Enable or disable line crossing detection.

Activity Zone: Set the zone to be detected.

Rule Direction: The rule triggered by the rule line, there are three kinds of crossing rules: $A \rightarrow B$, $B \rightarrow A$ and $A \leftarrow B$.

Rule Switch: When enabled, the set detection line takes effect.

Target Validity: Which indicates the similarity between the target and the set

detection type, and the alarm will be triggered only when the set similarity is reached or exceeded. The higher the setting level, the higher the similarity requirement, the more obvious the required target features and the higher the alarm accuracy. The setting level can be set from 1 to 4, with 1 being the highest confidence level. Each level corresponds to the detection target similarity requirements: 1 ~ 80%, 2 ~ 60%, 3 ~ 40%, 4 ~ 20%.

Min. Pixels: Set the minimum recognized pixels, the target has to be larger than the set pixels to be recognized.

Max. Pixels: Set the maximum recognized pixels, the target has to be smaller than the set pixels to be recognized.

Sensitivity: The sensitivity setting for triggering the line crossing detection, the larger the sensitivity setting, the easier it is to trigger the alarm.

Detection Target: Set the detection target, you can choose "Pedestrian", "Motor Vehicle", "Non-Motorized Vehicle". "Pedestrian" means only detecting intruding pedestrians, "Motor Vehicle" means only detecting intruding motor vehicles, "Non-motorized" means only detecting intruding non-motorized vehicles, and "No any type" means only detecting intruding non-motorized vehicles. "No type selected" indicates detection of all moving targets.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.8 Object Detection

This page allows you to set the parameters related to object detection, as shown in Figure 4-17.

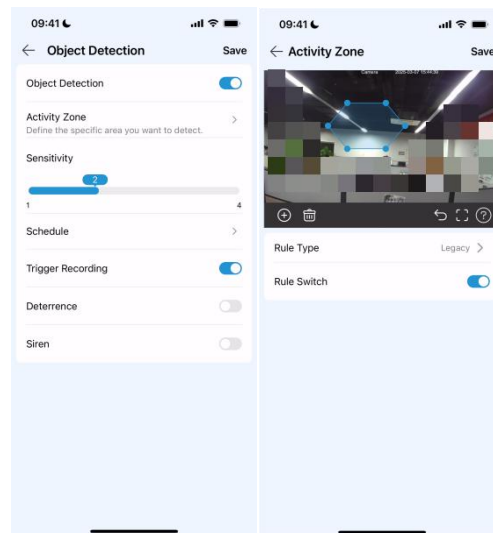


Figure 4-17 Object Detection

Object Detection: Enable or disable object detection.

Activity Zone: Set the zone to be detected.

Rule Type: Select the rule type.

Legacy: Detects only objects left in the detection area.

Loss: Detects only objects that are lost within the detection area.

Legacy & Loss: Will detect objects that are left behind and lost in the detection area.

Rule Switch: When enabled, the set detection area takes effect.

Sensitivity: Parameter range 1~4, default value 2. the higher the sensitivity, the easier it is to detect objects left behind or lost in the detection area, and at the

same time, the more false detections there will be, the corresponding leakage will be reduced, it is recommended to keep the default value.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.9 Cross Counting

This page allows you to set the parameters related to cross counting, as shown in Figure 4-18.

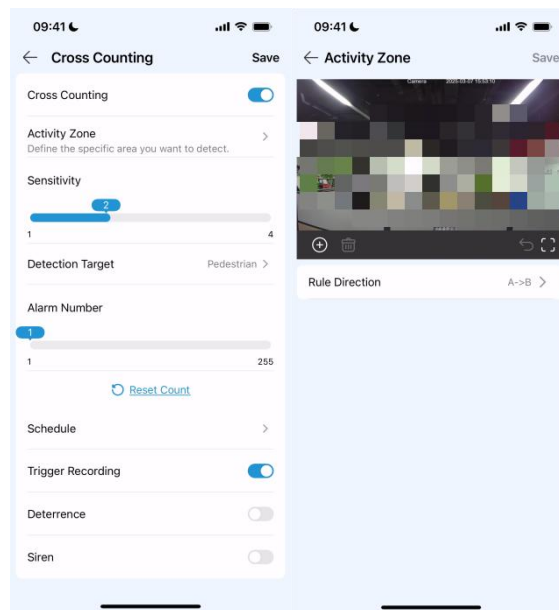


Figure 4-18 Cross Counting

Cross Counting: Enable or disable cross counting detection.

Activity Zone: Set the zone to be detected.

Rule Type: There are two types of crossing rules: A→B and B→A.

Rule Switch: When enabled, the set detection line takes effect.

Sensitivity: Sensitivity level from 1 to 4, default value is 2. Higher sensitivity will trigger detection more easily.

Detection Target: Set the type of target for cross counting.

Motion: Counts all moving objects that cross the line.

Pedestrian: Counts only pedestrians crossing the line.

Motor Vehicle: Counts only motor vehicles that cross the line.

Non-motorized Vehicle: Counts only non-motorized vehicles crossing the line.

Alarm Number: Set the number of alarms, if the set value is reached, an alarm will be generated.

Reset Count: Clear the count to zero and recount.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.10 Heat Map

This page allows you to set the parameters related to the heat map, as shown in Figure 4-19.

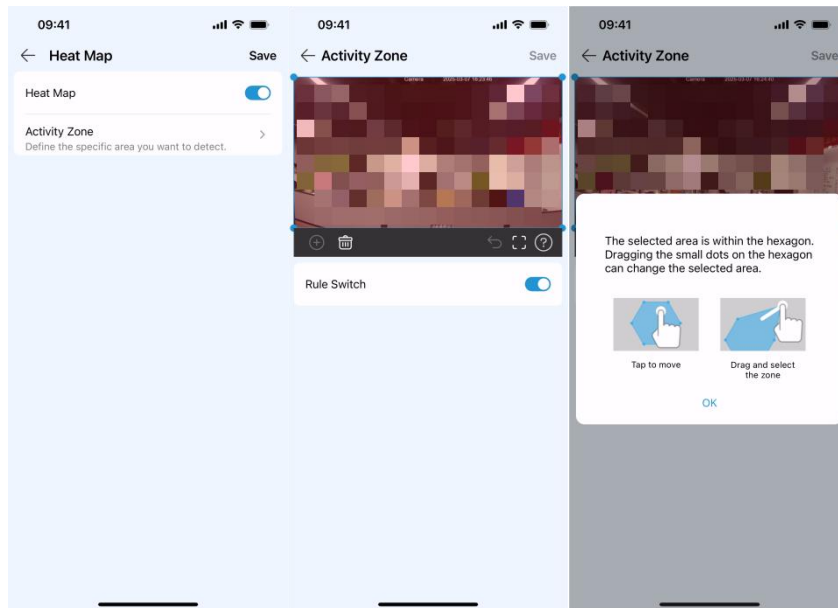


Figure 4-19 Heat Map

Heat Map: Enable or disable heat map statistics.

Activity Zone: Set the zone to be detected.

Rule Switch: When enabled, the set detection line takes effect.

4.5.11 Crowd Density

This page allows you to set the parameters related to crowd density detection, as shown in Figure 4-20.

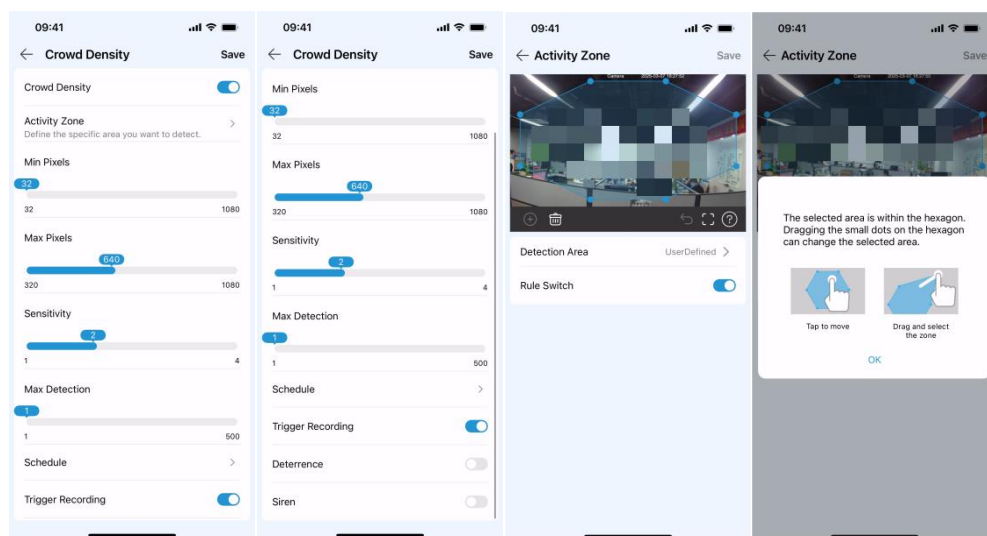


Figure 4-20 Crowd Density

Crowd Density: Enable or disable crowd density detection.

Activity Zone: Set the zone to be detected.

Detection Area: Two types of settings are supported: full screen and user-defined.

Rule Switch: When enabled, the set detection line takes effect.

Min pixels: Set the minimum pixel box, the pedestrian must be larger than the set pixels to be recognized.

Max pixels: Set the max pixels box, the pedestrian must be smaller than the set pixels to be recognized.

Sensitivity: Sensitivity levels from 1 to 4. Higher sensitivity will trigger detection more easily.

Max Detection: When the number of pedestrian in the detection area exceeds the set maximum number of detectors, the crowd density alarm will be triggered.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.12 Queue Length

This page allows you to set the parameters related to queue length detection, as shown in Figure 4-21.

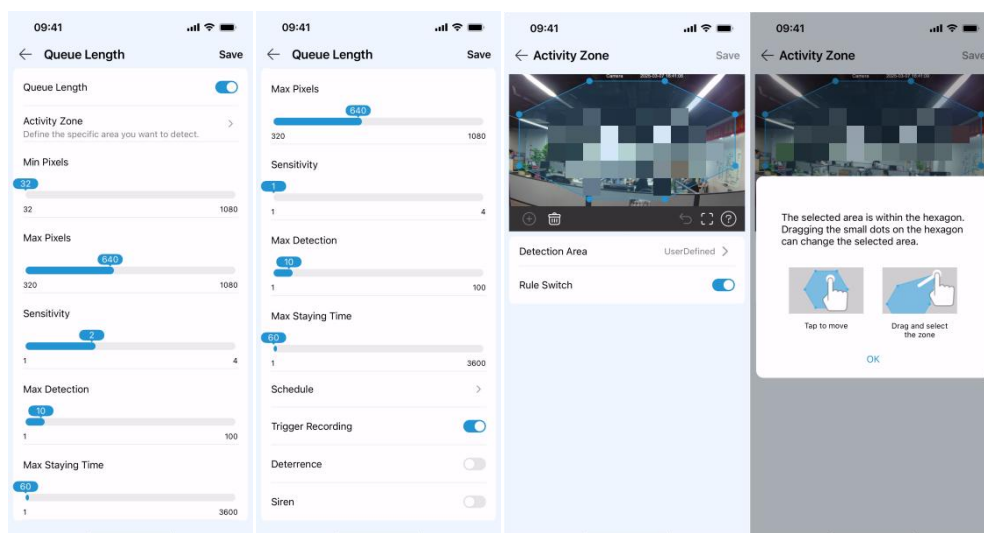


Figure 4-21 Queue Length

Queue Length: Enable or disable queue length detection.

Activity Zone: Set the zone to be detected.

Detection Area: Two types of settings are supported: full screen and user-defined.

Rule Switch: When enabled, the set detection line takes effect.

Min pixels: Set the minimum pixel box, the pedestrian must be larger than the set pixels to be recognized.

Max pixels: Set the max pixels box, the pedestrian must be smaller than the set pixels to be recognized.

Sensitivity: Sensitivity levels from 1 to 4. Higher sensitivity will trigger detection more easily.

Max Detection: When the number of pedestrian in the detection area exceeds the set maximum number of detectors, a queue length alarm will be triggered.

Max Staying Time: The queue length alarm will be triggered when the queue's stalling time exceeds the set processing time.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.13 Rare sound

This page allows you to set the parameters related to rare sound detection, as shown in Figure 4-22.

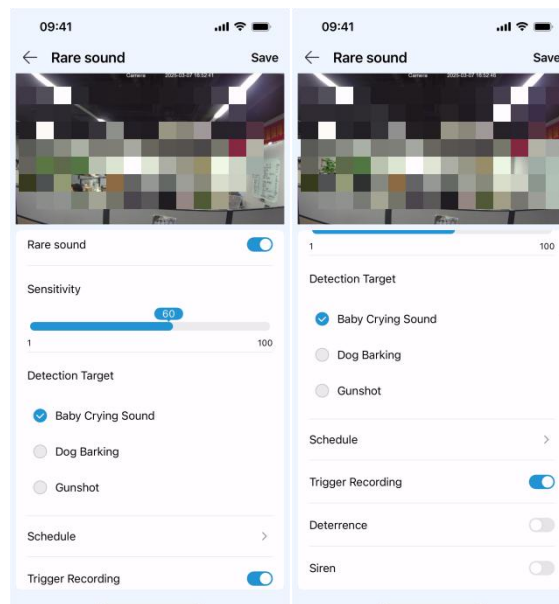


Figure 4-22 Rare sound

Rare sound: Enable or disable rare sound detection.

Sensitivity: Sensitivity setting, higher sensitivity will trigger detection more easily.

Detection Target: Detection Type

Baby Crying: Check this box to detect baby crying.

Dog Barking: Check this box to detect dog barking.

Gunshot: Check this box to detect gunshot.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.14 Motion Detection

This page allows you to set the parameters related to motion detection, as shown in Figure 4-23.

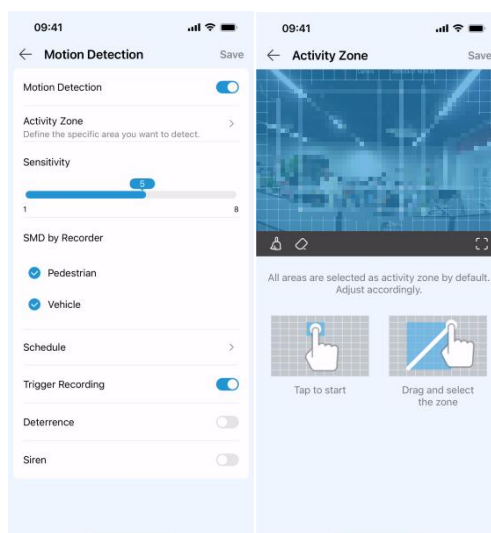


Figure 4-23 Motion Detection

Motion Detection: Enable or disable motion detection.

Activity Zone: Set the zone to be detected.

Sensitivity: Set the sensitivity level, the higher the sensitivity, the farther the detection distance.

SMD by Recorder: For cameras that do not support intelligent motion detection, there are Pedestrian, Vehicle, two types of detection available. If you don't check

the box, all object movement can trigger the motion detection alarm.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.5.15 Video Tampering

This page allows you to set the parameters related to video tampering, as shown in Figure 4-24.

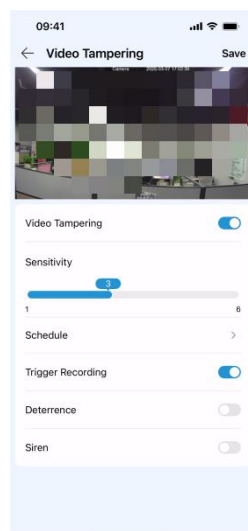


Figure 4-24 Video Tampering

Video Tampering: Enable or disable regional video tampering.

Sensitivity: Sensitivity level is 1 ~ 6, default value is 4. The higher the sensitivity, the easier it is to trigger the alarm.

Schedule: Schedule.

Trigger Recording: Linkage recording switch.

Deterrence: Warning light switch.

Siren: Audible Warning Switch.

4.6 Event Linkage

The Event Linkage page allows you to set the deterrence, siren, and message notification, as shown in Figure 4-25.

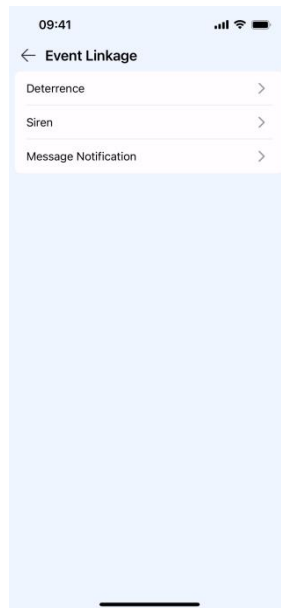


Figure 4-25 Event Linkage

4.6.1 Deterrence

When the camera supports white light, red and blue light function, this page can set the deterrent parameters. When triggering the alarm linked to the deterrent, it will light up the light for alarm in accordance with the way of the set parameters. As shown in Figure 4-26.

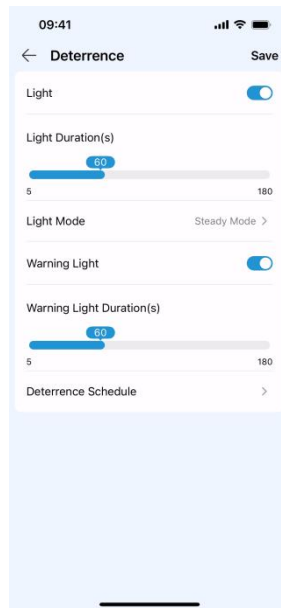


Figure 4-26 Deterrence

Light: Turn the light warning on or off.

Light Duration(s): The duration of the white light.

Light Mode: Set the white light mode, there are 2 modes:

Steady Mode: The white light is always on when deterring.

Flashing Mode: The white light flashes at a set frequency when deterring.

Warning Light: Turn the red and blue warning light on and off.

Warning Light Duration(s): The duration of the red and blue light.

Deterrence Schedule: Set up a schedule for when the white light and red and blue light will be in effect.

4.6.2 Siren

When the camera supports siren, you can set siren-related parameters in this page. When the siren triggered by the linkage deterrent, the siren will be automatically opened for deterrence. As shown in Figure 4-27.

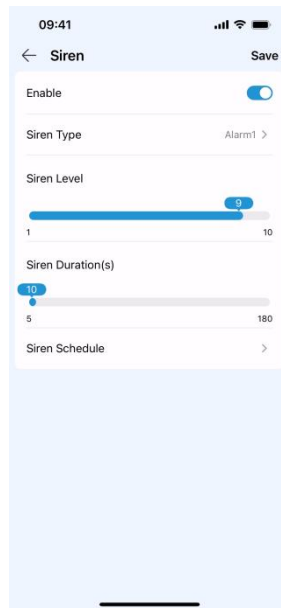


Figure 4-27 Siren

Siren: Enable or disable the siren switch.

Siren Type: Change the audio file of the siren.

Siren Volume: Siren sound volume level, supports 1 ~ 10 adjustable levels.

Siren Duration(s): The duration of the siren, support 5 ~ 180 seconds adjustable.

Siren Schedule: Set the schedule of the effective time of the siren.

4.6.3 Push Notification

The push Notification page allows you to set the message notification switch, alarm type, time interval, and notification schedule parameters. As shown in Figure 4-28.

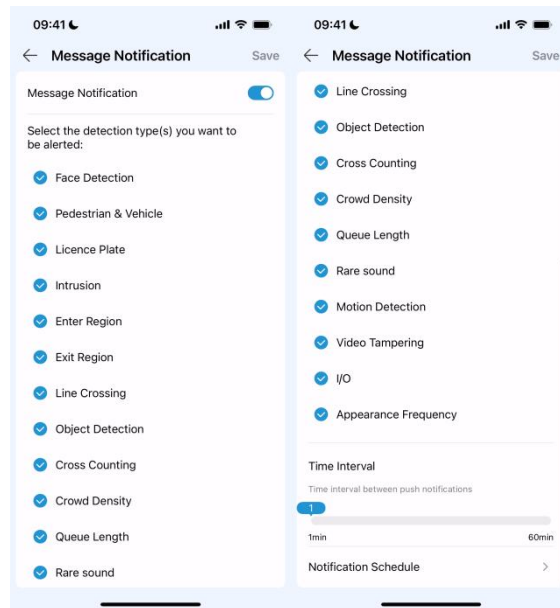


Figure 4-28 Message Notification

4.7 Encode & Record

4.7.1 Encode

4.7.1.1 Mainstream

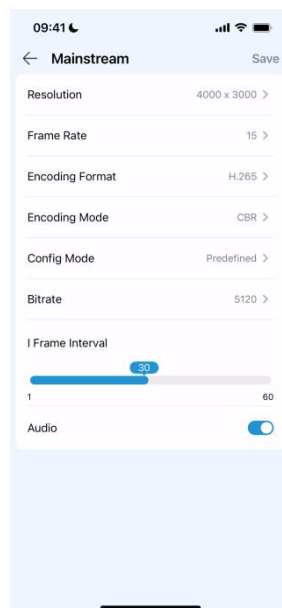


Figure 4-29 Mainstream

Resolution: Set the resolution of the mainstream video.

Frame Rate: Set the frame rate of the mainstream video.

Encoding Format: Channel encoding type, supports 264, 265, 264+, 265+.

Encoding Mode: For simple scenes, such as a gray wall, Constant Bit Rate (CBR) is appropriate. For more complex scenes, such as busy streets, Variable Bit Rate (VBR) is appropriate.

Video Quality: When the encoding mode is selected as VBR, the available image qualities are Lowest, Lower, Low, Medium, Higher and Highest.

Config Mode: Choose between Predefined Mode and User-defined Mode. For predefined mode, you need to select the bitrate via the drop-down list, and for user-defined mode, you need to manually input the set bitrate.

Bitrate: This parameter corresponds to the bitrate used by the device to record video. The higher the bitrate the better the image quality.

I Frame Interval: Set the I frame interval of the IP camera.

Audio: When accessing a camera that supports audio, audio is enabled and the mainstream of the video channel has audio recording.

4.7.1.2 Substream

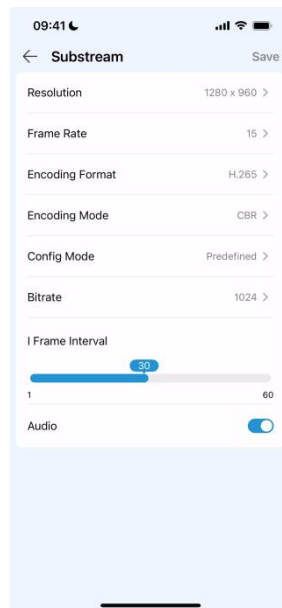


Figure 4-30 Substream

Resolution: Set the resolution of the substream video.

Frame Rate: Set the frame rate of the substream video.

Encoding Format: Channel encoding type, supports 264, 265, 264+, 265+ and MJPEG.

Encoding Mode: Select the bitrate level. For simple scenes, such as a gray wall, Constant Bit Rate (CBR) is appropriate. For more complex scenes, such as busy streets, Variable Bit Rate (VBR) is appropriate.

Video Quality: When the encoding mode is selected as VBR, the available image qualities are Lowest, Lower, Low, Medium, Higher and Highest.

Config Mode: Choose between Predefined Mode and User-defined Mode. For predefined mode, you need to select the bit rate by drop down, and for custom mode, you need to input the bit rate manually.

Bitrate: This parameter corresponds to the bitrate used by the device to record video. The higher the bitrate the better the image quality.

I Frame Interval: Set the I frame interval of the IP camera.

Audio: When accessing a camera that supports audio, audio is enabled and the video channel substream has audio recording.

4.7.1.3 Thirdstream

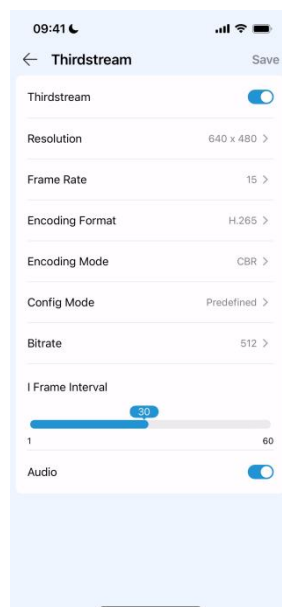


Figure 4-31 Thirdstream

Switch: Turn the thirdstream on or off.

Resolution: Set the resolution of the thirdstream video.

Frame Rate: Set the number of frames for the thirdstream video.

Encoding Format: Channel encoding type, supports 264, 265, 264+, 265+.

Encoding Mode: Select the bitrate level. For simple scenes, such as a gray wall, Constant Bit Rate (CBR) is appropriate. For more complex scenes, such as busy streets, Variable Bit Rate (VBR) is appropriate.

Video Quality: When the encoding mode is selected as VBR, the available image qualities are Lowest, Lower, Low, Medium, Higher and Highest.

Config Mode: Choose between Predefined Mode and User-defined Mode. For predefined mode, you need to select the bit rate by drop down, and for custom mode, you need to input the bit rate manually.

Bitrate: This parameter corresponds to the bitrate used by the device to record video. The higher the bitrate the better the image quality.

I Frame Interval: Set the I frame interval of the IP camera.

Audio: When accessing a camera that supports audio, audio is enabled and the video channel thirdstream has audio recording.

4.7.2 Record

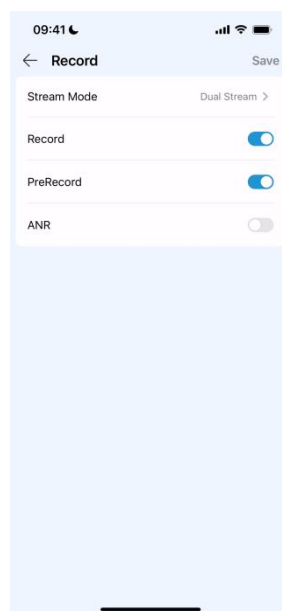


Figure 4-32 Record

Stream Mode: Select the recording type. If you select Dual Stream, the system will record both mainstream and substream; if you select Mainstream, the system will only record mainstream video.

Record: Record switch.

PreRecord: Pre-record switch.

ANR: If this option is enabled and the IPC of this channel has access to an SD card, the NVR is able to upload the video recorded by the IPC during the disconnection period as the main stream video to the NVR after the disconnection and reconnection.

4.7.3 Record Schedule

The video schedule supports schedule settings for Normal, Motion, and I/O types. As shown in Figure 4-33.

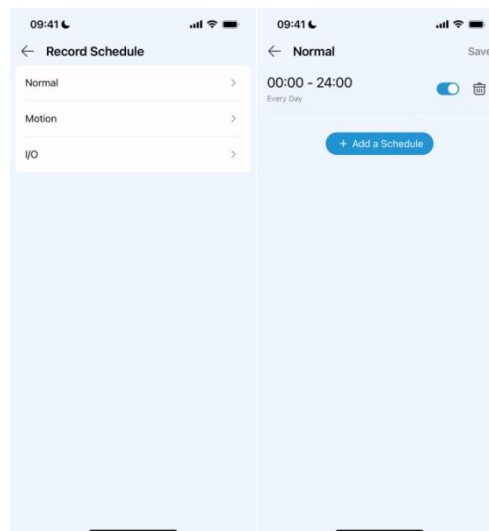


Figure 4-33 Record Schedule

4.8 Device Name

Click Device Name to enter the Name Modification page, enter the device name, click Save, and the device name is set successfully. As shown in Figure 4-34.

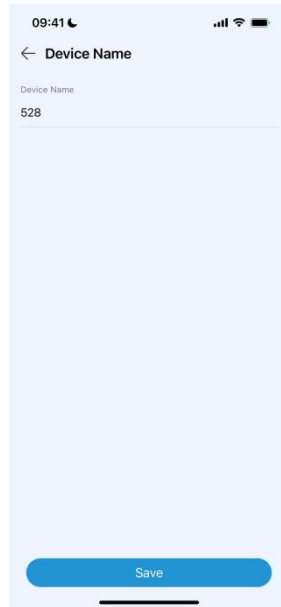


Figure 4-34 Device Name

4.9 Time Settings

Click "Time Settings" to enter the time zone configuration page, where you can select the time display format: 12-hour or 24-hour. If you need to adjust the time zone, just click the "Select Time Zone" option, you can jump to the time zone setting page to set the corresponding settings. As shown in Figure 4-35.

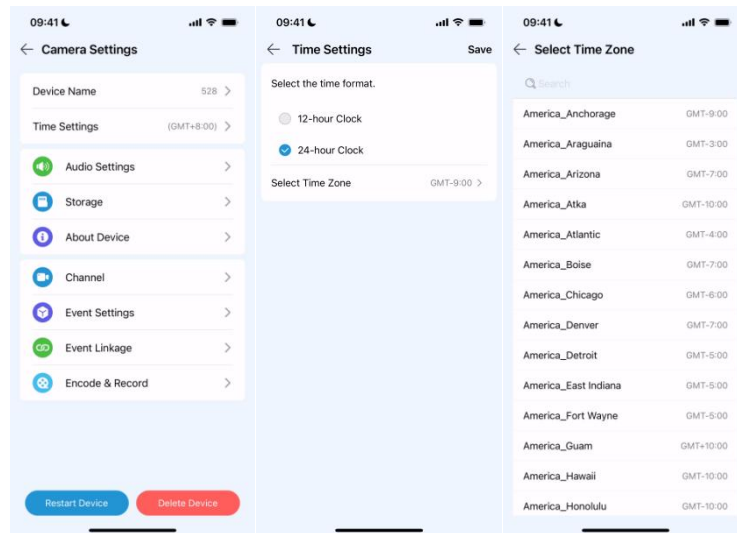


Figure 4-35 Time Settings

4.10 Storage

Click Storage to enter the Storage Settings page, where you can view the SD card/hard disk details and also perform disk formatting operations. As shown in Figure 4-36.

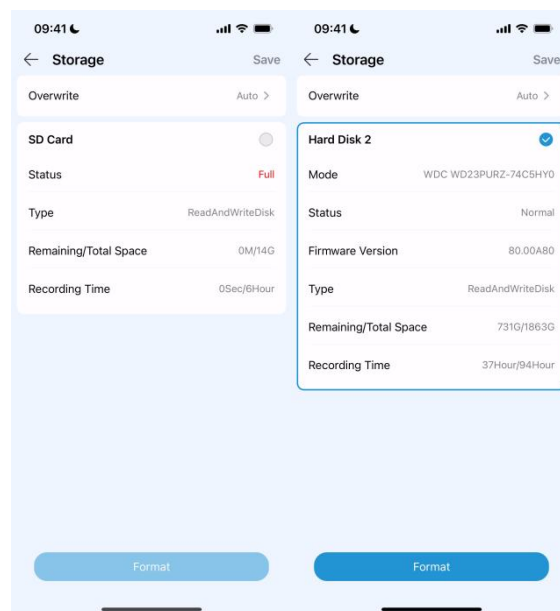


Figure 4-36 Storage

4.11 Restart Device

Click the "Restart Device" button and the device will be restarted.

4.12 Delete Device

Click the "Delete Device" button to remove the device from the Home page.

5. Device Settings

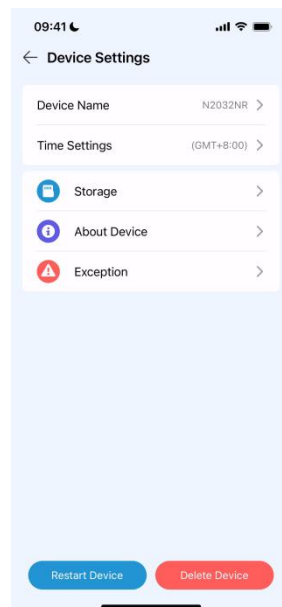


Figure 5-1 Device Settings

5.1 Device Name

The device name setting has the same function as described in section 4.8.

5.2 Time Settings

The time settings have the same function as described in section 4.9.

5.3 Storage

The storage settings have the same function as described in section 4.10.

5.4 About Device

This page displays the detailed information of the VCR. Also, it supports detecting system version updates, as shown in Figure 5-2.

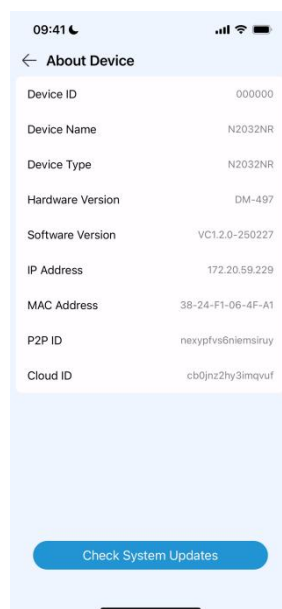


Figure 5-2 About Device

5.5 Exception

The exception page supports the parameter configuration function for hard disk full, hard disk error and video loss events. As shown in Figure 5-3.

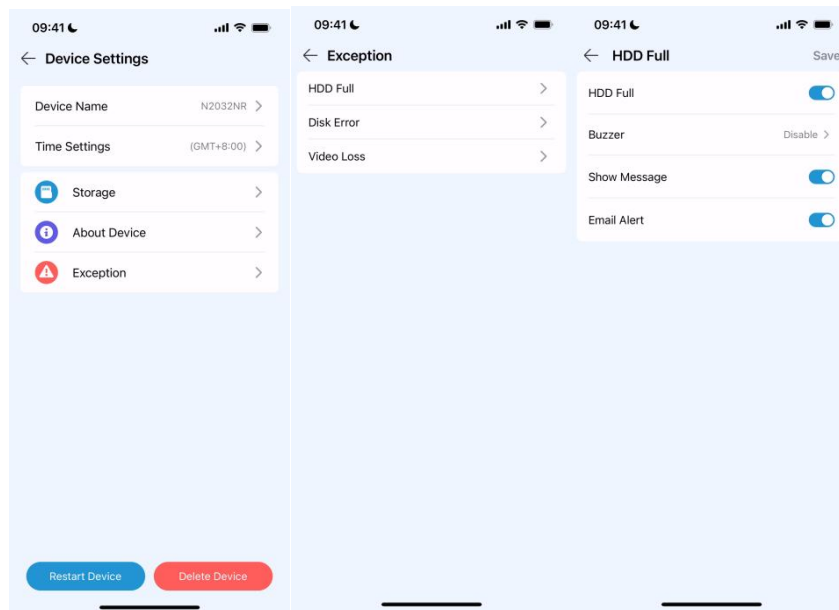


Figure 5-3 Exception

Buzzer: Set whether the device beeps when an event alarm occurs.

Show Message: Set whether or not to show icon or message in the real-time preview interface after an event alarm occurs.

Email Alert: Set whether or not to send an email after an event alarm occurs.

5.6 Restart Device

Restart Device performs the same function as described in section 4.11.

5.7 Delete Device

Delete Device performs the same function as described in section 4.12.

6. AI

The AI page supports fast entry of face data and license plate data, and integrates over-the-line statistics, heat map analysis and scene automation setting functions. As shown in Figure 6-1.

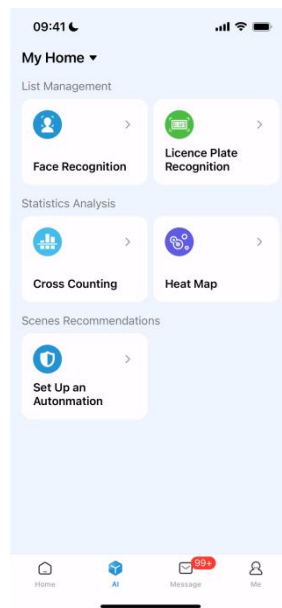


Figure 6-1 AI

6.1 Face Recognition

6.1.1 Add Group

Select the device, enter the group add page, click "+", enter the group name in the prompt box, click OK, the new group can be created successfully. As shown in Figure 6-2.

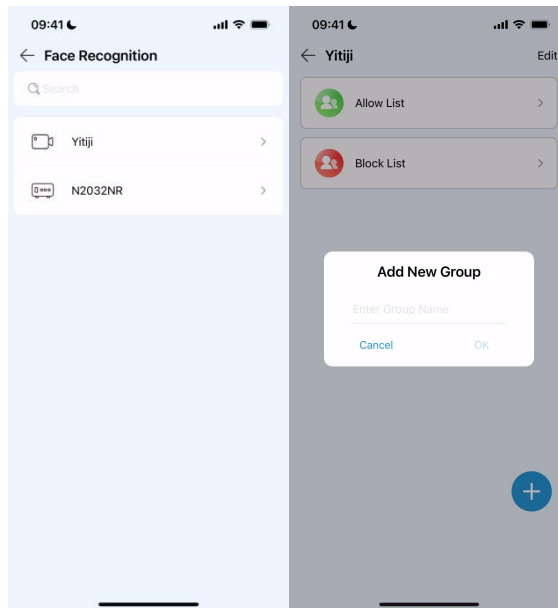


Figure 6-2 Add Group

6.1.2 Group Edit

Click "Edit" on the group page to delete and modify the name of the added group. As shown in Figure 6-3. (Note: Allow List and Block List groups cannot be deleted)

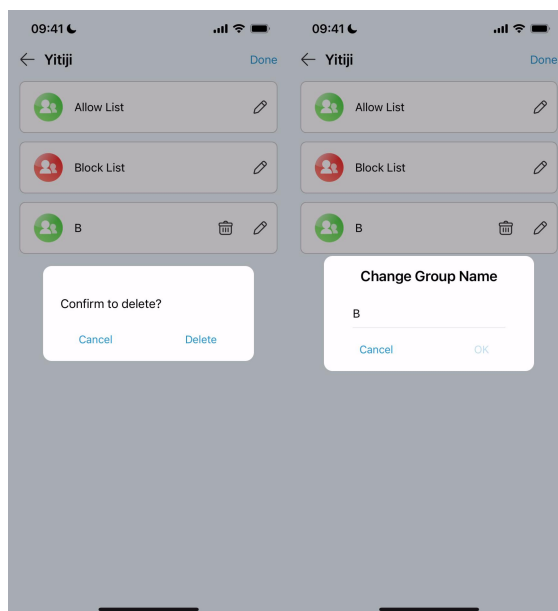


Figure 6-3 Group Edit

6.1.3 Add Face

Enter the group list and click the "+" button to enter the Add Face page. There are two ways to upload photos: take a photo and select from photo album. After uploading the photo, enter all the data information and click "Save", the face data will be added successfully. As shown in Figure 6-4.

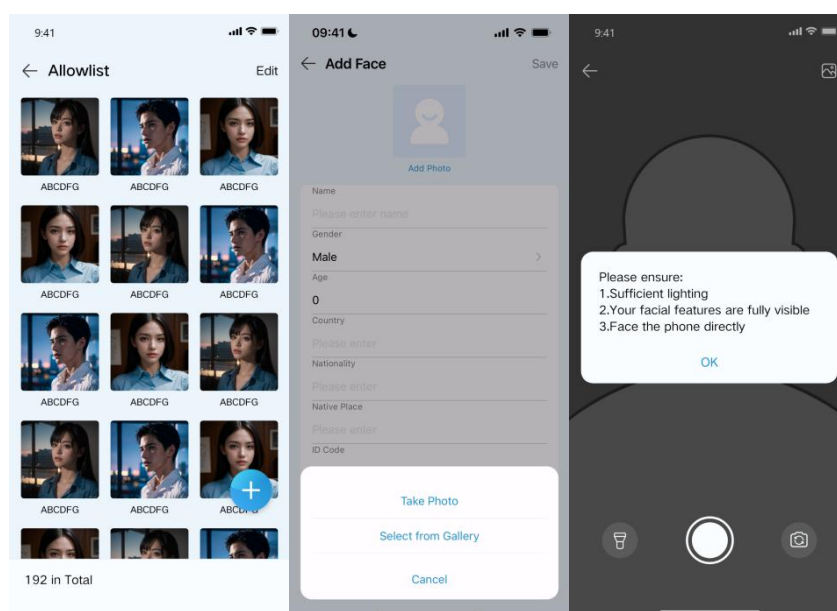


Figure 6-4 Add Face

6.1.4 Delete Face

Enter the list of groups, click "Edit" button, you can check the face data for deletion. As shown in Figure 6-5.

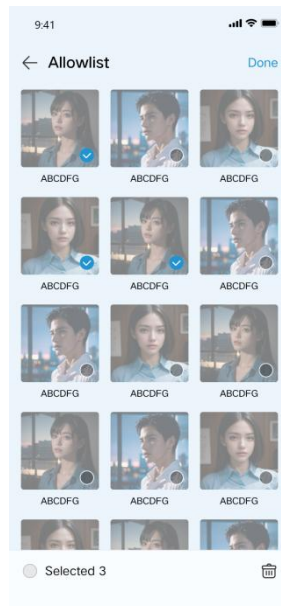


Figure 6-5 Delete Face

6.2 License Plate Recognition

6.2.1 Add Group

Select the device, enter the group add page, click "+", enter the group name in the prompt box, click OK, the group can be created successfully. As shown in Figure 6-6.

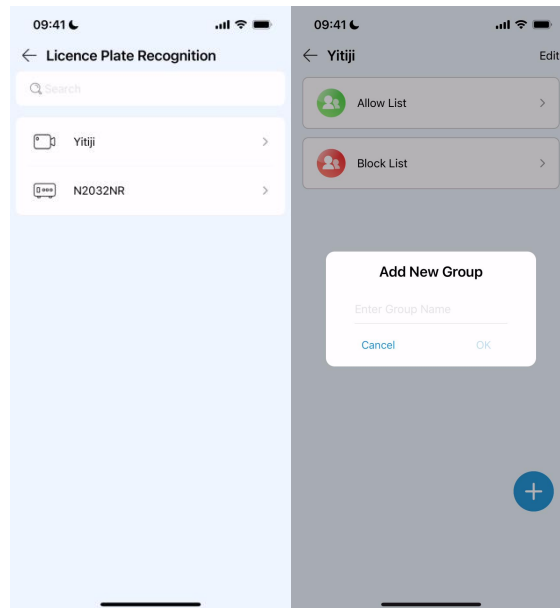


Figure 6-6 Add Group

6.2.2 Group Edit

Click "Edit" on the group page to delete and modify the name of the added group. As shown in Figure 6-7. (Note: Allow List and Block List groups cannot be deleted)

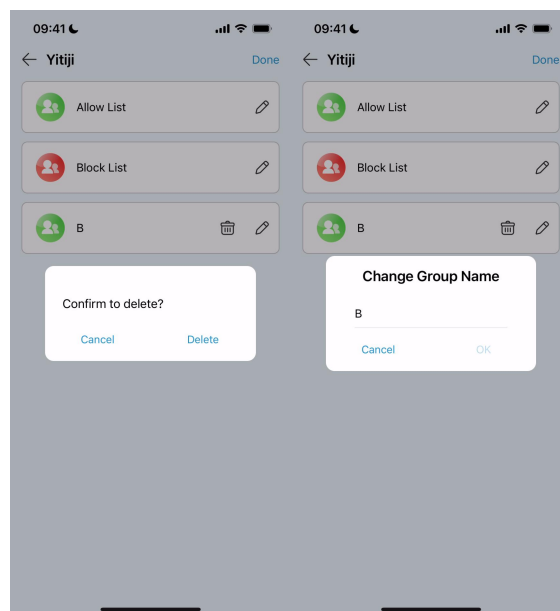


Figure 6-7 Group Edit

6.2.3 Import License Plate

Enter the group list and click "+" button to enter the page of import license plate data. Input the data information, click "Save", the license plate data can be imported successfully. As shown in Figure 6-8.

Figure 6-8 shows two mobile app screens. The left screen, titled "Import License Plate", contains a form with the following fields: Licence Plate, Color (set to Blue), Brand, Model, Owner, Gender (set to Male), ID Code, Phone Number, Occupation, Residence, and Remark. The right screen, titled "Allow List", shows a search bar and a list of two items: "C888888" and "C999999". A blue "+" button is visible at the bottom right of the "Allow List" screen. The status bar at the top of both screens shows the time as 09:41 and various icons.

Figure 6-8 Import License Plate

6.1.4 Delete License Plate

Enter the group list, click "Edit" button, you can check the license plate data for deletion. As shown in Figure 6-9.

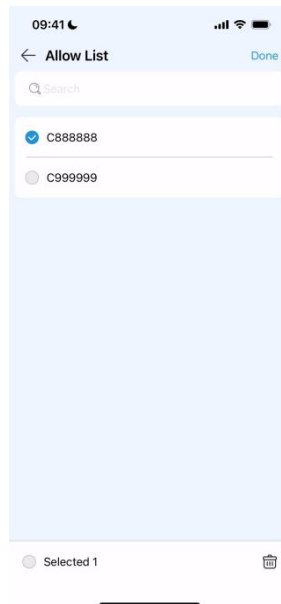


Figure 6-9 Delete License Plate

6.3 Cross Counting

Once the device is selected, you can access the cross counting page for easy access to inbound and outbound statistics charts. The page supports statistics for multiple targets, covering categories such as motion detection, pedestrian, vehicle and non-motorized vehicles. Charts can be generated on demand to provide an overview of the data in different time dimensions, such as daily, week, monthly, and year. This is shown in Figure 6-10.

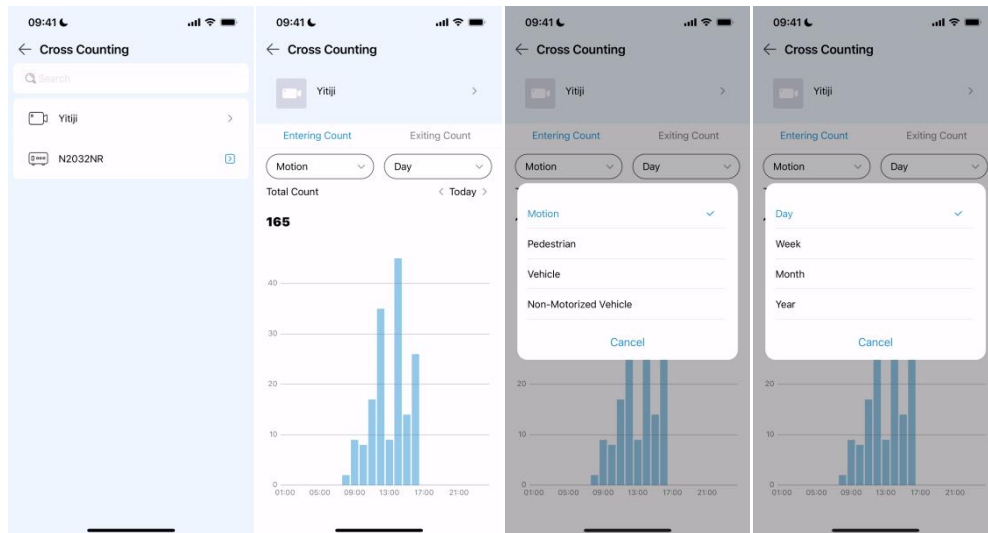


Figure 6-10 Cross Counting

6.4 Heat Map

After selecting a device, you can directly enter the heat map page to conveniently browse the heat statistics chart. The page supports both spatial and temporal heat analysis modes. The statistical chart can flexibly generate data overviews in multiple time dimensions, such as day, week, month, year, etc., as shown in Figure 6-11.

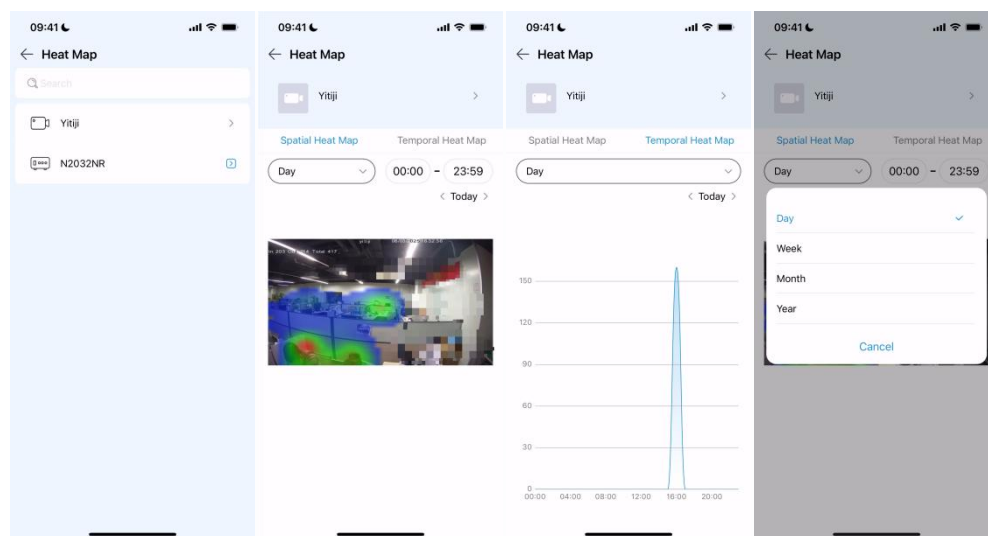



Figure 6-11 Heat Map

6.5 Linkage Rule

Linkage Rule configuration covers convenient one-key disarming and one-key arming functions, while supporting manually triggered alarms and intelligent automatic alarm mechanisms.

6.5.1 One-Click Disarm

Click "Disarm" to enter the disarm setting page. Check the box of the device, click the device to enter the setting of disarm action and schedule, click Save. The device one-key disarm setting is successful, click "Disarm" button on Home page or "  " on Disarm page to execute one-key disarm action. As shown in Figure 6-12.

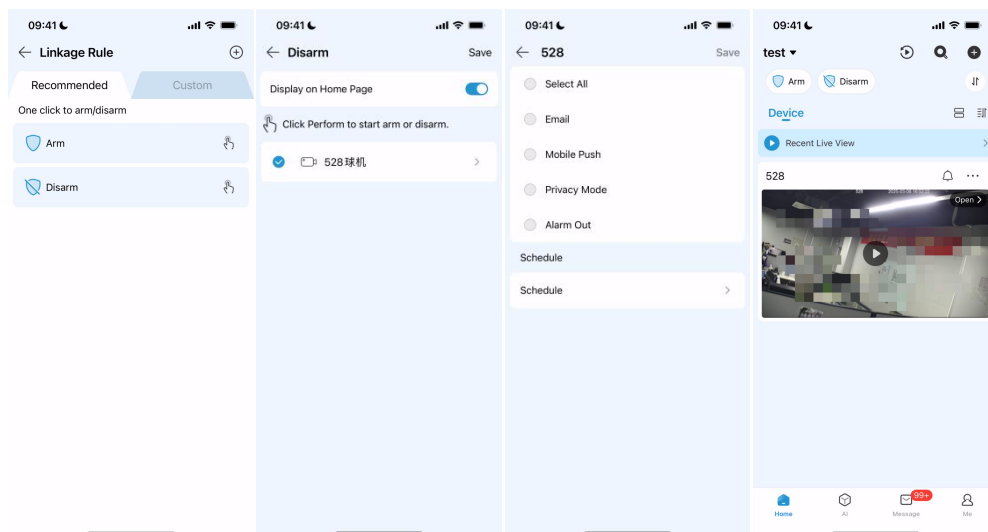



Figure 6-12 One-Click Disarm

6.5.2 One-Click Arming

Click "Arm" to enter the Arming Settings page. Check the device and click Save. The device one-key disarm setting is successful, click "Arm" button on Home page or "  " on Arming page to execute one-key arming action. As shown in Figure 6-13.

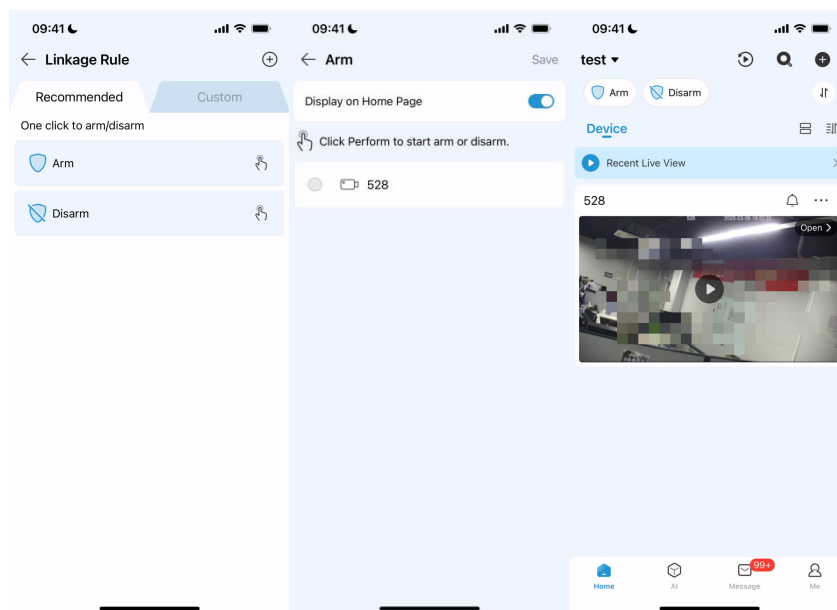




Figure 6-13 One-Click Arming

6.5.3 Manual Alarm

Click the "  " button on the linkage rule page to jump to the condition setting page. Select "Manual Trigger" option, then enter the scene configuration interface. In this interface, set the scene name, select the icon, specify whether to display on the home page, and add the linkage action (support siren, white light, warning light and I/O). After completing the above configuration, click "Save", the

manual alarm scene is set.

Click the "A" button on the Home page or the "  " button on the Custom page to perform a manual alarm operation. Swipe left to perform scene deletion. As shown in Figure 6-14.

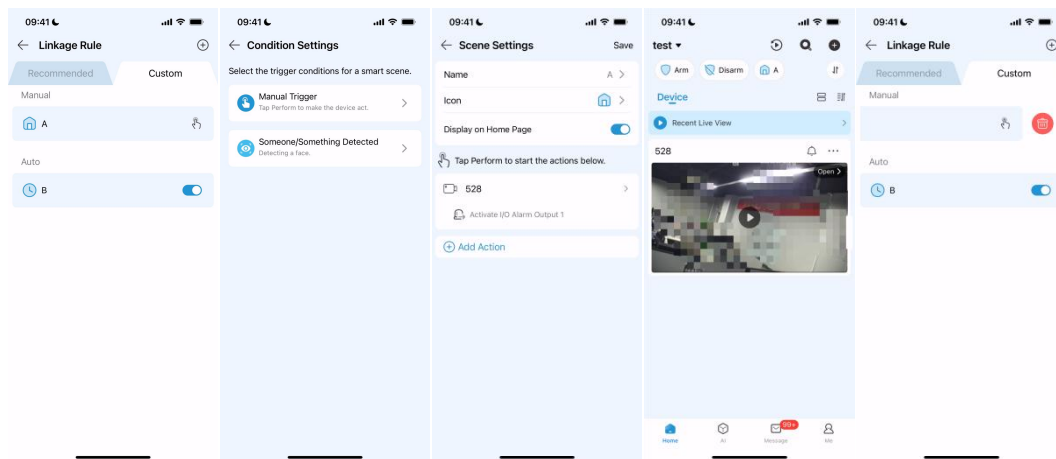



Figure 6-14 Manual Alarm

6.5.4 Automatic Alarm

Click the "  " button on the Linkage Rules page to jump to the Condition Setting page. Select the option of "Someone/Something Detected", and then enter the scene configuration interface. In this interface, set the scene name, select the icon, select the trigger conditions and add the linkage actions (siren, white light, warning light and I/O). After completing the above configuration, click "Save", the automatic alarm scene is set.

When the device meets the triggering conditions, it will automatically link the preset actions to start the alarm mechanism, and it supports to close the function

manually. Click the rule and slide to the left to perform scene deletion. As shown in Figure 6-15.

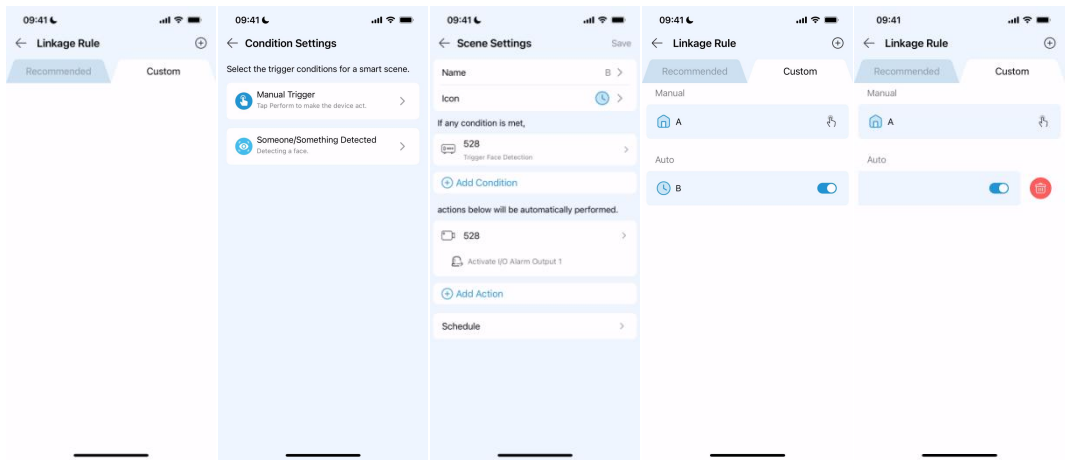


Figure 6-15 Automatic Alarm

7. Messages

The Messages page is used to store the device's alert messages and system messages. As shown in Figure 7-1.



图 7-1 Messages

7.1 Alert

Alert messages are displayed in two forms: picture and no picture. Click on an alert message with a picture to expand the picture. As shown in Figure 7-2. Click the Preview button below the message to directly enter the preview page of the corresponding channel; click the Playback button below the message to directly enter the playback page of the corresponding channel. After the message is clicked, the status changes to read and the red dot mark disappears.

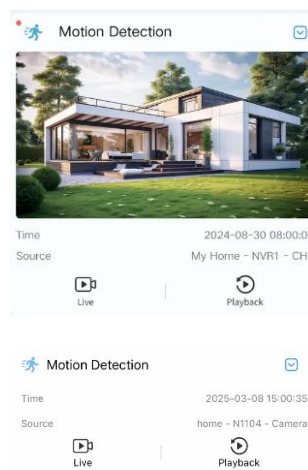


Figure 7-2 Alert Messages

7.1.1 Messages Filter

Alarm notification can be filtered by date, device, and alarm type. As shown in Figure 7-3. (Note: Messages are stored in the Message page for a validity period of 7 days)

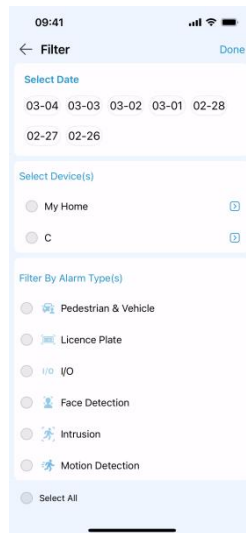


Figure 7-2 Message Filter

7.2 System messages

The system messages are group sharing and device sharing messages. Click the message to group and device share. As shown in Figure 7-4.

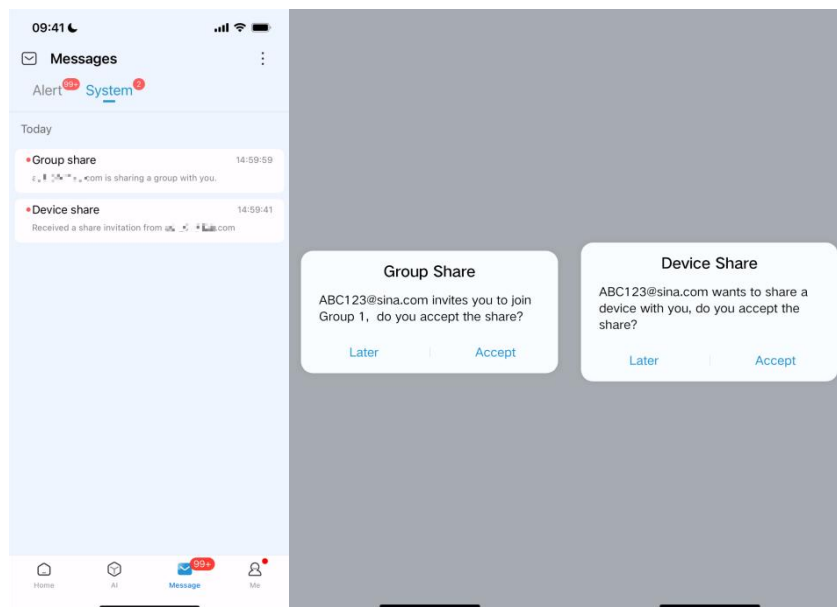


Figure 7-4 System Messages

7.3 Mark Read and Deleted Messages

Swipe left on a message to mark it as read and delete a single message. Click on "Mark all as read", you can mark all messages in the message list as read, click "Delete all" to delete all messages. Click "Edit" to mark read and delete messages in batch. As shown in Figure 7-5.

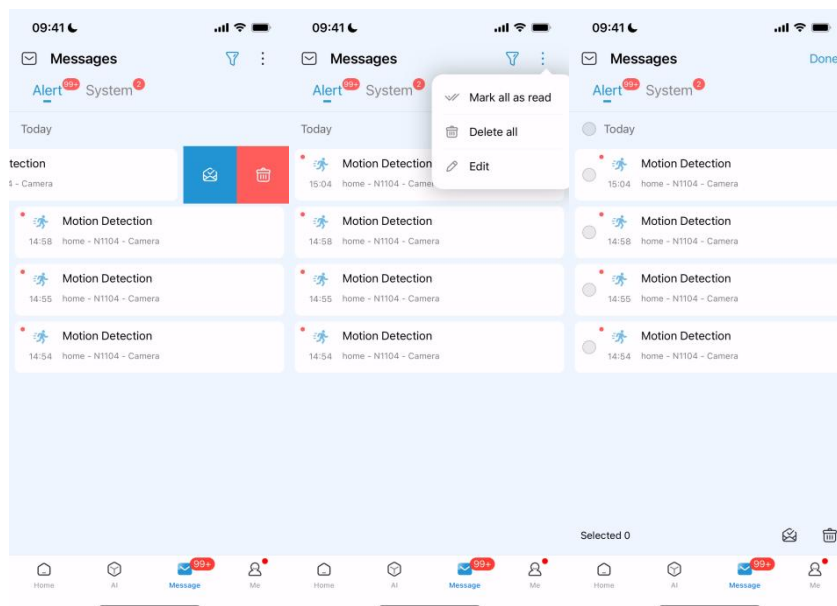


Figure 7-5 Mark Read and Deleted Messages

8. Me (Personal Center)

The Me page contains account settings, albums, share, about and feedback functions. As shown in Figure 8-1.

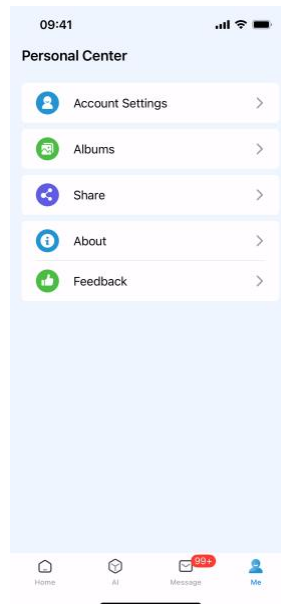


Figure 8-1 Me (Personal Center)

8.1 Account Settings

The Account Settings page contains the functions of setting a nickname, deleting an account, changing a password, enabling/disabling biometric recognition, two-factor authentication, and logging out. As shown in Figure 8-2.

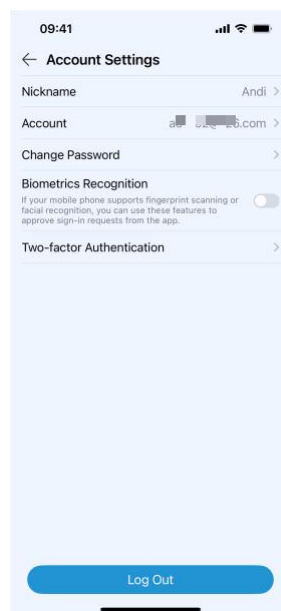


Figure 8-2 Account Settings

8.1.1 Change Nickname

Users have the authority to customize nicknames, and the specific operation flow is shown in Figure 8-3 with the following steps:

Step 1: Enter the Account Settings page and click Nickname to enter the Nickname Settings page.

Step 2: Enter the nickname information, click save, the nickname can be set successfully.

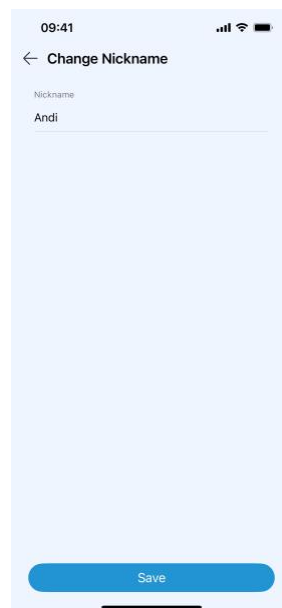


Figure 8-3 Change Nickname

8.1.2 Delete Account

The specific operation flow of deleting an account is shown in Figure 8-4 with the following steps:

Step 1: Enter the Account Settings page, click on the account name to enter the

Delete Account page, and click the "Delete Account" button.

Step 2: Click "Send Code".

Step 3: Enter the correct verification code and click "Continue", the account is deleted successfully. (Note: Before deleting the account, you need to delete the cloud device connected under the account first)

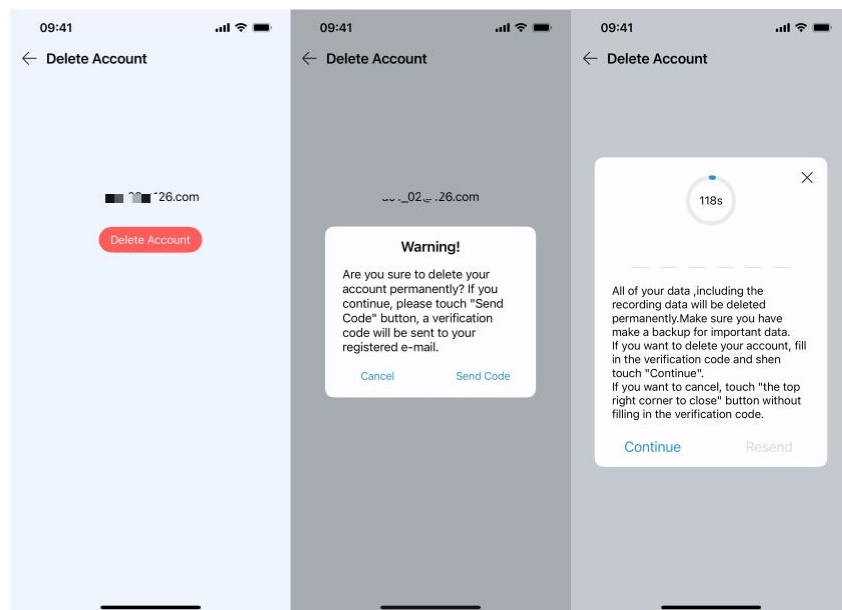


Figure 8-4 Delete Account

8.1.3 Change Password

The specific operation flow for changing the password is shown in Figure 8-5 with the following steps:

Step 1: Enter the Account Settings page and click Change Password to enter the Change Password page.

Step 2: Enter the original password of the device, set a new password and confirm it, click Save, the password change is successful.

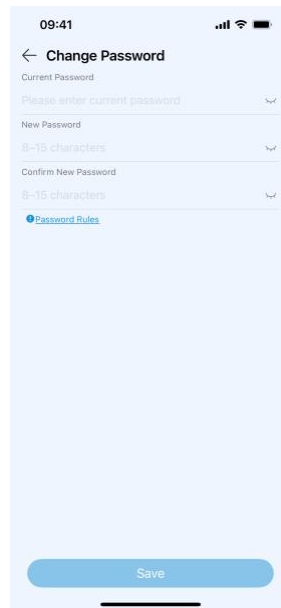


Figure 8-5 Change Password

8.1.4 Biometric Recognition

After enabling the biometric recognition, when the APP process ends and reopens, the system will ask the user to log in through biometric verification (face recognition and fingerprint recognition are supported). As shown in Figure 8-6.

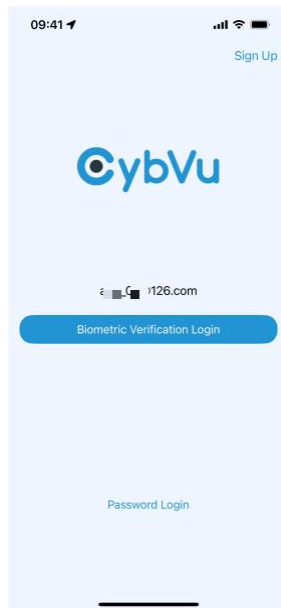


Figure 8-6 Biometric Recognition

8.1.5 Two-Factor Authentication

After enabling the two-factor authentication, if your account tries to log in on an unauthorized device, after the user enters the password and clicks the log in button, the system will additionally ask for a verification code as a second layer of security verification to ensure the account is securely logged in. As shown in Figure 8-7.

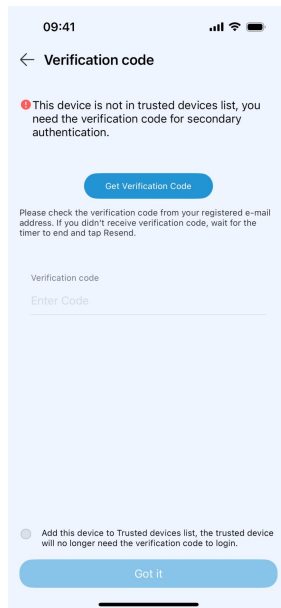


Figure 8-7 Two-Factor Authentication

When your account is logged in on more than one mobile device, the system automatically records information about those devices. By clicking the "Remove" button after the "Untrusted Device" name, you can force the login session on that device to go offline. This is shown in Figure 8-8.

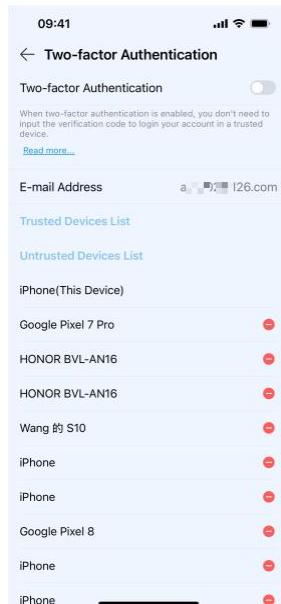


Figure 8-8 Forced Offline

8.1.6 Log Out

On the account settings page, click the "Log Out" button to securely log out of your current login status.

8.2 Albums

Album is used to store the screenshot and video data of the device, including image view, video play, download, share, delete and view arrangement functions.

As shown in Figure 8-9.

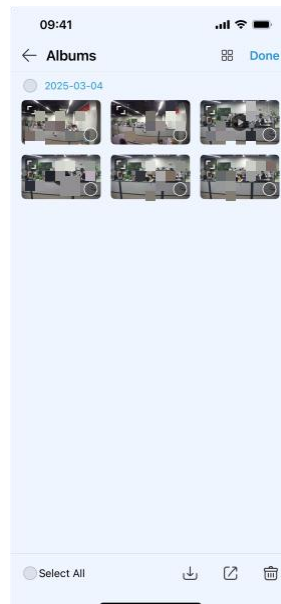



Figure 8-9 Albums

8.3 Share

There are two ways to share on the Share page: Share the Group and Share the Device. When you receive a device share, there are red dots after Share, Share the Group, Share the Device, and above the My icon . As shown in Figure 8-10.

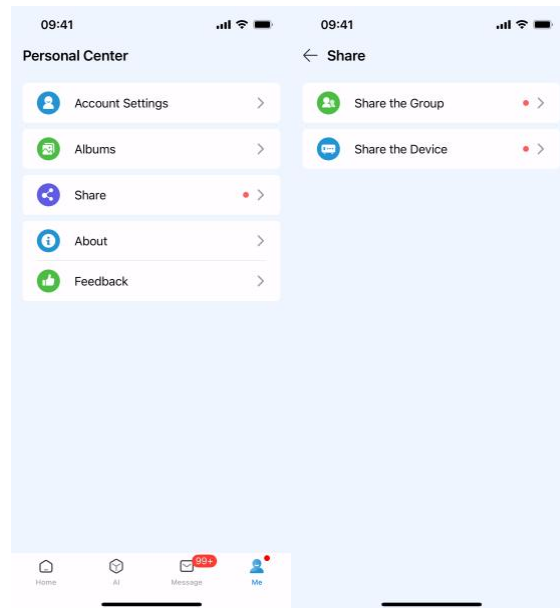


Figure 8-10 Share


8.3.1 Share the Group

The specific process of group sharing is shown in Figure 8-11 with the following steps:

Step 1: Click Share the Group to enter the group management page.

Step 2: Select any group (except shared group) and click Enter.

Step 3: Click Group Members to enter the Manage Members page.

Step 4: Click the  button to enter the Add Member page. Enter the email address of the shared account and click send to complete the sharing.

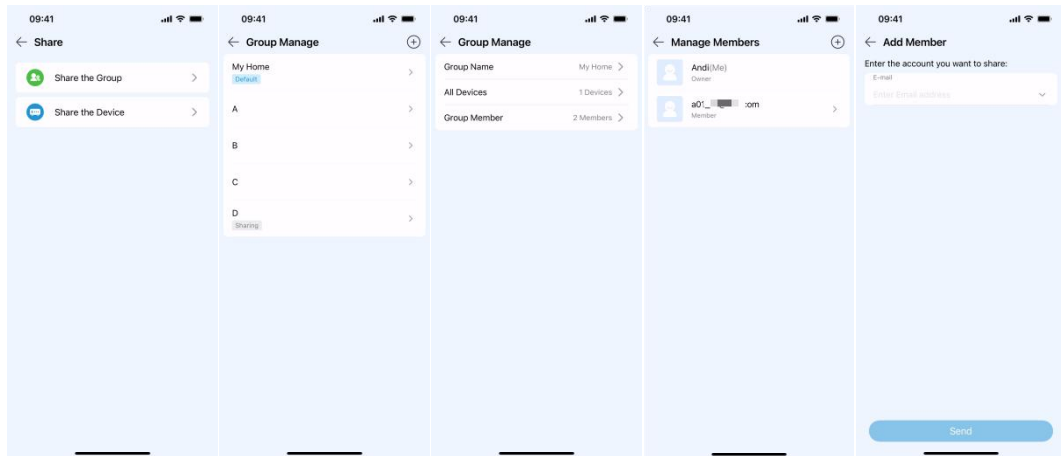


Figure 8-11 Share the Group

When the group sharing is complete, you can check the status on the Manage Members page. As shown in Figure 8-12.

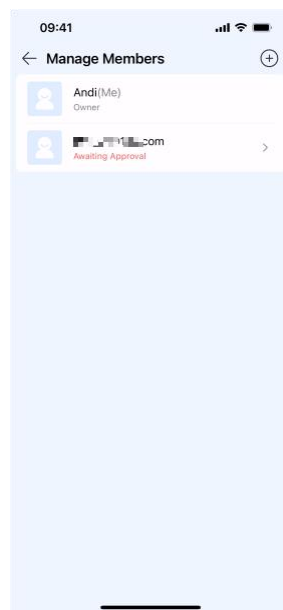


Figure 8-12 Viewing Manage Members

If you do not accept the invitation, you can click Manage Members to enter the Member Information page to cancel the invitation. As shown in Figure 8-13.

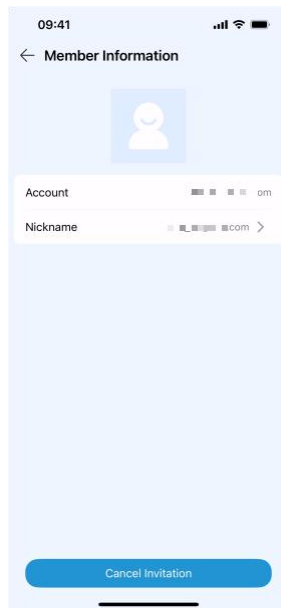


Figure 8-13 Cancel Invitation

You can accept or reject group sharing on the Group Manage page, and the grouping that accepts sharing has the Sharing logo, as shown in Figure 8-14.

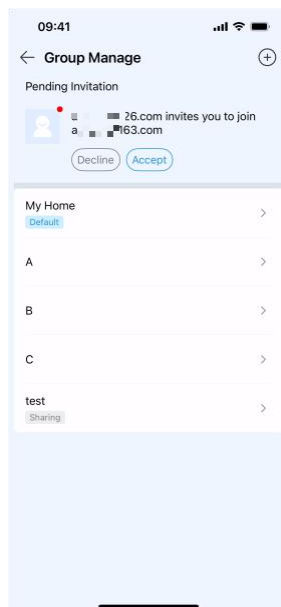


Figure 8-14 Group Invitation

Click the shared group to enter, click "Exit Group", you can leave the group. As shown in Figure 8-15.

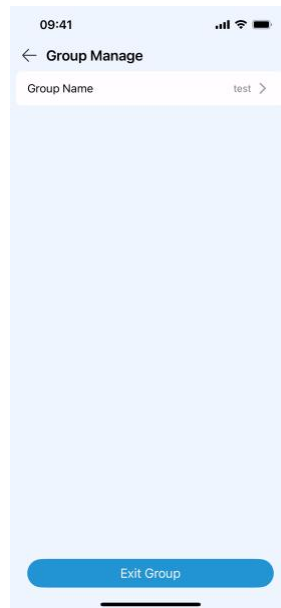


Figure 8-15 Exit Group

8.3.2 Sharing Management

The Sharing Management page allows you to view shared device and accepted device. As shown in Figure 8-16.

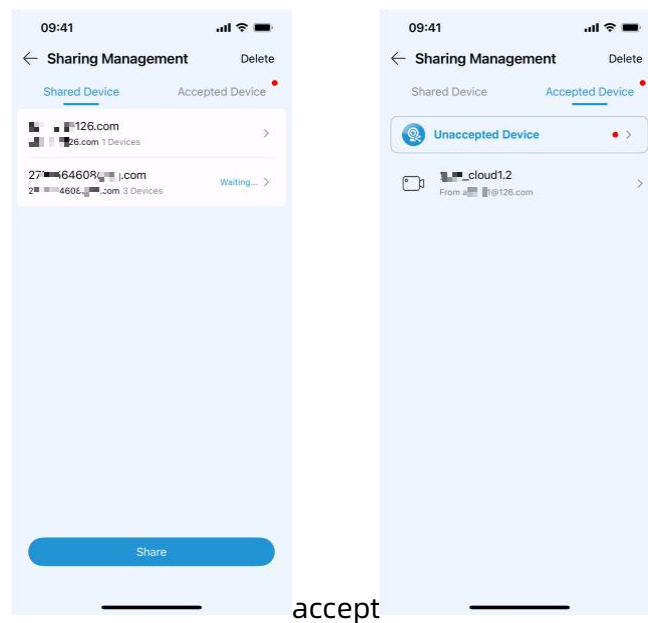


Figure 8-16 Shared Device - 1

The specific process of device sharing is shown in Figure 8-17 with the following steps:

Step 1: Visit the Sharing Management page, select the shared device and click the "Share" button.

Step 2: Check the target device and click "Next" to proceed to the next step.

Step 3: Enter the e-mail address of the receiving device, confirm that it is correct and click Send, the device sharing is complete.

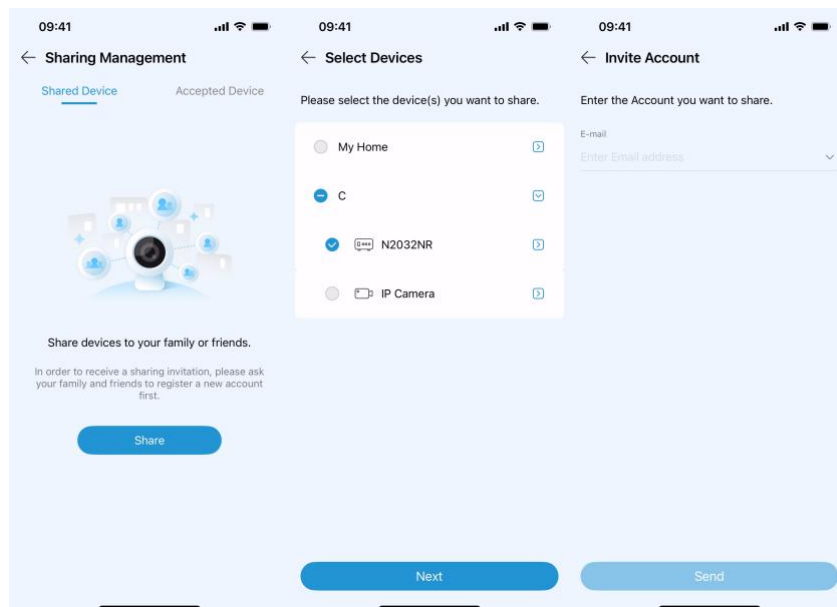


Figure 8-17 Shared Device - 2

Click the accepted device account to enter the user information page, check the device to delete and modify the permission operation. As shown in Figure 8-18.

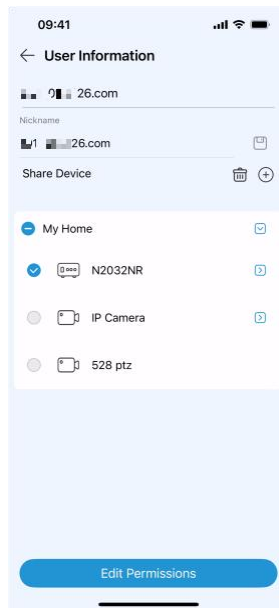


Figure 8-18 Modify Permissions

You can accept or reject device sharing on the Unaccepted Device page, as shown in Figure 8-19.

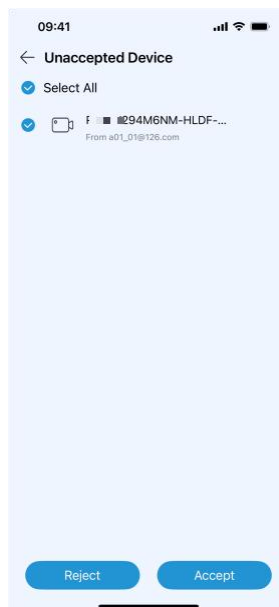


Figure 8-19 Accept/Reject Sharing

Device deletion can be performed by clicking on an accepted device. As shown in Figure 8-20.

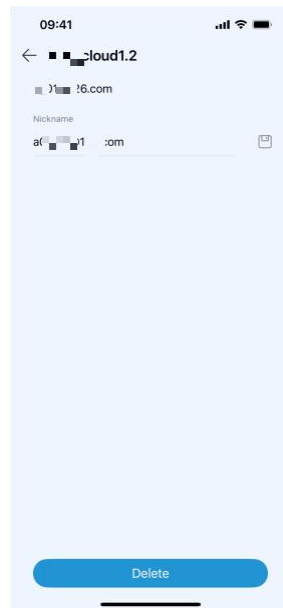


Figure 8-20 Device Delete

8.4 About

On the About page, you can find the version number of the application, terms of service and privacy policy details. Click the "Clear Cache" button to clear the cache data of the application. This is shown in Figure 8-21.

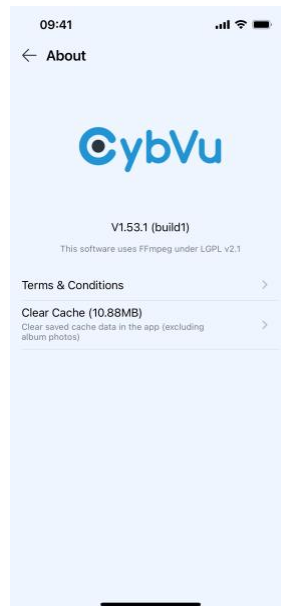


Figure 8-21 About

8.5 Feedback

Users can submit feedback, upload pictures, application and device logs to effectively assist in solving various problems encountered during APP use. As shown in Figure 8-22.

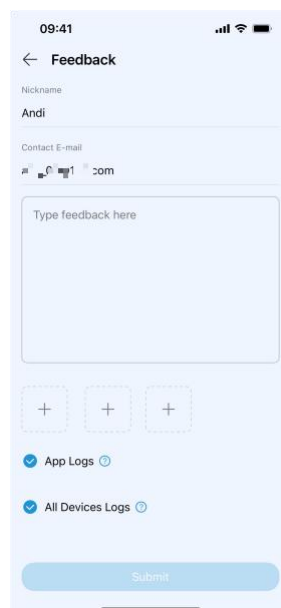


Figure 8-22 Feedback

9. Mode switching

9.1 Account Mode→ Visitor Mode

Click "Visitor Mode" on the login page, and then click "Later" in the prompt box to enter the visitor mode. As shown in Figure 9-1.

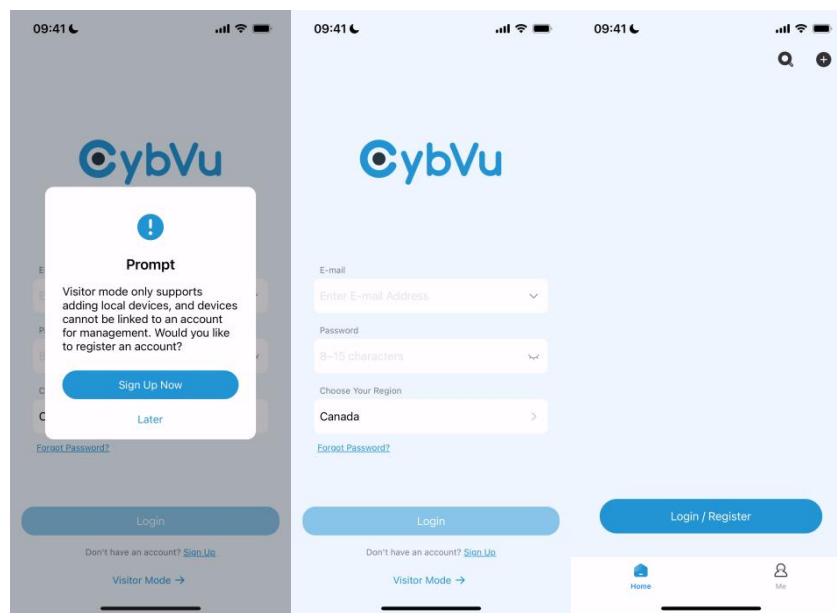


Figure 9-1 Account Mode→ Visitor Mode

9.2 Visitor Mode→ Account Mode

In My Page, click the "Exit Visitor Mode" button to enter account mode (login page).

As shown in Figure 9-2.

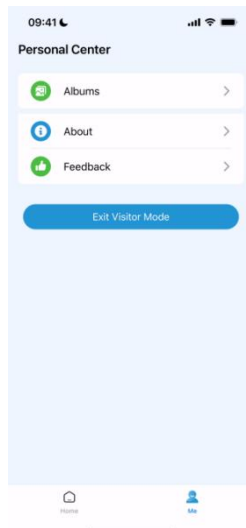


Figure 9-2 Visitor Mode→ Account Mode

10. Visitor Mode

10.1 Home

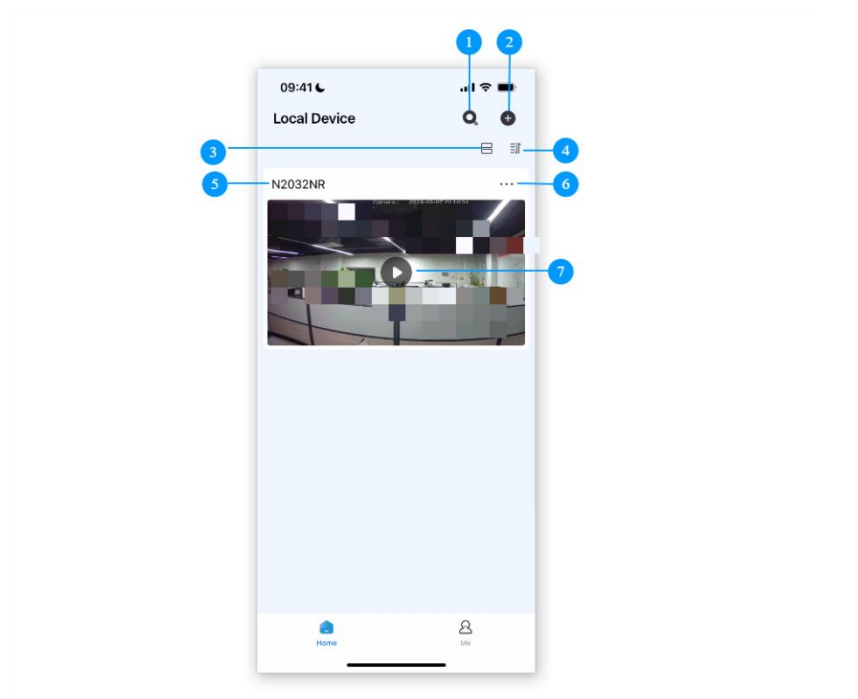








Figure 10-1 Home

(1)  : Device search function.

- (2)  : Tap to bring up the Scan QR Code and Share Device menus.
- (3)  : Toggles the device arrangement buttons.
- (4)  : Click to enter the device sorting page.
- (5) Display the device name.
- (6)  : Tap to call up the Device Settings, Edit Device, Push Settings, and Delete Device menus.
- (7)  : Click to enter the preview page.

10.1.1 Device Add

10.1.1.1 Scan QR Code to Add

Scan the device QR code to enter the device information editing page. Enter IP Address/ID, Port, User Name, Password information and click Save, the device can be added successfully. As shown in Figure 10-2.

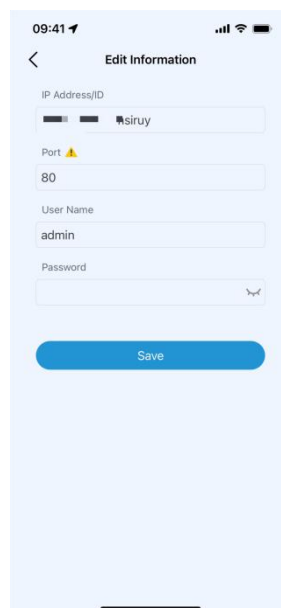


Figure 10-2 Scan QR Code to Add

10.1.1.2 Online Search

Scan the QR code page and click the "Online Search" button to enter the online device page, click the device to enter the Edit Device Information page, enter the device information and click Save to add. As shown in Figure 10-3.

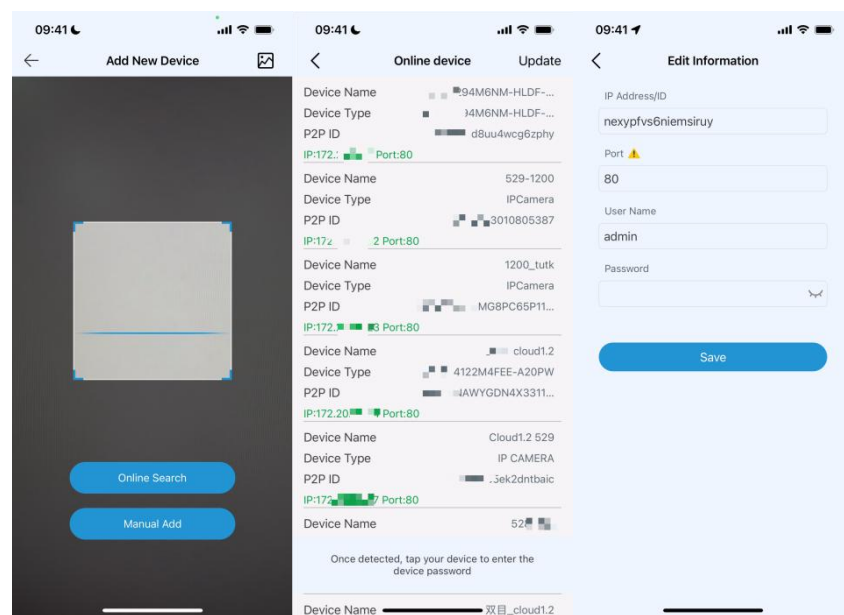


Figure 10-3 Online Search

10.1.1.3 Manual Add

Scan the QR code page and click the "Manual Add" button to enter the page of editing device information, enter the device information and click save to add.

10.1.2 Device Settings

Click Device Settings to enter the Remote Settings page for Channel, Record, Event, AI, Network, Device, and System functions. As shown in Figure 10-4.

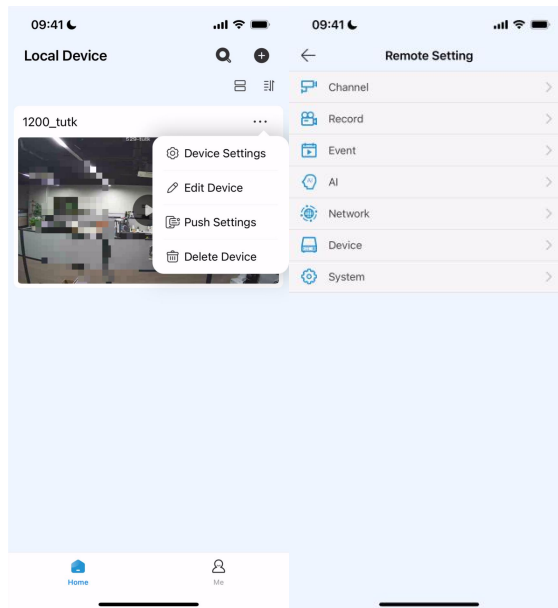


Figure 10-4 Device Settings

10.1.3 Edit Device

Click Edit Device to enter the Edit Information page, where you can modify the IP Address/ID, Port, User Name, and Password information of the device. As shown in Figure 10-5.

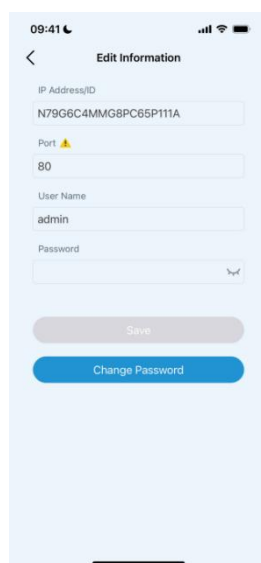


Figure 10-5 Edit Device

10.1.4 Push Settings

Click Push Settings to enter the Push Settings page, where you can set the Push Switch, Push Type, and Push Interval. As shown in Figure 10-6.

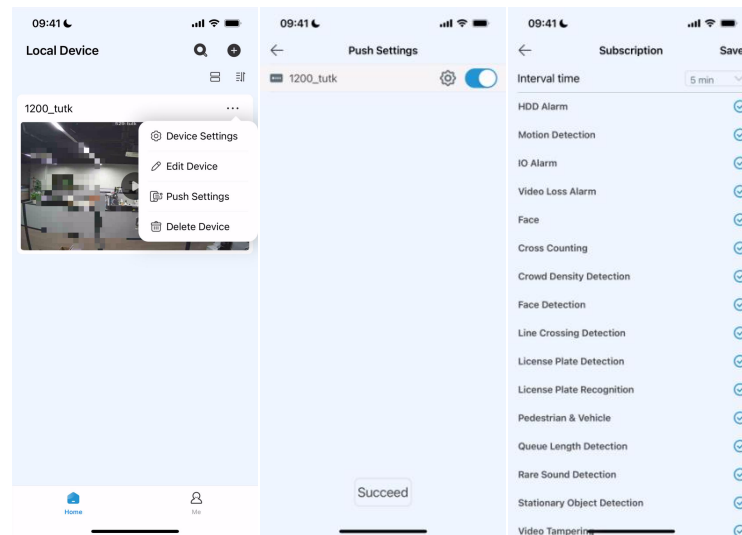


Figure 10-6 Push Settings

10.1.5 Delete Device

Click Delete Device and click Confirm in the prompt box to remove the device from the home page. As shown in Figure 10-7.

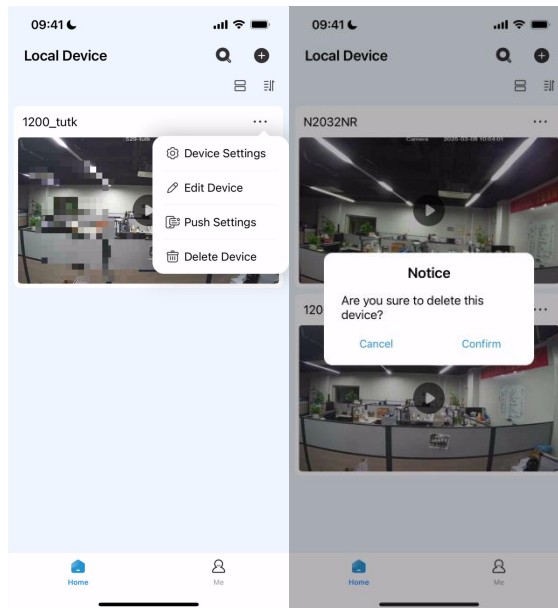


Figure 10-7 Delete Device

10.1.6 Share Device

Click Share Device to enter the Select Devices page. Select the device and click Next, enter the 8-digit password and click OK to export the device file to social software or email. As shown in Figure 10-8.

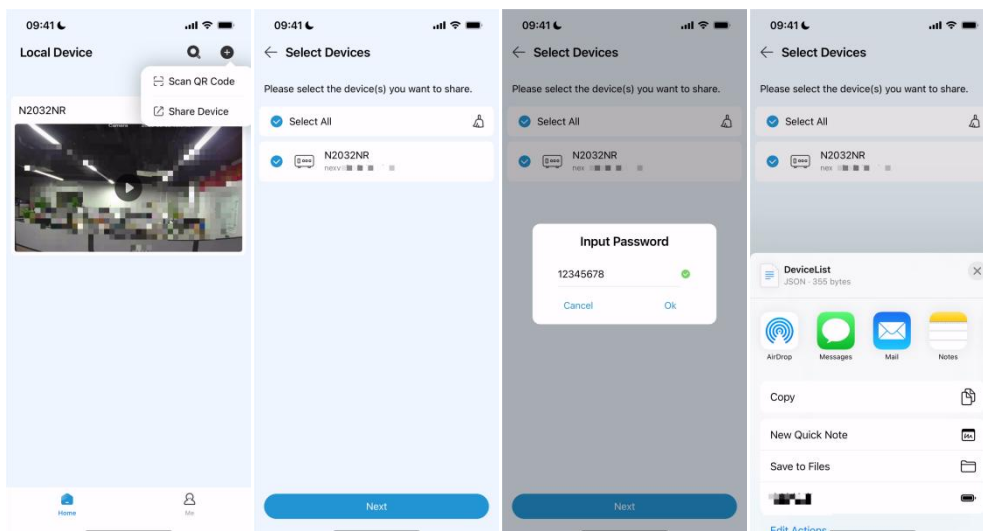


Figure 10-8 Share Device

10.1.7 Import Devices

Click on the device json file, select Open via CybVu app, enter the password, and click ok to import the device. As shown in Figure 10-9.

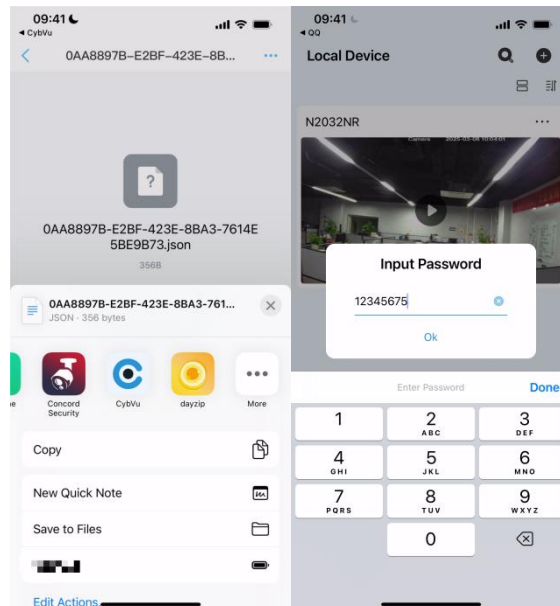


Figure 10-9 Import Devices

10.2 Preview

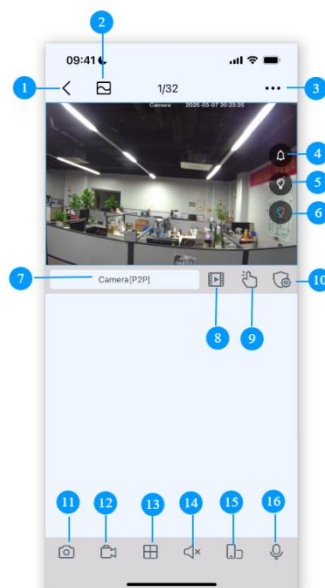

















Figure 10-10 Preview

- (1)  : Click to return to the Home page.
- (2)  : Channel sharpness can be switched.
- (3)  : Call up the Remote Setup and Scale Switching menus.
- (4)  : Click to turn on the siren.
- (5)  : Click to turn on the white light.
- (6)  : Click to turn on the red and blue lights.
- (7) Display the channel name.
- (8)  : Click to enter the playback page.
- (9)  : Click to enter the Manual Alarm Setup page.
- (10)  : Click to enter the Disarm Settings page.
- (11)  : Manual screenshot.
- (12)  : Manual video record.
- (13)  : Split screen switching. Six types of split screen: single split screen, four split screen, six split screen, eight split screen, nine split screen, sixteen split screen.
- (14)  : Audio Settings Switch.
- (15)  : Screen rotation switching.
- (16)  : Intercom button.

10.3 Playback

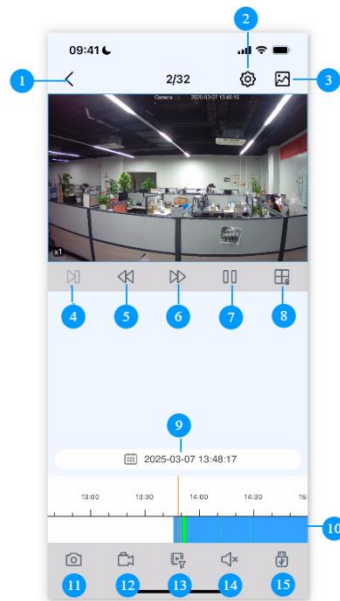



Figure 10-11 Playback

- (1) < : Click to return to the Home page.
- (2) ⚙️ : Synchronized playback setting switch.
- (3) 🖼️ : Click to enter the thumbnail page.
- (4) ⏮️ : Playback by frame.
- (5) ⏪ : Slow playback. Speed: 1/2, 1/4, 1/8, 1/16.
- (6) ⏩ : Fast playback. Speed: 1, 2, 4, 8, 16.
- (7) ⏸️ : Pause Play button.
- (8) 🗑️ : Close the channel preview.
- (9) Display the current time of the video recording, click to switch the date.
- (10) Video record strips.
- (11) 📷 : Manual screenshot.
- (12) 📹 : Manual video record.

(13)  : Click to open the video type filter menu.

(14)  : Audio Settings Switch.

(15)  : Data backup.

10.5 Me

The Me page combines albums, about and feedback functions.

10.5.1 Albums

Store manual screenshot and manual video record data of preview and playback pages, which can permutation, download, share and delete.

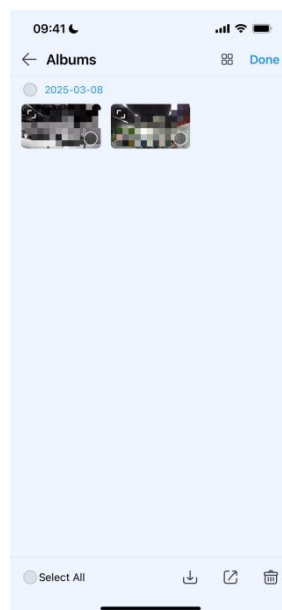


Figure 10-12 Albums

10.5.2 About

On the About page, you can find the version number of the application, terms

of service and privacy policy details. Click the "Clear Cache" button to clear the cached data of the application. This is shown in Figure 10-13.

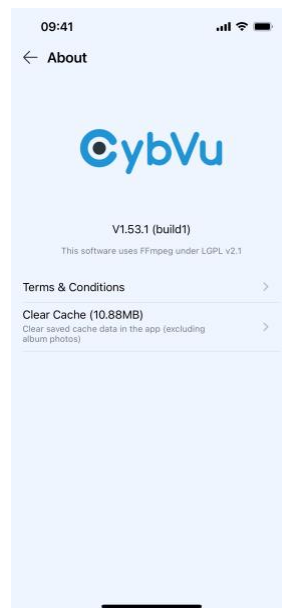


Figure 10-13 About

10.5.3 Feedback

Users can send device logs via e-mail to effectively assist in solving various problems encountered during APP use. As shown in Figure 10-14.

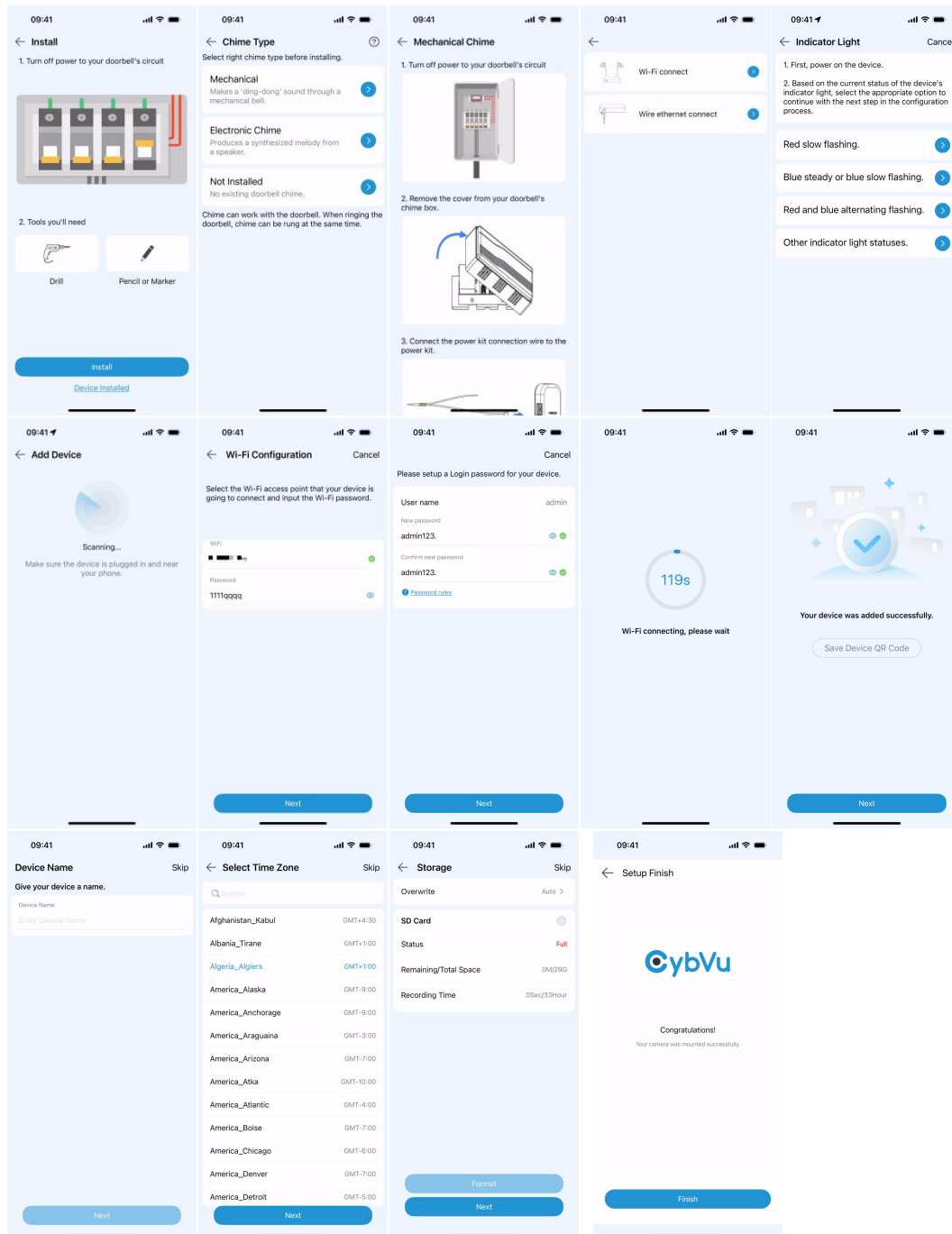
A screenshot of a mobile application's 'Feedback' page. At the top, the status bar shows the time 09:41 and signal strength. Below the status bar is a back arrow and the title 'Feedback'. The text 'Please provide as much detail as possible in order for our team to assist you.' is displayed. Below this text are several input fields: 'Select devices' with a right-pointing chevron, 'Full name', 'Email address', 'Phone number', 'Place of purchase', and a large text area with the prompt 'let us know about the problem you experiencing please provide as much detail as possible'. Below the text area is a 'Mobile carrier' field. At the bottom is a 'Send Email' button.

Figure 10-14 Feedback

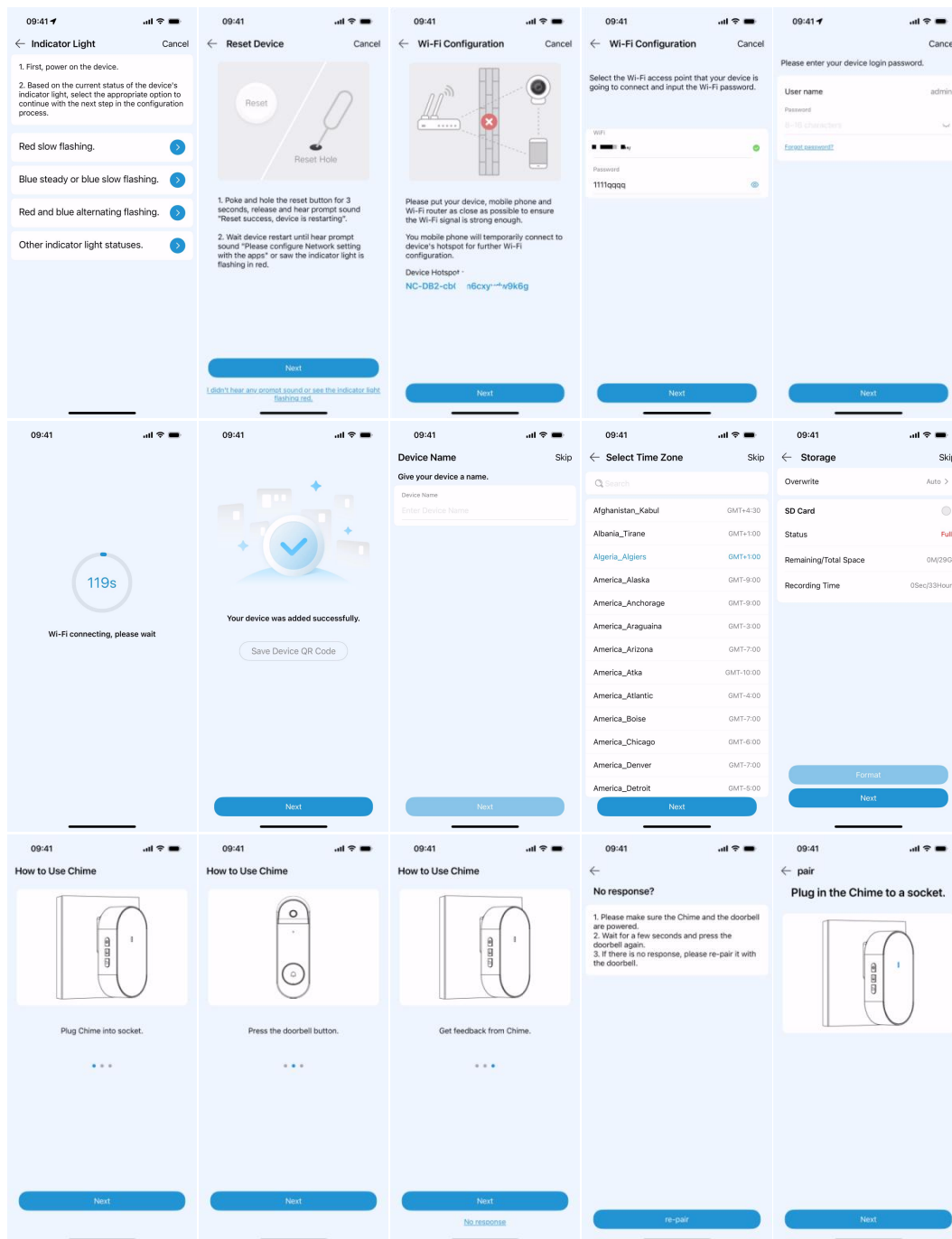
Appendix 1

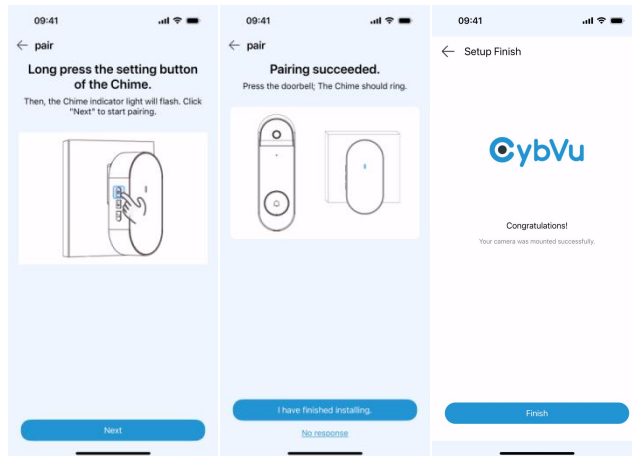
Doorbell Pairing Process

1. Not activated (Bluetooth distribution network - mechanical bell):



2. Activated (hotspot distribution network - electronic bell)





Appendix 2

Pairing process for WiFi singles (Pan Tilt Camera, Card Camera, Alert Tiny Tube Camera), using Card Camera as an example.

