OCTAVUE®

BY GSD GROUP

Securing Your World.

USER MANUAL

WIFI DOORBELL

Statement

Thank you for using our company network camera series, an all-in-one network video camera developed for network video surveillance, including IP box camera, bullet camera, dome camera, PTZ cameras, etc. A powerful SoC (System on a Chip) is used as the media processor to automate audio and video acquisition, compression, and transmission. The standard H.264/H.265 coding algorithm guarantees a clearer and smoother video transmission. The embedded web server allows users to easily and instantaneously monitor and remotely control IP camera from Internet Explorer.

This series of PoE doorbell are suitable for large and medium-sized enterprises, government projects, shopping malls, chain supermarkets, intelligent buildings, hotels, hospitals, schools and other customer groups, and all kinds of places where remote network video transmission and monitoring will be applied. This product is easy to install and user friendly.

Introduction:

- Click indicates a left mouse click.
- Double-click indicates double-clicking of the left mouse button.
- The default factory IP address of the PoE doorbell is 192.168.1.168.
- You must set the password as instructed when using the IP camera for the first time. You can login with admin (in lowercase) as username and set the password as described in Chapter 4.2 Login for the First Time.
- The Web port number is 80 and the ONVIF port number is synchronized with the Web port.

Remarks:

Some information contained in this manual may different from the actual product. For any problems that cannot be solved using this manual, please feel free to contact our technical support or authorized agent. This manual is subject to change without prior notice.

Content

Chapter 1 Overview

1.1 Scope of Application

Recommended for mounting at doorways or external courtyard gate locations.

1.2 Product Description

The PoE doorbell is a digital networked surveillance camera that can operate independently with a built-in WEB server, allowing users to monitor in real time from all over the world through web browsers or client software.
The PoE doorbell is based on the latest digital solutions, an integrated media processing platform for audio/video acquisition, compression and network transmission on a single board. It meets the H.264/H.265 High Profile coding criteria. Any remote user can perform real-time monitoring by entering the IP address or domain name of the PoE doorbell in the Web browser. The webcam solution is suitable for homes. The product is easy to install and easy to operate.
PoE doorbell can set multiple users, set different permissions, convenient management.
PoE doorbell has the functions of motion detection, Pedestrian detection, Package detection and Loitering detection. When an event occurs, it will actively send email, capture pictures or alarm video, and the alarm video information will be stored on the TF card of PoE doorbell to facilitate user's query.
The PoE doorbell indicator light has multiple states, as shown in below.
Door bell indicator light status:
Red light is always bright: Power on and startup.
Red light slow flashing: Network setup required (no cable/WiFi configured).
Blue light flashing: WIFI Connecting.
Blue light is always bright: Network setup complete. Device operational.
Red and blue light flashing:
A. Device bounded to cloud, whether wired or wireless connection, as long as the cloud server is not connected to the red and blue light will alternately flicker.
B. Network cable is not connected, WiFi information is configured, red and blue light will flicker alternately when WiFi is configured and cannot be used.
Blue breathing effect: Press the doorbell button.
Purple often bright: Upgrading.
Green rotation: Pairing (quickly press restore button three times).

1.3 Operating environment

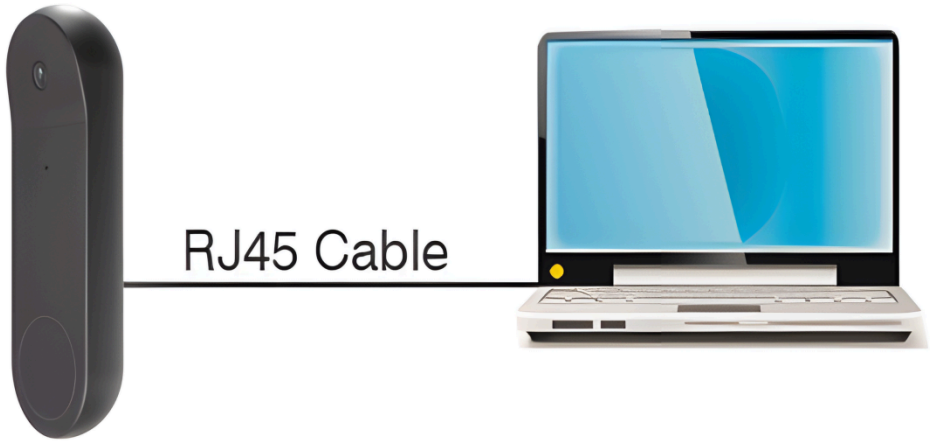
System: Windows XP / Windows 7 / Windows 8 / Windows 10 / Windows 11 / MacOS 10 or higher version
CPU: Intel i3 or higher
Memory: 2G or higher
Video memory: 1G or higher
Display: 1024*768 or higher resolution
Browser: IE 10 and higher, Chrome57 and higher, Firefox 52 and higher, Edge 41 and higher, Safari 12 and higher.

Chapter 2 Device Connection

Multiple ways to connect your PoE doorbell.

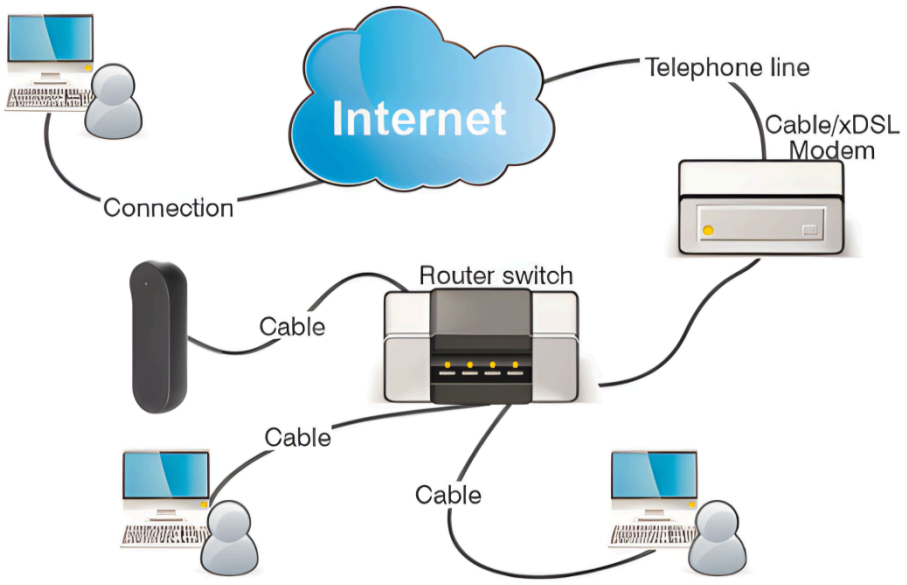
2.1 Connect to PC

Connect the PoE doorbell to the PC through a direct network cable, connect the power input to the DC 12V adapter, and then set the IP addresses of the PC and PoE doorbell in a network segment. If the network is properly, the PoE doorbell will communicate with the PC within one minute of startup.



2.2 Connect by router/switch

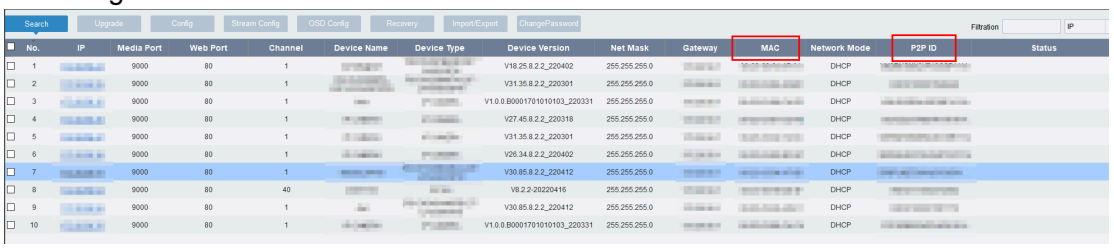
This is generally used to connect the PoE doorbell to the Internet where PoE doorbell and PC connect to the LAN port of the router / switch and the gateway of the PoE doorbell is set to the IP address of router.



Chapter 3 Set IP address of PoE doorbell using Device Config Tool

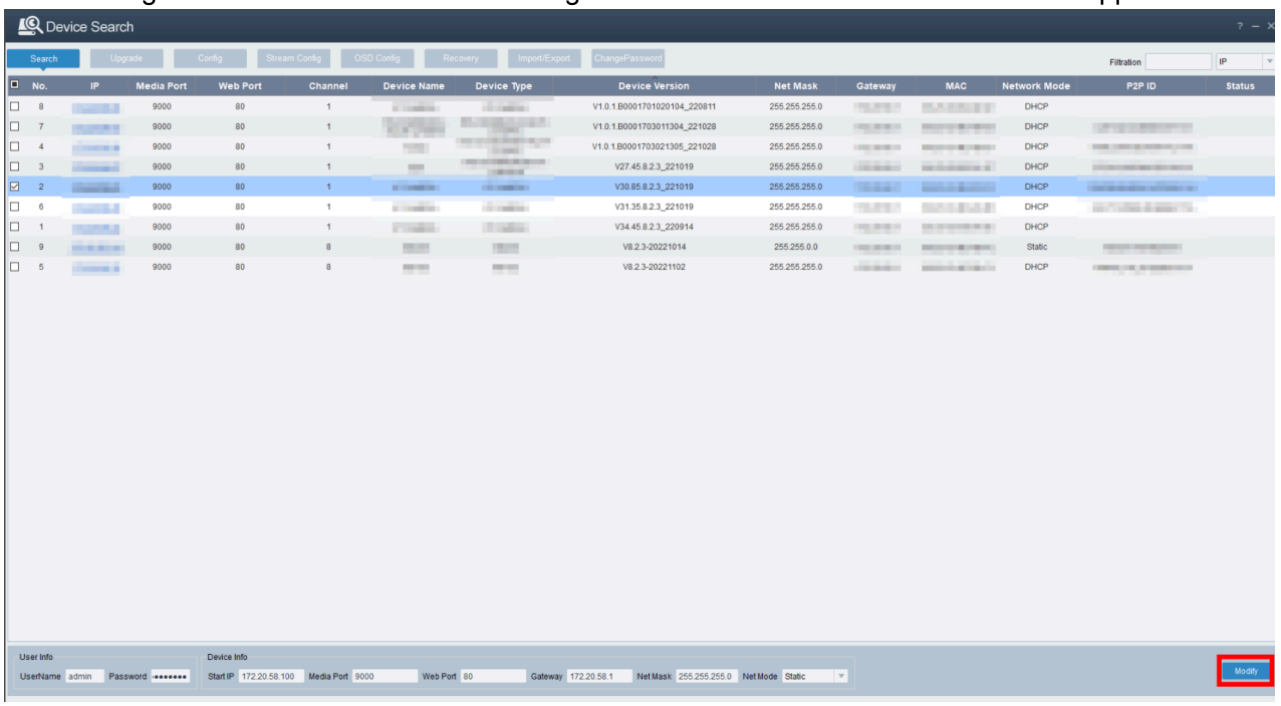
Step1:

Run Device Config Tool and click  **Search** to find LAN PoE doorbell as shown in below picture. According to the P2P or mac address locate the PoE doorbell.



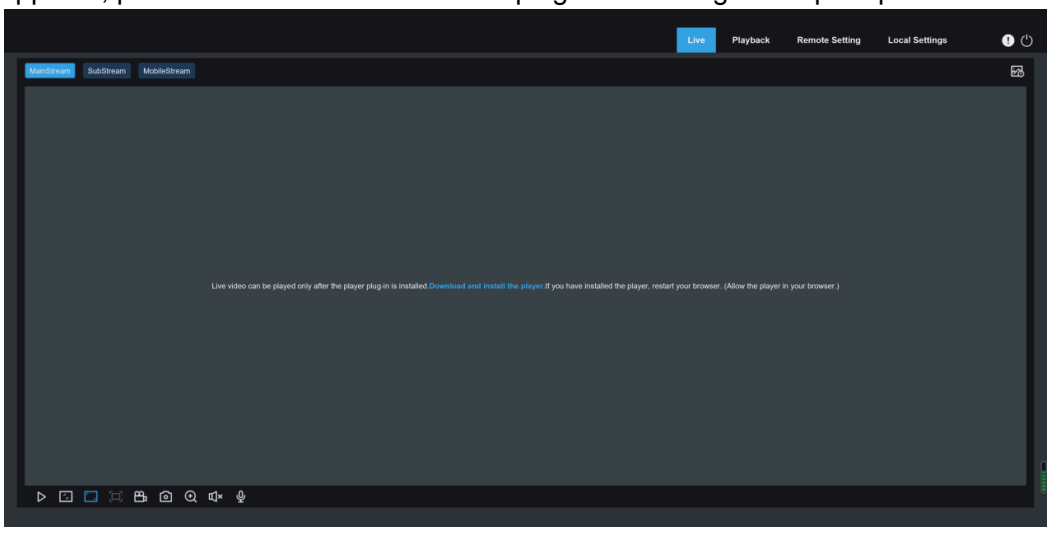
Note: The default IP of PoE doorbell is 192.168.1.168, the default account is admin and default password is admin.

Step 2:
Select the corresponding device, enter the account and password, edit the corresponding network information, and click Modify to save the modification.
Note: Change the Network Mode to DCHP to get the IP address if the current network supports DHCP.



Chapter 5 Plug-in installation

In IE browser, you need to install the plug-in to preview streaming normally. When the following picture appears, please download and install the plug-in according to the prompts.

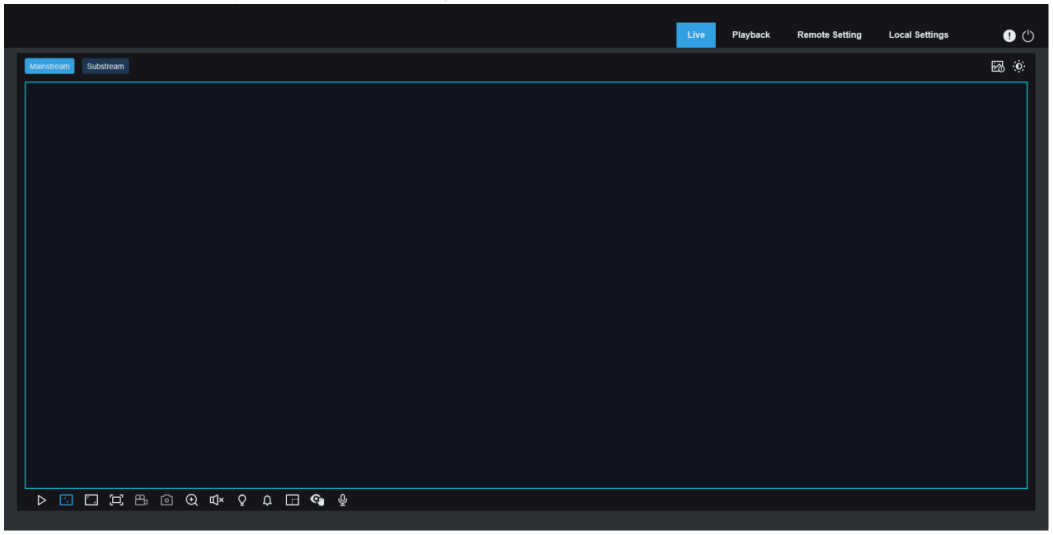


Note: Skip the plugin installation when you access the web client from Safari 12 and higher version, Chrome 57 and higher version, Firefox 52 and higher version, Edge 41 and other browsers, the installation steps of plug-in are ignored.

Chapter 6 Live View

6.1 Live View Menu

After successful login, the web terminal enters the login preview interface, which is shown in below picture.
Note: Features may differ depending on product models.



Stream switch menu: Switch the picture quality of the current live view at the upper left corner:
Main stream: HD picture, but higher requirements on bandwidth and PC performance.
Sub stream: Moderate requirements on bandwidth and PC performance, but lower picture quality when compared with main stream.
Mobile stream: Lowest requirements on bandwidth and PC performance, and lowest picture quality.
Main switch bar: Switches web function screens. The web client provides four menus: Live, Playback, Remote Setting, Local Settings.

Info: Display the information about the active user, web version and plugin version.

AI alarm: Open the alarm push bar on the right and push images during face detection and human & vehicle detection.

Color: Adjust current image settings, such as image saturation and sharpness.

Exit: Log out.

Recording & alarm status: Display the alarm and recording status of the PoE doorbell camera. For details, check Chapter 6.2 Recording Status.

Stop/Play: Play and stop the preview of the current stream.

Original Proportions: Display the current live view in its original proportion.

Stretch: Display the current live view in a way that stretches the display area.

Full Screen: Display the live view in full screen. You can double-click the screen to enable or disable the function, and press **Esc** to exit the full screen mode.

Record: Manually record the stream in preview.

Capture: Manually capture the image of the current stream.

 **Digital Zoom:** Zoom in a certain area of the display.

 **Audio:** Enable /disable or adjust the audio in preview.

 **Light:** Manually turn on/off the white light.

 **Siren:** Manually turn on/off the siren.

 **Pixel Counter:** Select an area to check its pixel size in the stream.

 **Add Tag:** Add a label, click to add a label.

 **Privacy Mode:** Manually open / close the privacy mode (note: the screen turns black and the preview displays Privacy Mode).

 **Voice Intercom:** Communicate with PoE doorbell camera.

Tab information: When the partial alarm is triggered, the lower right corner will prompt the current alarm.

6.2 Recording Status

The following icons indicate the current alarm status and recording status of a PoE doorbell on the web interface. Multiple alarms can coexist simultaneously:

The SD card is functioning properly, but no recording is in progress.

R: The PoE doorbell is in normal recording.

H: The SD card is in an abnormal state (e.g.damaged, improperly inserted or full).Verify and troubleshoot the SD card.

M: Motion triggered alarm is activated, but motion recording is disabled.

M: Motion triggered alarm is activated, and motion-based recording is enabled.

S: AI-triggered alarm (e.g., Pedestrian detection, Loitering detection, or Package detection) is active, but AI alarm recording is disabled.

Note:

AI alarms encompass advanced detection types such as Pedestrian detection, Loitering detection and Package detection.

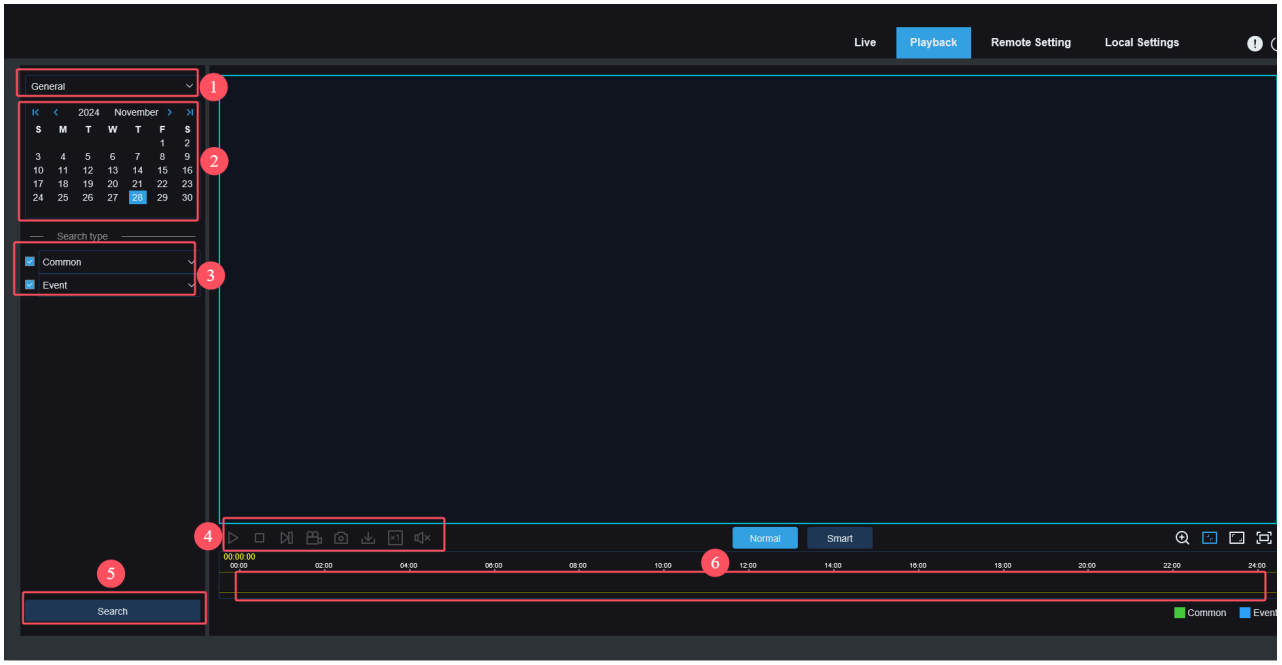
S: AI triggered alarm is active and AI alarm recording is enabled.

Chapter 7 Playback

The PoE doorbell is not only need to be able to show us images in real time, but also save the image information so that we can call it up when needed.

7.1 General Playback

The playback function mainly includes general video search and AI search, as shown in the below picture.



1. Switch search mode: Switch search functions, as shown in the figure above. General is selected by default to search for general recording files. You can switch to AI image search by referring to the following part in this chapter.

2. Date: Set the date to search for recording files, click Search, you will be prompted with the dates with available recording files.

3. Search type: Display the search types supported by the camera. You can search for only part of recording files as required.

4. Playback process bar: Display and search for recording files stored in the memory card according to search settings.

Pause/Play: Pause/Play streams.

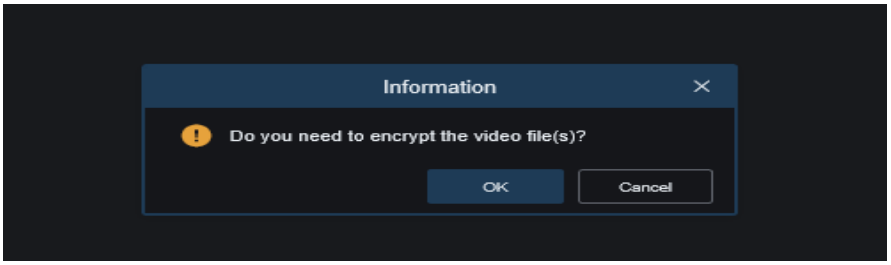
Stop: Stop the playback code stream.

Forward by One Frame: Play a frame of the image for every click.

Record: Manually record the stream in preview.

Capture: Manually capture the image of the current stream.

Download: Download the searched recording file. (**Note:** When downloading RF format records, a Pop-up window will ask if encryption is required.AVI and MP4 formats will not have a pop-up window).



 **Speed:** Supports playing at a speed of 1/8, 1/4, 1/2, 1, x2, x4, x8, x16.

 **Audio:** Open/close or adjust stream sound.

 **Playback progress bar:** The time bar on the bottom displays the current playback progress bar and playback progress in different colors based on the search results.

 **Digital Zoom:** Zoom in a certain area of the stream.

 **Original Proportions:** Display the current live view in its original proportion.

 **Stretch:** Display the current live view in a way that stretches the display area.

 **Full Screen:** Display the playback stream in full screen. You can double-click the screen to enable or disable the function, and press **Esc** to exit the full screen mode.

Zooming in/out playback progress bar: By default, the progress bar displays the progress within 24 hours. By zooming in and out the progress bar, you can jump to the corresponding playback position more accurately.You can also use the mouse wheel to zoom in/out the progress bar.

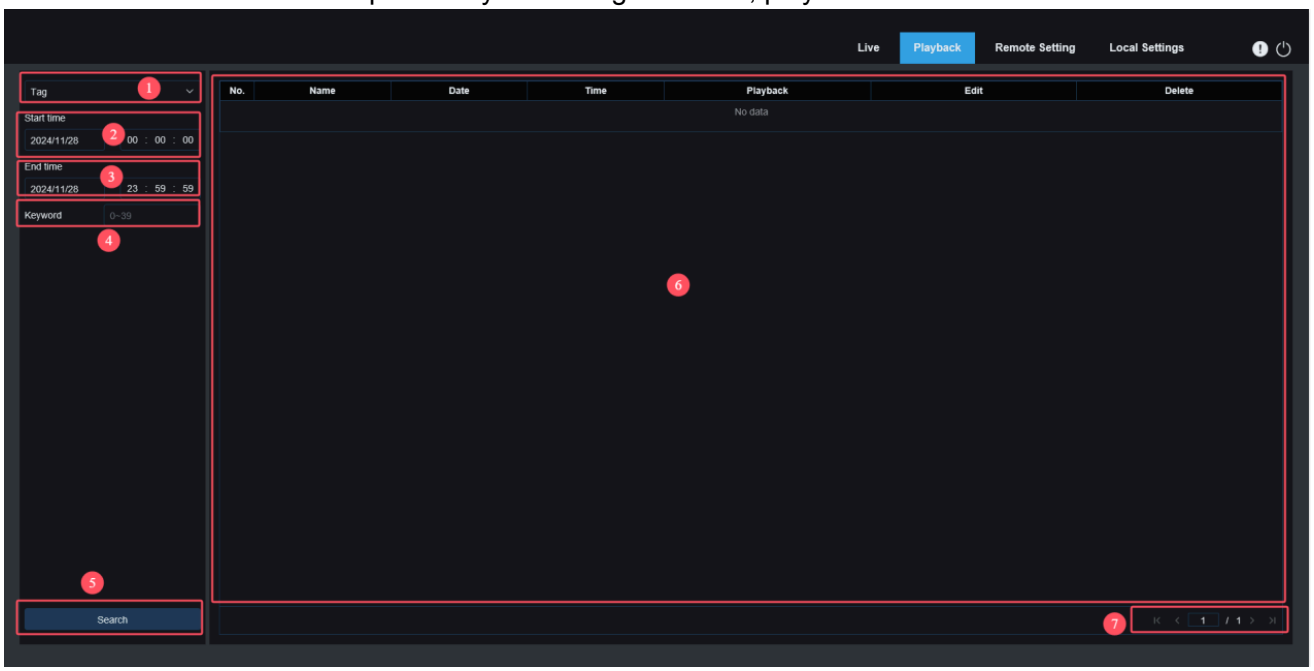
5. Search: display the video search in the SD card according to the search setting.

6. Playback progress bar: The time bar at the bottom displays the progress bar of the current playback in different colors according to the search results. The mouse pulley can adjust the accuracy of the playback time, so that the user can find the video location at a certain point in time more quickly.

7. Normal/Smart search: Switch between **Normal** or **Smart** playback search. After selecting **Smart** search, click the human type button in the lower left corner, and the video progress bar will mark the alarm video triggering the Pedestrian detection in blue. Human trigger includes: Trigger human detection by Pedestrian detection, Loitering detection and motion detection.

7.2 Playback by Tag

This screen allows to view all previously added tags and edit, play back or delete them.



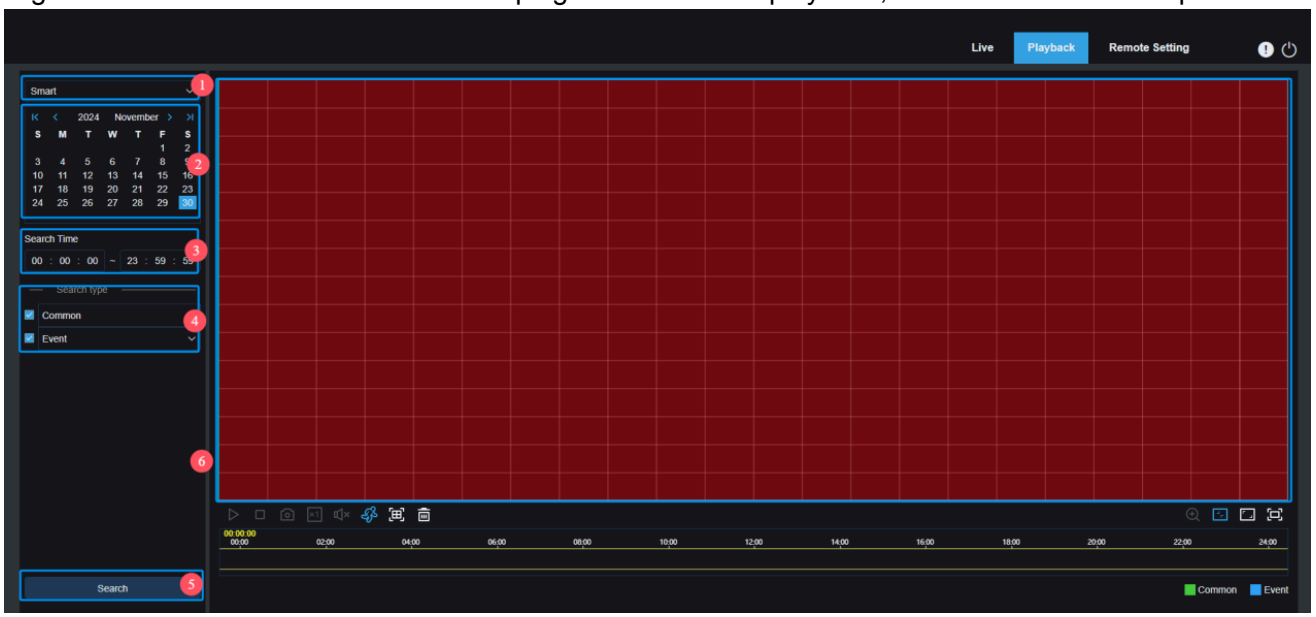
1. **Switch search mode:** Switch the current search function.The current search mode is Tag.
2. **Start time:** Set the start time to search for tags.
3. **End time:** Set the end time to search for tags.
4. **Keyword:** Search for tags with keywords.
5. **Search:** Click Search to start searching.
6. **Search Result Display Area:** Display the desired search results.

Click the button to playback events, click button to change event name, click the Save button to display the Modify Success prompt dialog box, and click icon to delete this event.

7. **Search results Flip:** Scroll through search results at the lower right corner.

7.3 Smart playback

Login from a browser without the need of plugin to start smart playback, as shown in the below picture.



This function can identify whether an alarm is triggered by human in daily life. If yes, the alarm will be shown in blue in the playback time bar on the bottom.

1. **Switch search mode:** Switch the current search function. The current Search Mode is Smart.
2. **Date:** Set the date to search for smart events. By clicking Search, you will be prompted with the dates for which recording files are available.
3. **Search time:** Set the time for searching for events.
4. **Search type:** Display the search types supported by the camera. You can search for only part of recording files as required.
5. **Search:** Click Search to start searching.
6. **Search Result Display Area:** Display the desired search results.

Pause/Play: Pause/play streams.

Stop: Stop playing streams.

Capture: Manually capture the image of the current stream.

Speed: Supports playing at a speed of 1/8, 1/4, 1/2, 1, x2, x4, x8, and x16.

Audio: Turn on/off or adjust stream sound.

Add Default Tag: Add default tags. Mark the video playback start time at the current time in the current channel and click this icon to add tags.

Add Tag: Add custom tags. When you click this icon to add a tag, a custom window will appears and you can specify a name for this tag.

Smart: Click this icon to enter the Smart area setting screen.

All: Click on **All** will set the full screen as the Smart detection area.

Delete: Click on **Delete All** will clear the entire area.

Digital Zoom: Zoom in a certain area of the stream.

Original Proportions: Display the current live view in its original proportion.

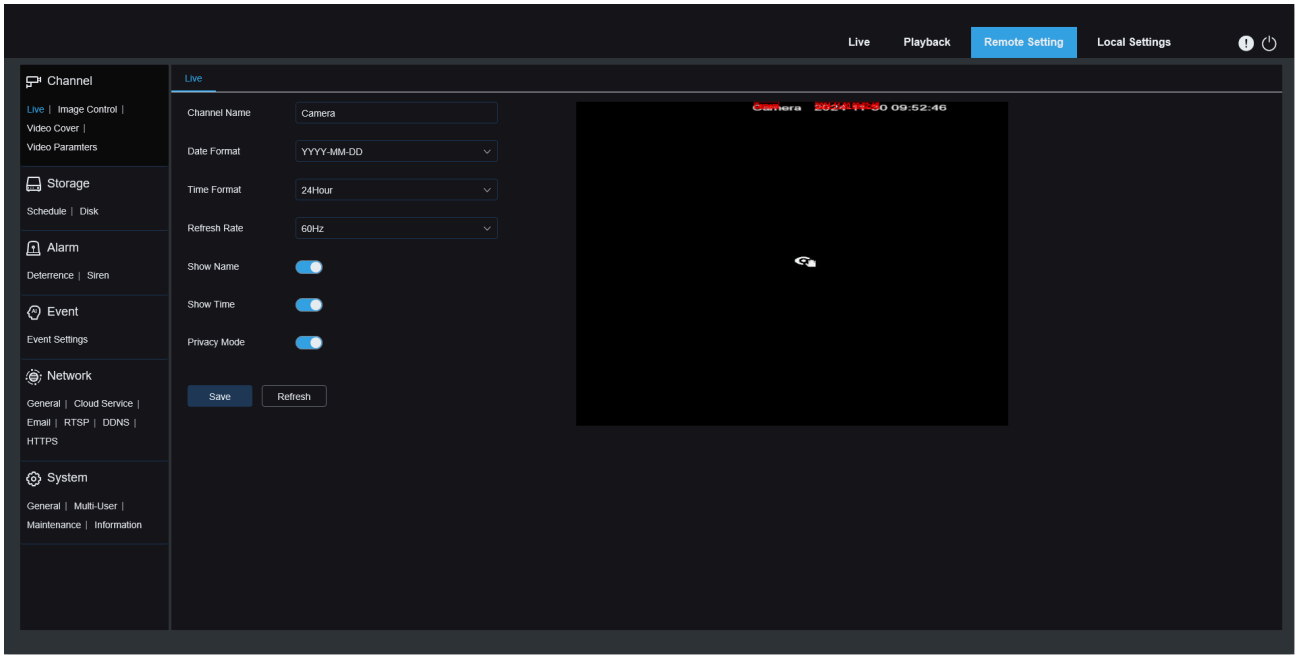
Stretch: Display the current live view in a way that stretches the display area.

Full Screen: Display playback stream in full screen. You can double-click the screen to enable or disable the function, and press **Esc** to exit the full screen mode.

Chapter 8 Remote Setting

8.1 Live View

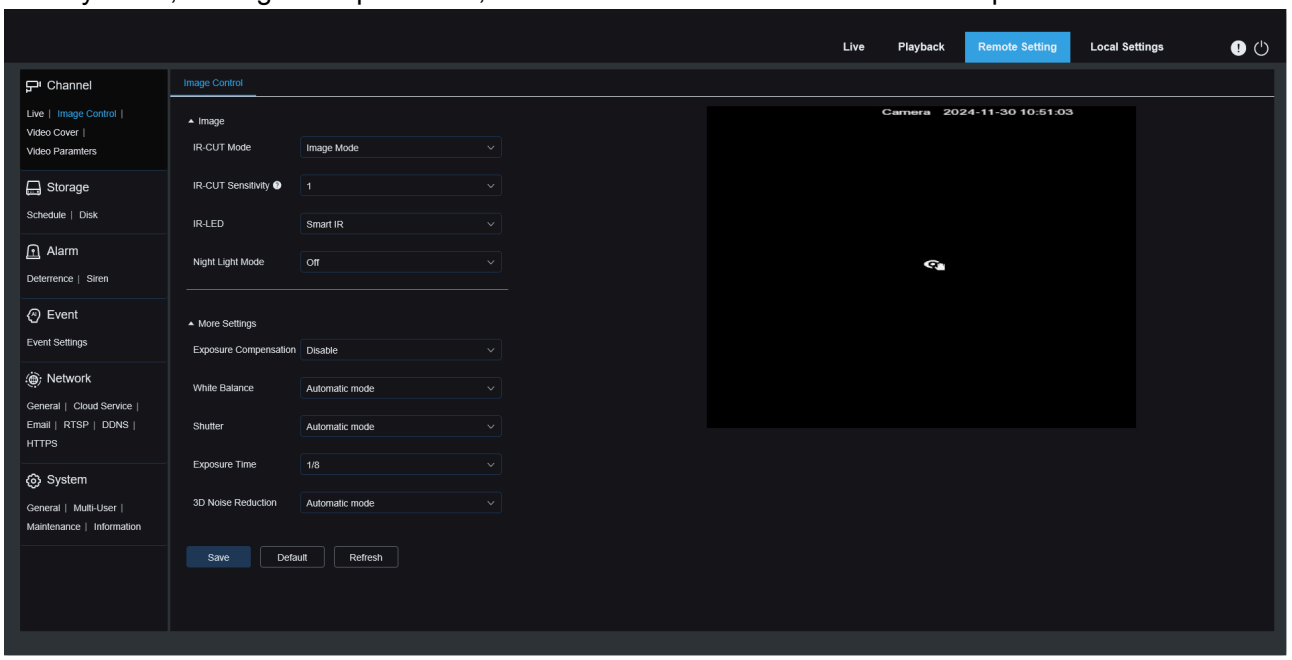
The Live interface is the position where the statistics of channel name, device time, Cross Counting and other AI functions are superimposed with images. The interface is shown in the below picture.



Name: Set the channel name of the camera displayed on the OSD.
Date Format: Set the date format of the camera displayed on the OSD, including MM/DD/YYYY, YYYY-MM-DD, and DD/MM/YYYY.
Time Format: Set the hour format of the camera on the OSD, including 12-Hour and 24-Hour.
Flicker Control: Set the image refresh rate, including 60 Hz and 50 Hz, corresponding to N and P respectively.
Show Name: Set whether to display channel name on images.
Show Time: Set where to display channel time on images.
OSD Self-adaptive: The OSD font color of the camera time and channel name is self-adaptive. The color switches between white and black based on the image background to ensure clear display.
Channel Name Display Location: Set the location where the channel name appears by dragging its location on the image.
Time Display Location: Set the location where the channel time appears by dragging its location on the image.
Alarm Statistic Display Location: Set the location where alarm statistic appears by dragging its location on the image. This setting is available only when the alarm statistic display function is enabled.
Save: Save the current changes.
Refresh: Refresh parameters on the current view.

8.2 Image Control

Image control is the direct control to modify the graphic parameters, such as the color to black mode, wide dynamic, backlight compensation, etc. The interface is shown in the below picture.



IR-CUT Mode: Set the day or night switching mode of the camera in **Day/Night** Mode.There are 4 mode options.
Color Mode: Forced Color mode will not be switched to b/w.
Night / Black White Mode: Forced B/W mode will not be switched to color.
Image Mode: Control the mode of color to black and black by image.
Schedule / Schedule (B / W): Switch between black and white and color through schedule settings. Turn this feature on, you need to set the start and end time to enter the night vision.
IR-LED: Set the light filling effect of PoE doorbell infrared light during night vision in two modes.
SmartIR: Intelligently control the fill-in light intensity of the IR light according to focal length and overexposure condition.
Manual: Manual Mode in which the fill-in light is applied in the form of the set brightness of the IR light.
Low/High Beam Light: Manually adjust the first group IR light brightness (0 to100, of which 0 indicates that the IR light is off and 100 indicates the highest brightness).
IR-LED Mode: Set the mode of IR-LED on / off, including 3 modes:
Auto: Automatic mode, the IR-LED automatically turns on or off according to the image brightness. The picture is color and IR-LED off, the picture is night vision and IR-LED on.
Schedule: Schedule mode, the IR-LED is turned on or off according to the set schedule. Turn this function on, you need to set time schedule of the IR-LED when is on and off.
OFF: The IR-LED is off, the IR-LED is not turned on under any circumstances (except manually).
Light Brightness: The brightness of the IR-LED can be manually adjusted. (0~100, the IR-LED is not on when set at 0, and the brightest at 100)
Exposure Compensation: Set firmware performance when backlight. There are four mode options.
WDR: Wide dynamic range in which the picture is uniformly balanced based on the setting and both light and dark areas can be clearly distinguished.
HLC: Highlight compensation in which the objects in the highlighted area are clearer in the picture. (Applicable for some models).
Back Light: Backlight compensation in which the objects in the dark area are clearer.
Disable: An image will not be optimized with backlight on.
White Balance: White balance is a measure of the accuracy of white produced by mixing red, green, and blue. There are two mode options.

Automatic mode: Adjust the white light using default parameters.
Manual: Actively set the synthetic gained white light of red, green, and blue.
Shutter: Set the shutter exposure time. There are two mode options.
Automatic mode: The program automatically selects a proper exposure time according to the Time Exposure setting.
Manual: Allow to use the Time Exposure setting directly.
Note: Deselect the flickerless option of the exposure time in shutter manual mode, and select the option in shutter auto mode. If you switch the shutter to manual mode, the exposure time is switched automatically to 1/100(50Hz) or 1/120(60Hz).
Time Exposure: Set the exposure time of the camera and use this parameter in combination with Shutter.When the exposure time is too long, there may be overexposure. When the exposure time is too short, the picture may be dark.
3D Noise Reduction: Reduce image noise by setting this parameter to obtain a clearer picture. There are three mode options.

Automatic mode: The PoE doorbell automatically selects the noise reduction effect according to the algorithm.

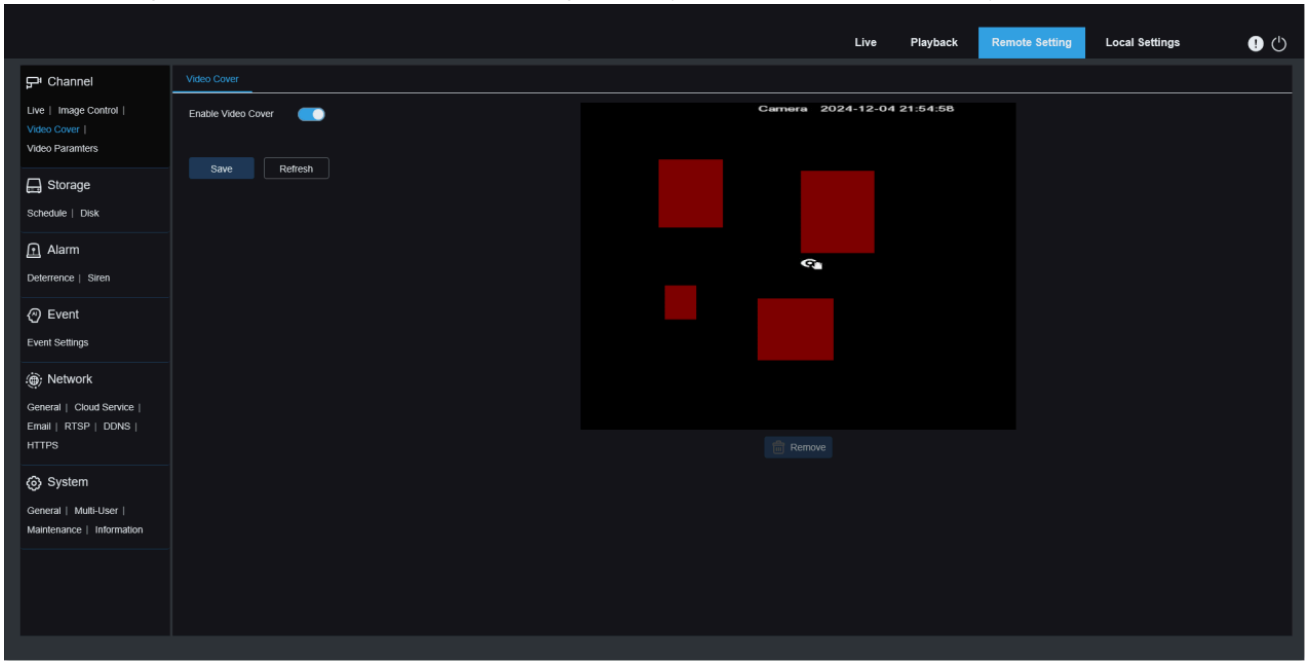
OFF: Noise reduction function is not enabled.

Manual: Make noise reduction according to the manually set noise reduction coefficient.

Save: Save parameter changes to an image.
Default: Restore image parameters to default settings.
Refresh: Refresh image parameters.

8.3 Video Cover

If the user wants to cover certain areas of the image, this feature will allow the user to create four private areas of any size and location.
Enable the switch and select the privacy area required to enable. The area is shown as the red box.
Click the edge session of the red box and drag it to any size to create the privacy area.



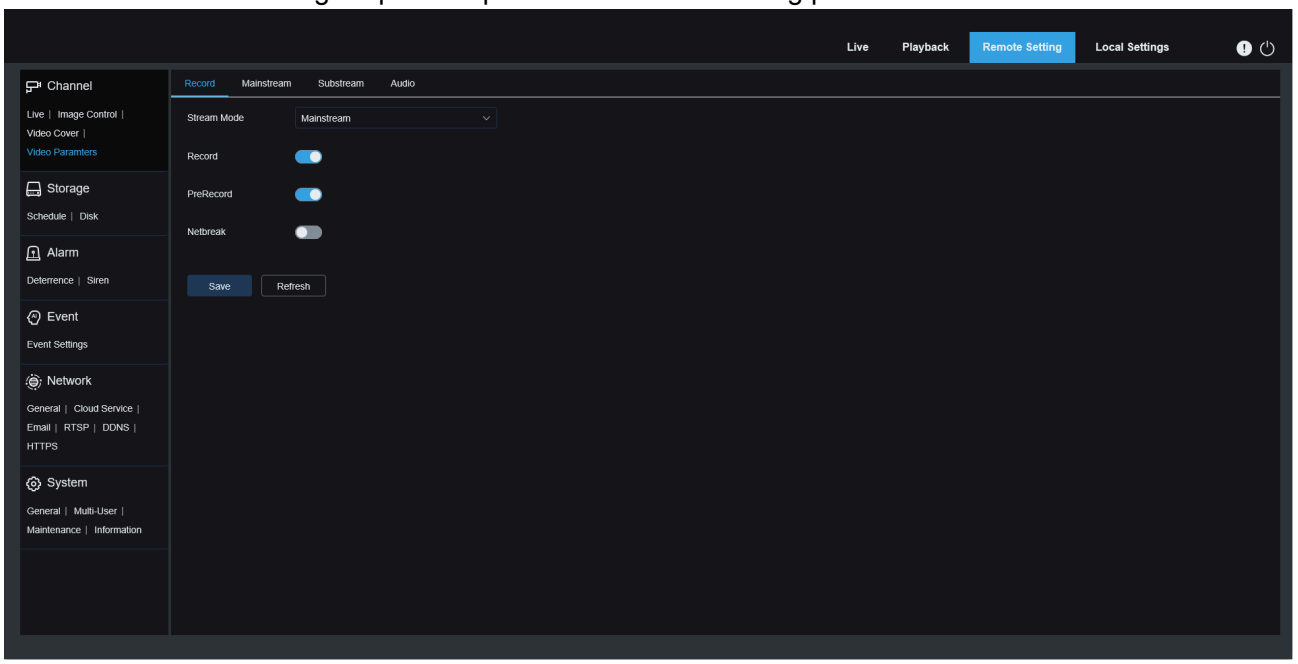
Enable Video Cover: Enable/Disable the Video Cover function.
Tampering Area Setting: Multiple privacy areas can be set in the screen, and the privacy areas can be moved and stretched. When setting, the tampering block is red, and the corresponding area of the screen is black after taking effect.
Delete: Delete the tampering block in the selection.
Note: The privacy area is set up, and the picture covered by the privacy area is not visible during preview and playback.

8.4 Video Parameters

User can configure the parameters of the screen preview and the recording parameters in this menu.

8.4.1 Record

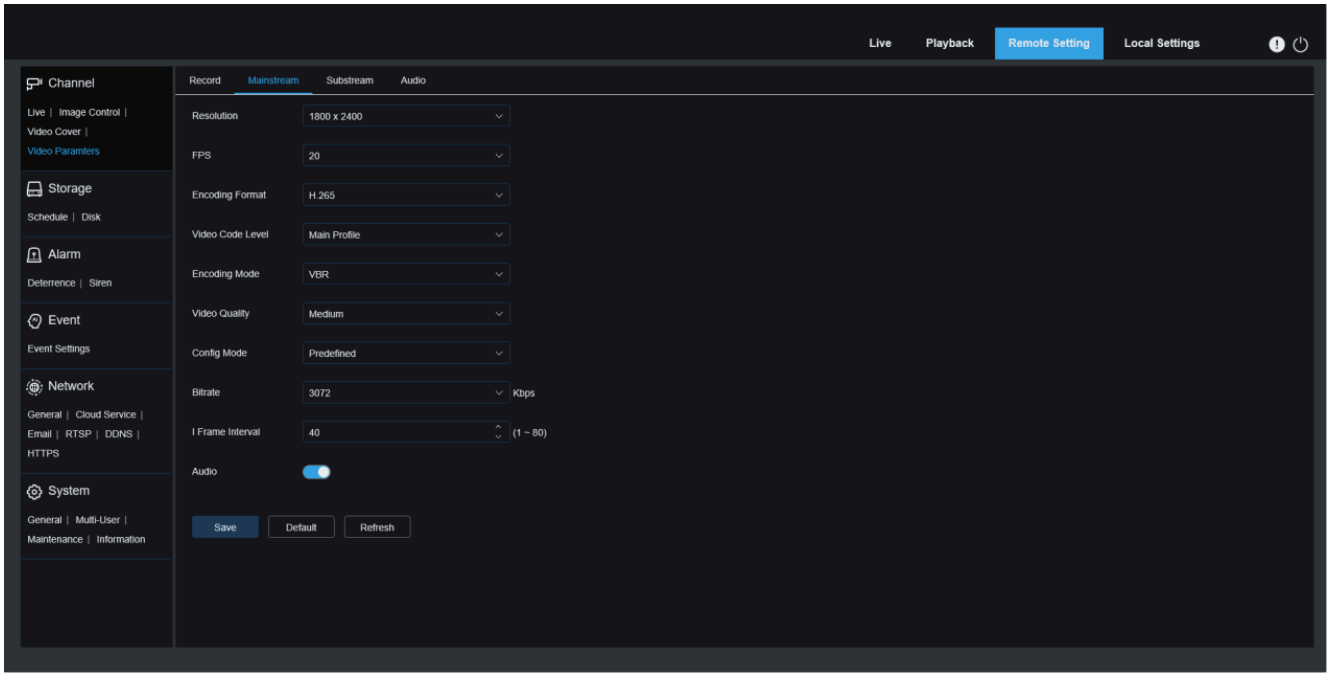
This menu allows to configure preview parameters and recording parameters.



Stream Mode: Select a Recording Mode, that is, video stream to be saved in the memory card. The main stream is selected by default.
Record: Select this option to start recording.
PreRecord: If this option is enabled, the PoE doorbell camera will start recording a few seconds before an alarm event occurs. This option is recommended if your main recording type is based on motion detection or I/O alarm.
Netbreak: If this option is selected, recording continues even when the network is disconnected or network failure occurs.

8.4.2 Encoding parameters

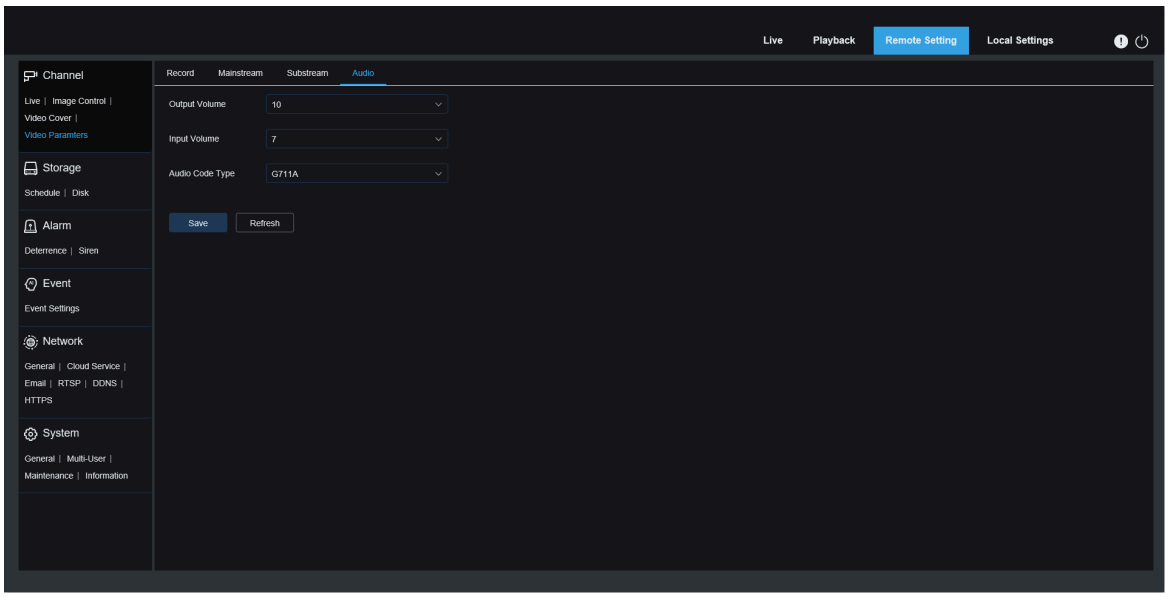
This menu allows to configure the image quality for video recording or network transmission. In general, "Main Stream" defines the quality parameters of recorded videos that will be stored in the HDD, "Sub Stream" defines the quality parameters of live videos that are remotely accessed from for example the web client and CMS.



Resolution: This parameter defines the resolution of a recording image.
FPS: This parameter defines the frame rate of recording in your PoE doorbell camera.
Video Code Type: Channel decoding types.The options include H.264, H.265, H.264+, H.265+, and MJPEG (MJPEG only exists in Sub Stream mode).
Video Code Level: Video quality levels.The options include Baseline, Main Profile, and High Profile (For H.265, only Main Profile is available).
Bitrate Control: Select a bit rate level.For a simple scenario such as a plastered wall, a constant bit rate is preferred.For a complicated scenario such as a busy street, a variable bit rate is preferred.
Bitrate Mode: Manually set a bit rate, select the "User-defined" Mode.Select a predefined bit rate, select the "Predefined" Mode.
Bitrate: This parameter corresponds to the data transmission speed used by the PoE doorbell camera to record a video.Recording in a higher bit rate will gain better image quality.
I Frame Interval: Set I-frame interval.
Audio: If the user wants to record audio and video simultaneously and connect the microphone to the PoE doorbell or use a PoE doorbell with audio function, please enable this option.

8.4.3 Audio management

This menu sets the volume of the device.



Output Volume: Set the volume of the output audio.
Input Volume: Set the volume of the input audio.
Audio Code Type: Set the audio decoding type, and support G711A and G711U.

8.5 Storage

8.5.1 Recording Schedule

Set up recording plan in the record schedule page.The recording is performed only within the selected time period.You can drag your cursor to mark areas.

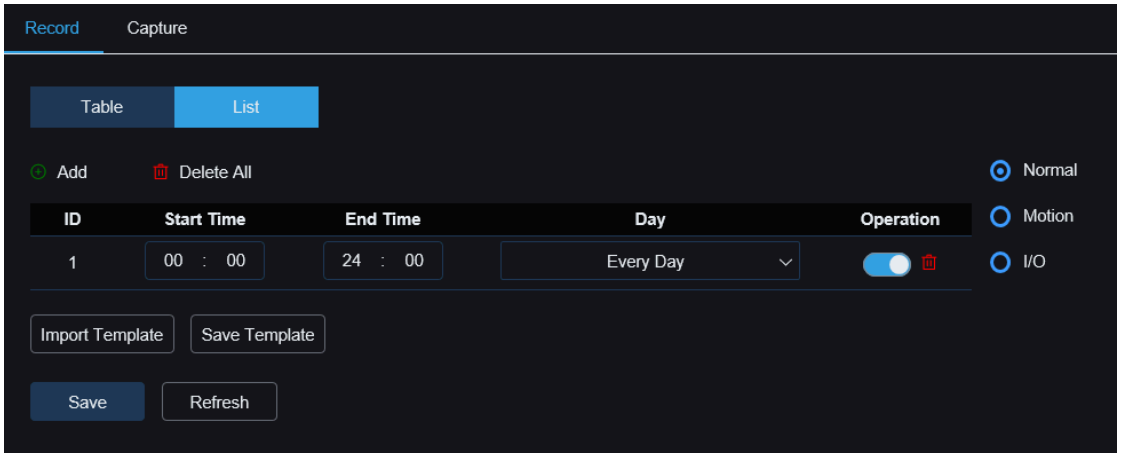
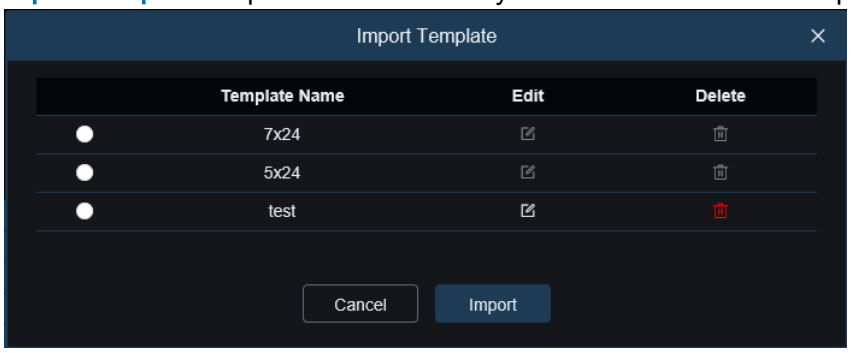
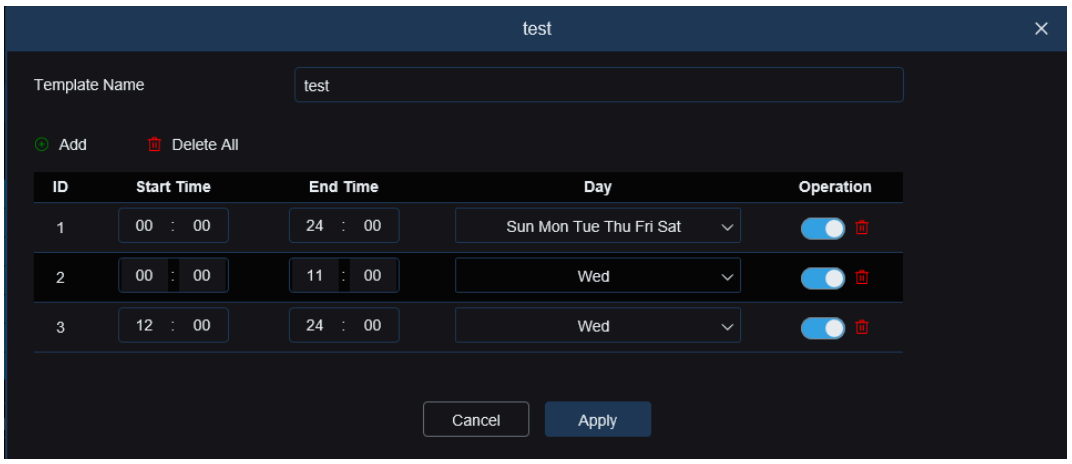


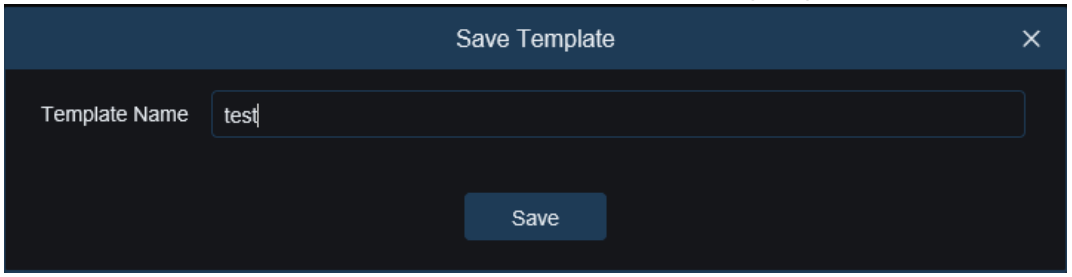
Table / List: The schedule table is presented in a table or a list form. Click Normal, Motion or I / O on the right to switch the schedule of different video types.
Select the Table form, drag or tick the corresponding time period in the table to set the corresponding time schedule.
Select the List form and set the corresponding time schedule by manually adding the rules and entering the start and end time periods.
Add: Add a schedule rule.
Delete All: Delete all schedule rules.
Start Time: Set the schedule rule start time.
End Time: Set the end time of the schedule rule.
Day: Set up the period during which the schedule rule takes effect.
Import Template: Import the custom or system default schedule template.



Edit: Edit the schedule template, you can modify the template name and the specific schedule rules.
Delete: Delete the schedule template.
Note: The system supports **7x24** and **5x24** schedule templates by default, which cannot be editable and deleted.



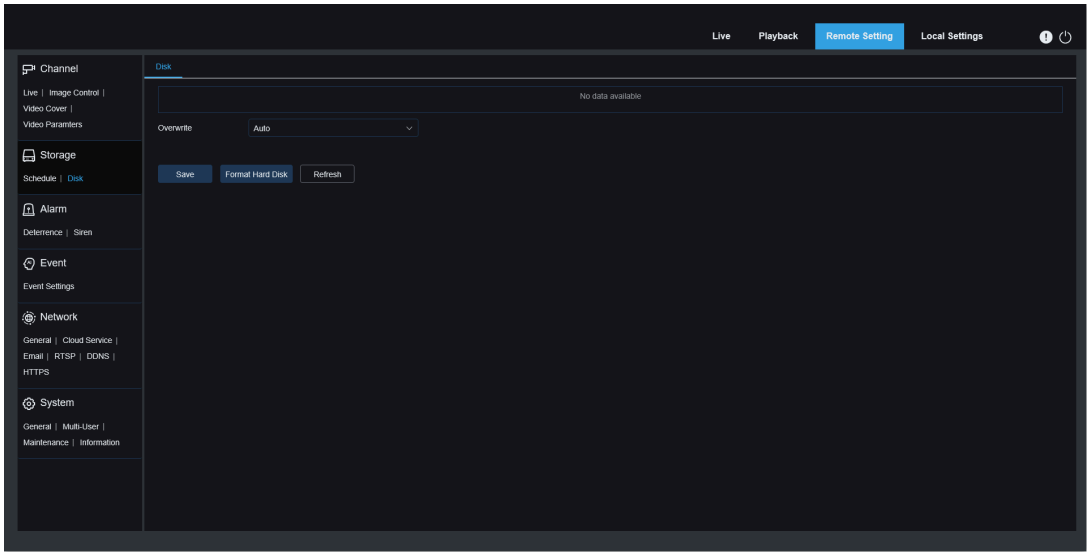
Save Template: Save the schedule template, you can save the currently schedule rules as a custom template, which can be imported in the other schedule setting page.



Save: Save the edited parameters.
Copy: Copy the parameters to another channel.
Refresh: Reacquire the parameters.

8.5.2 Disk

This menu user can check and configure the internal TF card. Format is only required for initial access and replacement of a new TF card.



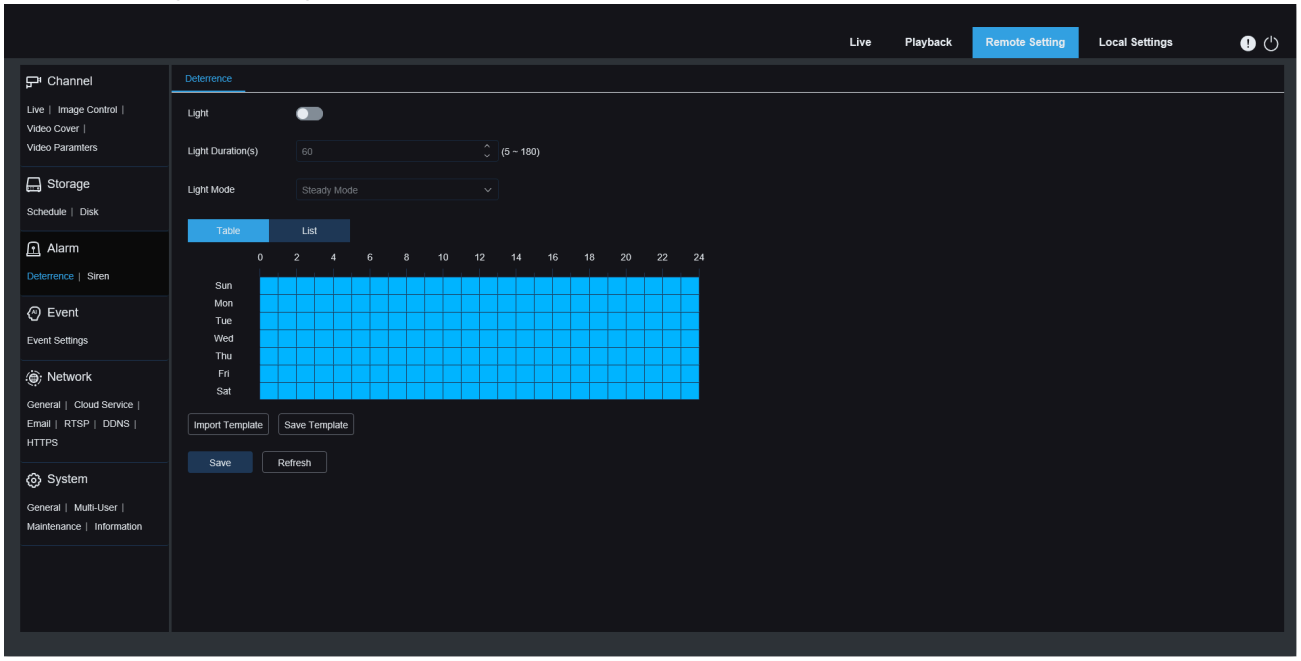
Format Hard Disk: Select the TF card that you want to format, and then click the **Format HDD Disk** menu. To start formatting, the user needs to enter a user name and password and then click **OK**.
Overwrite: Use this option to override the old record on the TF card when the TF card is full. Select Auto, and when the TF card is full, the initial data will be automatically overwritten. If you don't want any old

video to be overwritten, select **OFF**. If this feature is disabled, check the TF card status regularly to ensure that the TF card is not full.

8.6 Alarm Settings

8.6.1 Deterrence

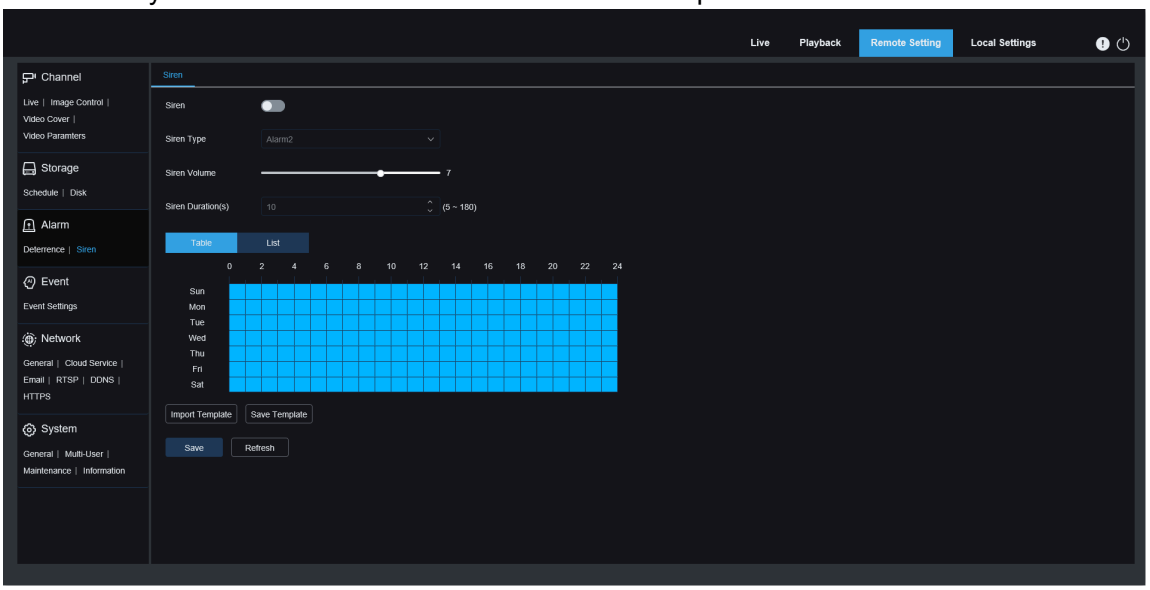
This menu can configure the deterrent parameters. When deterrent alarm is triggered, the white light will be on following the configured parameters as shown in below picture.



Light: Enable or disable the white light warning.
Light Duration(s): Duration of white light.
Deterrence Mode: Set the white light mode, there are two modes.
Steady Mode: The white light is steady on during deterrence.
Flashing Mode: The white light blinks at a set frequency during deterrence.

8.6.2 Siren

PoE doorbell support siren function, this menu allows configuration of alarm related parameters. When the alarm of linkage deterrence is triggered, the alarm will be automatically enabled for deterrence as shown in below picture.



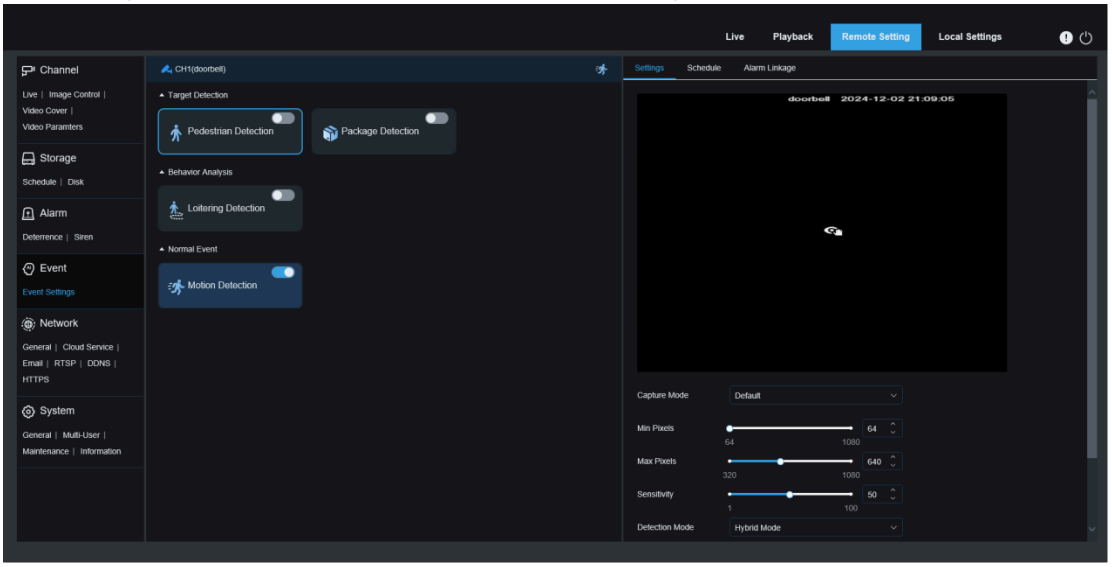
Siren: Enable or disable siren switch.
Siren Type: Set siren file type.
By default, there are two files for users to configure. You can customize and import three siren audio files (the audio file format should be **.wav** and **.pcm**, audio sampling rate can't exceed 8000Hz, and the file size is not larger than 256K).
Siren Volume: Set the siren volume level, support 1-10 level adjustable.
Siren Duration(s): Set the siren volume duration, support 5-180 seconds adjustable.

8.7 Event Settings

The PoE doorbell enables AI alarm, and you need to open the corresponding alarm function in the Event Settings menu. The opening function requires the computing power of PoE doorbell. Due to the performance limitation of PoE doorbell, some Event functions do not support opening at the same time. Please refer to the specific model restrictions.

8.7.1 Pedestrian detection

Pedestrian detection function, according to the function setting, identify the human in the screen to generate alarm and record the corresponding capture.

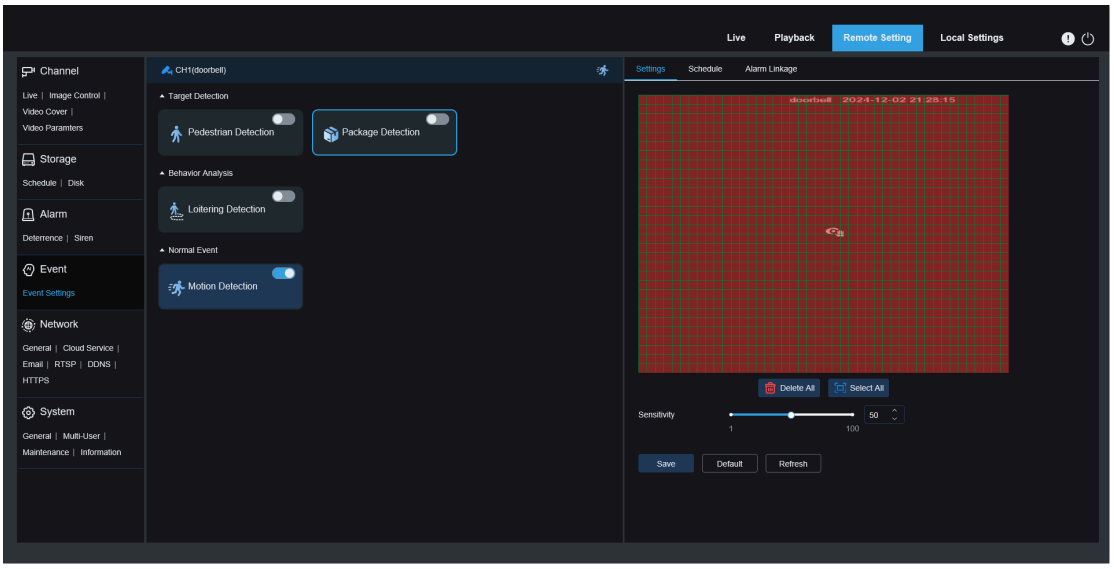


Enable: Enable or disable Pedestrian detection function.
Min Pixels: Set the minimum recognition pixel box, people should be greater than the set pixel to be identified, when the mouse moves to the progress bar, the upper image preview will show the actual size of the pixel box, at the same time, you can drag the pixel box to set, when the mouse moves away for 5 seconds, the pixel box in the image preview will disappear.
Max Pixels: Set the maximum recognition pixel box, people are less than the set pixel to be identified, when the mouse moves to the progress bar, the right image preview will show the actual size of the pixel box, and can drag the pixel box to set, when the mouse removed for 5 seconds, the pixel box in the image preview disappear.
Sensitivity: The higher the detection sensitivity, the better the human target, but the higher the false alarm.
Capture Mode: Set the grasp mode, which can open the push reception in the preview interface or connect to NVR to view the push effect. The program supports 3 grasp modes.
Default: The PoE doorbell detects that the target disappears and only pushes a picture of a person when the target disappears.
RealTime Mode: When the PoE doorbell detects the target, immediately push a picture, and push another picture when the target disappears.
Interval Mode: Push the picture of the set times according to the set push interval time. When the scratch mode is Interval Mode, there are Snap Num, Snap Frequency settings.
Snap Num: According to the interval set by Snap Frequency, the PoE doorbell is pushed for 1, 2, 3, unlimited times for the same target.
Capture Interval: Push the map according to the set time after the target appears or the last push time.
Detection Mode: The behavioral filtering of the target in the detection area, with two modes.
Hybrid Mode: Check all human forms in the picture.
Motion Mode: Filter out motionless human form.
Detection Area: Detection settings, this option has two modes.
Full Screen: Check all the monitoring areas of the camera.
User-defined: detect only the area selected by the user custom box.
Rule Number: Rule number selection, support setting 4 detection rules.

Rule Switch: Rule enable switch, each rule has an independent enable switch associated with the currently selected Rule Number.
Rule line setting area: Supports setting the detection area of 3-8 sides, or detecting the trigger line.
Rule Switch: Set the customized area after enable the switch area will take effect.

8.7.2 Package detection

Package detection, detect rectangular packages in the detected area of the picture, generate an alarm, and record the corresponding captured image.

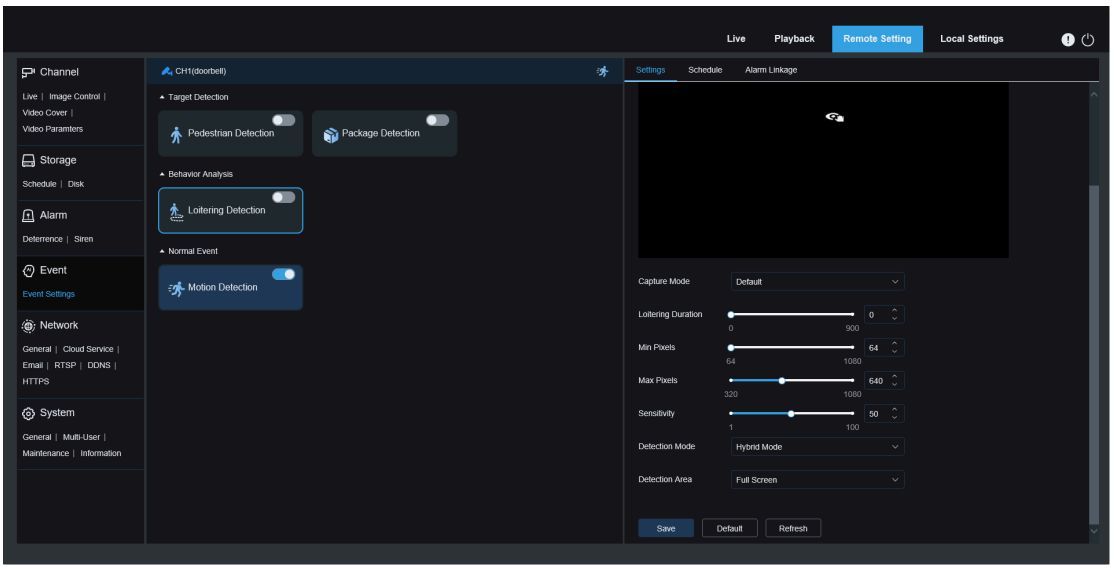


Sensitivity: Detection sensitivity setting: The larger the value, the more sensitive the detection (but the higher the probability of false alarms). The range is from 1 to 100, and the default sensitivity is 50.
Detection area: Customize the detection area (the entire area is selected by default). When a package appears within the area, a "package delivered" alarm will be triggered. When the package disappears or moves within the area, a "package taken away" alarm will be triggered.

Note: To reduce the occurrence of false alarms, there is a certain delay (5 seconds) after the package is delivered or picked up, and the alarm will not be triggered immediately. Currently, only packages with a rectangular appearance are supported for detection, and other irregularly shaped packages may not trigger the alarm.

8.7.3 Loitering detection

Detect human loitering in the picture, trigger alarm and record the corresponding captured image.

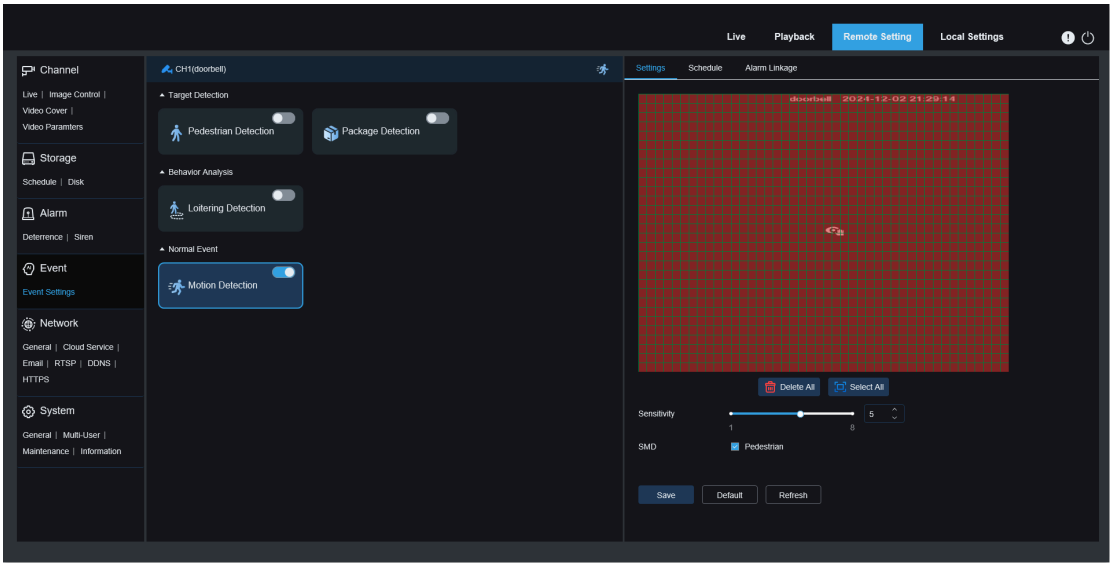


Capture Mode: Set the image capture mode. You can turn on push notifications in the preview interface or connect to an NVR to view the push results. The program supports three image capture modes.
Optimal Mode: The camera detects the disappearance of the target to the target, and only pushes a picture that the camera thinks works best when the target disappears.
Realtime Mode: When the camera detects a target, immediately push a picture, and then push the best picture when the target disappears.
Interval Mode: Set the number of snapshots according to the need, and the interval between the push pictures. Snapshot Qty can be set to: 1, 2, 3 and unlimited, capture interval: time range from 1 to 255 seconds. Such as 5 seconds that is a push at 5, 10 and 15s of the detected target.
Loitering Duration: When the duration of a person loitering in the picture reaches the set time, a loitering alarm will be triggered. The default value is 0, and the range is from 0 to 900 seconds(s).
Min Pixel: Set the minimum recognition pixel box, people should be greater than the set pixel to be identified, when the mouse moves to the progress bar, the right image preview will show the actual size of the pixel box, at the same time can drag the pixel box to set, when the mouse moved away for 5 seconds, the pixel box in the image preview disappear.
Max Pixel: Set the maximum recognition pixel box, people are less than the set pixel to be identified, when the mouse moves to the progress bar, the right image preview will show the actual size of the pixel box, and can drag the pixel box to set, when the mouse removed for 5 seconds, the pixel box in the image preview disappear.
Sensitivity: The higher the detection sensitivity, the better the human target, but the higher the false alarm.Range of 1–100.
Detection Mode: Behavior filtering of target in detection area, with two modes.
Hybrid Mode: Check for all the people in the picture.
Motion Mode: Filter out the still people.
Detection Area: Detection settings, with two modes.
Full Screen: Check all the monitoring areas of the camera.
User-defined: detect only the area selected by the user custom box.
Rule Number: Rule number selection, support setting 4 detection rules.
Rule Switch: Rule enable switch, each rule has an independent enable switch associated with the currently selected Rule Number.
Rule line setting area: When using the custom detection area mode, support setting the detection area of 3-8 corners.
Add: Add a default detection rule to the settings area.

Draw: Manually draw a detection rule in the setting area.
Remove: Delete the detection rule in a setting area.
Remove All: Delete all the detection rules in the setting area.

8.7.4 Motion detection

Users can configure relevant parameters for motion detection on this page. When the PoE doorbell detects the movement of a detection target within the picture, the PoE doorbell will trigger a series of alarms. For example, it will send an email alert to the email address specified by the user, which includes additional images of the PoE doorbell that triggered the alarm (if this option is enabled). It can also send push notifications through the mobile application.



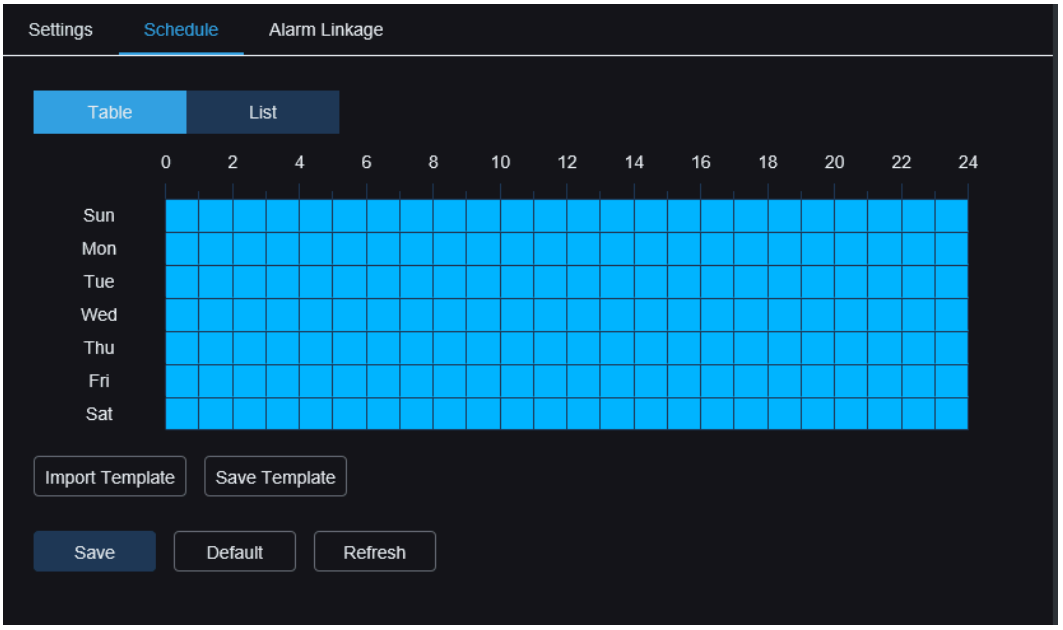
Click and hold the left mouse button to draw the detection area in the right-side window. Only movement within the area will trigger the alarm.

Enable: Enable or disable the motion detection.
Sensitivity: Set the sensitivity of motion detection, the larger the value, the more sensitive it is.

SMD: Smart motion detection: Allows users to set the target detection type and trigger alerts based on movement within designated areas. Currently, only the "Pedestrian" detection type is supported.

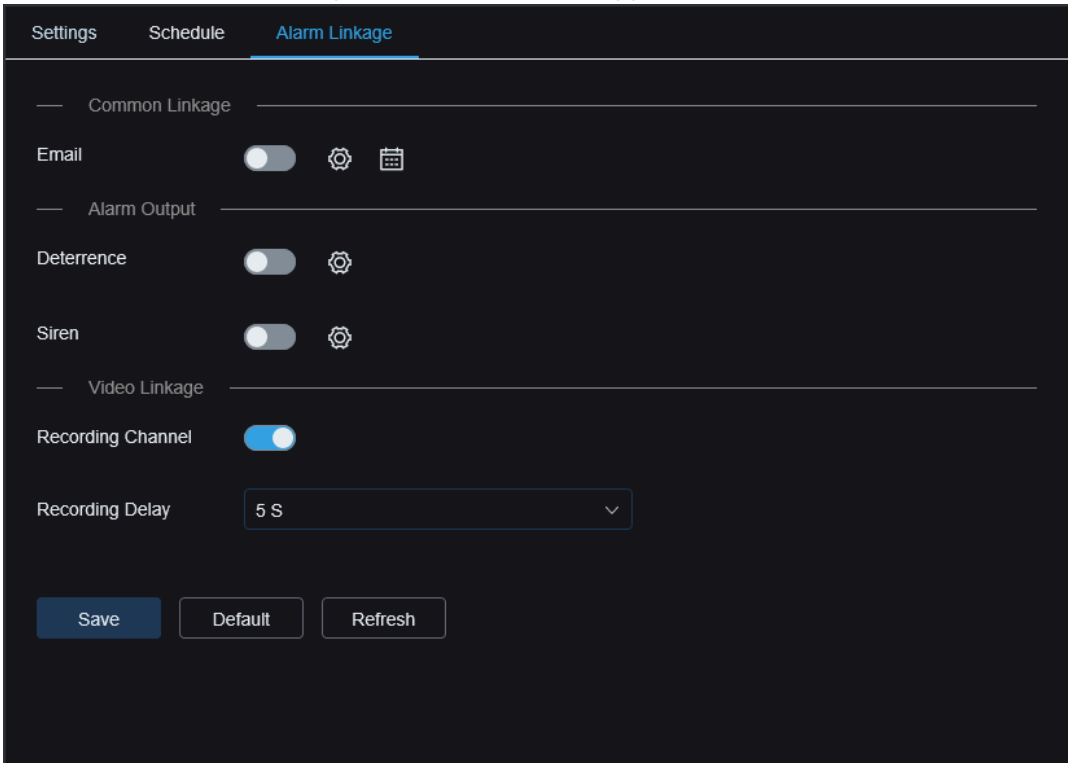
8.7.5 Event schedule setting

Set up the schedule for each event, refer to the Chapter 8.5.1 Record Schedule.



8.7.6 Linkage setting of event alarm

Set up the function of linkage when each event triggers an alarm.



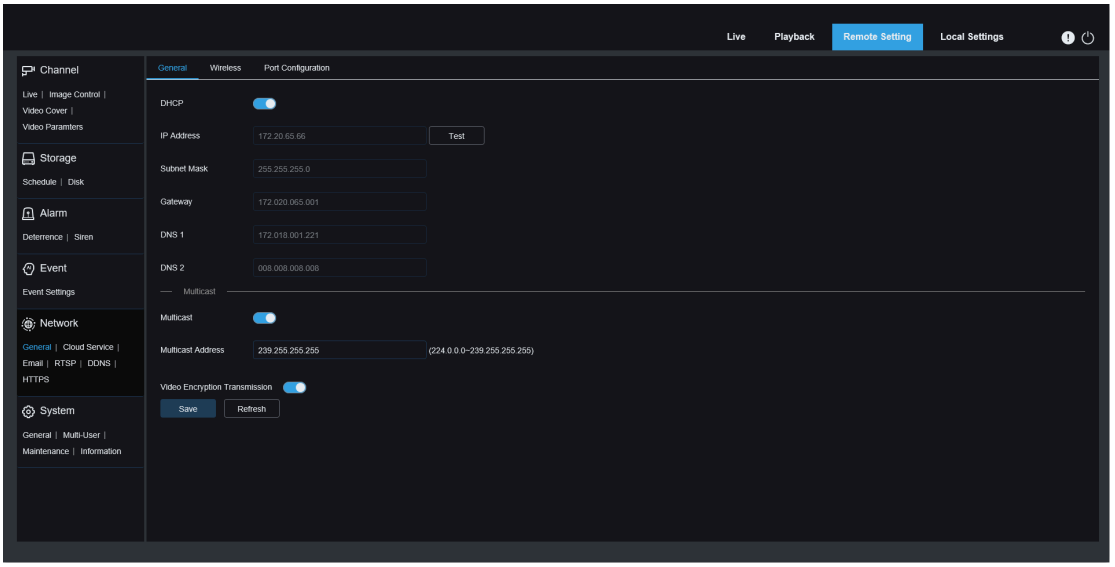
Email: Whether the camera sends mail when triggering an event alarm. Click the right side setting button or the schedule button to set the message parameters, please refer to Chapter 8.10 Email Settings.

Deterrence: Light deterrent linkage switch, when triggering alarm according to the white light setting parameters in Chapter 8.6.1 Deterrence. Click setup button on the right to set the parameters directly.
Siren: During the alarm trigger, conduct the alarm response according to the alarm setting parameters in Chapter 8.6.2 Siren. Click setup button on the right to set the parameters directly.
Recording Channel: Record linkage switch, click setup button on the right to select the linkage channel. The selected channel when triggering the alarm will video record the corresponding alarm type.
Recording Delay: Delay time of video recording after the camera alarm ends.

8.8 Network Settings

In this menu, users can configure network parameters such as DHCP and wireless settings. The most common type is DHCP, which is used in most cases unless a static IP is manually configured.

8.8.1 General Settings



If connected to a router that supports DHCP, check the DHCP box. The router will automatically assign all network parameters to the device.

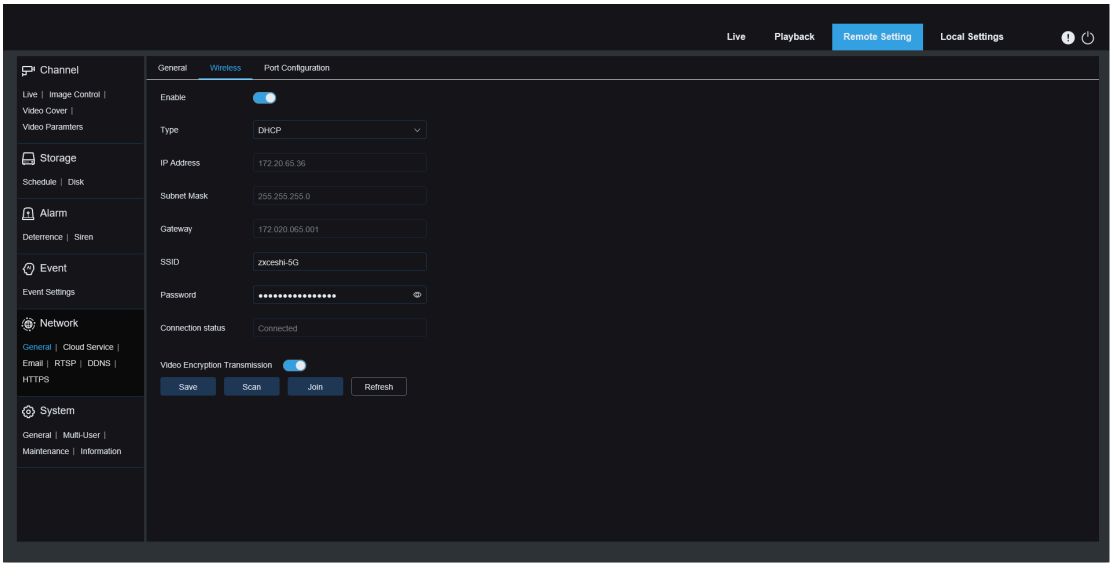
Manual network configuration (static IP):
IP Address: The identifier of the PoE doorbell on the network, formatted as four groups of numbers (0–255) separated by periods, e.g., 192.168.001.100.
Subnet Mask: Defines the IP address range within the network. If the IP address is like a street, the subnet mask acts as the neighborhood. Example: 255.255.000.000.
Gateway: Allows the PoE doorbell to access the network, formatted like an IP address, e.g.192.168.001.001.
DNS1/DNS2: DNS1 is the primary DNS server. DNS2 is a backup. Typically, only DNS1 needs to be configured.
Multicast Settings: Enable Multicast to use main stream for multicast transmission.
Multicast Address: Configure the address for multicast media streams. Third-party players can request multicast streams via the RTSP protocol.
Video Encryption Transmission: Enable encrypted audio/video transmission.

IP Conflict Detection: The PoE doorbell supports duplicate IP detection within the same network segment. If a duplicate IP is detected 

during testing, a warning message will appear (as shown in the example image below).
Note: Ensure all parameters comply with your network requirements. Incorrect settings may result in connectivity issues.

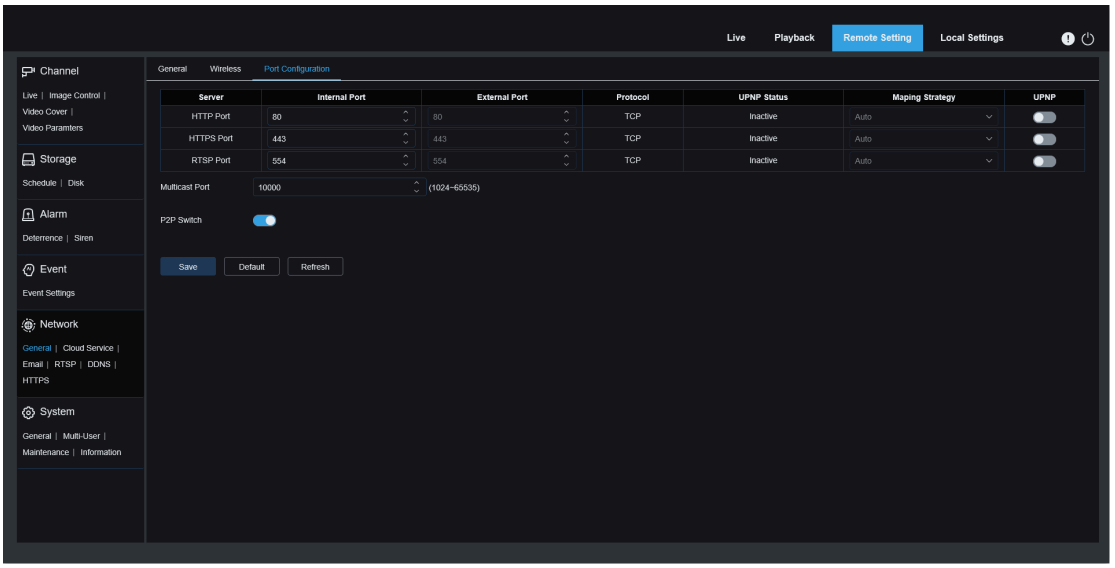
8.8.2 Wireless Settings

This page can be configured for the wireless network parameters. As shown in the below picture.



Enable: Enable or close the wireless network.
Type: The wireless network type.
IP Address: The IP address is the identification of the PoE doorbell in the network, which consists of four sets of numbers between 0 and 255, separated by periods. For example, "192.168.001.100".
Subnet Mask: Subnet mask is a network parameter that defines the range of IP addresses that can be used in the network. If the IP address is like the street where people live, then the subnet mask is like a community. Subnet addresses also consisted of four sets of numbers, separated by periods. For example, "255.255.000.000".
Gateway: This address allows the PoE doorbell to access the network, and the gateway address has the same format as the IP address. For example, "192.168.001.001".
SSID: wireless WiFi name, you can scan the nearby WiFi information to select the fill in or manually enter the WiFi name.
Password: WiFi password, fill in the correct WiFi password, click save or join to successfully connect to WiFi.
Connection status: Displays the status of the current WiFi connection.
Video Encryption Transmission: Audio and video encryption transmission.
Save: Save modified parameters.
Scan: Search for nearby WiFi information. Select the searched WiFi and fill in the correct password to connect to WiFi.
Join: WiFi with added settings.
Refresh: Reacquire current page parameter information.

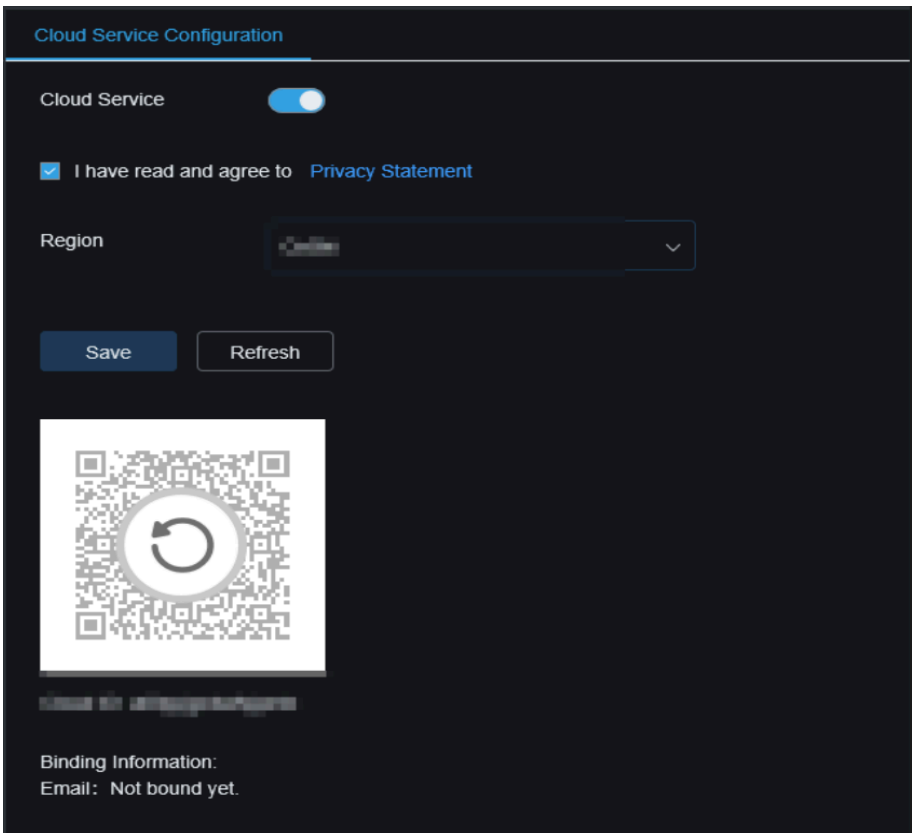
8.8.3 Port Configuration



HTTP Port: The port that the user uses to remotely log on to the PoE doorbell remotely (for example, using a Web client). If port 80 is already used by other applications, change it.
HTTPS Port: The default value is 443, HTTPS is a security-targeted HTTP channel, on the basis of HTTP through transmission encryption and identity authentication to ensure the security of the transmission process.
RTSP Port: The default is 554, change if other applications already use the default port 554.
UPNP: If you want to log on remotely using Web Client, you need to complete port forwarding in the router. If the user's router supports UPNP, enable this option. In this case, the user does not have to manually configure port forwarding on the router. If the user's router does not support UPNP, make sure that port forwarding is done manually in the router.
Multicast Port: Set up multicast port.
P2P Switch: P2P switch, P2P will not be effective after closing.

8.9 Cloud service Settings

By enabling the cloud service function, setting up the region, generating the dynamic QR code, using the CybVu APP to scan this QR code to add the device to the APP for management.

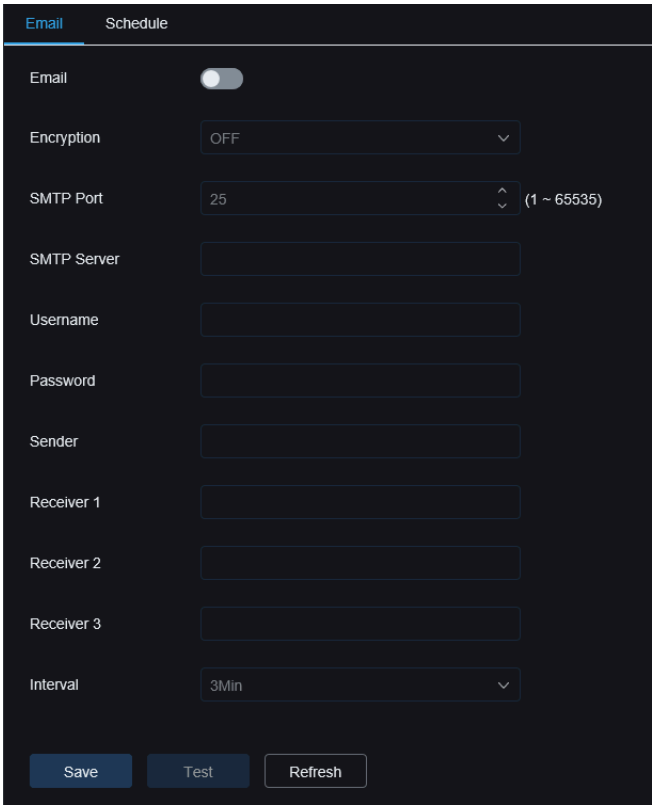


Cloud Service: Cloud service switch.
Privacy Statement: To enable cloud services, you must first read and agree to the privacy statement.
Region: Select the cloud service area (consistent with the CybVu APP registration area).
QR code display: enable cloud service, set the area, automatically generate dynamic QR code (QR code effective time of 300s, automatically invalid after expiration, need to be reacquired). Using the CybVu APP scanning QR code, the camera can be added to the APP for management.
Unbind: Click the unbind button to disconnect the camera from the CybVu APP account. After unbinding, the device will show as offline on the APP and cannot be accessed.
Note: The Cloud Service function requires communication with the cloud server, so ensure the device is connected to the internet when using this function.

8.10 Email Settings

8.10.1 Parameter Settings

This menu allows users to configure email settings. Complete these settings if you want to receive system notifications on email when an alarm is triggered or the hard disk is full.



Email: Tick to enable.
Encryption: Enabled if the user's email server requires SSL or TLS validation. If not sure, set it to Automatic.
SMTP Port: Enter the SMTP port for the e-mail server.
SMTP Server: Enter the SMTP server address for the e-mail message.
Username: Enter the user's email address.
Password: Enter the user's email password.
Receiver 1~3: Enter the email address at which the user wants to receive the event notification from the camera.
Interval: Configure the time interval between the notification messages for the camera.
To ensure that all settings are correct, click "**Test**". Email email to the user's inbox. If the user receives a test email, the configuration parameters are correct.

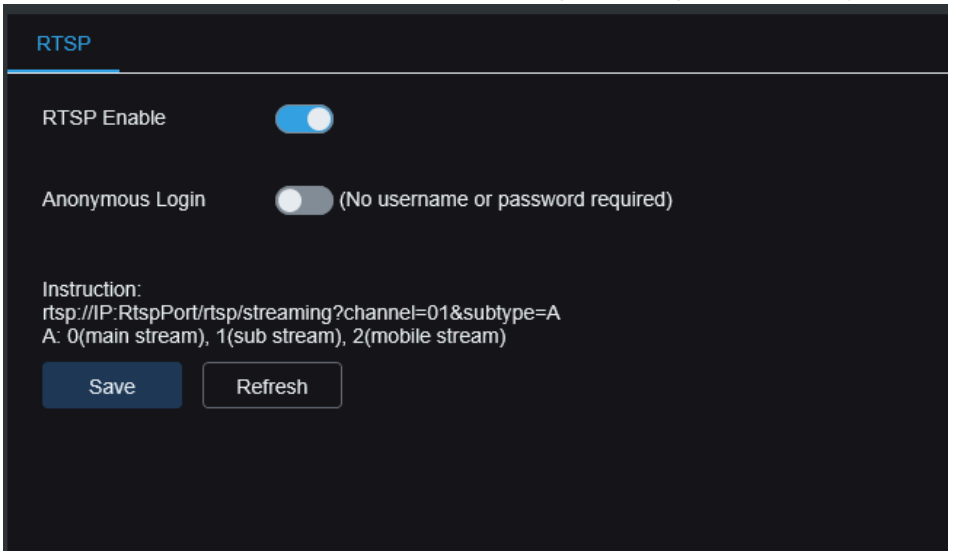
8.10.2 Schedule Settings

Set the schedule for the email function to be effective. The email function will only be active during the scheduled time period. Refer to Chapter 8.5.1 Recording schedule.


Email
Schedule
Table
List
0
2
4
6
8
10
12
14
16
18
20
22
24
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Import Template
Save Template
Save
Refresh

8.11 RTSP Protocol Settings

RTSP (Real Time Streaming Protocol), the RFC2326 real-time streaming transmission protocol, is an application layer protocol in the TCP / IP protocol system. This protocol defines how one-to-many applications can efficiently transfer multimedia data over an IP network. It allows users to view real-time images through a video player.

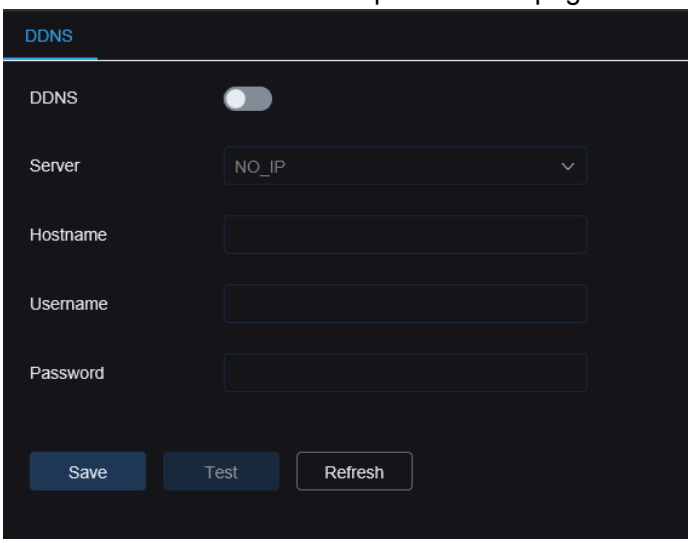


RTSP Enable: RTSP switch. Enable to use this protocol.

Anonymous Login: Anonymous login. When enabled, the protocol is used without authentication.

8.12 Dynamic Domain Name Settings

This menu user can configure the DDNS settings. The DDNS provides a static address to simplify the remote connection to the camera. To use DDNS, users first need to open an account on the DDNS service provider webpage.

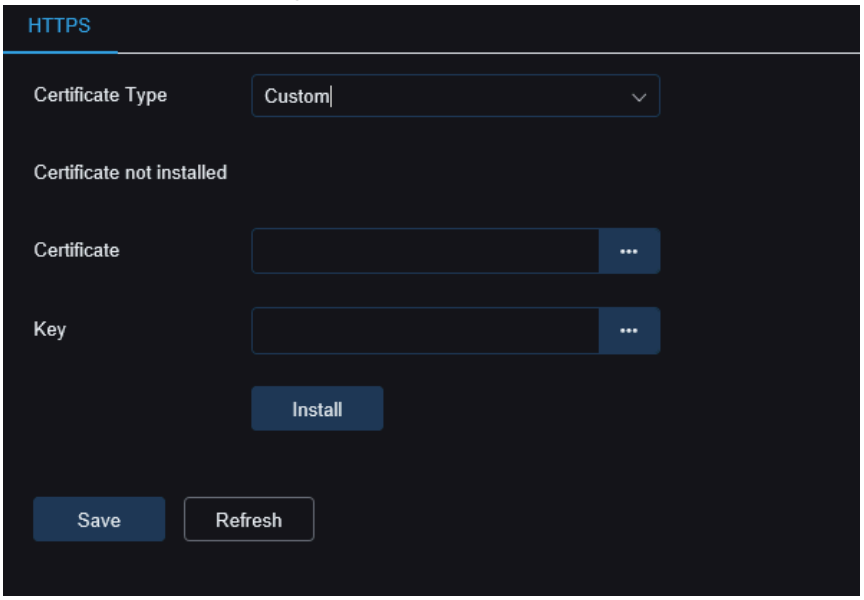


DDNS: DDNS switch, selected to enable DDNS.
Server: Select the preferred DDNS server (DYNDNS, NO_IP, partially supporting CHANGEIP, DNSEXIT).
Hostname: Enter the domain name created by the user on the DDNS service provider's webpage. When the user wants to remotely connect to the camera via the PC, this is the address that the user types in the URL box.

User / Password: Enter the user name and password obtained when creating the account on the DDNS service provider's webpage.
After entering all the parameters, click **Test** to test the DDNS settings. If the test result is Network inaccessible or DNS wrong, check whether the network is normal or the DDNS information is correct.

8.13 The HTTPS Protocol Settings

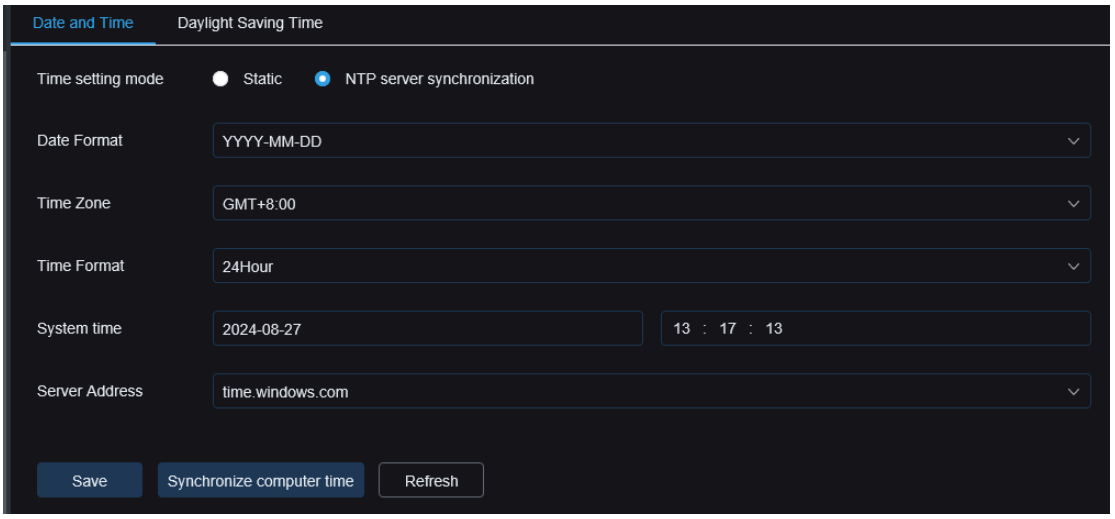
This menu allows setting the HTTPS protocol to connect to the device.



Certificate Type: Certification type, two kinds including default and custom. Custom users can connect their devices to their own certificates.
Certificate: Under custom type, select a custom certificate.
Key: Under custom type, you must select Custom Key file.

8.14 General System Settings

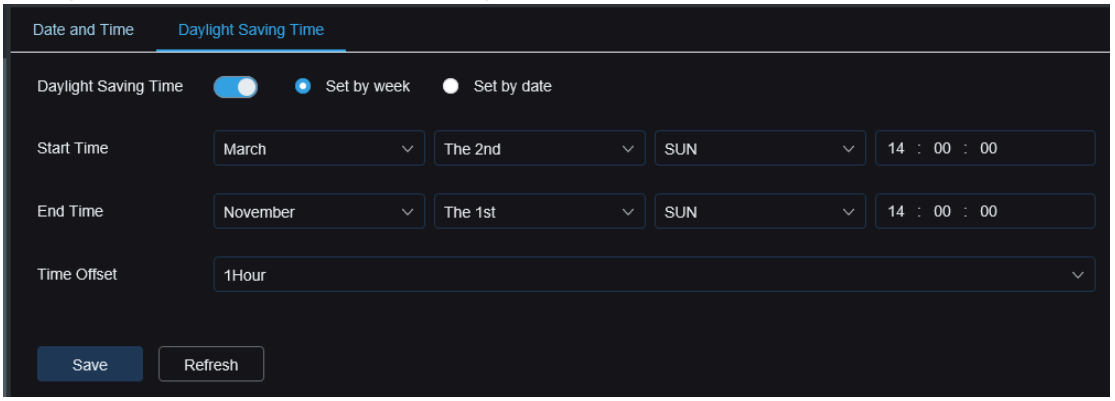
8.14.1 Date and Time



Time Settings Mode: Two options, static and NTP synchronization. Static requires setting the time manually, while NTP synchronization synchronizes time through the network.
Date Format: Set the date format.
Time Zone: Select the time zone related to your location or city.
Time Format: Select the preferred time format.
System Time: Click to change the date and time.
Synchronize Computer Time: Synchronize time to computer time.
If NTP synchronization mode is selected, manual time setting is not available.
Sever Address: Select the automatic time synchronization website.

8.14.2 Daylight Saving Time

The DST (Daylight Saving Time) function allows users to select the additional daylight saving time in specific time zones or regions.



Daylight Saving Time: Enable this option if your time zone uses daylight saving time.
Set by Week: Select the month, specific week and time for the start and end of daylight saving time.
Set by Date: Select the start and end dates and times for daylight saving time.
Start Time/End Time: Set the start and end times for daylight saving time.
Time Offset: Select the additional time for daylight saving time in your time zone, which is the difference between Coordinated Universal Time (UTC) and local time.

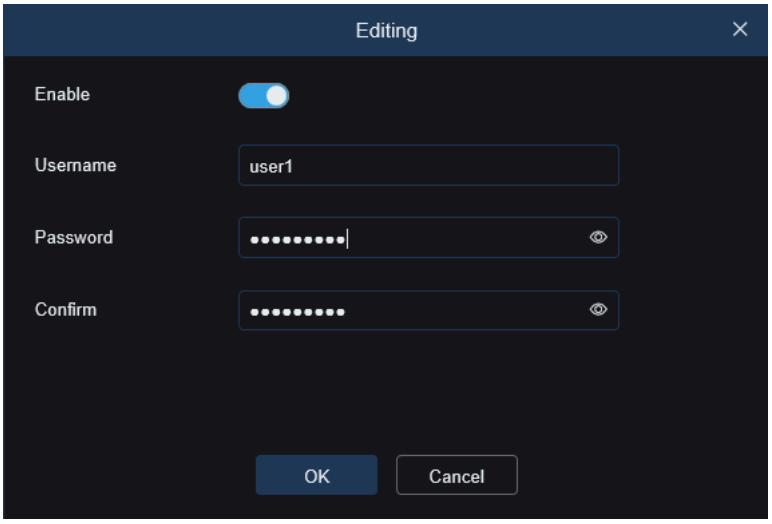
8.15 Multi-user Management

This menu allows users to configure usernames, passwords, and user permissions. The system supports the following user types.

ADMIN: System administrator. Can fully configure the system, change administrator and user passwords, enable/disable password protection.

USER: Regular user. It's only able to access preview, search, playback and other functions. Multiple users with different system access permissions can be set.

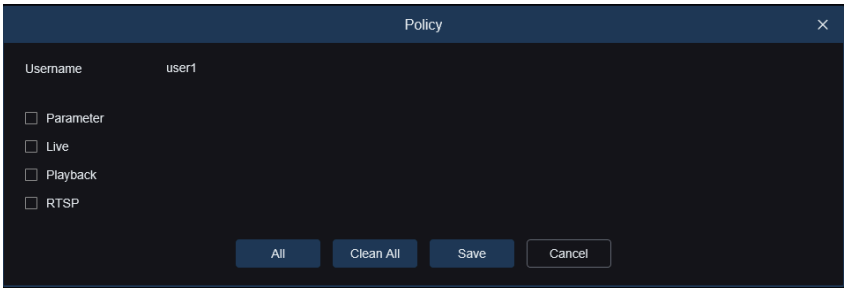
To change the administrator or user password, click the "**Password Edit**" icon. The password must be 8-16 characters and include at least two combinations of numbers, uppercase letters, lowercase letters, and special characters. Re-enter the new password for confirmation, save the new password, the system will require the user to enter the old password for authentication.



1. Select one of the users that are currently not enabled, click **Password Edit** icon.
2. Check "**Enable**" to enable the user.
3. Click Username to edit the user name.
4. Click on the area next to the Password to enter the desired password.
5. Click the area next to the Confirm to reenter the password.

Click **OK**, user will need to enter the administrator password for authentication.

Set sub-user permissions: Click  button to enter the Policy page, check the box corresponding to the function to open the permission of the sub user in this aspect. Click **All** to select all of the boxes, click "**Clear All**"to clear all of the boxes.

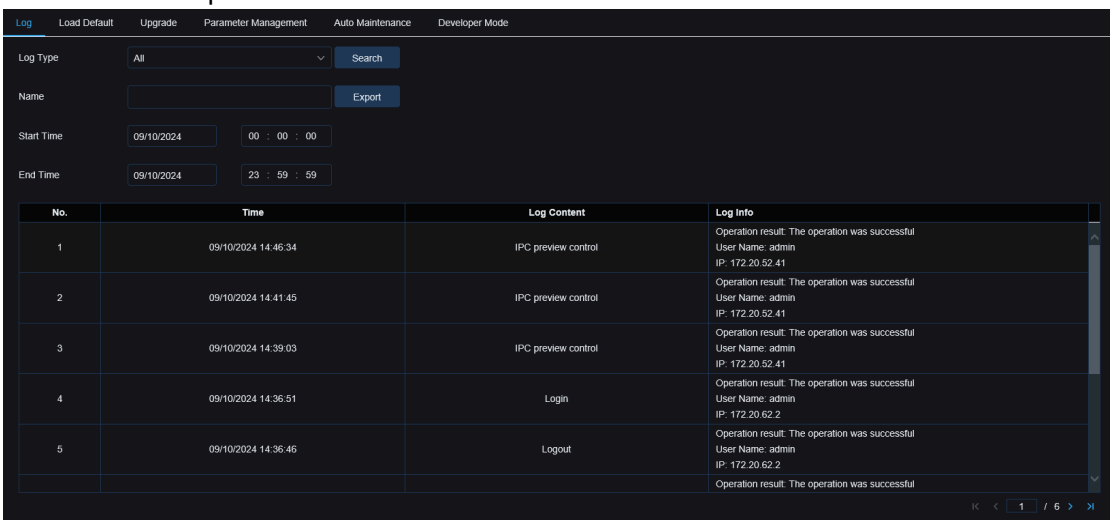


8.16 System Maintenance

In this menu, users can search and view system logs, restore factory settings, upgrade the system, export and import system parameters, configure automatic restart and enable developer mode.

8.16.1 Log Management

The system log displays important system events, such as motion alerts and system warnings. Users can easily import the backup files of the system log to the computer within a set time period.



Log Search and Backup:

Select the event type to search from the drop-down list next to Log Type, or select **All** to view the entire system log for the selected time period. Types include: System, Configuration, Alarm, Account, Recording, Storage and Network.

Choose the event type to search from the drop-down list next to Minor Type (if Log Type is **All**, this menu will not appear).

· **System:** System setting, restart, automatic restart, upgrade, time setting, and NTP timing.

· **Configuration:** PoE doorbell preview control, privacy area settings, recording mode settings, recording schedule settings, main stream settings, network settings, substream settings, email settings, color settings, motion detection settings, storage settings, multiple user settings, NTP settings, image control, RTSP Settings, system recovery settings, factory settings, export settings, import settings, deterrence settings, AI settings, settings DDNS settings, HTTPS settings, audio settings, alarm settings, system maintenance and cloud service settings.

· **Alarm:** Start of motion detection, end of motion detection, start of Pedestrian, end of Pedestrian, package delivery, removal of package, start of hovering detection and end of hovering detection.

· **Account:** Login, logout, lock and switching users.

· **Recording:** Search, playback, and backup.

· **Storage:** Format hard disk, hard disk full and hard disk error.

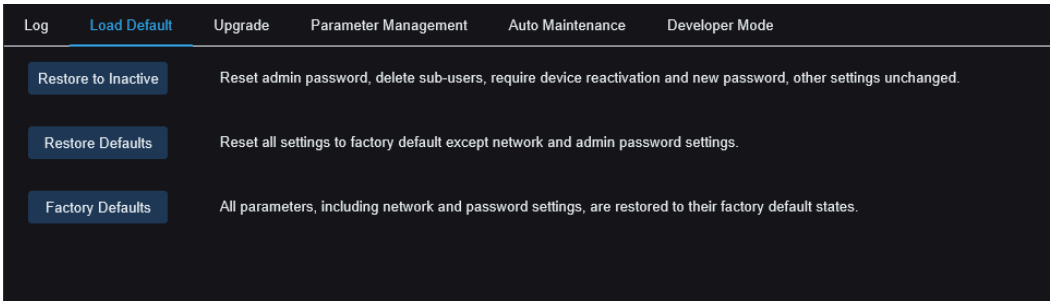
· **Network:** Network disconnection, network launch, network error and network mode change.

1. Select the event type to search from the drop-down list next to Minor Type (if Log Type selects ALL, no menu).

2. Enter the export file name in the area next to Name and click **Export** to create a backup of the system log.
3. Click the area next to the Start Time to select the start date and time of the search from the screen calendar.
4. Click the area next to the End Time to select the end date and time of the search from the screen calendar.
5. Click **Search** to search logs.
6. Browse the system log from the selected time period:
7. Switch between the |< pages < of > the >| system log events by using the / button in the lower right corner of the menu.

8.16.2 Load Default

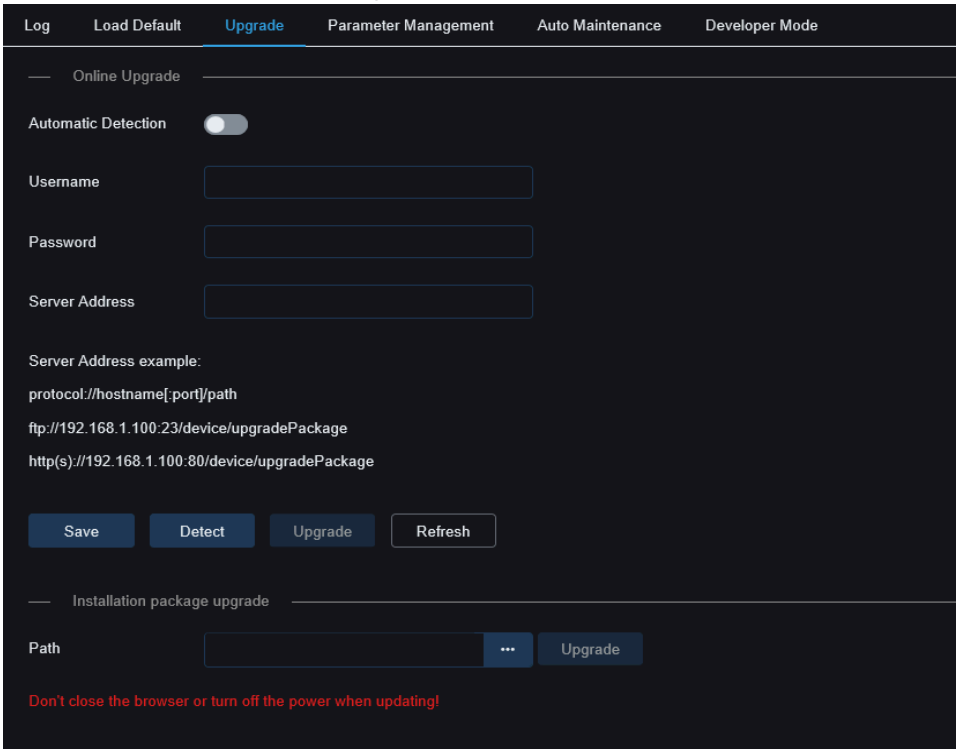
Users can select different reset methods on this page to restore the device's configuration parameters to factory settings. Restoring factory settings does not format TF card data.



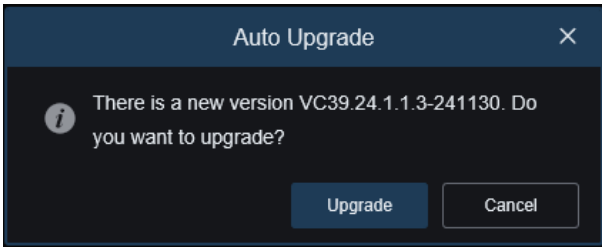
Restore to Inactive: Resets the administrator password, deletes all sub-users, and requires the camera to be reactivated, while other page parameter settings remain unchanged.
Restore Defaults: Resets all page parameters to factory settings except network and administrator password.
Factory Defaults: Resets all camera parameters to factory settings.

8.16.3 System Upgrade

This menu allows firmware upgrades for the device.



Automatic Detection: Enable automatic detection of online upgrade files.
Username: Server username.
Password: Server password.
Server Address: Enter the online upgrade address (HTTP upgrade does not require username and password).
Save: Click this button to save the current settings.
Detect: After uploading the upgrade file and setting the upgrade path, click Detect to manually detect online upgrade files. A prompt will appear when a new version is detected.



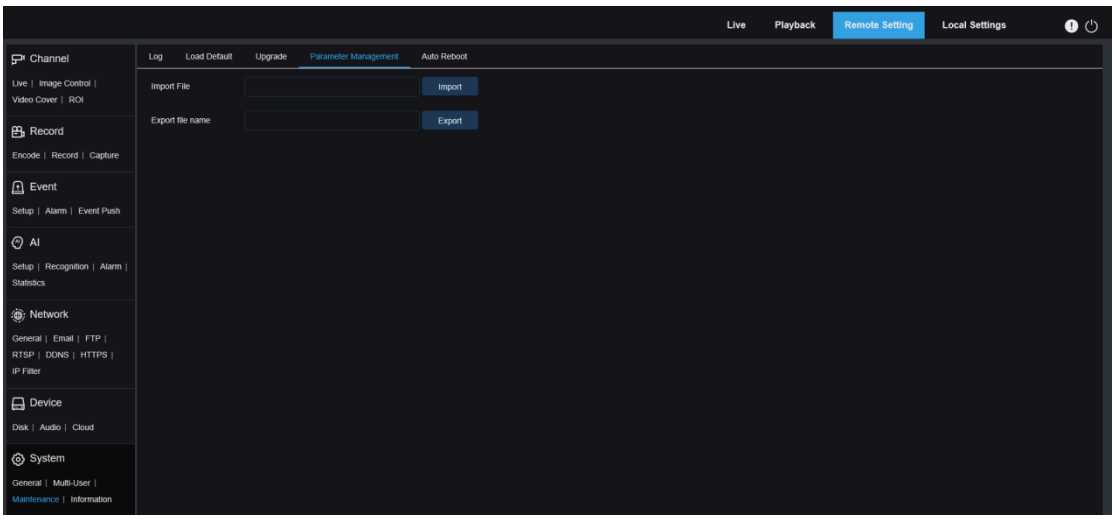
Upgrade: Click this button to start the system upgrade.
Place the firmware file (.sw file) on the computer hard drive.

Click **...** on the edge of Path to select the firmware file in the computer.

Click **Upgrade** button to start the system upgrade. The system upgrade will last about 2 to 3 minutes, please do not power off the device or IE during the firmware upgrade.

8.16.4 Parameter Management

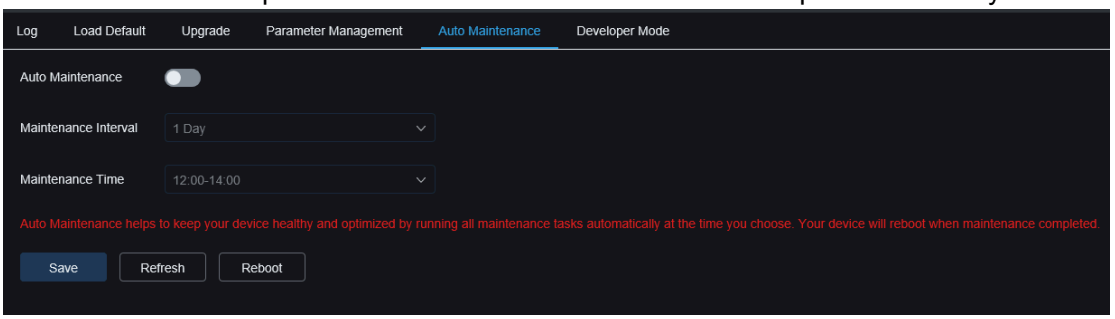
Users can export the configured main menu parameters to a computer and import exported settings files from a computer to the device.



Import File: Click the box, select the parameter file, and click Import to start importing parameters.
Export File Name: Click the box, enter file name. Click **Export** to export parameters.

8.16.5 Automatic Maintenance

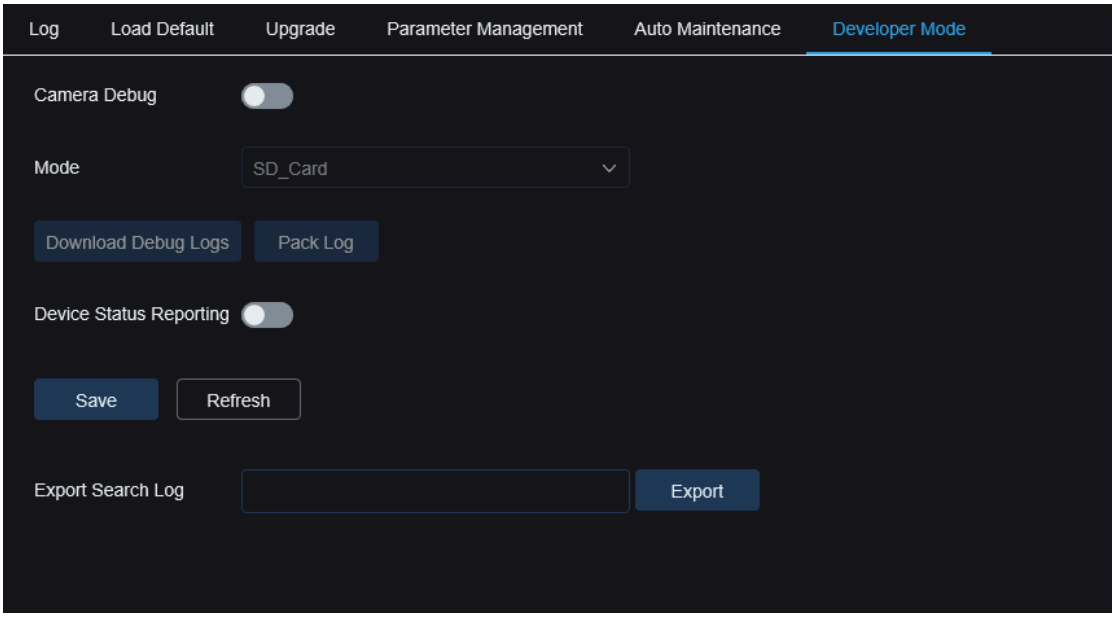
Users can set the system to restart automatically at regular intervals in this menu. It is recommended to keep this function enabled to maintain device operation stability.



Auto Maintenance: Enable or disable automatic maintenance function.
Maintenance Interval: Set the automatic maintenance cycle for the camera.
Maintenance Time: Set the automatic maintenance period for the camera (**Note:** The device will restart at a random time within this period).

8.16.6 Developer Mode

This menu allows enabling developer mode, facilitating developers to collect and record device debugging log information.

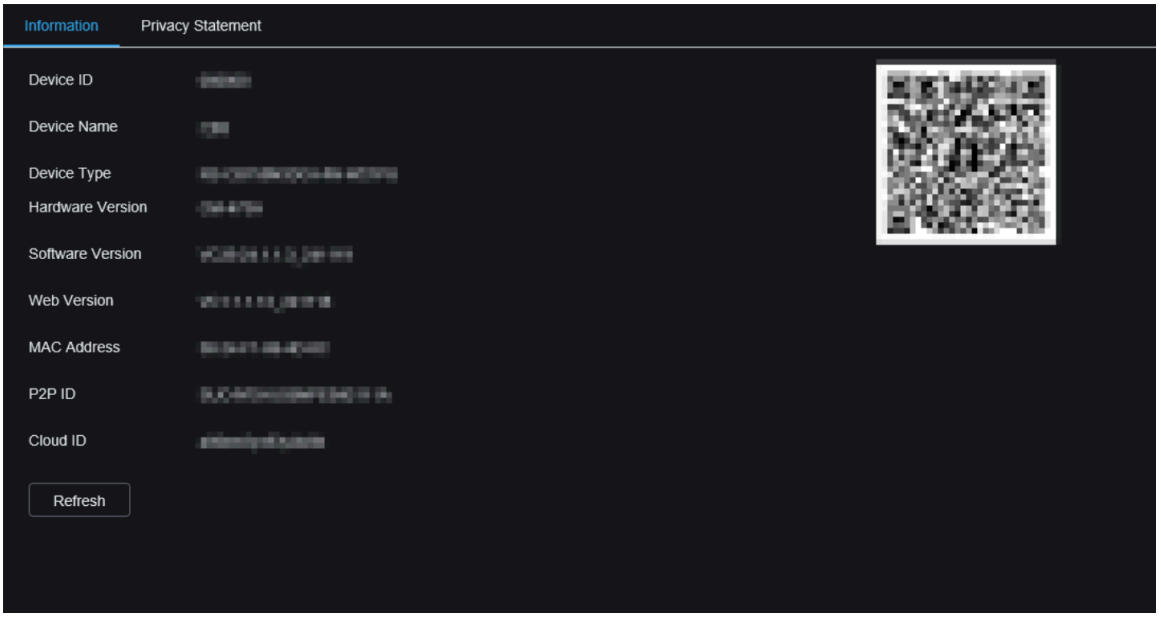


Camera Debug: Tick to enable.
Mode: Select the method for collecting and recording debugging information, with options of NVR, SD_Card and FTP.
Download Debug Logs: Export debugging information. Select SD_Card mode, click this button, enter the correct password, and the device will export debugging information to the local computer.
Pack Log: Pack logs. Select NVR or FTP mode, click this button, and the device will upload packed log information to the FTP server.
Device Status Reporting: Enable this function to upload the device's storage status, channel status, and device information to the P2P server.
Export Search Log: Export search logs. Enter the file name for exporting logs, click the export button, and all log files stored on the device will be exported to the local computer.

8.17 System Information

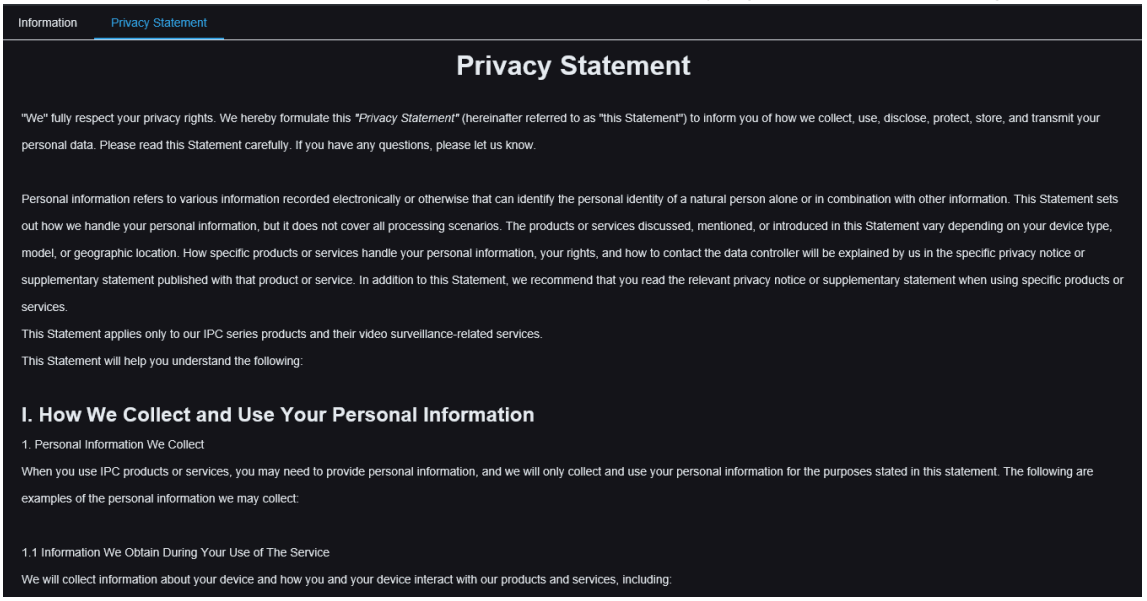
8.17.1 Information

This menu allows users to view system information, such as device ID, device model name, MAC address, firmware version, etc.


Information
Privacy Statement
Device ID
Device Name
Device Type
Hardware Version
Software Version
Web Version
MAC Address
P2P ID
Cloud ID
Refresh

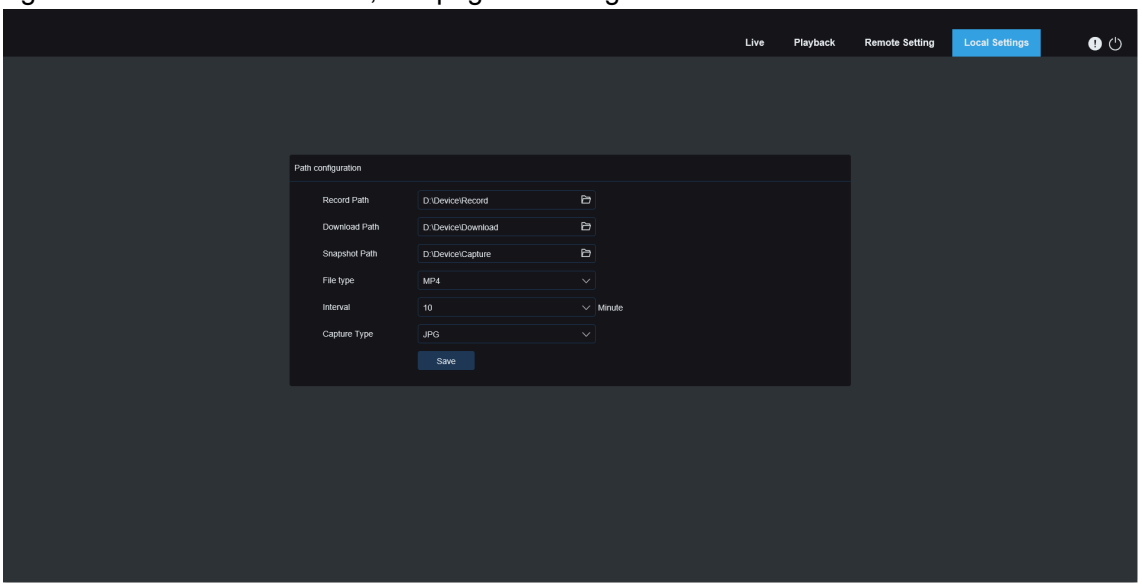
8.17.2 Privacy Statement

Users can view the specific content of the device's privacy agreement on this page.



Chapter 9 Local Settings

This menu allows setting the save path for recording, download, and screenshot files, as well as the format for recording and screenshots.
Note: Supports plugin-free programs. When using browsers such as Safari 12 and higher version, Chrome 57 and higher version, Firefox 52 and higher version, Edge 41 and higher version for web access, this page can be ignored.



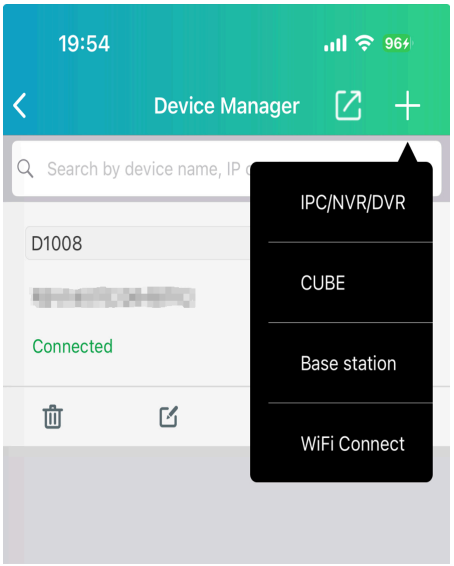
Chapter10 Adding PoE doorbell via APP

There are two methods to add a PoE doorbell using the APP: Wired direct connection and Wi-Fi connection.

10.1 Smart Guardian APP connection

10.1.1 Direct connection of the network cable

If using wired connection, you can directly add PoE doorbell to APP via the QR code on the body. Steps are as follows.
(1) Enter APP "**+**" option and select **IPC/NVR/DVR** option.



(2) Scan the QR code on PoE doorbell body, fill in the correct username and password and directly add successfully.

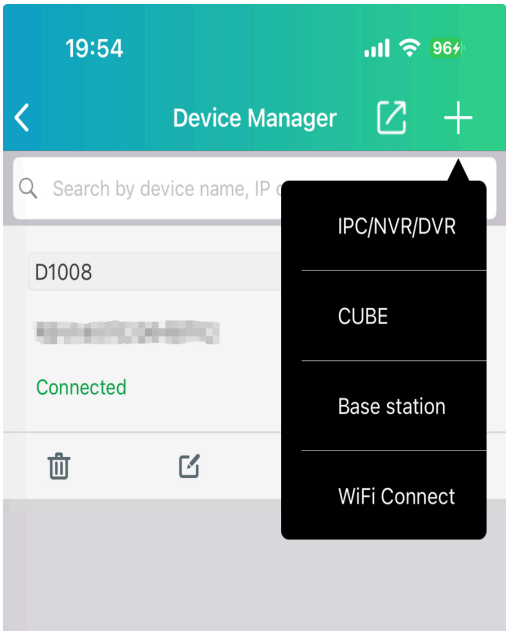
Note:
If the PoE doorbell device is not activated, it can be added without a password, but an activation password needs to be set in the Chapter 2 Device Connection.The PoE doorbell can be used normally after activation.

10.1.2 Wireless connection

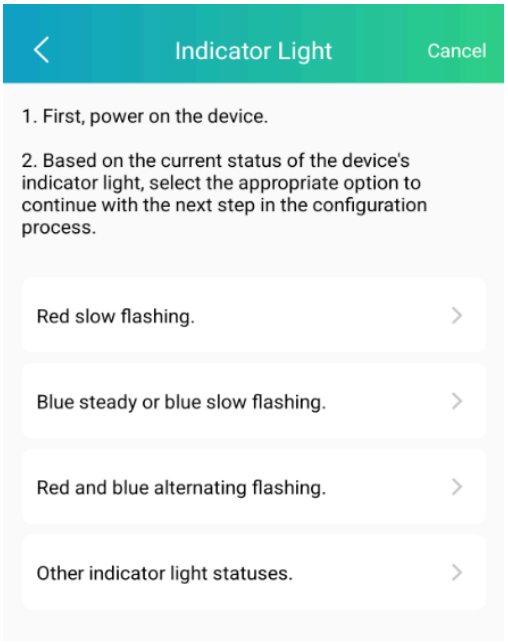
If not using wired direct connection, Wi-Fi can be used for connection. Steps are as follows.

10.1.2.1 Pending Network Configuration (Red Light Blinking Slowly)

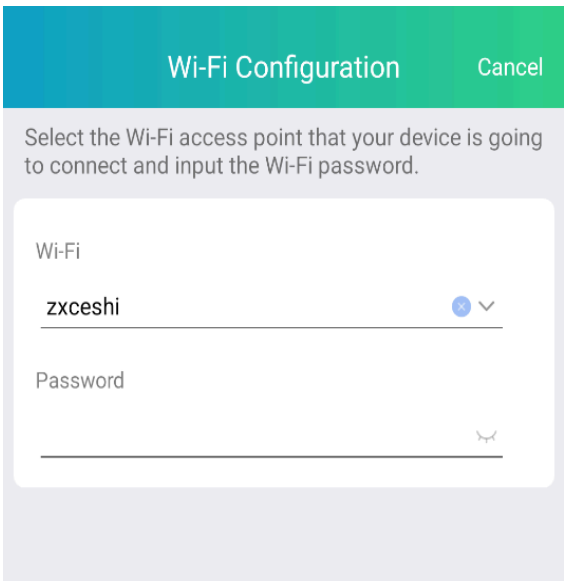
After the PoE doorbell is connected to the power supply, if the PoE doorbell LED indicator is in the red slow flash state, the PoE doorbell has no network configuration for the PoE doorbell. The operation is as follows.
(1) Enter APP "**+**" option, select **WiFi Connect** option, scan the QR code on PoE doorbell body.



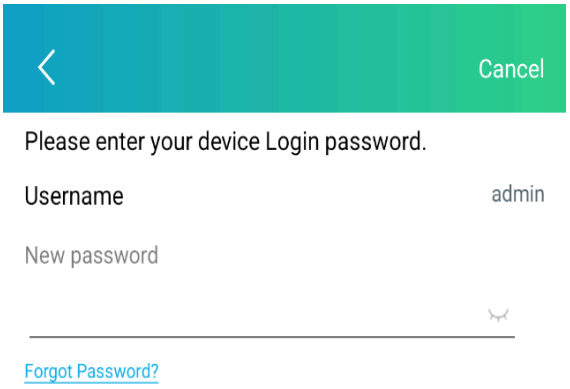
(2) Select Mechanical, Electronic chime or stand-alone usage (**Not installed**). Enter the indicator selection page, and select the red light according to the color of PoE doorbell indicator



(3) Connect PoE doorbell hotspot according to prompts and configure PoE doorbell network.

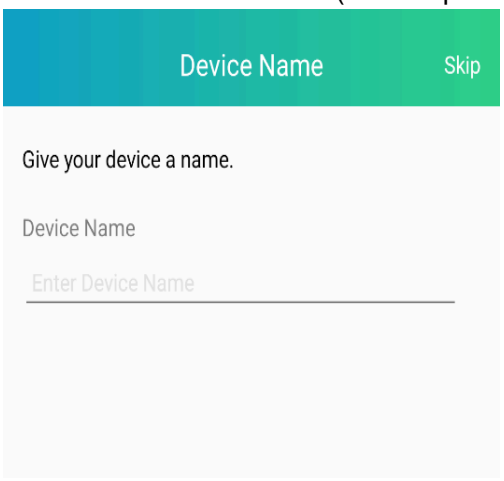


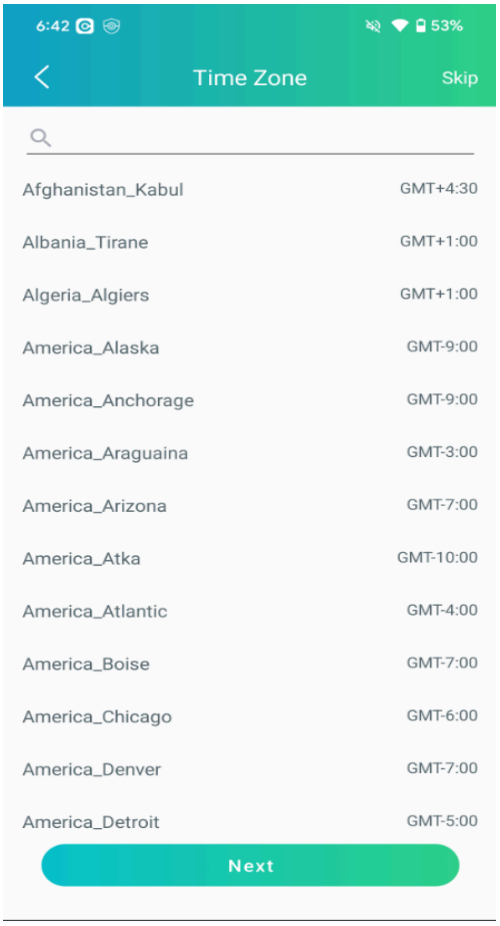
(4) Set the activation password or enter the device password.



(5) Enter the electronic chime presentation page (Only add the electronic chime, and the page will be added by mechanical bell and PoE doorbell alone. The electronic chime demonstration and pairing can refer to Chapter 11.2.2 Pairing PoE doorbell via App).

(6) Set the name and timezone (This step could be skipped).



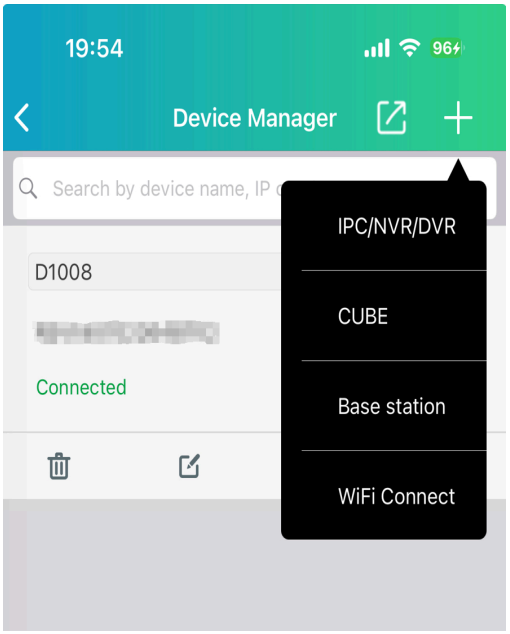


(7) Successful connection.

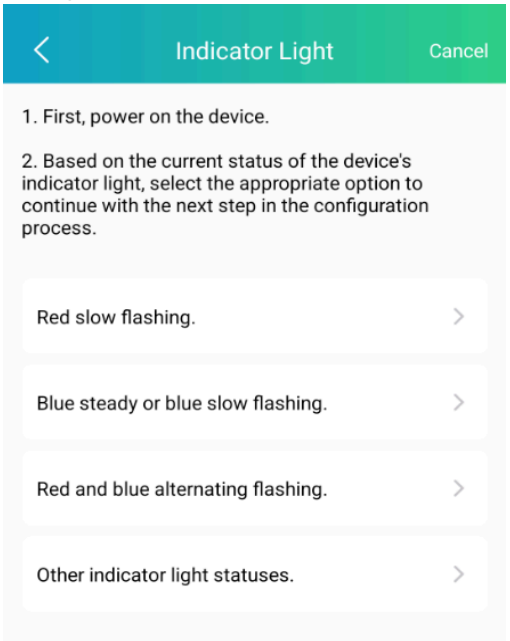
10.1.2.2 Already Configured Network (Blue Light Constantly On or Slowly Blinking)

If the PoE doorbell indicator light is blue and constantly on or slowly flashing, it means the PoE doorbell is already configured with a network and does not need reconfiguration. Follow these steps:

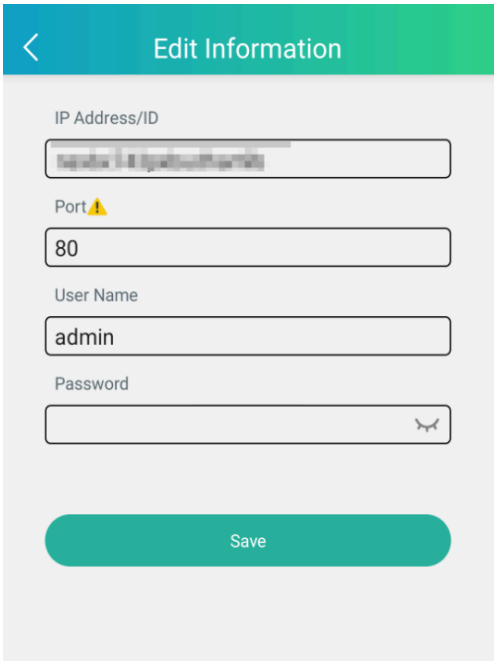
(1) Enter APP "+" option, select the WiFi Connect option, and scan the QR code of the PoE doorbell body.



(2) Select Mechanical, Electronic chime or stand-alone usage (Not installed), enter the indicator selection page, and select the blue constant light or blue slow flashing mode according to the color of the PoE doorbell indicator.



(3) Enter the user name and password.

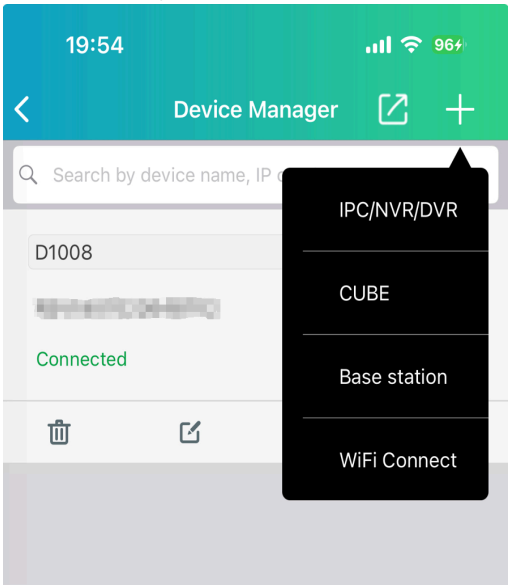


(4) Successful connection.

10.1.2.3 Network connection Failed (Red and Blue Lights Alternately Blinking)

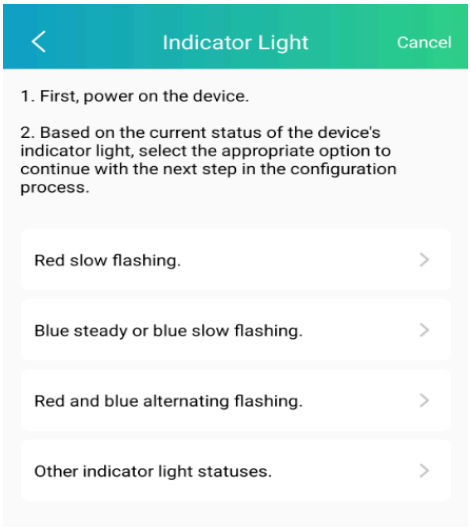
If the PoE doorbell indicator light is red and blue alternately flashing, it means the PoE doorbell is already configured with a network but the connection is unsuccessful. Follow these steps to reconfigure the network:

(1) Enter APP "+" option, select the WiFi Connect option and scan the QR code on the PoE doorbell body.

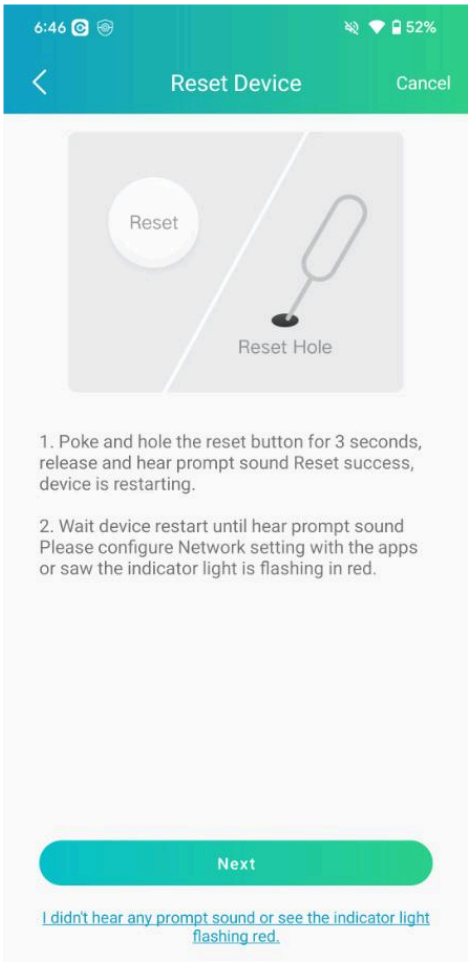


(2) Select Device Type: Choose between mechanical, electronic chime or stand-alone usage.

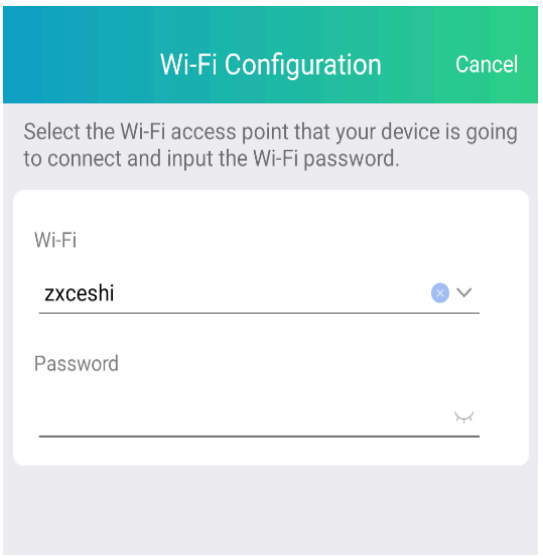
Enter the indicator light selection page and select the red and blue lights alternately flashing method to add doorbell.



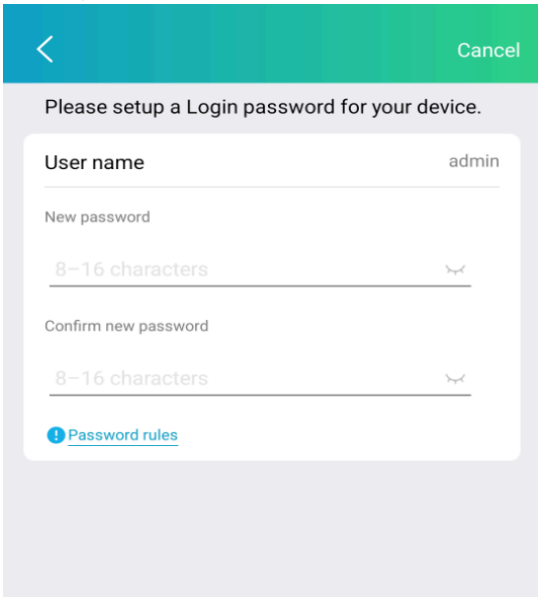
Follow the instructions to restore the PoE doorbell, and click **Next** after the PoE doorbell is restarted.



Connect the PoE doorbell hotspot, configure the WiFi information for the PoE doorbell and click **Next**.

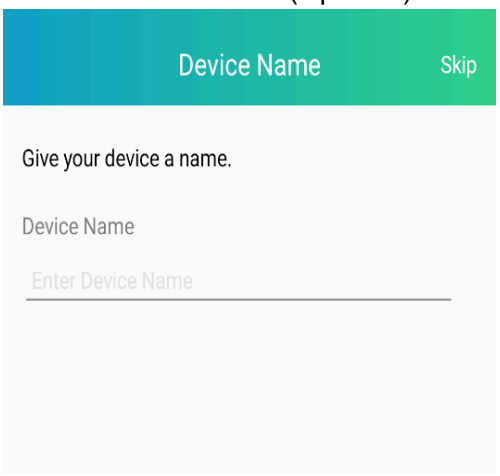


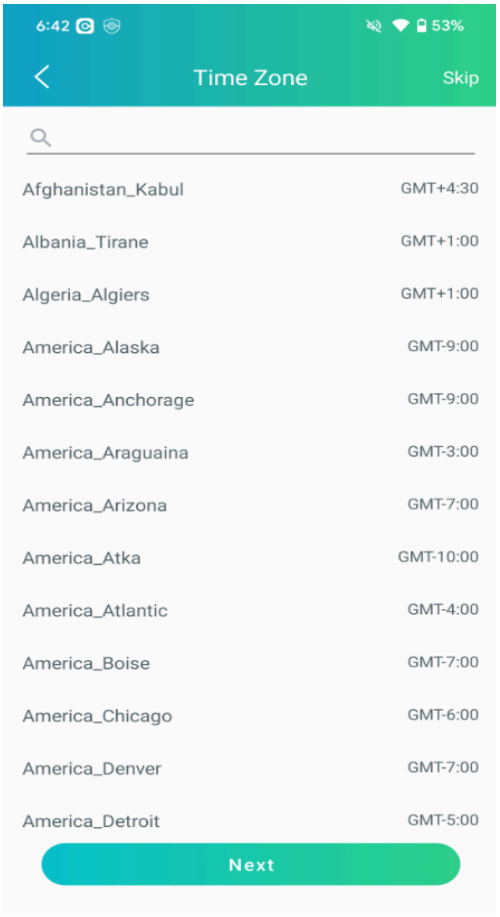
Set the activation password, click **Next** and wait for the PoE doorbell to activate successfully.



(6) Enter electronic chime demonstration page (Only for electronic chime addition) Follow the electronic chime demonstration and pairing steps (Refer to Chapter 11.2 Electronic Chime).

(7) Set name and timezone (Optional).



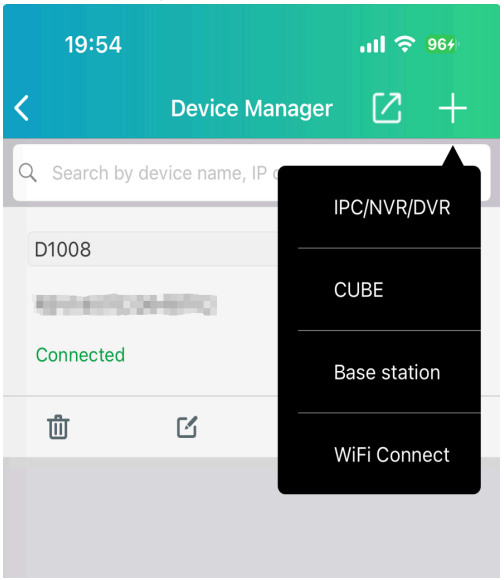


(8) Connection Successful.

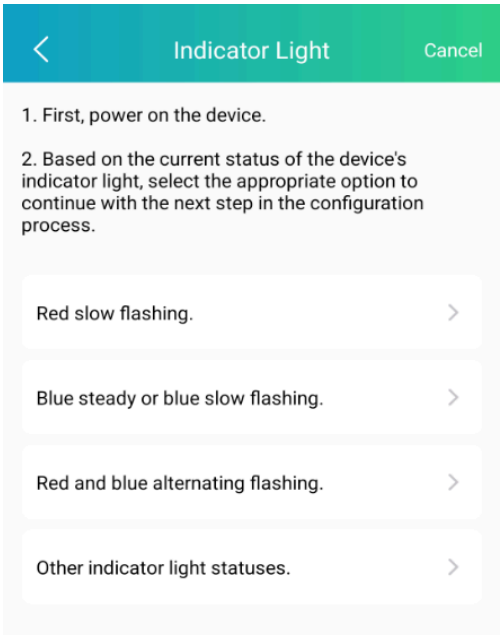
10.1.2.4 Other Indicator Lights

If the PoE doorbell indicator light displays any other status, you can click on the other indicator light option for further analysis.

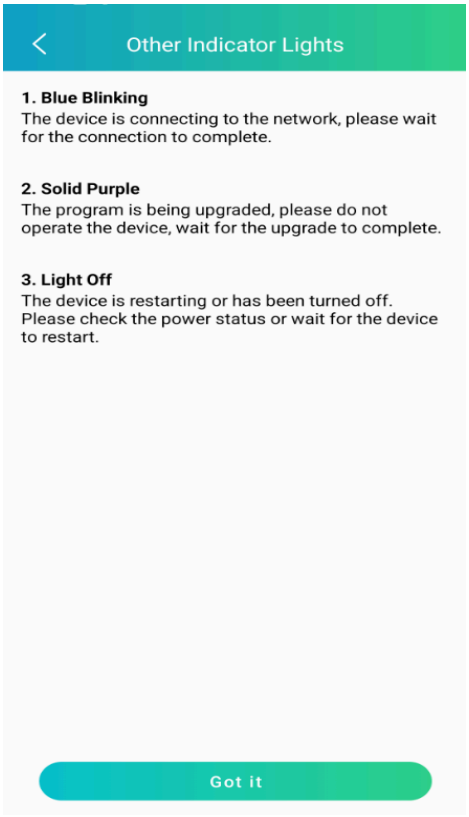
(1) Enter APP "+" option, select the WiFi Connect option and scan the QR code on the PoE doorbell body.



(2) Select Device Type: Choose between mechanical bell, electronic chime or standalone use. Enter the indicator selection page, and select other indicator status according to the color of PoE doorbell indicator.



You can view the condition of other indicator lights than the above.

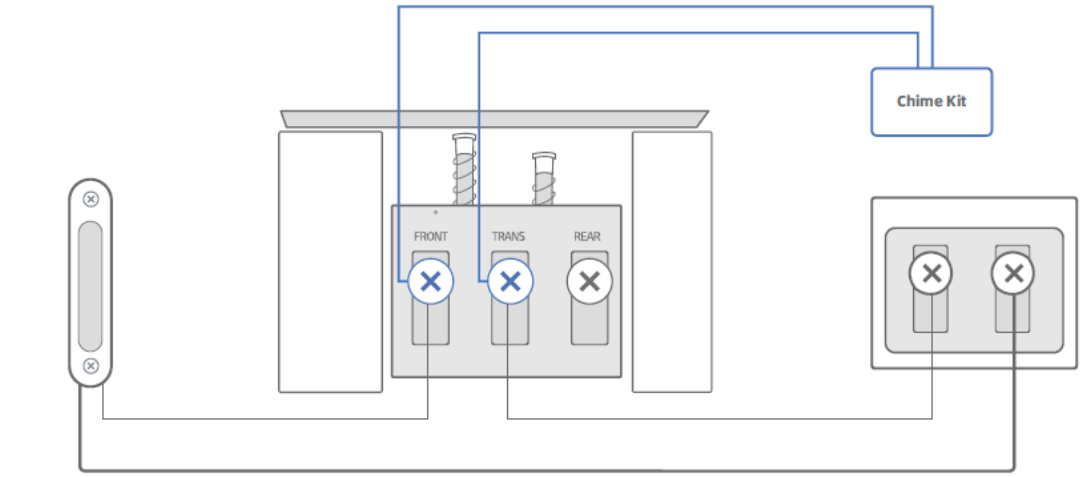


Chapter 11 Mechanical Chime and Electronic Chime

11.1 Mechanical Chime

The PoE Doorbell can be connected to a third-party mechanical chime. After successful connection, ringing the PoE Doorbell will activate both the mechanical chime and the PoE Doorbell simultaneously.

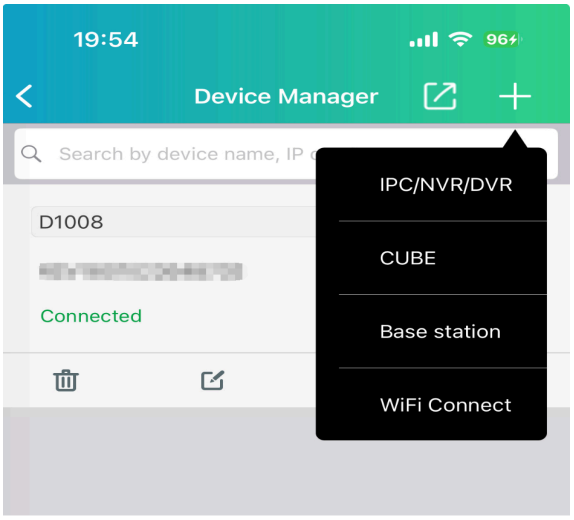
The connection mode is shown in the following figure.



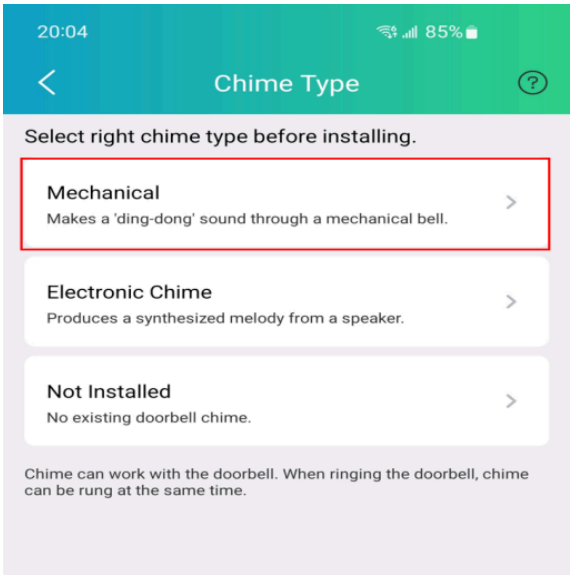
Chime Kit: Mechanical chime kit, when the ring of the mechanical bell is not short circuit, reduce the loss on the mechanical bell. When the bell rings, disconnect at high voltage to increase the impact force of the mechanical bell.
After the doorbell is connected with the mechanical bell, open the mechanical bell switch, otherwise the mechanical bell cannot be used normally. There are two ways to open it.

11.1.1 Enabling Mechanical Chime during PoE Doorbell Addition

During the addition of the PoE Doorbell to the app, select the mechanical chime method to enable the mechanical chime switch.
(1) Click Add Device button to select **WIFI Connect**, as shown in the below picture.



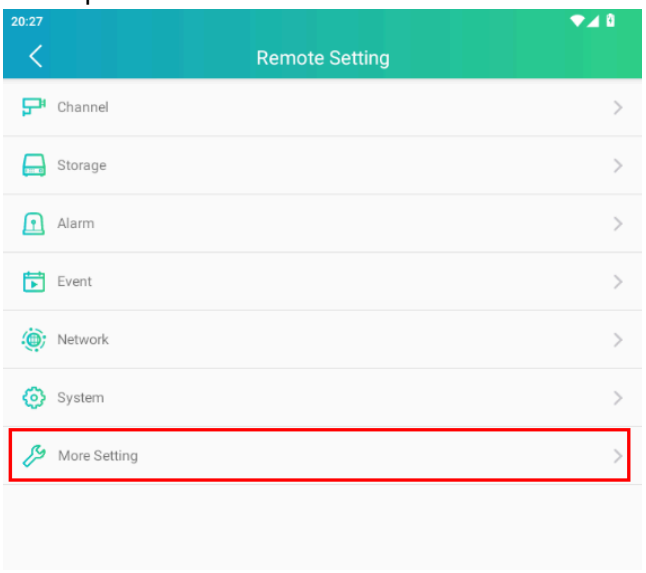
(2) Scan the QR code of PoE doorbell body, select **Mechanical** mode to add PoE doorbell, as shown in the below picture.



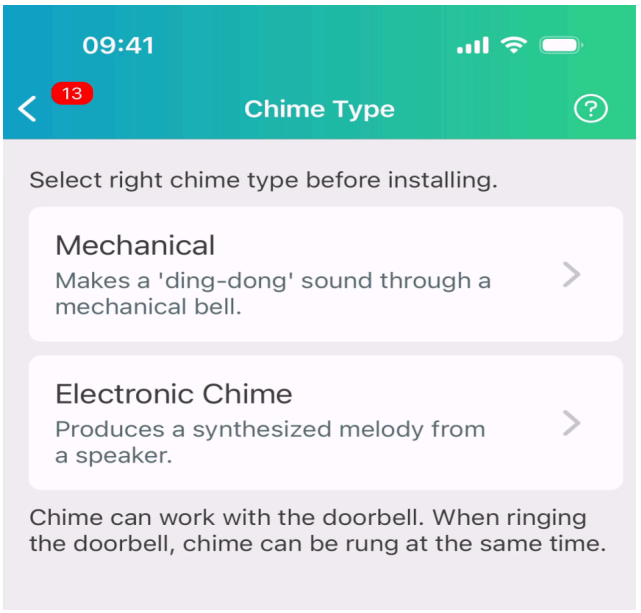
(3) After adding PoE doorbell correctly, mechanical chime switch is successfully enabled, when PoE doorbell is rang, the mechanical chime will respond normally.

11.1.2 Enabling Mechanical Chime via Remote Settings

In addition to opening the mechanical bell when connected, the Settings page can also open mechanical chime switch.
(1) Enter PoE doorbell remote setting page in APP, and select more Setting, as shown in the below picture.



Select **Mechanical**, then connect the mechanical chime and PoE doorbell according to the demonstration diagram, click **I have finished Installing**. The app will send a command to the doorbell to enable the mechanical chime connection switch.



11.2 Electronic Chime

Each PoE doorbell will be matched with an electronic chime, which connects the electronic chime to the power supply and places it in the appropriate position in the home. Under normal circumstances, the PoE doorbell will be pressed, and the electronic chime will respond in real time. It is convenient that users can also timely know that there are guests visiting at home.
Electronic chimes Overview:
The main functions of electronic chime contains Pairing/pending pair with the PoE Doorbell, volume adjustment, ringtone switching.
Key:

1 Pairing button: Pair / clear pairing, press 3s pairing, and clear all pairing information for 15s.

2 Volume button: Adjust the volume of the bell, a total of 4 levels, the bell will ring.
3 Music button: Switch the ring tone, and play the current ring tone once, there are 8 ring tones.

LED Blue Light:

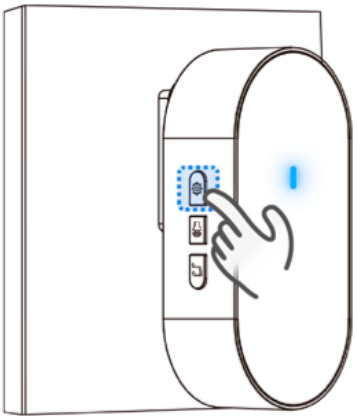
1 Indicates power-on / normal state (constantly on).
② Pairing mode (flashing rapidly).
③ Paired successfully (flashing slowly).
④ Unpaired (flashing very slowly).

PoE doorbell recovery will not unbind with the electronic chime by default, and the electronic chime removes the pairing information
One electronic chime can match up to 5 PoE doorbells, and one PoE doorbell pair has no limit on the number of electronic chimes

If the electronic chime does not respond after pressing the PoE doorbell, there are several ways to match the PoE doorbell with the electronic chime.

11.2.1 Manual pairing

If the PoE doorbell is not yet installed, pair the PoE doorbell with the electronic chime
(1) Connect the PoE doorbell and the electronic chime to the power supply, and wait for the PoE doorbell and the electronic chime to operate normally (the PoE doorbell light is blue (with network) or red flashing (without network), and the electronic chime light is blue)
(2) Press and hold the electronic chime pairing button for 3 seconds to make the electronic chime enter the pairing mode, as shown in the below picture.

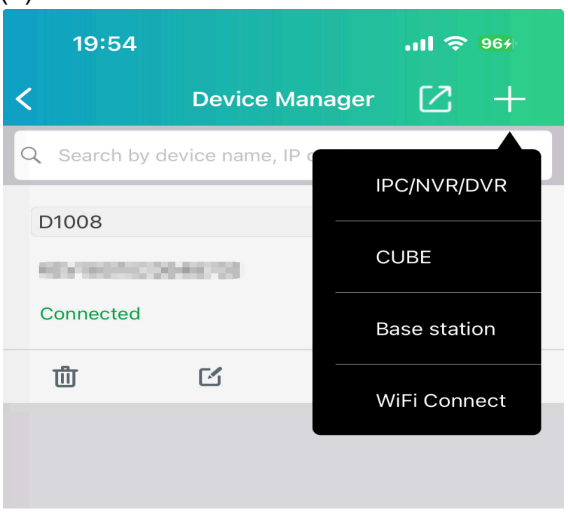


Quickly press the PoE doorbell to restore the default button 3 times (operation within 3 seconds), and the PoE doorbell indicator shows green rotation to enter the pairing mode successfully
The electronic chime rings bell. At this time, press the PoE doorbell, the electronic chime responds in time and the pairing is successful.

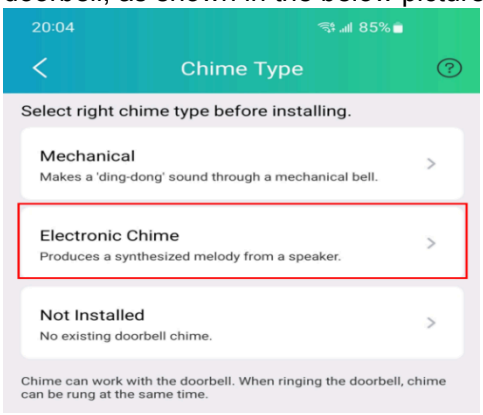
11.2.2 Pairing PoE doorbell via App

If PoE doorbell has been installed, select the electronic chime method during app addition and follow prompts to pair them if the electronic chime does not respond.

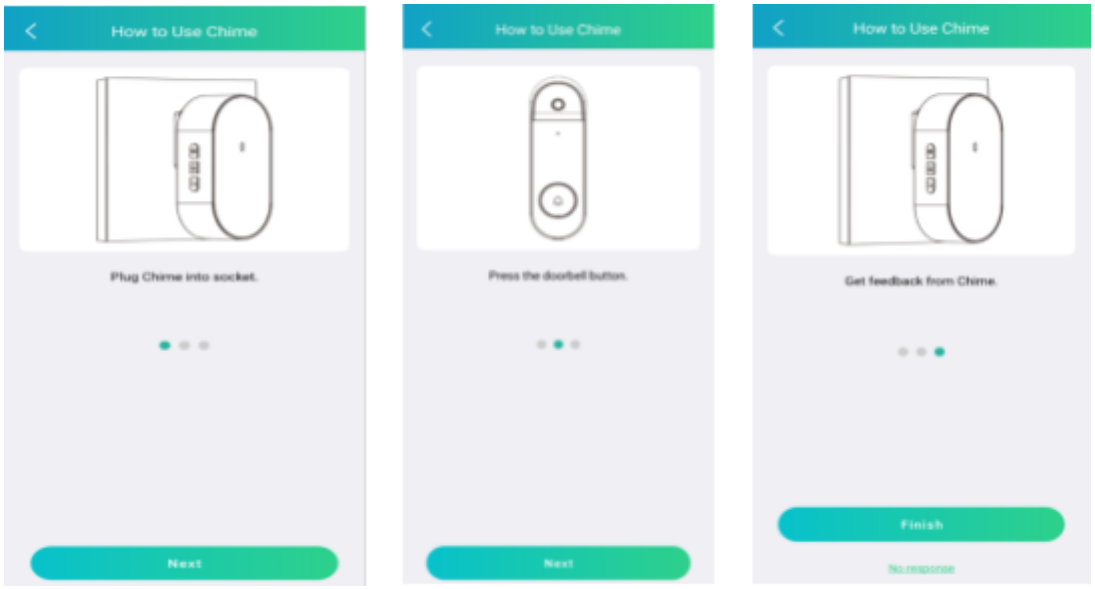
(1) Click Add Device button to select **WIFI Connect**, as shown in the below picture.



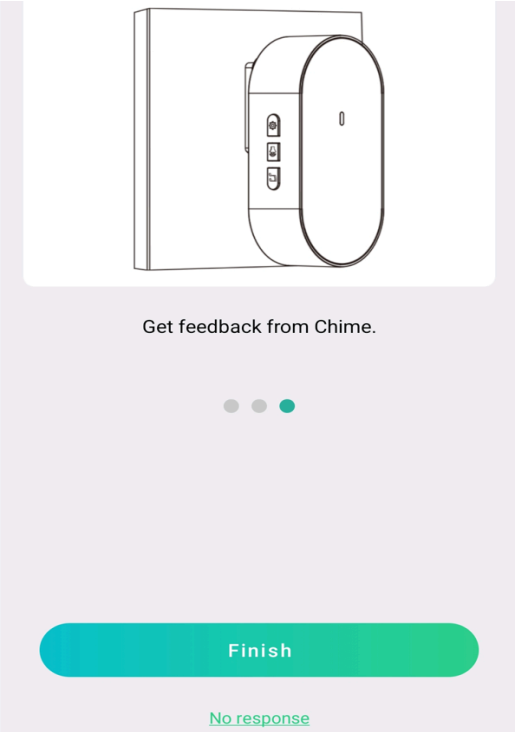
(2) Scan QR code of the PoE doorbell body, select **Electronic Chime** mode to add PoE doorbell, as shown in the below picture.



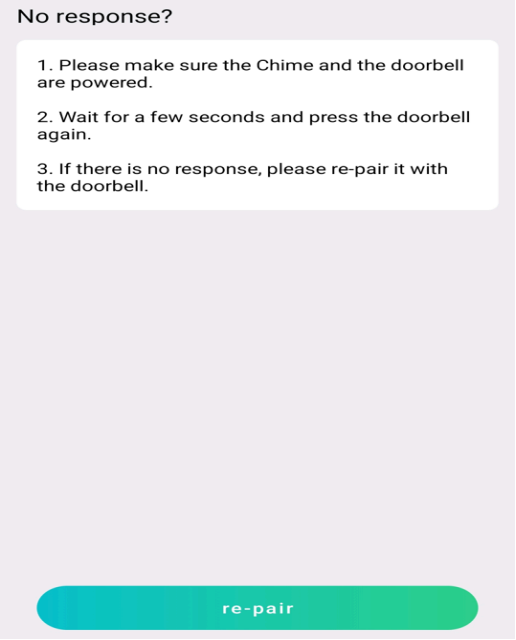
After configuring PoE doorbell with network and password, enter electronic chime demo page, connect electronic chime to the power supply, press the PoE doorbell, and check whether electronic chime responds.



If electronic chime does not respond after pressing the PoE doorbell, click **No response** button, as shown in the below picture.



(4) Click **re-pair**, as shown in the below picture.

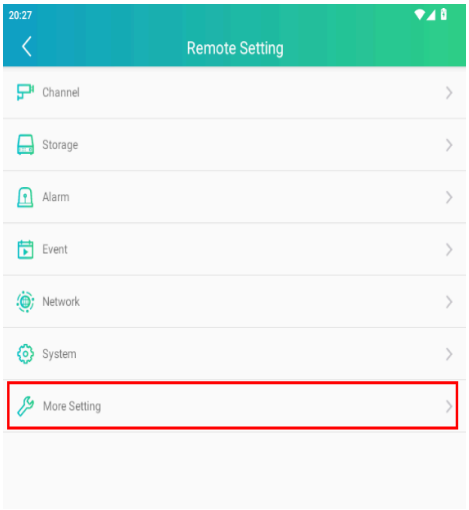


(5) Enter the pairing page, click **Next** step, hold down electronic chime pairing button for 3 seconds, and then click **Next**, as shown in the below picture.

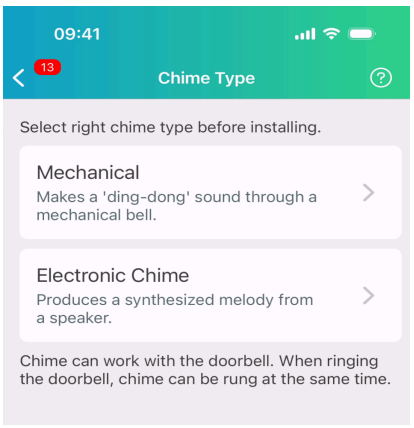
(6) If electronic chime responds normally after pressing the PoE doorbell, you can click the complete button. If the electronic chime does not respond after pressing the PoE doorbell, click **No response** button to pair again.

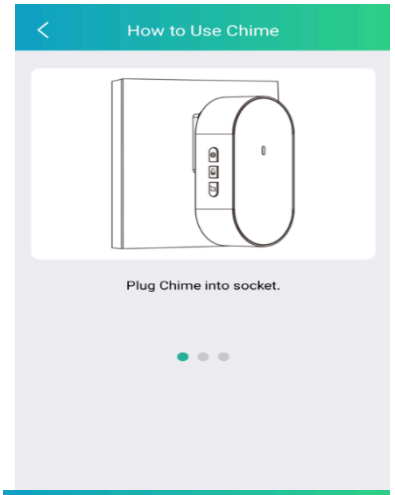
11.2.3 Pairing via Remote Settings Page

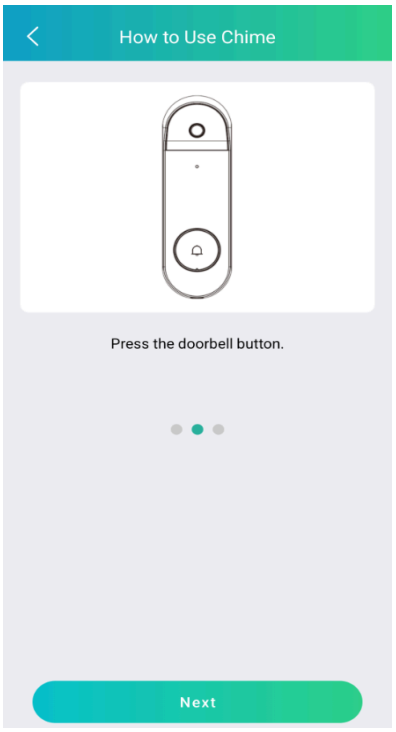
If the PoE doorbell has been added to the APP, the electronic chime does not respond after pressing PoE doorbell, and you can match PoE doorbell with the electronic chime to PoE doorbell remote setting page. The operation is as follows.
Enter the PoE doorbell remote settings page and click **More Setting**. As shown in the below picture.

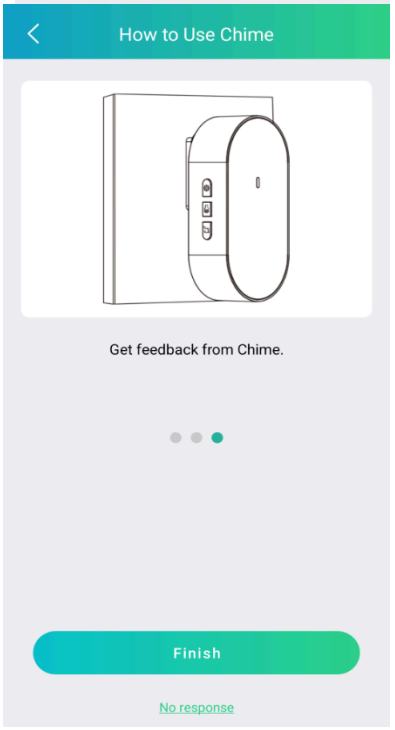


Click to expand the bell type, enter the bell type, select the electronic chime to enter the electronic chime use demonstration page, as shown in the below picture.

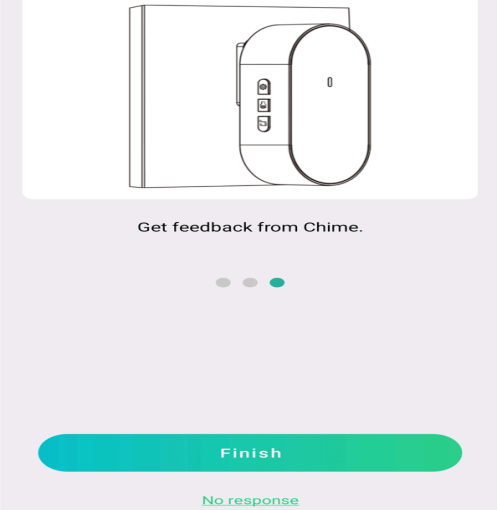

09:41
13
Chime Type
Select right chime type before installing.
Mechanical
Makes a 'ding-dong' sound through a mechanical bell.
Electronic Chime
Produces a synthesized melody from a speaker.
Chime can work with the doorbell. When ringing the doorbell, chime can be rung at the same time.


How to Use Chime
Plug Chime into socket.

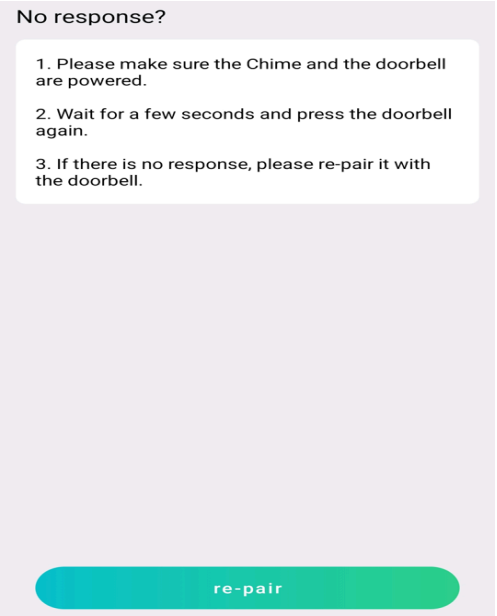

How to Use Chime
Press the doorbell button.
Next


How to Use Chime
Get feedback from Chime.
Finish
No response

According to the demonstration, if electronic chime does not respond after pressing the PoE doorbell, click **No response** button at the bottom of page, as shown in the below picture.



Click **re-pair** button, as shown in the below picture.



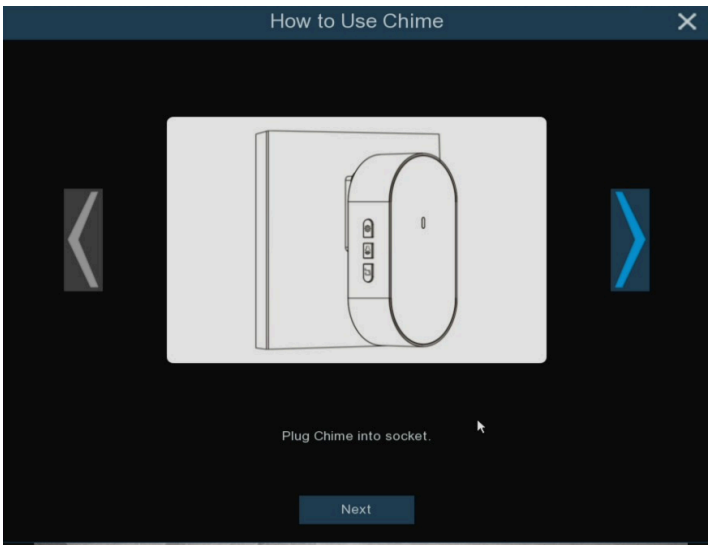
Press and hold the electronic chime matching button for 3 seconds and click **Next**, as shown in the below picture.

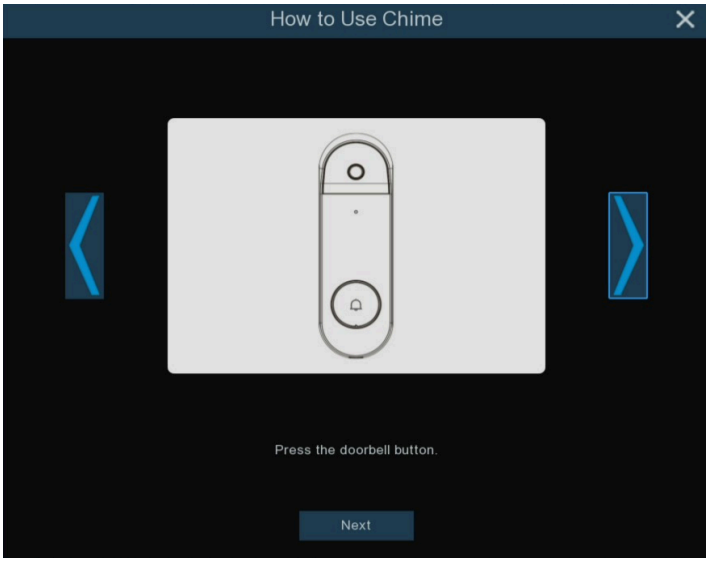
(6) If the electronic chime responds normally after pressing the PoE doorbell, click finished button to exit the pairing page. If the electronic chime does not respond after pressing the PoE doorbell, click **No response** button to pair again.

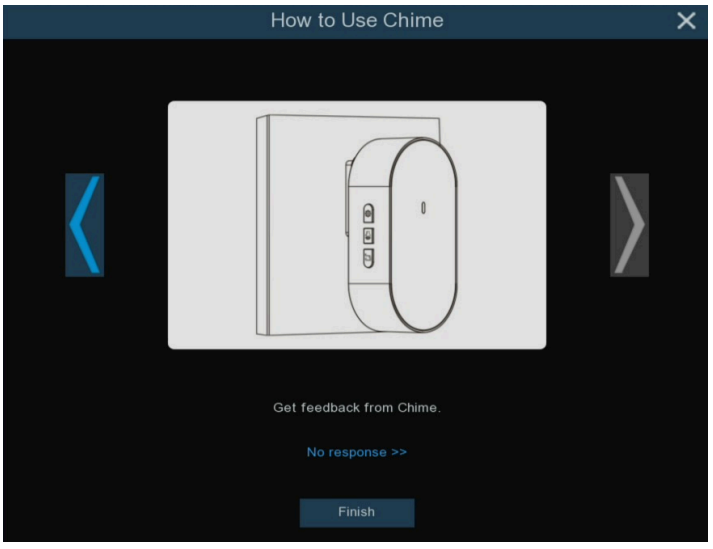
11.2.4 Pairing on NVR

If the PoE doorbell has been added to NVR, the electronic chime does not respond after pressing the PoE doorbell, you can match the PoE doorbell with the electronic chime on NVR preview page. The operation is as follows.
(1) Select PoE doorbell channel on NVR preview page
(2) Click to enter the electronic chime demonstration page, as shown in the below picture.

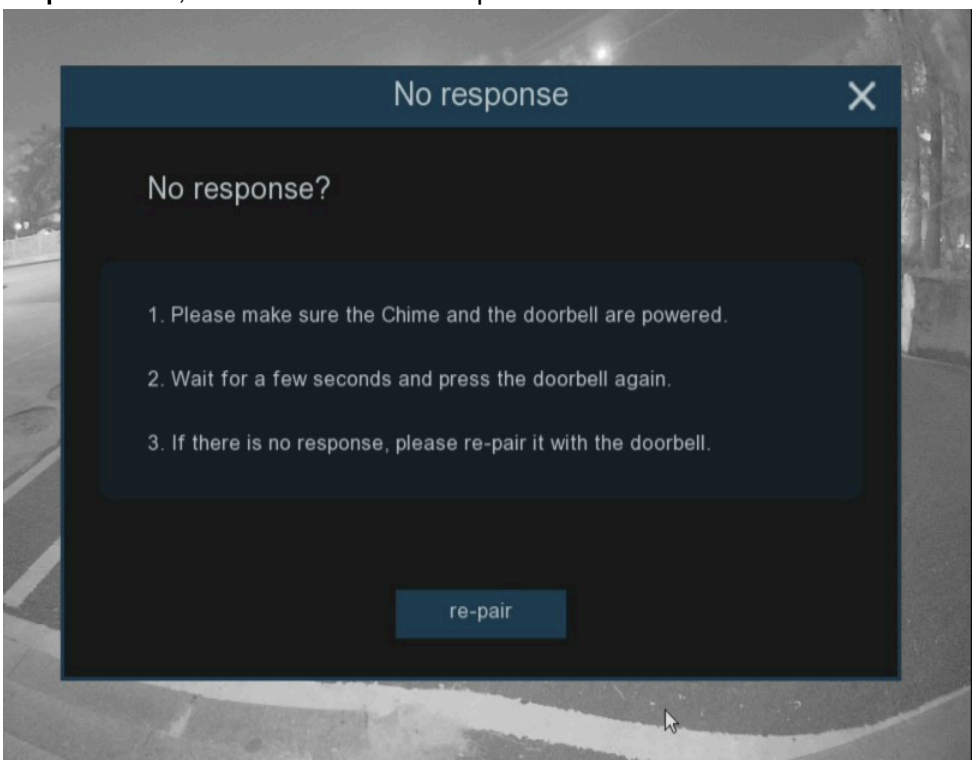
According to the demonstration, if electronic chime does not respond after pressing the PoE doorbell, there is **No response** button on the page, as shown in the below picture.


How to Use Chime
Plug Chime into socket.
Next

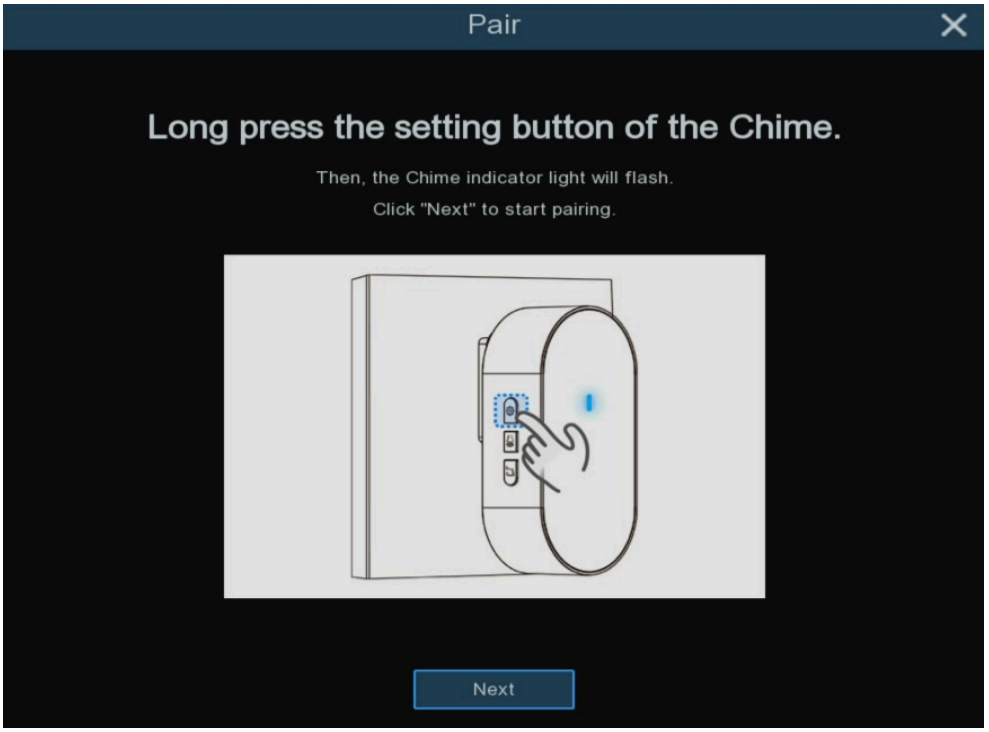

How to Use Chime
Press the doorbell button.
Next


How to Use Chime
Get feedback from Chime.
No response >>
Finish

Click **re-pair** button, as shown in the below picture.



Press and hold the electronic chime matching button for 3 seconds and click **Next**, as shown in the below picture.



(7) If electronic chime responds normally after pressing the PoE doorbell, click finish button to exit the pairing page. If electronic chime does not respond after pressing the PoE doorbell, you can click **No response** button to configure again.

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