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USER'S MANUAL

PAN TILT WIFI CAMERA SYSTEM

www.yeewise.com

Preface

Thank you for choosing Yeewise security & surveillance products! By purchasing a Yeewise product, you receive a one (1) year warranty covering manufacturing defects in material and workmanship.

This user manual is to introduce the operations of Yeewise PTZ WiFi camera systems in more details. If there is any other question which is not covered in this user manual, please contact Yeewise support at support@yeewise.com.

Statement

· Though we apply all efforts to make the manual complete and accurate, there could still be some discrepancies due to products' timely update.

· The products and manual are subject to change without previous notification.

· The content in this manual is only for users' reference. We don't promise it's exactly the same with the products you purchase. Detailed information is in accordance with the final products.

· The accessories and parts mentioned in this manual are only for product using guide purpose and not necessarily to be included in your purchased item.

Special Statement

Please comply with local laws and regulations when you use the surveillance devices.

About Default Settings

· The default username for NVR is admin (admin is the super administrator ID)
· The default password for account admin is empty, means no password.
· The default IPv4 address of NVR is: 192.168.1.114
· The default setting of NVR is to overwrite oldest recorded videos when hard drive is full.
· The device will start Setup Wizard by default when NVR is powered on.
· The default NVR resolution is 1280 x 1024.

THIS MANUAL WAS ACCURATE AT THE TIME IT WAS COMPLETED. DUE TO OUR ONGOING EFFORT TO CONSTANTLY IMPROVE OUR PRODUCTS, FUNCTIONS MAY HAVE BEEN ADDED OR CHANGED.

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Chapter 1: FCC Warnings

FCC Radiation Norm

FCC

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

FCC Compliance Statement

These limits are designed to provide reasonable protection against frequency interference in residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed or used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in television reception, which can be determined by turning the equipment off and on. The user is encouraged to try and correct the interference by one or more of the following measures:

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

CAUTION

The Federal Communications Commission warns the user that changes or modifications to the unit not expressly approved by the part responsible for compliance could void the user’s authority to operate the equipment.

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Chapter 2: Safety Instructions

- **Use the provided power adapter.**
  Do not use this product with a power source that applies more than the specified voltage.

- **Never insert metal into the NVR case or its openings.**
  Inserting metal into the NVR case may cause electric shock.

- **Do not operate in wet or dusty areas.**
  Avoid placing the NVR in areas such as a damp basement or dusty attic.

- **Do not expose the NVR to rain or use near water.**
  If the NVR accidentally gets wet, unplug it and contact technical support immediately.

- **Keep product surfaces clean and dry.**
  To clean the outside case of the NVR, use a lightly dampened cloth. Do not use cleaning solutions or solvents.

- **Do not install near any heat sources.**
  Do not install the NVR near any heat sources such as stoves, heat registers, radiators, or electronics (including amplifiers) that produce heat.

- **Unplug the NVR when moving it.**
  Make sure that the NVR is unplugged before you move it. When moving this device, be sure to handle it with care.

- **Make sure there is good air circulation around the NVR.**
  This NVR uses an internal hard drive, which generates heat during operation for video storage. Do not block vents on the NVR, as these vents reduce the generated heat while the system is running. Place this product in well-ventilated area.

- **Do not attempt to remove the top cover.**
  If you observe any abnormal operation, unplug the NVR immediately and contact technical support. Do not attempt to open the NVR to diagnose the cause of the problem.

- **Handle the NVR carefully.**
  If you drop the NVR on any hard surface, it may damage the device. If the NVR doesn’t work properly due to physical damage, contact an authorized dealer for repair.

- **It is recommended to use your NVR with an uninterruptible power supply (UPS).**
  Connecting your NVR and cameras to a UPS allows continuous operation even during power outages. The run-time duration will depend on the rating of the UPS used.

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Chapter 3: Product Overview

3.1 Introduction

This Yeewise network video recorder is our new generation of NVR. It supports wireless WiFi network video input, real time live view, video playback, and video backup. The NVR system can be widely used for surveillance of home, business, office, villa, etc.

3.2 System Requirements

Please be sure that your PC/MAC® complies with the following specifications:

• PC Operating System: Windows® 7, Windows® 8/8.1 and Windows® 10

• PC Browser: IE® 8 and above

• MAC Operating System: MAC OS X® 10.7 and above

Please be sure that your mobile device complies with the following specifications:

• Android™: 4.0 and above

• iOS®: 7.1 and above

3.3 Package Contents

- 8CH HD Dual WiFi NVR with pre-installed 1TB Hard Drive
- 2x NVR Antennas
- 4x 3MP Pan Tilt WiFi Cameras
- Camera Antennas (1 per Camera)
- 12V 2A DC Power Adapter for NVR
- 12V 1A DC Power Adapters with 10ft Cable for Cameras (1 per Camera)
- 1 x RJ-45 Ethernet Cable
- 1x USB Mouse
- Mounting Screws
- Quick User Guide

3.4 Product Key Features

• **Auto-Pair, Plug and Play:** NVR and cameras are paired well in default, once you connect NVR to monitor/TV, plug them to power, you see cameras video on monitor/TV in minutes.

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• **Dual Wi-Fi:** The NVR has two Wi-Fi modules inside, one for connecting cameras and the other for connecting system to Internet. Cameras connect to NVR's own WiFi so they won't use your home network bandwidth. NVR supports connecting to Internet wirelessly over Wi-Fi.

• **AUTO Wi-Fi Relay:** The Yeewise auto WiFi relay tech uses cameras in middle as repeaters. When a camera is having weak wifi signal, NVR auto sets a close-by camera as Wi-Fi repeater, connect the camera with weak signal to this wifi repeater camera, then to NVR. This helps boosting the cameras' wifi range.

• **Works without Internet:** This system is standalone wireless camera system, it works good even without Internet. So, Internet is not needed to run this system up. Without Internet, you can live view, record, playback and backup videos. The only thing you can't do without Internet is remote access the cameras from mobile phones or computers.

• **Easy Remote Access:** This wireless camera system allows you to view, playback and control the cameras remotely from your iPhone, android phone, tablets, laptop, PC and MAC. Yeewise provides free mobile app for phone viewing and CMS for computer viewing.

• **Smart Motion Alerts:** Supports email alerts with snapshots and mobile push notifications when motion is detected.

• **Pan Tilt WiFi Cameras:** Rotate 180° horizontally and 65° vertically for wide-range area monitoring, being able to pan left and right, tilt up and down, these security cameras can nearly provide complete coverage. You can control the camera movements from PC, NVR and App.

• **Auto Tracking:** With auto tracking feature, this wireless pan tilt camera automatically tracks and follows the moving object when motion is detected. In addition, you can create several presets to quickly re-call specific positions.

• **Auto Color Night Vision:** These WiFi cameras are equipped with infrared LEDs, providing B/W video, and additional floodlights for full color night vision. You can choose the lighting mode(Infrared, Full Color, Intelligent) in the NVR and app. With Intelligent mode, the cameras use IR LEDs and turn on floodlights automatically in the event of an intrusion providing the color shot of the intruder and additional deterrent effect on intruders.

• **Auto Floodlights & Siren:** The floodlights and siren alarm can be set to automatically turn on when moving objects detected in the darkness, to scare unwanted intruders away. These security cameras will deliver color night vision videos at night when floodlights are on, this helps you to obtain more detailed evidence. Alarm siren can be set to triggered automatically when activity occurs or manually via the app.

• **Two-way Audio:** A built-in speaker & microphone let you enjoy fast and convenient communication with your family or pets when you work or travel outside.

• **Multiple Recording Modes:** Supports manual, continuous, time-scheduled, and motion detection recording.

• **Pre-recording:** Start recording 10 seconds before motion is detected. See the whole event from beginning to end.

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• **Video backup with USB:** Backup important videos by plugging a USB flash drive into the USB port of the NVR. Video files are exported in a standard AVI format and can be played with common video players such as VLC.

• **VGA and HDMI Video Outputs:** Supports connecting to any standalone VGA or HDMI monitor, or TV.

• **All Functions One Click Away:** This WiFi kit is packed with features yet easy to use and configure with the on-screen menu. All operations can be done with the supplied mouse. You can WATCH the live video of all cameras on the screen and CONTROL them to rotate. You can CHOOSE among several display modes and ZOOM IN by dragging the mouse. The OSD menu allows you to CONFIGURE all NVR options and PLAY BACK the recorded videos, searching by date and time.

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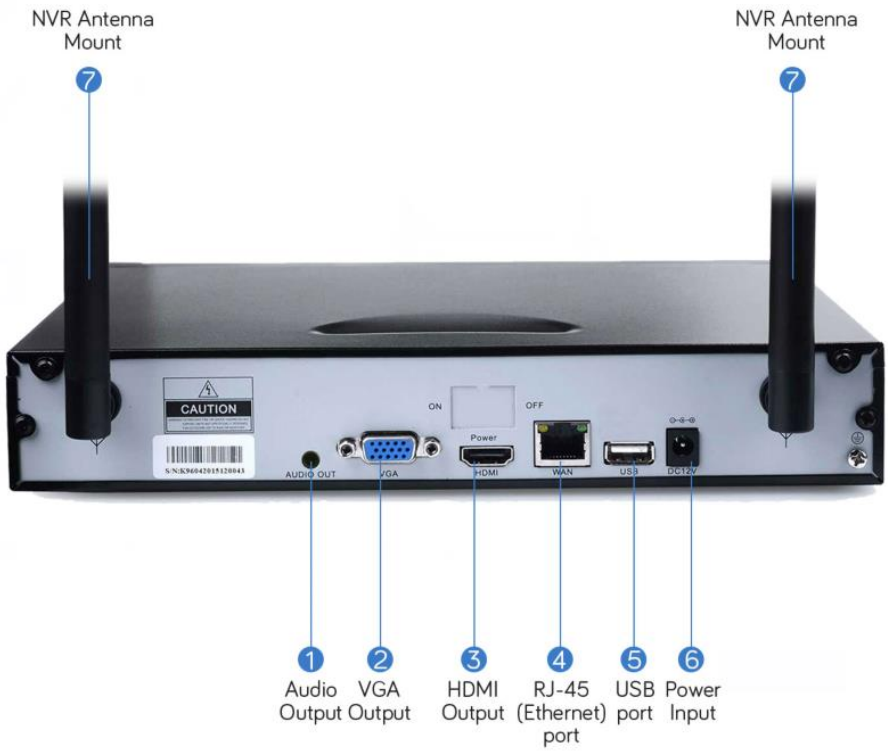
Chapter 4: Operation Instructions

4.1 NVR Diagram

Front View

1. **Power Indicator**
2. **HDD Status Indicator**
3. **System Breathing Indicator**



Rear View

1. **Audio Output –** Allows for the connection of an amplified speaker.

2. **VGA Video Output -** Connect the VGA cable from the VGA output port on the NVR to the VGA input port on your TV/Monitor. (VGA cable not included)

3. **HDMI Video Output -** Connect the HDMI cable from the HDMI output port on the NVR to the HDMI input port on your TV/Monitor. (HDMI cable not included)

4. **RJ-45 (Ethernet) Port –** Connect NVR to router with network cable for remote access (This NVR also supports connecting to router wirelessly over WiFi.). Pair add-on cameras to this NVR (You can also add new cameras to this NVR wirelessly).

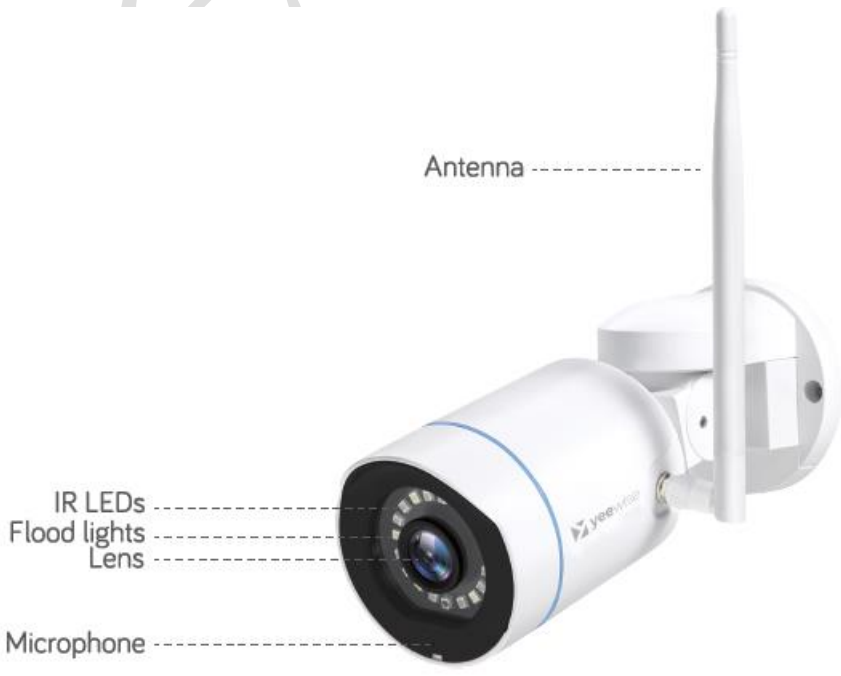
5. **USB Ports -** USB ports allow for the connection of a USB mouse and/or a USB flash drive. You will connect the included USB mouse to assist you in navigating the NVR's menu interface. You will connect a USB flash drive to download video files from the NVR for long term storage or sharing.

6. **Power Input -** Power input is used to connect the included 12V DC power supply.

7. **NVR Antenna Mount -** For installation of two included NVR antennas.

NOTE: The maximum number of cameras you can connect to your wireless NVR will be determined by the number of channels.

4.2 Camera Diagram



1. **Infrared LEDs:** Camera sees up to 80ft at night.
2. **Floodlights:** Camera delivers color night vision when floodlights are on.
3. **Lens:** Different lens gives you different viewing angle.
4. **Microphone & Speaker**: Hear the voice and speak to the person in front of the camera.
5. **Lens**: 3MP High Definition
6. **Antenna:** Receives WiFi signals from NVR.
7. **Pan Tilt Joint Structure:** Control the camera to move left and right, up and down.
8. **Ethernet Port:** Pair camera to NVR while needed.
9. **Reset:** Long press to reset the camera.
10. **12V DC In:** Power on the camera using included power adapter.

NOTE: Connect all cameras locally before final placement to ensure that all components function properly.

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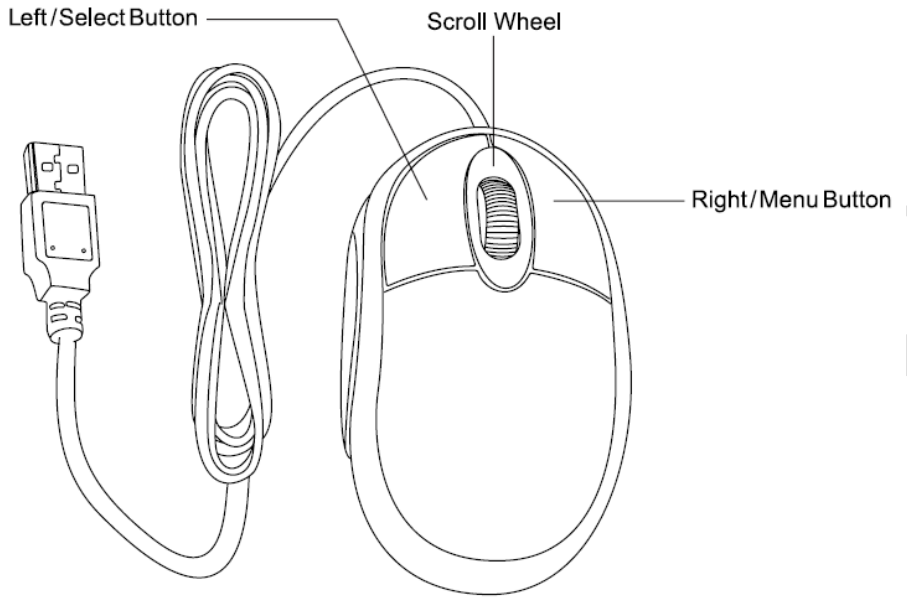
4.3 Mouse Operation



Live Viewing:
Double-click the left button on any camera view in split-screen mode to bring it to full screen display.
Double-click again to return to split-screen mode.

Click the left button on any camera view in split-screen mode to show the channel toolbar menu. Right-click to hide the icons.

Right-click to show the NVR main menu.
Right-clicking again will hide the NVR main menu.

In Setting:
Left-click to make a selection.
Right-click to cancel setting or return to previous screen.

To Enter Values:
Move the cursor to a blank field and click the mouse. A virtual keyboard will appear which supports numbers, letters, and symbols. The Shift function will access symbols in addition to upper case letters.

4.4 Input Method

Name	Buttons	Function
Number	0~9	Type in number 0~9
Character	a ~ z	Type in letters a ~ z
Symbols	- / . _ * # @	Type in symbols
Caps	caps	Switch capital and small letter
Back space	←	Delete the character ahead of cursor

4.5 Frequently Used Buttons

OK		Save the setting and exit this window (Save and Exit).
Cancel		Cancel the setting.
Apply		Save the setting and stay at the window (Save and Continue).
Copy to		Allow you to copy similar settings to multiple channels.

Preview

Chapter 5: Installation & Connection

5.1 Installation Precautions

Please refer to below tips while install and use the device:

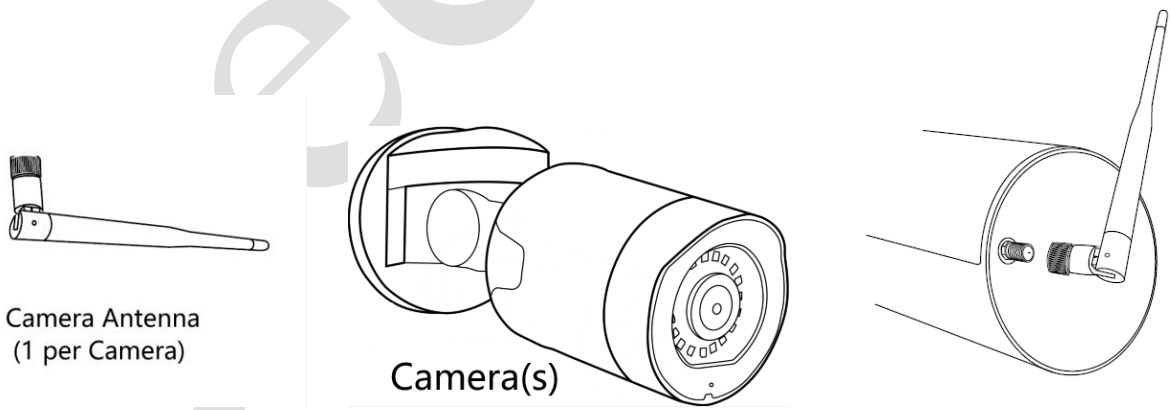
1. To extend the life of the device, please keep the device away from water, high temperature, and dust. Use it in a well-ventilated place.
2. Please use SATA hard drive, USB devices and mouse purchased from authentic channels.
3. Before use, please ensure the NVR has correct ground connection. Power source should not exceed the indicated normal working voltage range in the specs sheet.
4. Do not place near high voltage wires or other sources of electrical interference. Electrical interference will degrade the quality of the signal.

5.2 Camera Installation

5.2.1 Power on the cameras

NOTE: Connect all cameras locally before final placement to ensure that all components function properly.

1. Locate the antenna included with each camera.



2. Fasten the antenna to the camera.
3. Locate the camera power adapter included and connect it to a surge protector, UPS or wall outlet.
4. Connect the camera power adapter to camera's power port.
5. Repeat for each camera.

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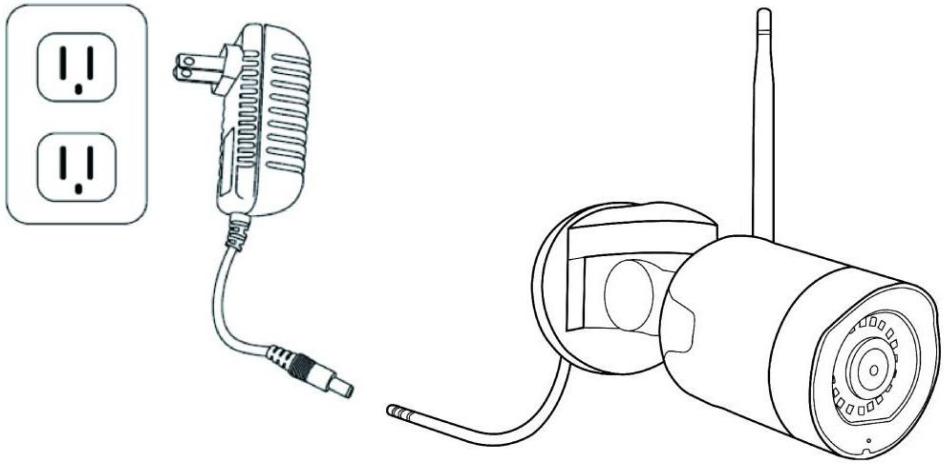


5.2.2 Mounting the cameras

- **Camera distance from NVR.**

Your wireless IP cameras will reach up to 3-400ft. wirelessly. Therefore, proper placement of the wireless NVR in your home will help ensure you achieve maximum coverage.

- **Do not place near high voltage wires or other sources of electrical interference.**

Electrical interference will degrade the quality of the signal.

- **Place camera out of reach to avoid vandalism.**

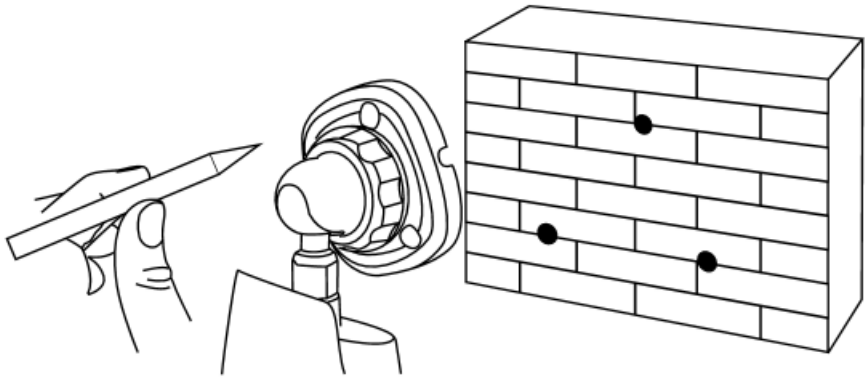
- **Avoid direct exposure to weather.**

Do not place the camera where rain or snow will hit the lens directly nor should the camera be placed so that the sun or bright light shines directly into the lens. Your camera is weatherproof, but it will not work when submerged in water. Ensure that all power and video connections are not directly exposed to water and are protected from the elements.

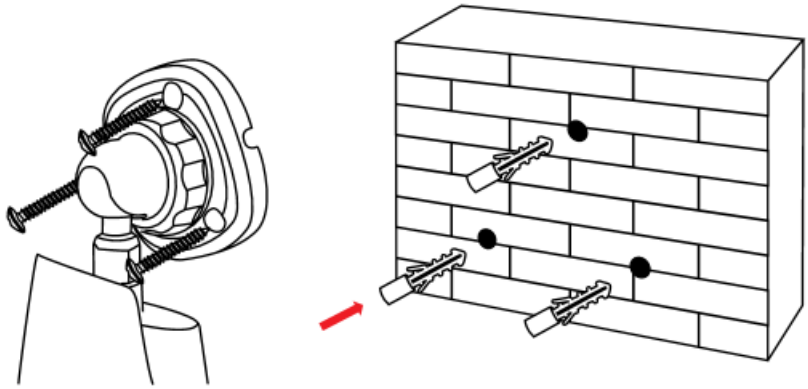
- **Mounting Surface.**

The mounting surface must hold at least four times the camera's total weight.

1. Locate a camera and choose a location where you would like to mount the camera.
2. Indicate screw positions by marking three holes on the surface where you plan to mount the camera, using the holes in the camera base as a guide.



3. Using a drill bit slightly smaller than the included screw anchors, drill into the mounting surface using the guide marks you placed in the previous step.
4. Insert the screw anchors.
5. Line up the camera base holes with the screw anchors. Holding the base in place, insert screws and tighten until secure.

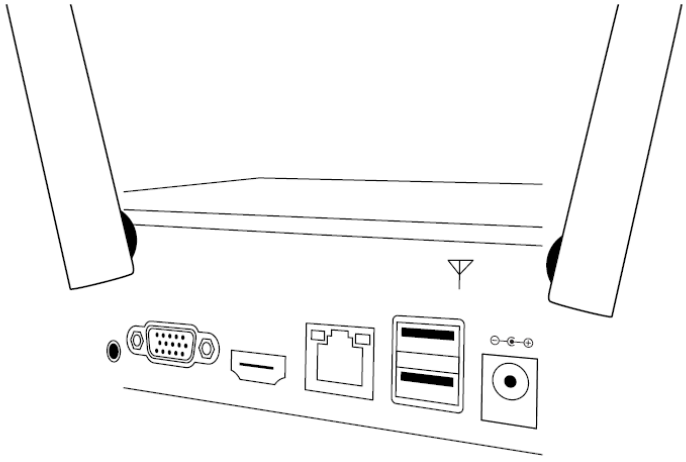


6. Once the base is screwed in place, make sure that the camera is securely mounted by placing gentle pressure on the mount.
7. Adjust the camera housing to point in the direction of the area you would like to monitor.

5.3 NVR Installation

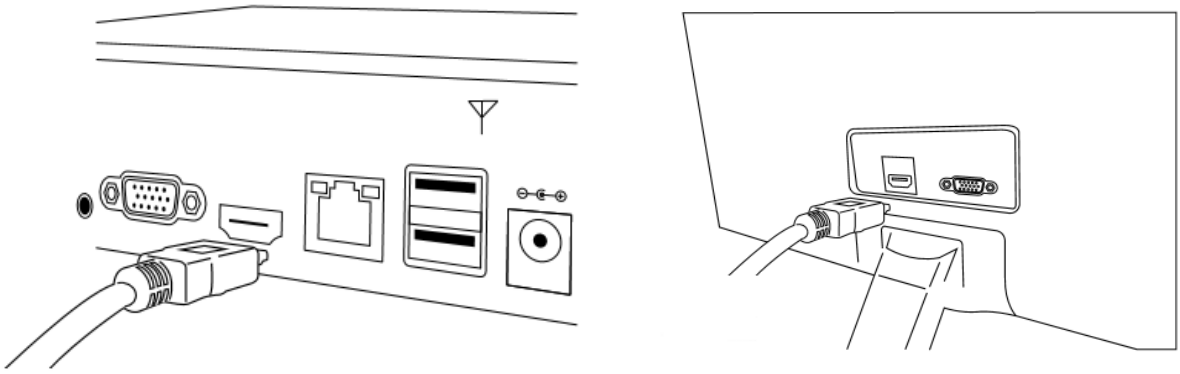
5.3.1 Connecting Your Wireless NVR

1. Connect the two included antennas to your wireless NVR. This will ensure you achieve the maximum wireless range for transmission from your wireless cameras.



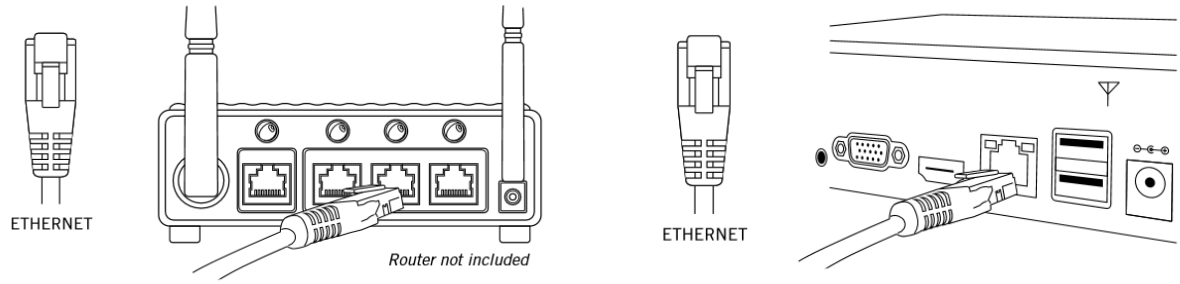
Install Antennas for NVR

2. Connect NVR to a standalone PC monitor or TV using VGA or HDMI cable (VGA & HDMI cable not included).



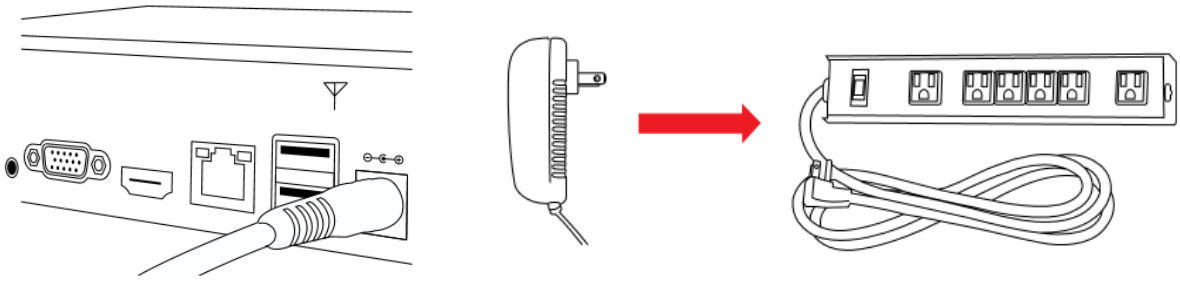
Connect NVR to monitor/TV

3. Plug one end of the included Ethernet cable into the WAN port on the back of the Wireless NVR.
4. Plug the other end of the Ethernet cable into a port on the back of your router.



Connect NVR to router for remote access

5. Connect the Wireless NVR to power using included 12V 3A DC power adapter.



Connect NVR to power

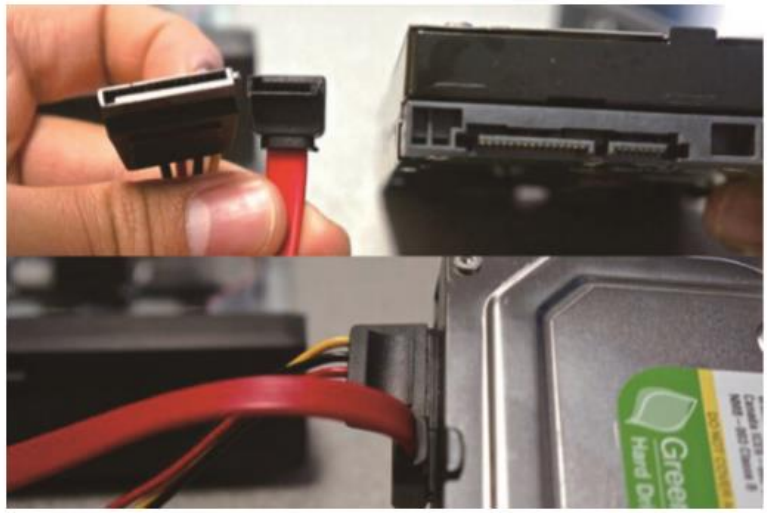
6. You should see each camera appear on your TV/Monitor. You may now proceed to install your Wireless NVR cameras in the desired location.

5.4 Install Hard Drive

You'll need to add a SATA HDD to the wireless NVR and format it to start recording.
If your system comes with hard drive pre-installed, then you only need to format the hard drive to start recording.

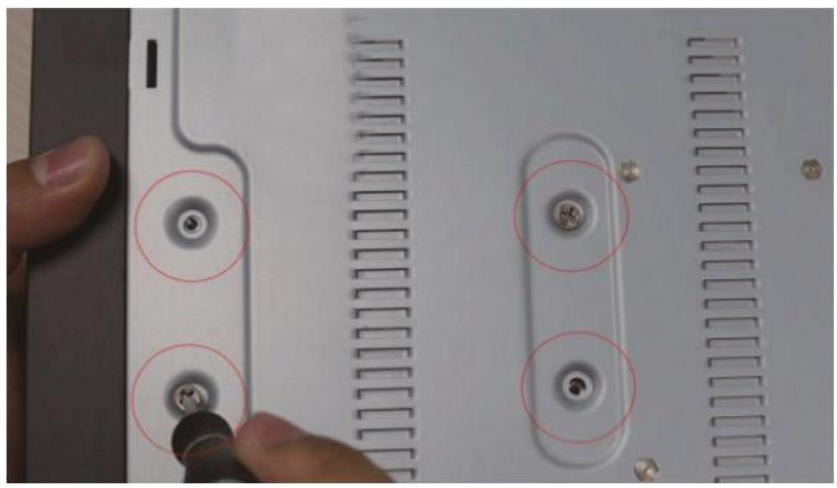
1. Unplug your wireless NVR from power, unscrew and remove the NVR top cover.

2. Connect the SATA power and data cables from NVR to the corresponding ports on your hard drive.



3. Place the hard drive into the NVR. Any cables should cross up over the HDD.

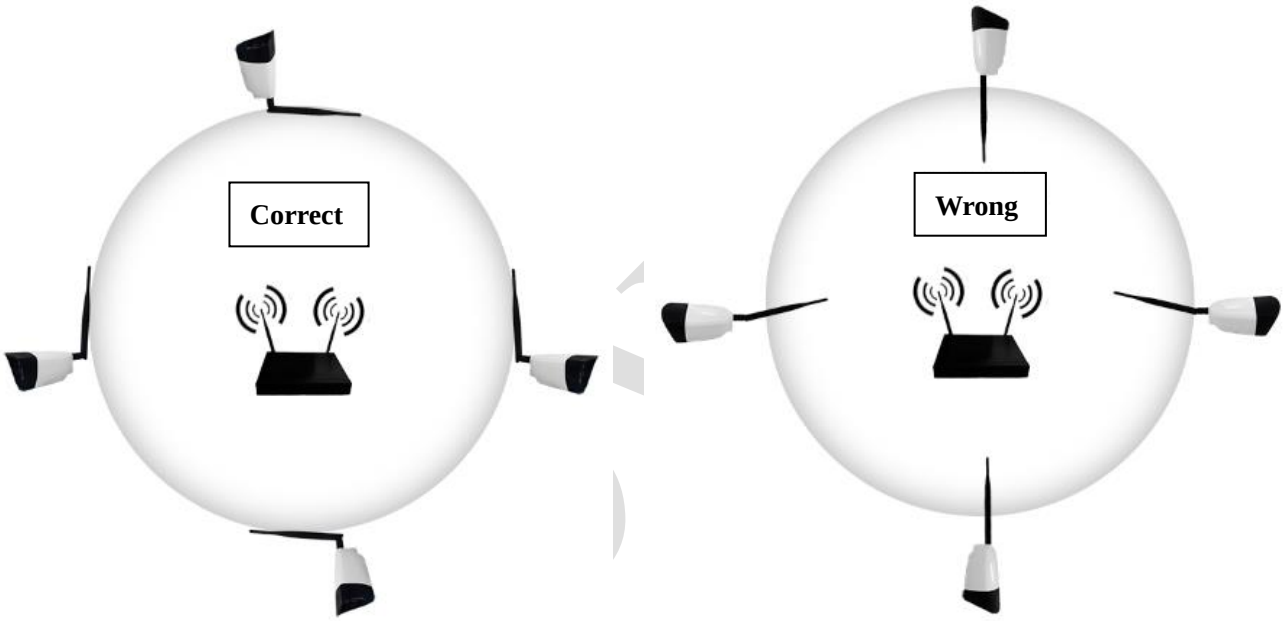
4. Holding the hard drive and NVR, gently turn it over and line up the holes on the hard drive with the holes on the NVR. Using a screwdriver, screw the provided screws into the holes. Assemble the cover.



5.5 Camera Mounting Spots

1. Mount the cameras anywhere within the Wi-Fi range, plug them to power with included power adapters (smaller ones are for cameras).
2. The cameras should start to stream videos to NVR within 1 minute.
3. If it does not display video on the NVR's screen, the distance should be too long or there are too many obstacles. Please move the cameras closer to the NVR.

5.6 Antenna Mounting Tips



The NVR's antennas radiate signals to all around. The signal pick-up is best while antennas are on same height and parallel. If the cameras cannot be at same height with NVR, please keep their antennas parallel.

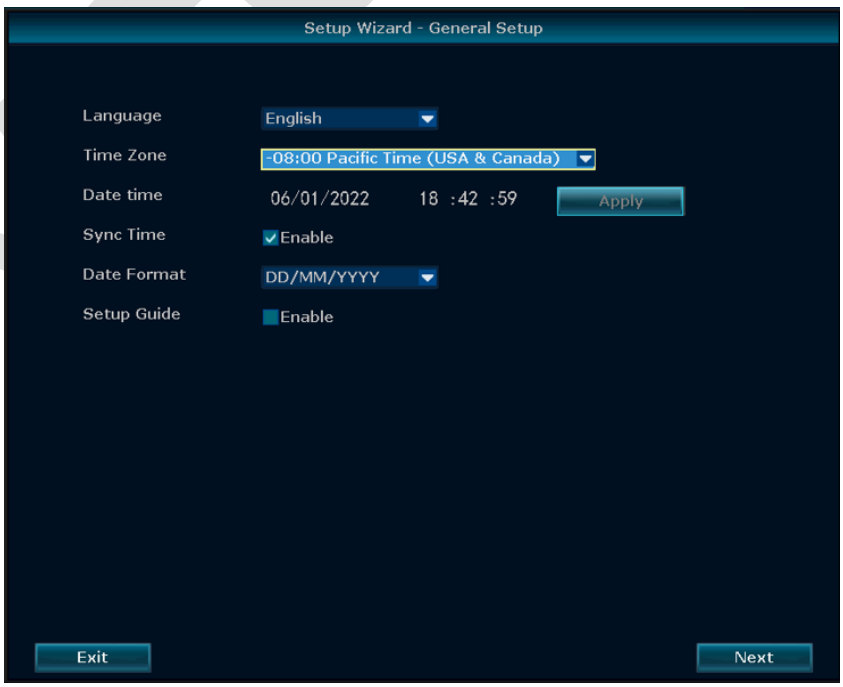
Chapter 6: Getting Started

6.1 Setup Wizard

When your NVR is powered on it will display the Yeewise logo while initializing.

After initialization, you will be prompted to enter Setup Wizard automatically, and guide you to do basic settings. You can also click “Exit” to skip it.

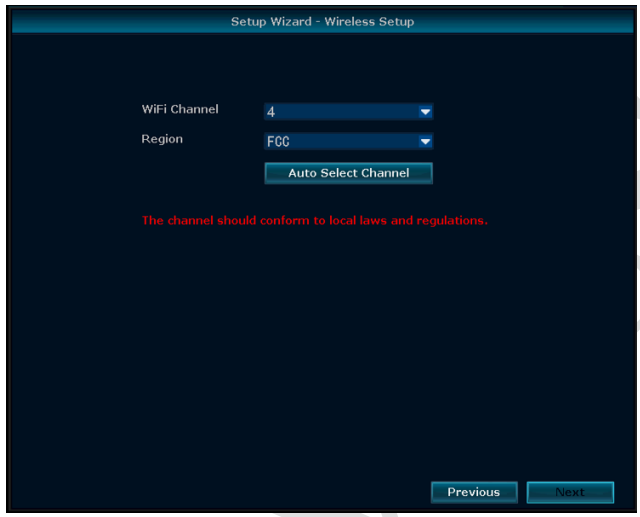
6.1.1 General Setup



General Setup allows you to set up NVR's language, time zone, and date format. You may choose to use Network Time Protocol (NTP) to auto-configure the current date and time. To use NTP, check the Enable box next to **Sync Time**, then click **Apply**.

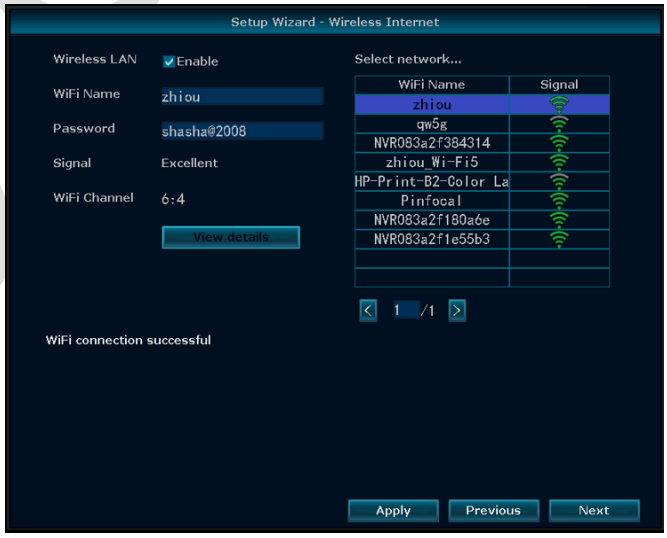
NOTE: If you don't want to go through Setup Guide once again when system reboots, please uncheck Enable next to Setup Guide.

6.1.2 Wireless Setup



Wireless Setup allows you to select a least-interfered WiFi channel for the NVR, ensures its performance not affected by other WiFi devices. Click "**Auto Select Channel**", the NVR will automatically select a WiFi channel with least WiFi interference.

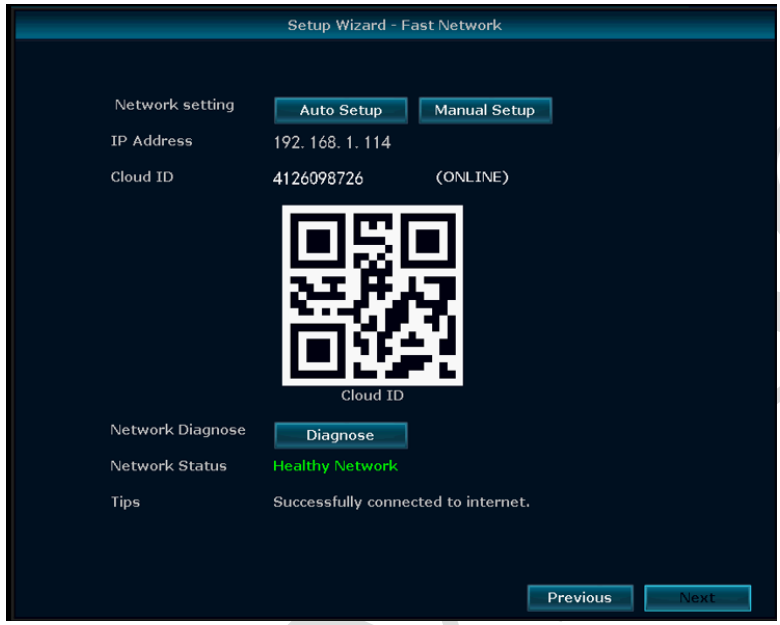
6.1.3 Wireless Internet



Wireless Internet allows you to connect NVR to Internet wirelessly over WiFi. No need to hardwire NVR to router any more. Select the network WiFi name and enter the WiFi password, NVR will connect to your network wirelessly.

NOTE: For remote access, you can either hardwire NVR to router using included network cable, or connect NVR to router wirelessly over WiFi.

6.1.4 Fast Network



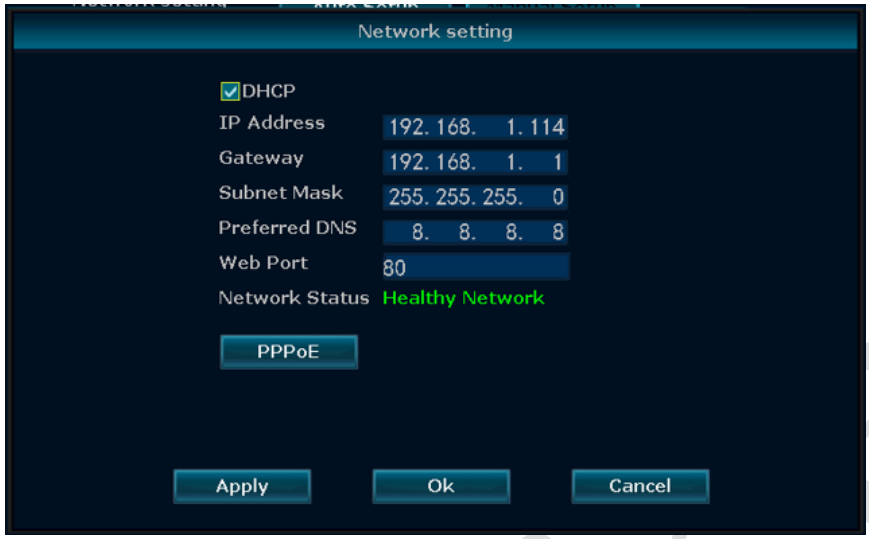
Fast Network allows user to connect the NVR to Internet for remote access. Users can either check DHCP to allow NVR obtain IP address from router automatically, or manually set an IP address for the NVR.

Auto Setup:

Click Auto Setup, NVR will obtain IP address from router automatically and connect to Internet. Once the Device ID shows Online and Network Status shows Healthy Network, your NVR is connected to Internet and is available for remote access.

Manual Setup:

Click Manual Setup, you'll be directed to below Network setting interface, where allows you to set an IP address for the NVR, as well as other network parameters. To setup NVR network settings manually, you need to uncheck DHCP first. Remember to click Apply or OK to save the settings.

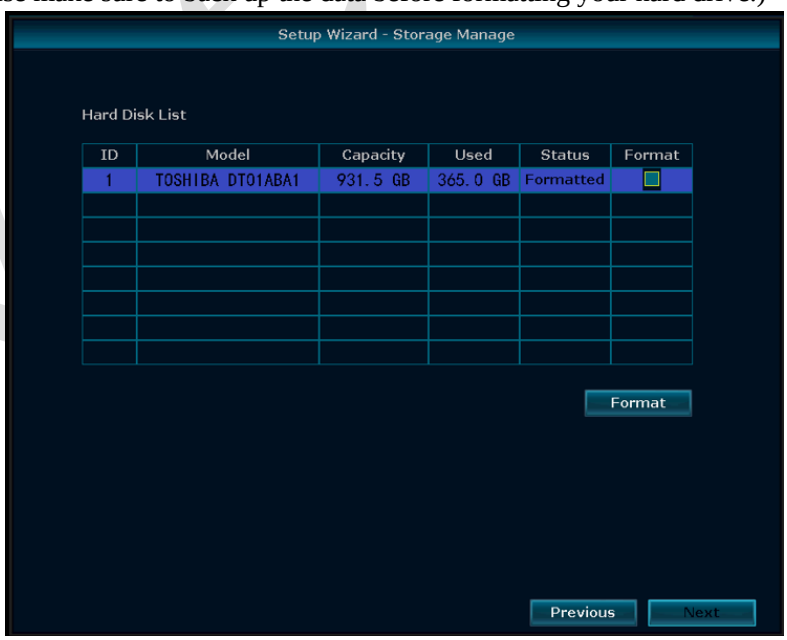


6.1.5 Storage Manage

It displays information of current hard drive installed, including the hard drive model, capacity, used and status. It allows you to reformat your hard drive.

Hard drive needs to be formatted to start recording.
To format the hard drive, select it and click “Format”. It will take some seconds to format the hard drive.

When hard drive is successfully formatted, the status will show ‘Formatted’. (You will lose all data on the hard drive if you format it. So please make sure to back up the data before formatting your hard drive.)



Viewwise

6.1.6 Install the Mobile App

The WallPixel mobile app lets you access your NVR remotely with live viewing from your tablet or smartphone. Download our free WallPixel application from Apple Store or Google Play. You can also scan QR code below to download our free mobile app.

Once you have installed the WallPixel app on your smart device and connected your NVR to router, you can add the NVR to your app for remote access. Open your app, create an account and login, tap + and select **Scan**, then scan above **Cloud ID** QR Code to add the NVR to your app.

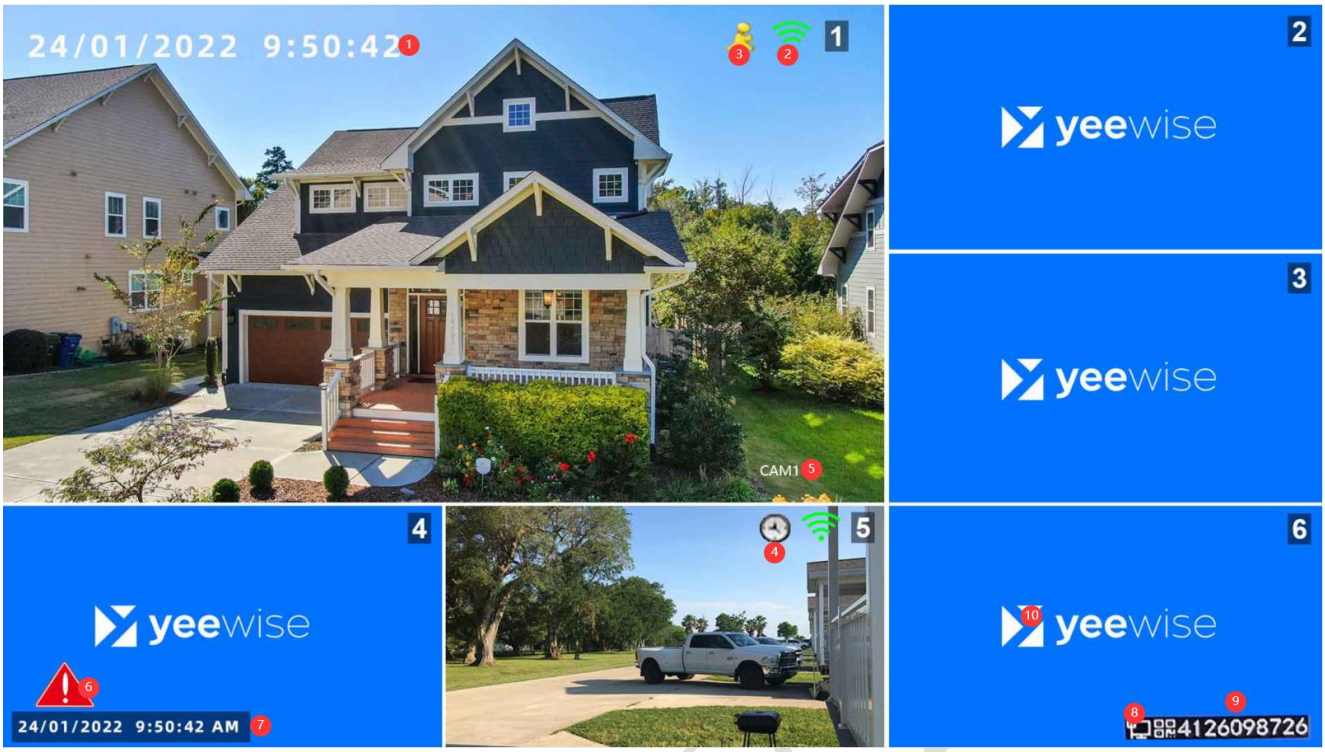
NOTE: In order to view your system remotely, your NVR must be connected to the Internet.

6.2 Live View (Login and Icons)

This section will discuss the Live View status icons and how to control and manage your NVR using the channel toolbar and mouse menu.

6.2.1 Live View (All Channels)

After you have completed the Setup Wizard for your NVR, you will see the Live View screen. Live View is the default display mode of the NVR. It is the screen you will use to watch live video feed from your NVR cameras and make select adjustments.

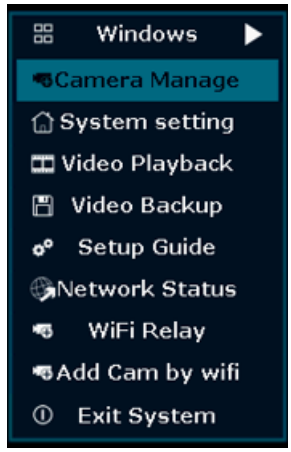


1. **Date and Time:** Displays the date and time of your camera.
2. **Signal Strength:** Shows the signal strength of the camera.
3. **Motion Recording Icon:** Indicates motion detection recording on that camera.
4. **Time Scheduled Recording Icon:** Indicates time scheduled recording on that camera. It shows the same if NVR is set to 24/7 continuous recording on that camera.
5. **Camera Name OSD:** Shows the camera name.
6. **System Exception Icon**: Indicates that an alarm event or exception has occurred. Click the icon to access the Alarm/Exception Information log where you can find specific details about the event.
7. **Date and Time:** Shows the date and time of your NVR.
8. **Network Status:** Shows network status of this NVR.
9. **Cloud ID:** Shows Cloud ID of your NVR. Cloud ID is used for remote access. Add your NVR to any smart devices by using this Cloud ID will allow you to remote access your cameras.
10. **Yeewise Logo:** Shows empty channels without a camera connected.

6.2.2 Right Click Menu (NVR Main Menu)

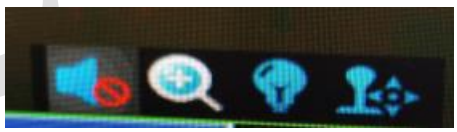
Right click your mouse to pop out the NVR main menu.

Yeewise



1. **Windows**: Select a multi-screen viewing option, where you'll be able to see multiple video feeds at once.
2. **Camera Manage**: Manage the connected cameras.
3. **System setting**: Opens the system setting menu, allows you to do some basic settings of the system.
4. **Video Playback**: Opens the Video Playback menu. You can playback recorded videos based on your search conditions here.
5. **Video Backup**: Opens the Video Backup menu. You can backup recorded videos with USB flash drive here.
6. **Setup Guide**: Launches the Setup Wizard.
7. **Network Status**: Check the network connection status.
8. **WiFi Relay**: Open the WiFi relay setup menu.
9. **Add Cam by wifi**: Add new add-on cameras to the system or repair cameras to the system.
10. **Exit System**: Logout/ Reboot/ Shutdown the system.

6.2.3 Channel Toolbar Menu

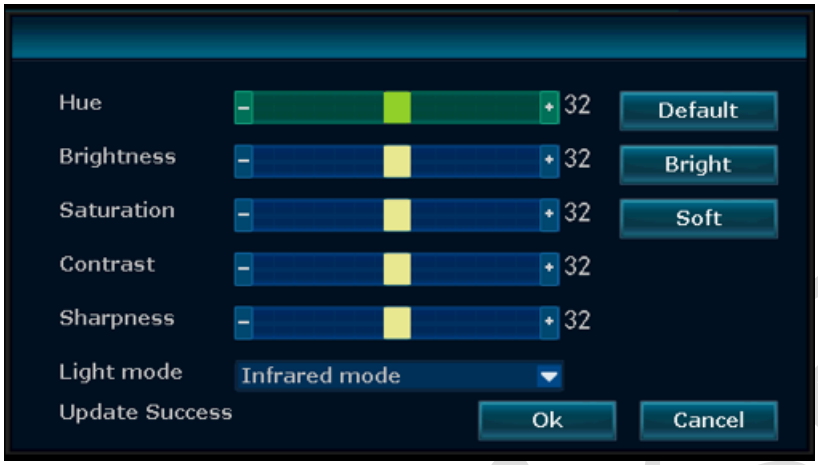


Click the left button on any camera view in split-screen mode to pop out the channel toolbar menu. Right click to hide the icons.

1. **Audio**: Turn on/off the audio.
2. **Zoom**: Click to zoom in pictures and right click to exit it. You can scroll the mouse wheels to zoom in/out pictures.
3. **Color & Light**: Opens the Color & Light menu.
4. **PTZ Control**: Opens the PTZ Control menu.

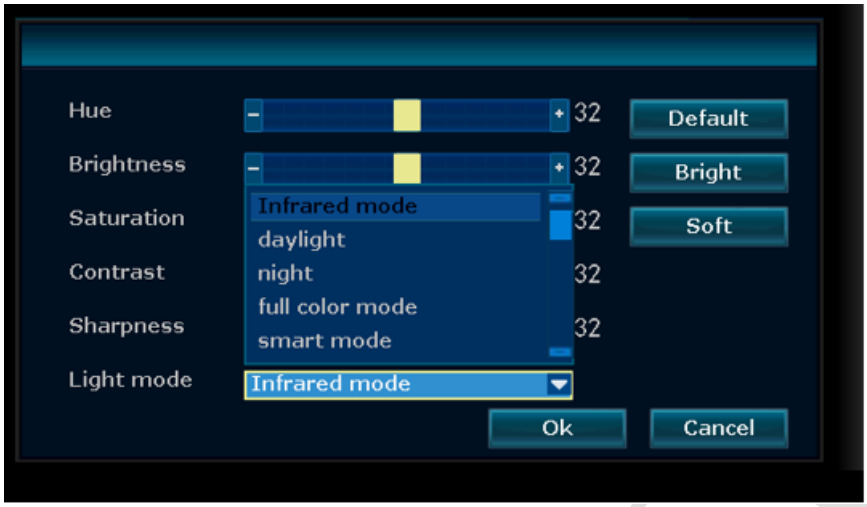
yeewise

6.2.3(a) Color & Light

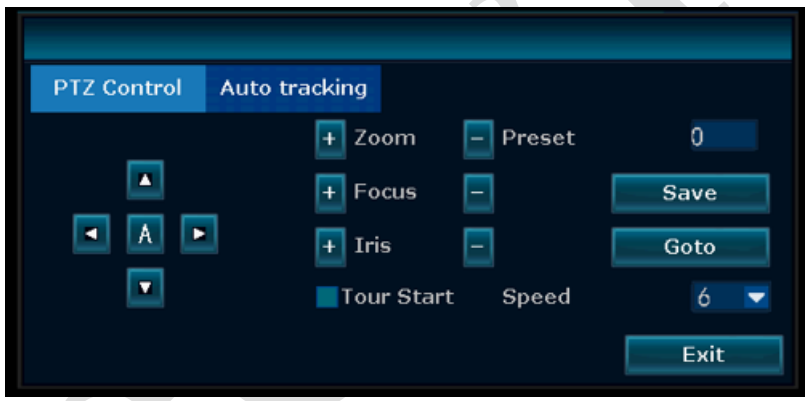


1. **Hue:** Changes the color mix of the image.
2. **Brightness:** Changes how light the image appears. This feature does not extend or enhance night vision mode.
3. **Saturation:** Alters how much color is displayed in the image. The higher the saturation, the more bright and vivid colors will appear.
4. **Contrast:** Increases the difference between the blackest black and the whitest white in the image. Useful if sections of the image are "grayed out". However, setting the contrast too high will degrade the image quality.
5. **Sharpness:** Adjust the sharpness of the image.
6. **Default:** Resets the image to its default values.
7. **Bright:** Sets a predefined value to show a brighter image.
8. **Soft:** Sets a predefined value to show a softer image.
9. **Light mode:** Select the night vision mode for the selected camera. Five night vision modes are available.
10. **Infrared mode:** Infrared LEDs turn on at night and camera displays black & white video.
11. **Daylight:** Infrared LEDs do not turn on at night and camera stays at daylight mode. Do not choose this, otherwise camera won't see anything at night as IR LEDs are off.
12. **Night:** Camera stays at night vision mode, it displays black and white video all the time. Not recommended.
13. **Full color mode:** Floodlights will turn on at night and camera displays full color video at night.
14. **Smart mode:** Infrared LEDs turn on and camera displays black and white video at night, when motion is detected, floodlights will turn on automatically and camera video switches to full color.

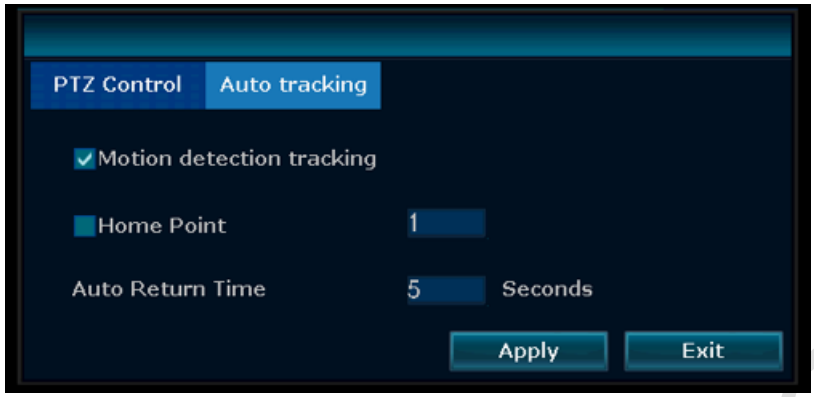
yeewise



6.2.3(b) PTZ Control & Auto Tracking



1. **Arrow Keys:** Allows you to move the camera up and down, left and right.
2. **Presets:** Enter the number you set for each preset and click Goto, camera will move to the corresponding monitoring position automatically.
3. **Tour Start:** Check to enable camera auto cruise.

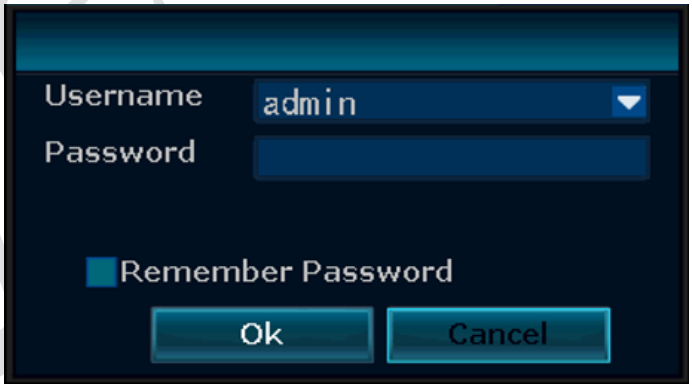


1. **Motion detection tracking:** Check to enable auto tracking of selected camera.
2. **Home Point:** Check to enable the Home Point of the selected camera. Once checked, camera will automatically return to its home point(guard point) when auto tracking is complete.
3. **Auto Return Time:** Set the auto return time for the camera.

6.2.4 Login/ Logout / Reboot/ Shutdown

Login

Anytime you want to configure or adjust your system settings you will be required to log in by entering your username and password. It's important you save your login information, or you won't be able to access your NVR.



Default Username: **admin**
Default Password: **empty, means no password, leave it blank**

If you forgot your password, please contact Yeewise support to restore it.

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Logout

If you want to log out while using the system, right click your NVR mouse to pop out NVR main menu, then click “Exit System”, and choose “Logout”.

If you want the system to auto logout, please go to “System setting” – “General setting”, enable the “Auto Logout”, click “Apply” to save this setting. System will auto logout if there is no operation within 1 minute. Username and password will be required for next login.

Reboot

If you want to reboot the system while using it, right click your NVR mouse to pop out NVR main menu, then click “Exit System”, and choose “Reboot”. System will reboot immediately.

Shutdown

If you want to shut down the system, please right click your NVR mouse to pop out NVR main menu, then click “Exit System”, and choose “Shutdown”. System will release power and pop out message “Now you can power off the device”. Unplug your NVR from power, and the system will shut down completely.

6.3 Camera Manage

Manage your cameras’ connections with the NVR. In Camera Manage interface, you can add new cameras to NVR, re-pair cameras that lost connection to NVR, delete cameras from their current channels and re-pair, adjust or modify individual camera settings connected to your NVR.

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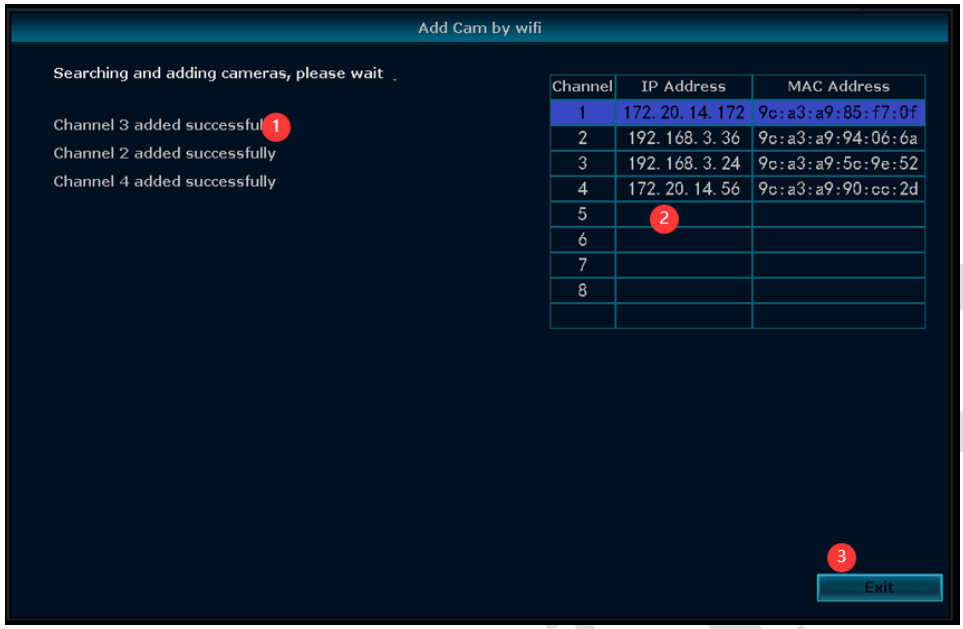
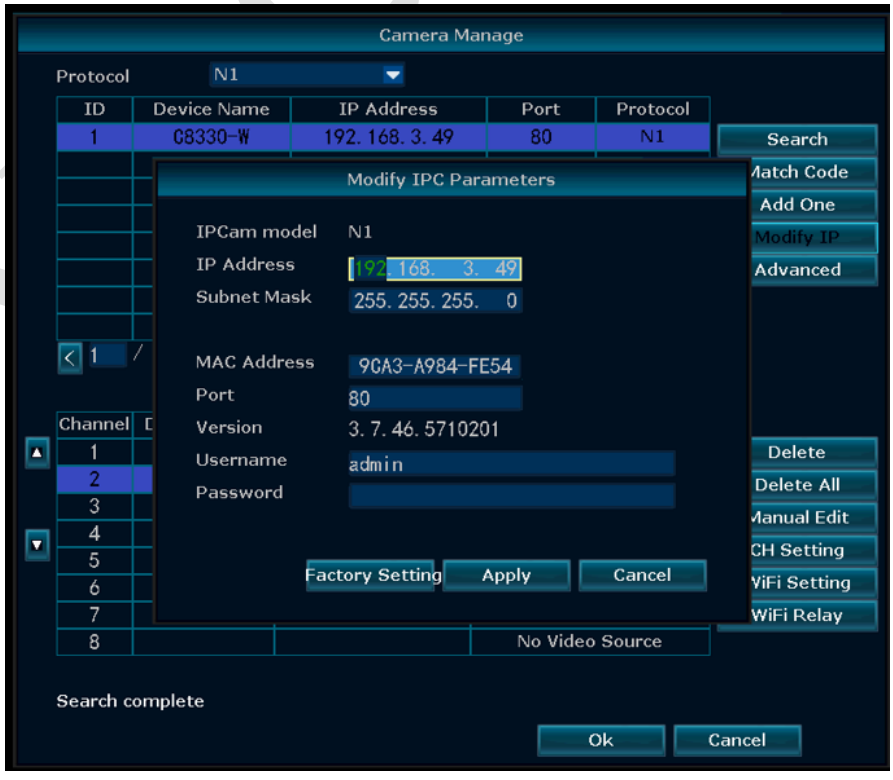
1. **Protocol:** Establishes the protocol used by the NVR when it is looking for cameras to pair with.
2. **Table 1:** Shows the cameras available to pair with the NVR.
3. **Table 2:** Shows the cameras already paired to the NVR.
4. **Search:** Initiates the discovery of cameras over the same network segment where the NVR is connected.
5. **Match Code:** Initiates the discovering and pairing process for available wireless cameras.
6. **Add One:** Pair cameras in Table 1 with the NVR one by one and place those cameras in Table 2.
7. **Modify IP:** Allows the network parameters of the cameras in Table 1 to be modified.
8. **Advance:** Allows advanced options to be Enabled or Disabled.
9. **Delete:** Will delete the selected camera from Table 2 and move it to Table 1.
10. **Delete All:** Will delete all cameras from Table 2 and move them to table 1.
    Manual Edit: Allows the channel connection parameters of the cameras in Table 2 to be modified.
12. **CH Setting:** Direct you to CH Setting interface.
13. **WiFi Setting:** Direct you to WiFi Setting interface.
14. **WiFi Relay:** Opens a window which allows you to set up the Wi-Fi Relay, using the cameras as repeaters of the Wi-Fi signal.
15. **Arrows:** Allows you to move the selected camera to a different channel.

6.3.1 Match Code (Wireless Add)



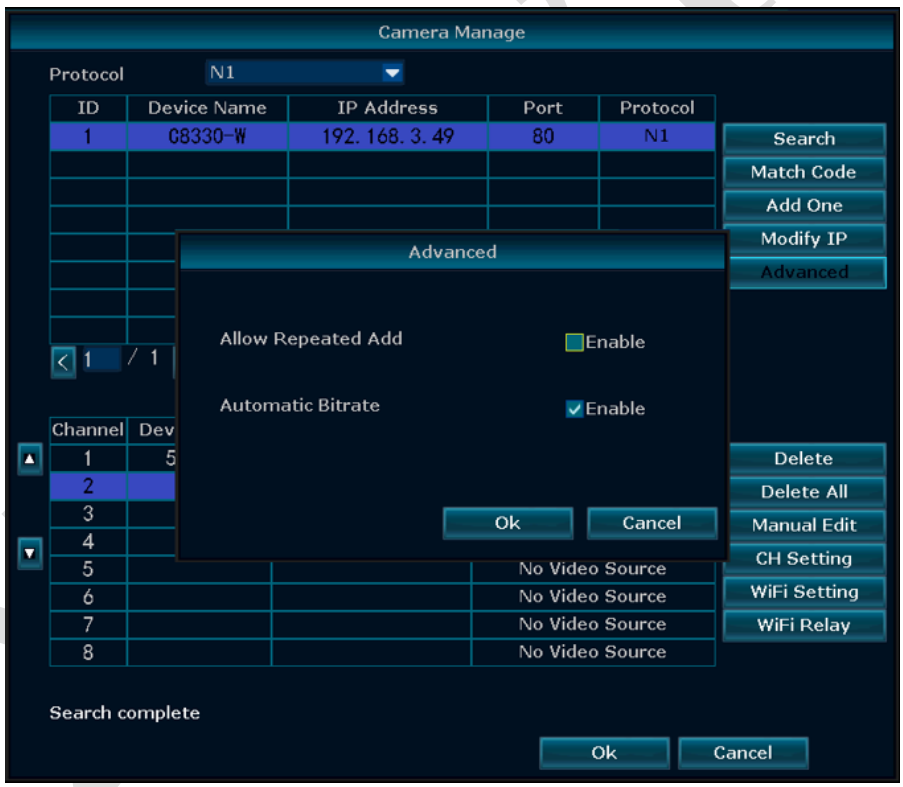
1. **Number of Cameras Connected:** Shows the number of cameras paired to the NVR.
2. **Camera Table:** Shows the IP Address and MAC Address of all the cameras already paired to the NVR.
3. **Exit:** Return you to the Camera Manage interface.

6.3.2 Modify IP



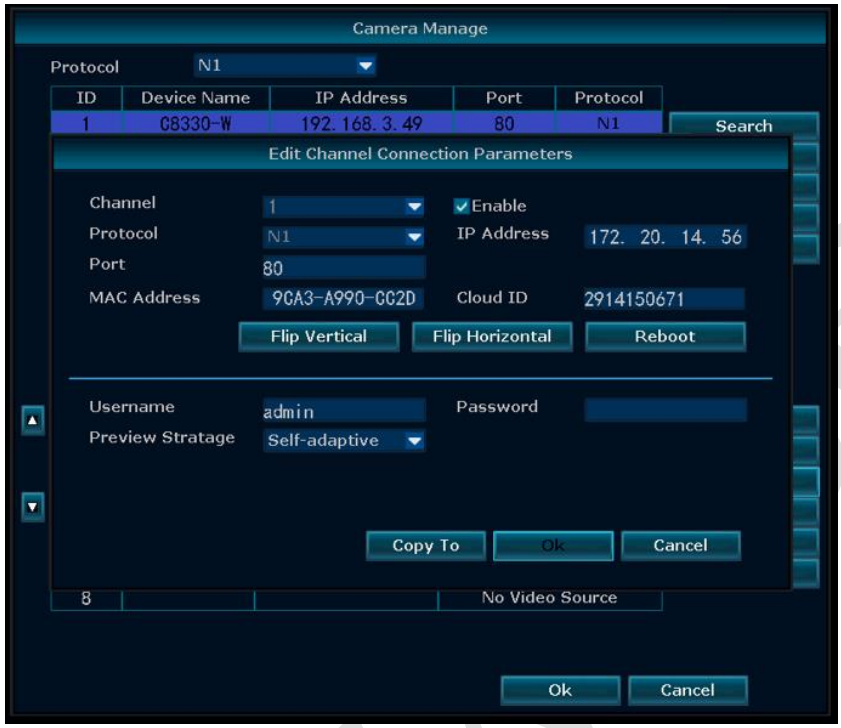
1. **IPCam Model:** Shows the protocol of the camera.
2. **IP Address:** Network address of the connected camera.
3. **Subnet Mask:** The range of IP addresses that can be found in the network. This should always be set to the default address 255.255.255.0.
4. **MAC Address:** The unique identifier assigned to the network interface of the camera for communications at the data link layer.
5. **Port:** Allows access to your camera with your computer through your LAN or the Internet. The default value is 80.
6. **Version:** Shows the firmware version of the camera.
7. **Username:** Shows the username of the credentials needed to establish a connection with the camera. By default, **admin**.
8. **Password:** Shows the password of the credentials needed to establish a connection with the camera. By default, password field should be empty.

6.3.3 Advanced



1. **Allow Repeated Add:** Allows you to keep the cameras in Table 2 in Table 1 as well.
2. **Automatic Bitrate:** Allows for automatic bitrate of the cameras.

6.3.4 Manual Edit



1. **Channel:** Select the channel/camera you want to edit.
2. **Protocol:** Shows the protocol of the selected channel/camera. N1 (Yeewise), ONVIF (Standard).
3. **IP Address:** Network address of the connected camera.
4. **Port:** Allows access to your camera with your computer through your LAN or the Internet. The default value is 80.
5. **Enable:** Will Enable (turn on) and Disable (turn off) the camera video stream.
6. **MAC Address:** The unique identifier assigned to the network interface of the camera for communications at the data link layer.
7. **Username:** Shows the username of the credentials needed to establish a connection with the camera. By default, **admin**.
8. **Preview Stratage:** Used for live view. If the signal of the connected camera to the NVR is not strong enough to sustain a decent quality image, this function can adjust the mainstream transmission to improve video quality.
9. **Password:** Shows the password of the credentials needed to establish a connection with the camera. By default, password field should be empty.
10. **Flip Vertical:** Will invert the video image vertically from the selected channel/camera.
11. **Flip Horizontal:** Will invert the video image horizontally from the selected channel/camera.
12. **Reboot:** Reestablish the video image from the selected channel/camera.

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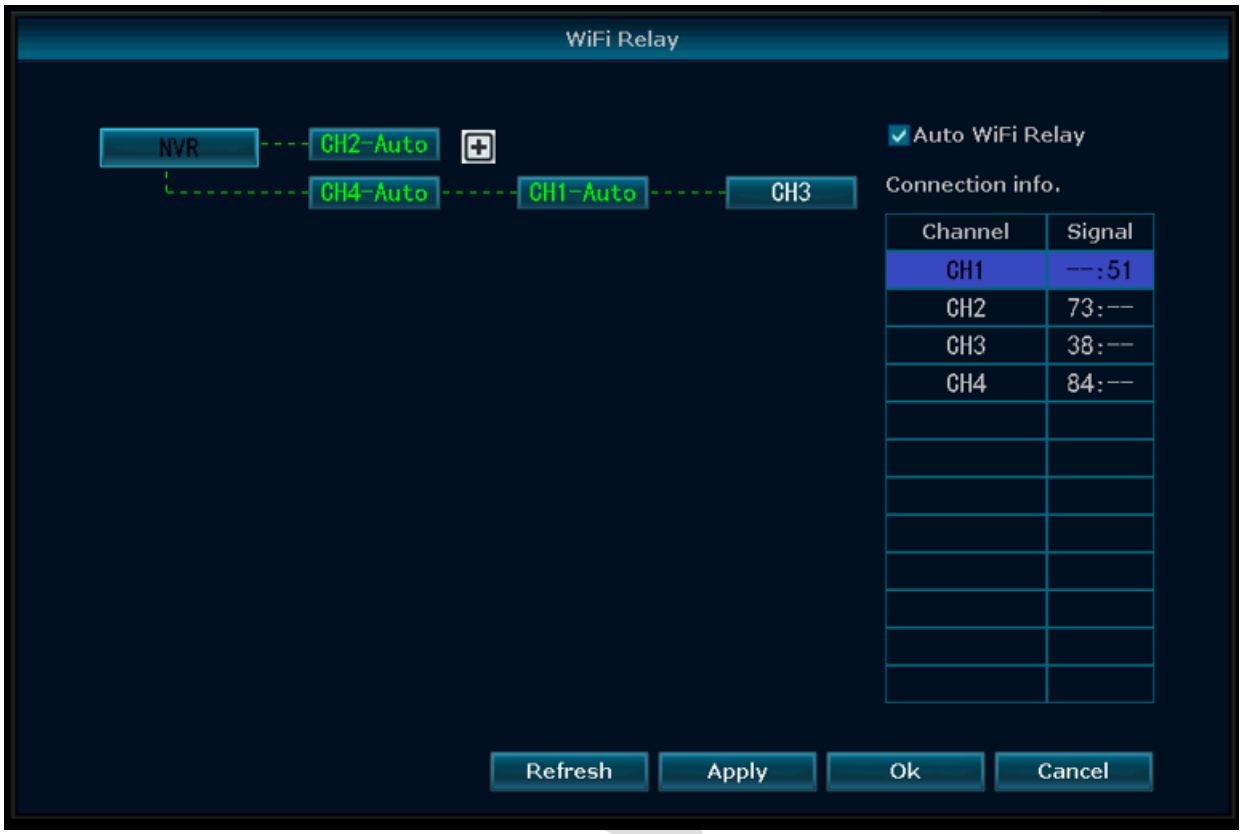
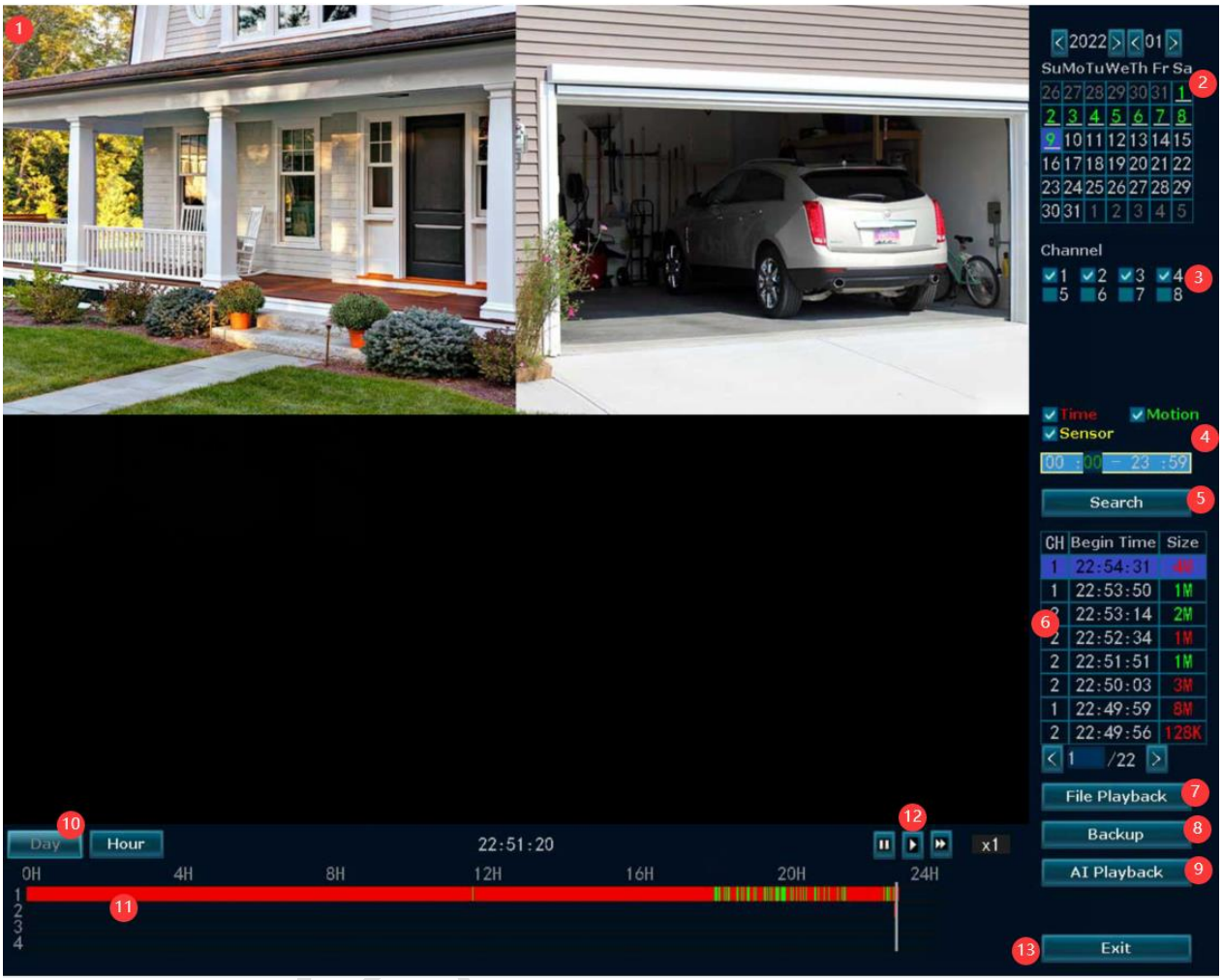
6.3.5 WiFi Relay (Repeater)



1. **Diagram:** Shows the dependency of the Wi-Fi signal for each camera connected. What is shown in the above diagram is CH2 and CH4 connected directly to the NVR, CH1 connected in Daisy Chain to CH4 where CH4 works also as a repeater and CH3 connected in Daisy Chain to CH1 where CH1 works also as a repeater.
2. **Auto WiFi Relay:** When a camera is having weak WiFi signal. It shall come in and out frequently. Such a camera will automatically find a close-by camera as WiFi repeater, connect to that camera, thus to relay back to the NVR. It is checked by default.
3. **Table:** Shows the signal strength of each connected camera.
4. **Refresh:** Will update the diagram with any changes made.
5. **Apply:** Will save any changes made and stay.
6. **OK:** Will save any changes made and exit.
7. **Cancel:** Will not save the changes made and exit.

6.4 Video Playback



1. **Video Image:** Shows an image of the cameras that have video for the search parameters entered.
2. **Date:** Allows you to search by date.
3. **Channel:** Allows you to search certain channels.
4. **Time/Motion:** Allows you to search for Time Scheduled or Motion recordings.
5. **Search:** Activates the search based on the criteria established above and shows the recordings found on the table below.
6. **Table:** Shows the video list based on your search conditions.
7. **File Playback:** Allows you to focus in on the video recording selected in the table above and control the recording.
8. **Backup:** Allows you to export a recording onto a USB flash drive.
9. **AI Playback:** AI playback allows you to playback all human detection videos. The system differentiates human detection videos from other motion detection videos and allows you to playback all human detection videos through AI Playback, thus you can quickly & easily replay the important videos.
10. **Day/Hour:** Allows you to switch the timeline between a day or hour scale.

11. **Timeline:** Shows the presence of a video recording and shows the progress of the video.
12. **Controls:** Allows you to control (rewind, fast-forward, pause, play, etc.) a video.
13. **Exit:** Click to exit video backup.

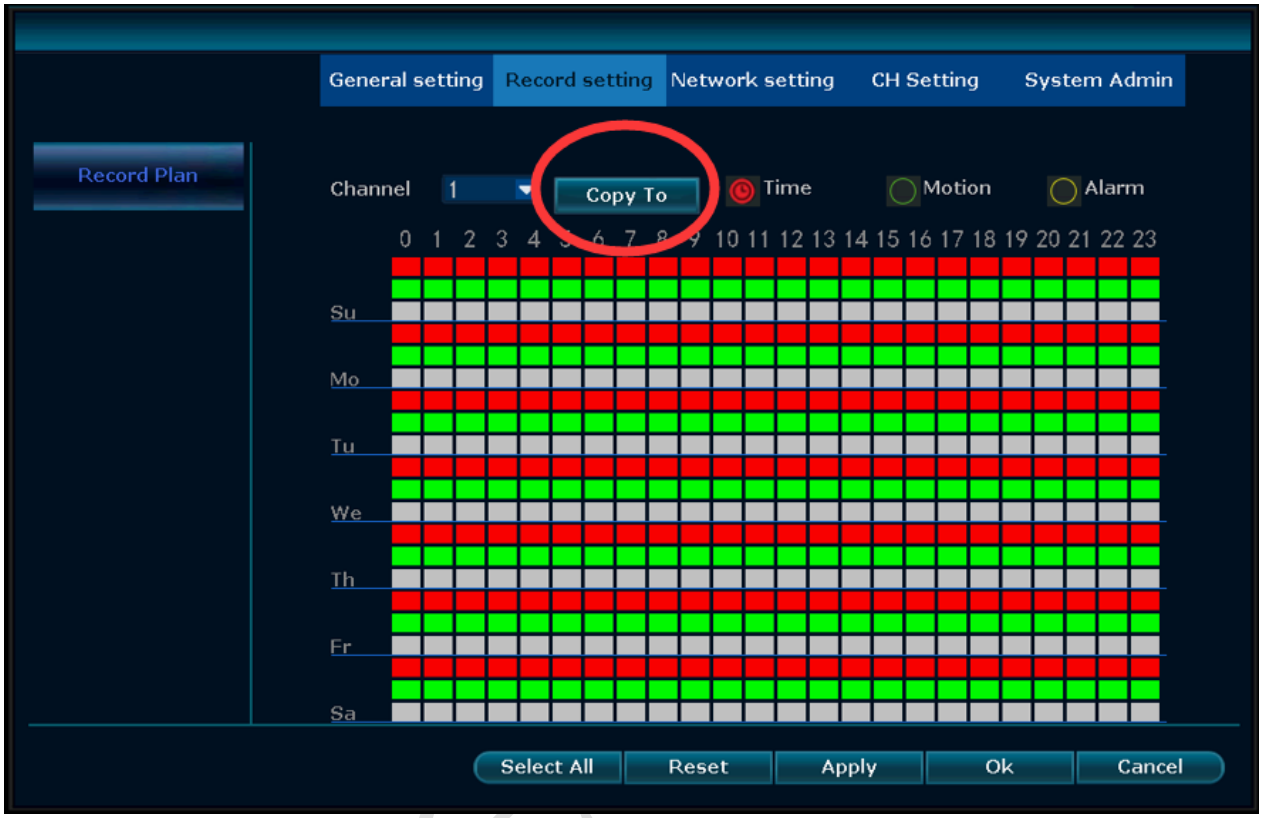
6.5 Video Backup

Search and backup all recorded videos from this menu. Choose your desired date and times from the options below, then click *Search* to view recorded videos. Right click to exit back to the live view mode.

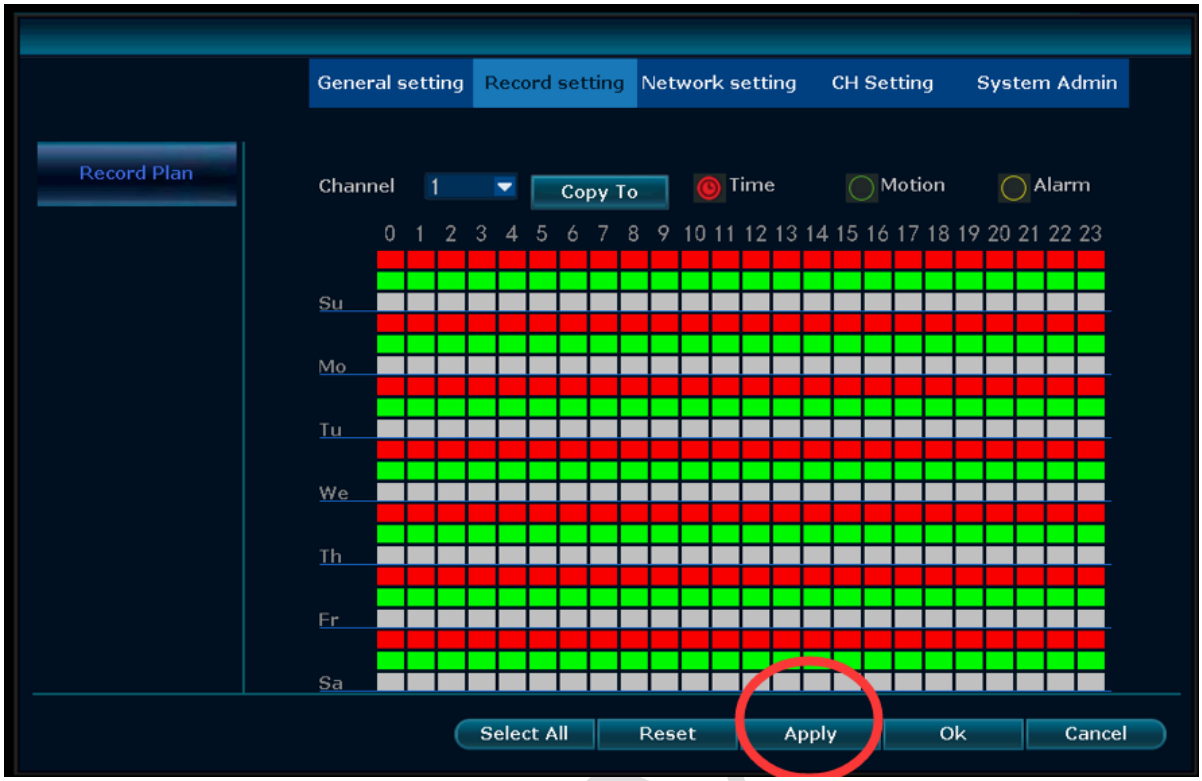
1. **Channel:** Select which channel(s) to search for recordings.
2. **Record Mode:** Select which recording type to search for. Choose Time scheduled, Motion or both.
3. **Time:** Set a date and time range to search for recordings.
4. **USB:** Shows the USB flash drive you inserted to the NVR.
5. **Search:** Click to locate all videos based on your search conditions.
6. **Format:** Allows you to format your USB flash drive. Once you click Format, the USB flash drive inserted to the NVR will be formatted and all files stored in the USB flash drive will be deleted.
7. **Table:** Shows all the recordings found with current search parameters.
8. **Backup:** Click to export and backup a recording located in the table to USB flash drive.

NOTE: Remember to insert a USB flash drive to the NVR to backup videos. The backup videos are in .avi format.

Chapter 7: Menus and Settings



Some menu screens will allow you to copy similar settings to multiple channels. Choose the channel you would like to copy information from in the first drop-down box, then click **Copy To**, select the channel you would like to copy the information to, click **OK**.



NOTE: Be sure to click Apply to save all changes you make in the menus. If you do not save the changes, they will not be applied. You can also select the Reset button on any page to restore default settings for those parameters.

Menu

The main menu lets you access many of your NVR's great features. You can customize camera names, keep track of recent events, create recording schedules, configure advanced motion detection settings, check up on the hard drive's condition and change other NVR settings.

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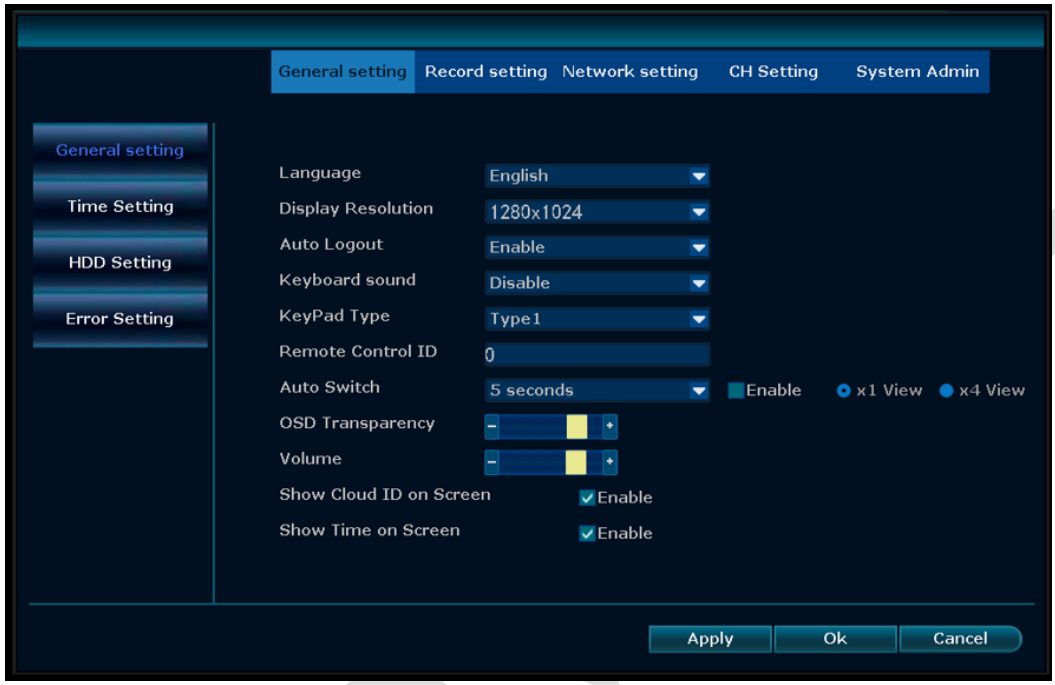
1. **General Setting:** Will allow access to General Setting, Time Setting, HDD Setting, and Error Setting submenus.
2. **Record Setting:** Will provide access to Record Settings.
3. **Network Setting:** Will provide access to Network Setting, DDNS, E-mail, WiFi Setting, PPPOE, and Wireless Internet submenus.
4. **CH Setting:** Will provide access to Encode Setting, PTZ Setting, Channel OSD, Video Detection, IPC Maintenance, and Bitrate submenus.
5. **System Admin:** Will allow access to System Version, System Log, User, System Upgrade, System Maintenance, and Factory Default submenus.

7.1 General Setting

The general setting allows you to do some basic settings for your NVR system.

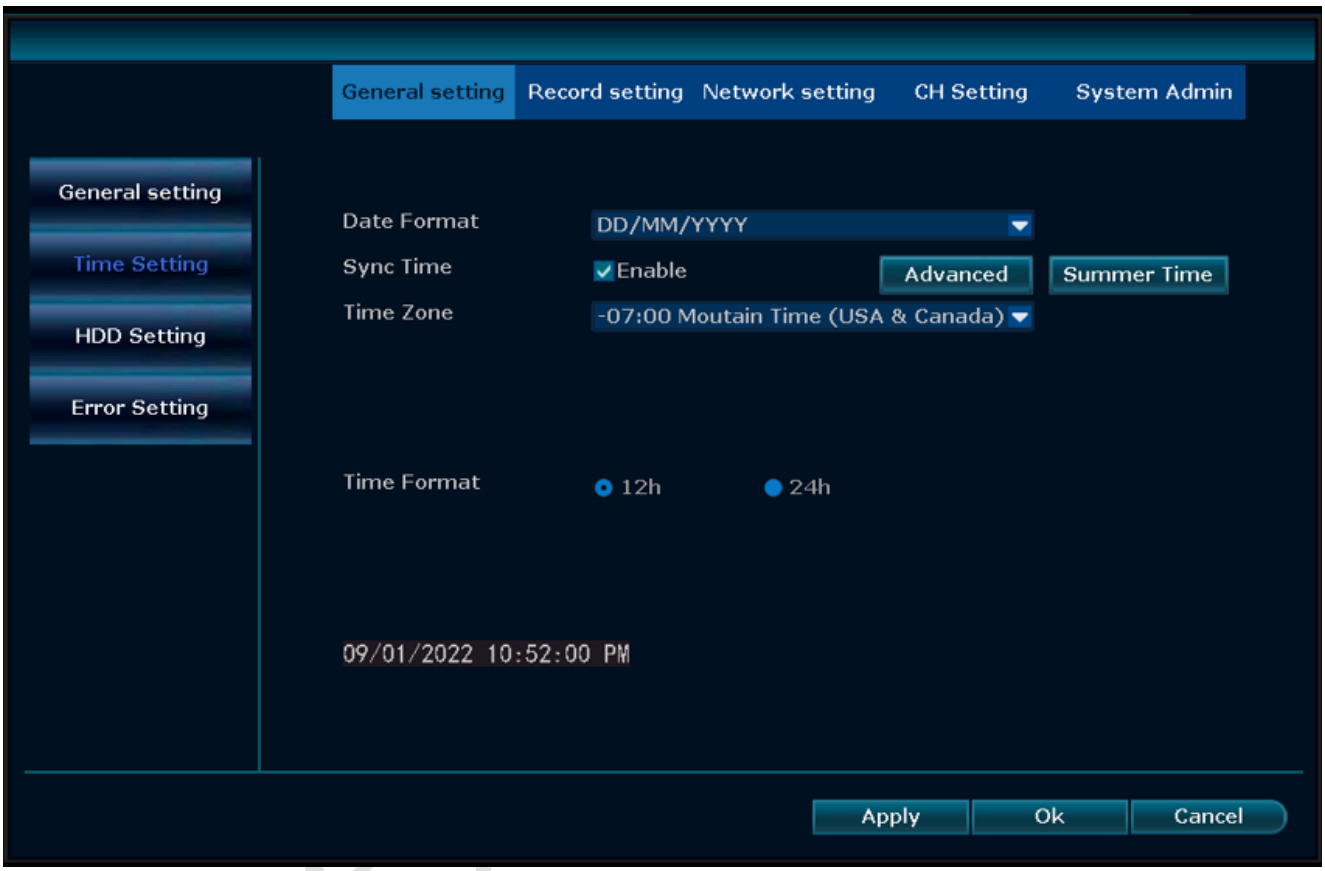
7.1.1 General Setting



1. **Language:** Select your system language.
2. **Display Resolution:** Optimize the display resolution to best fit your TV/monitor. By default, the optimal resolution will be auto-selected by the NVR.
3. **Auto Logout:** Enable or Disable auto logout. If Disabled, the NVR will remain logged in.
4. **Keyboard sound:** Enable/ disable the keyboard sound.
5. **Keypad Type:** Select the keypad type.
6. **Remote Control ID:** Remote Control ID of the system.
7. **Auto Switch:** Adjust the duration each channel is displayed during a sequential view. You can choose between 1 and 300 seconds per channel. To begin the auto-sequence feature, check the **Enable** box next to Auto Switch. There is also option of x1 View & x4 View for your choice.
8. **OSD Transparency:** Adjust the transparency of OSD.
9. **Volume:** Adjust the volume of system.
10. **Show Cloud ID on Screen:** Enable to allow Cloud ID show at the bottom right corner of your screen, Disable to not allow.
11. **Show Time on Screen:** Enable to allow system time show on the screen, Disable to not allow.

7.1.2 Time Setting

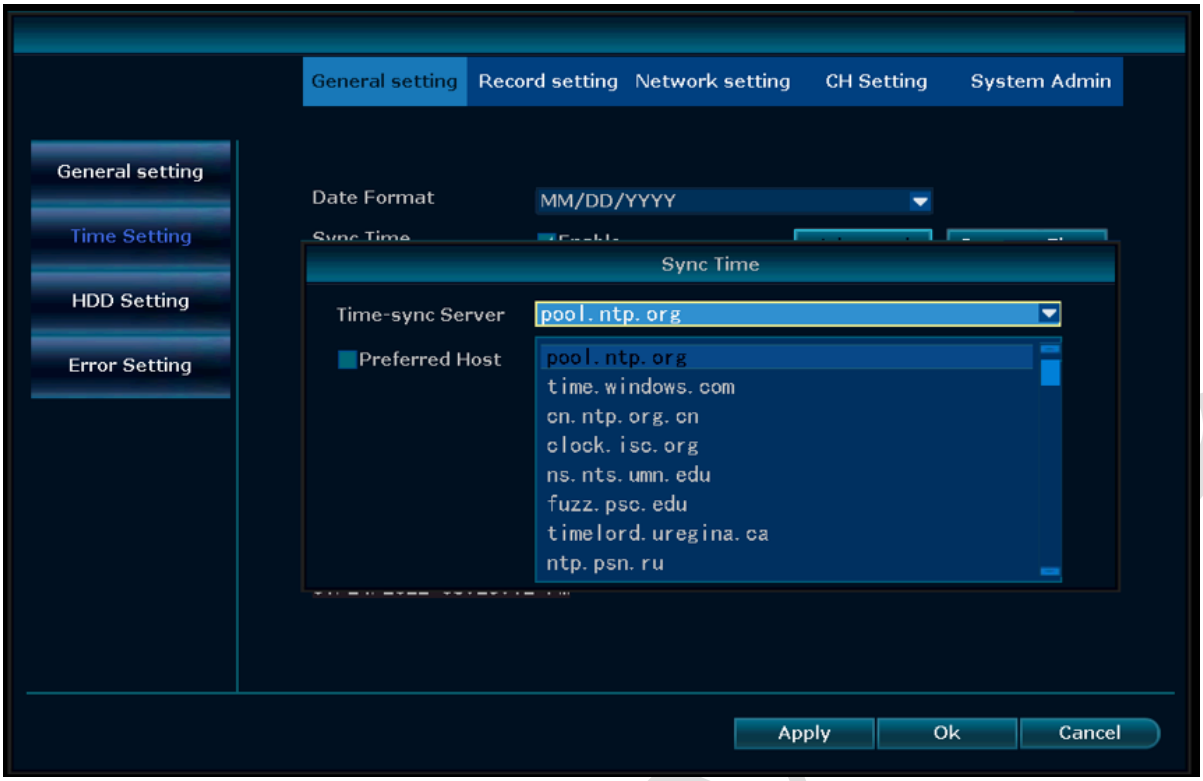
The Time Setting will allow you to set the date format, time zone and time format. You may choose to use Network Time Protocol (NTP) to auto-configure the current date and time. To use NTP, check the Enable box next to Sync Time, then click Apply.



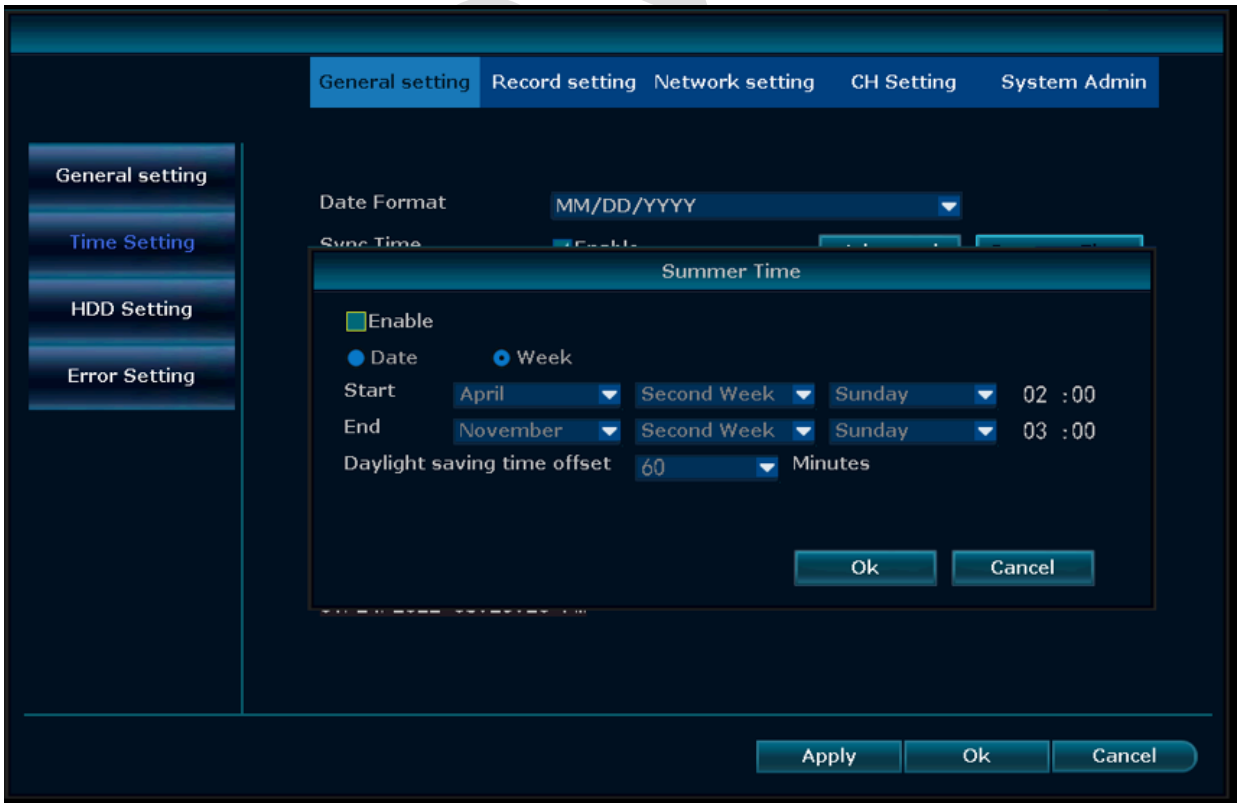
1. **Date Format:** Choose the display format for the date. You can select Month/Day/Year, Year/Month/Day or Day/Month/Year.
2. **Sync Time:** Enables or Disables NTP (Network Time Protocol) services.
3. **Time Zone:** Select the correct time zone for your location.
4. **Time Format:** Select either a 12Hour or 24Hour format.
5. **Summer Time:** Configure summer time by clicking it.

The current date and time are shown at the bottom.

NOTE: Selecting Sync Now will temporarily stop recording while syncing NTP.

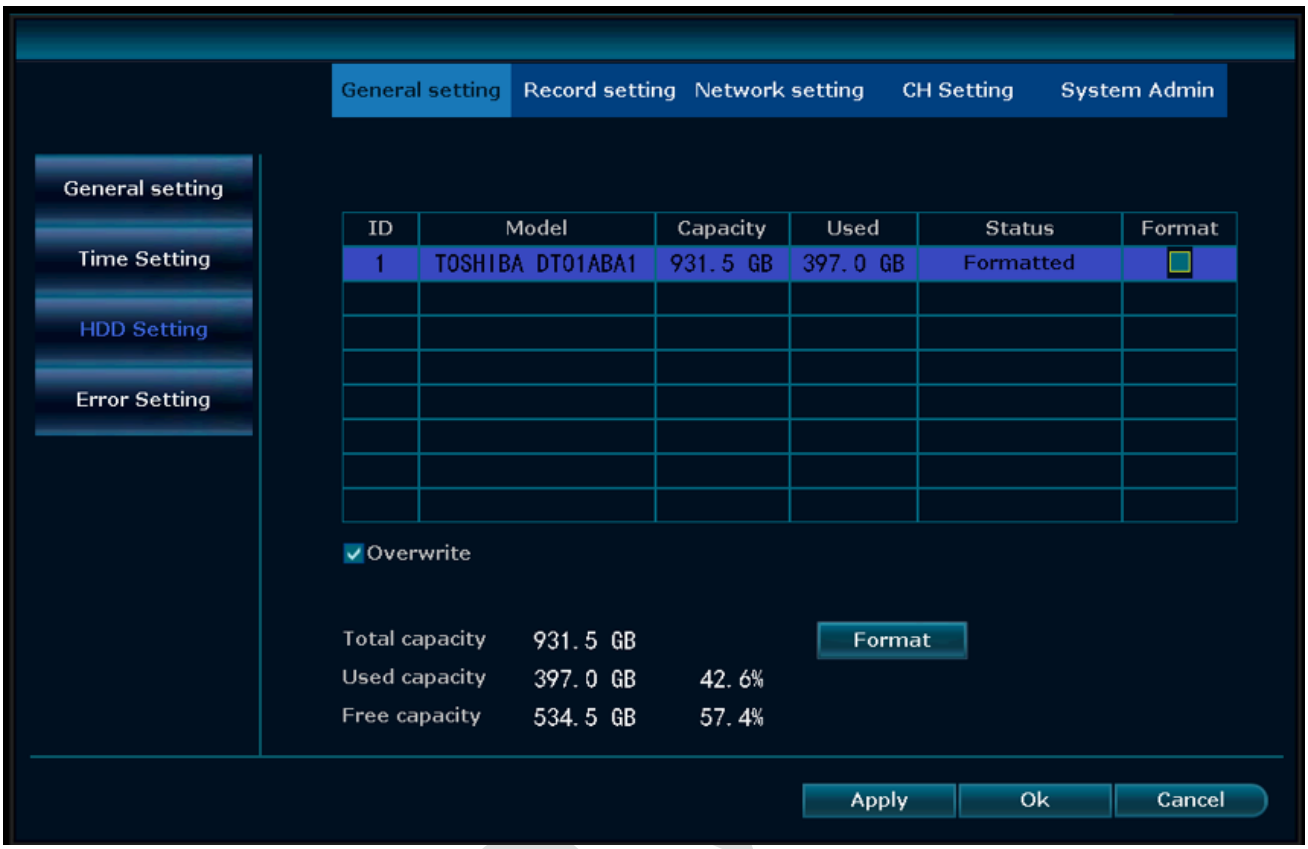


By clicking the **Advance** tab on the Sync Time line, you can edit the Sync Time Server and Preferred Host.



By clicking the **Summer Time** tab on the Sync Time line, you can adjust how your NVR responds to DST.

7.1.3 HDD Setting

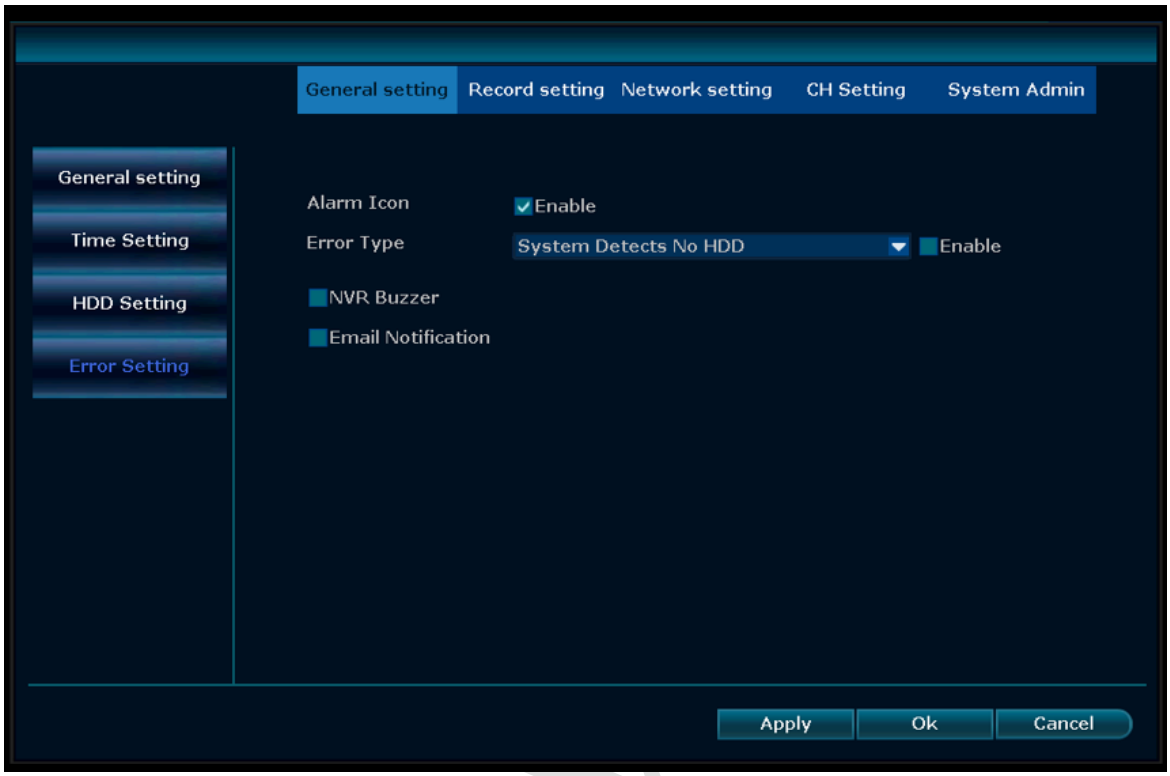


HDD Setting List of all the hard drives, including their characteristics, installed on the NVR.

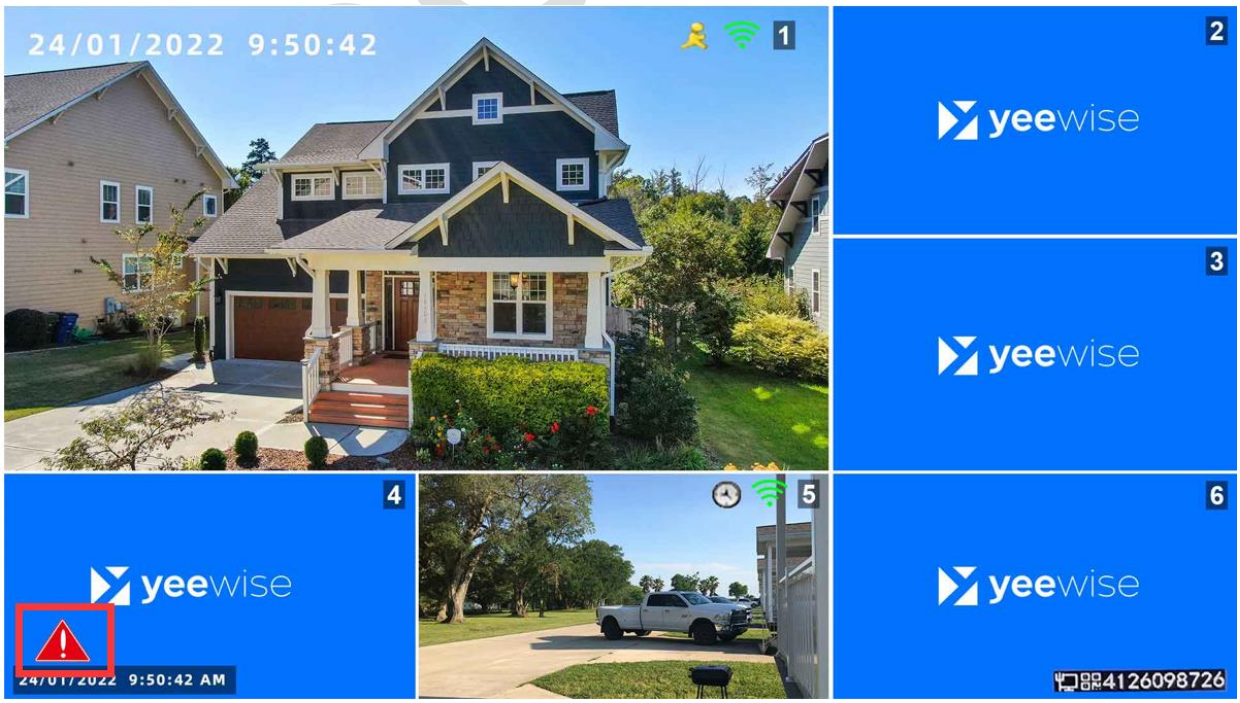
Format: Reformats the HDD, erasing all stored recordings. If the HDD is malfunctioning, a reformat is recommended before replacement.

Overwrite: Old footage is automatically recorded over when the HDD becomes full. Overwrite is selected by default.

7.1.4 Error Setting



Error Setting will allow you to set the alarm type when there is exception happened on the NVR.



The system exception icon is shown at the left bottom of the monitor that is connected to NVR.

1. **Alarm Icon:** Enable it will have the alarm icon displayed on the bottom left corner of live view screen when there is system error happened.
2. **Error Type:** It displays some error types of the system. You can choose the error type from drop down list and check Enable to allow the alarm icon displayed on the live view screen when the selected error type occurs.
3. **NVR Buzzer:** Check to allow the NVR to sound a buzzer when the error occurs.
4. **Email Notification:** Check to allow the system to send you an email when the error occurs.

7.2 Record Setting

The Recording Setting allows you to set up the recording type of the system.

1. **Channel:** Choose which channel to edit.
2. **Copy To:** Allows you to copy the configuration for one channel to another.
3. **Time:** Enable the selection of the time-scheduled recording in the time diagram. If 24 hours and 7 days are selected, then system is set to 24/7 continuous recording. Time-scheduled recording is shown in red.
4. **Motion:** Enable the selection of the motion recording in the time diagram. Motion recording is shown in green.
5. **Alarm:** Enable the selection of the alarm recording in the time diagram. Since the system does not come

with sensors and alarms in the package, so this recording type does not work for this system.

6. **Time Diagram:** Shows a diagram (hours of the day x day of the week). Use this diagram to apply motion recordings and/or time scheduled recordings during specified periods.

7.3 Network Setting

Find network values and optimize connectivity based on your Internet connection. In most cases the values should populate automatically once your NVR is connected to the Internet. The
values in this section should only be adjusted if you are an advanced user and have extensive experience in device networking.

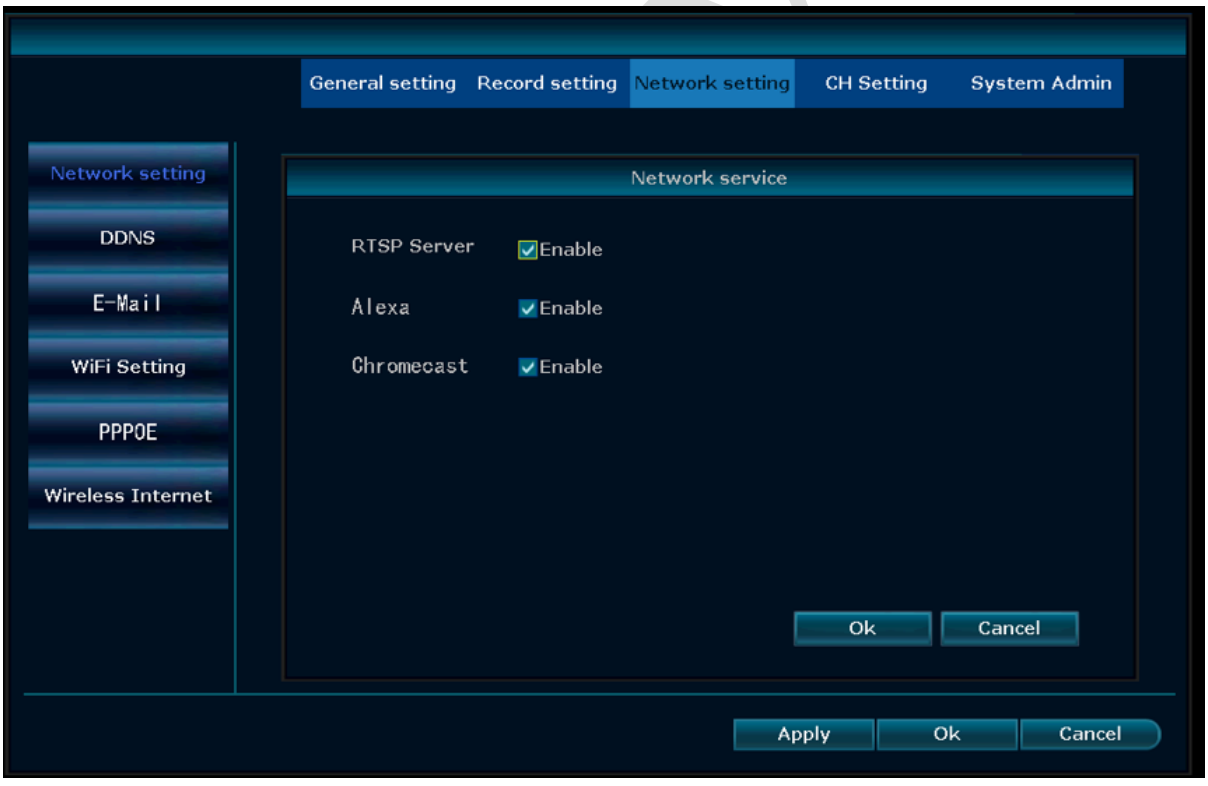
7.3.1 Network setting

1. **DHCP:** Network configuration mode that gathers the network values automatically from DHCP server. If unchecked this value can be set manually.
2. **Cloud ID:** The unique Cloud ID number of this NVR. It is used for remote access from your smart devices. Click Show QR Code to display the QR code that represents the Device ID. You can scan this when performing a QR code setup to add this NVR to the WallPixel App.
3. **IP Address:** Network address of the connected NVR.
4. **Subnet Mask:** The range of IP addresses that can be found in the network. This should always be set to the default address 255.255.255.0.

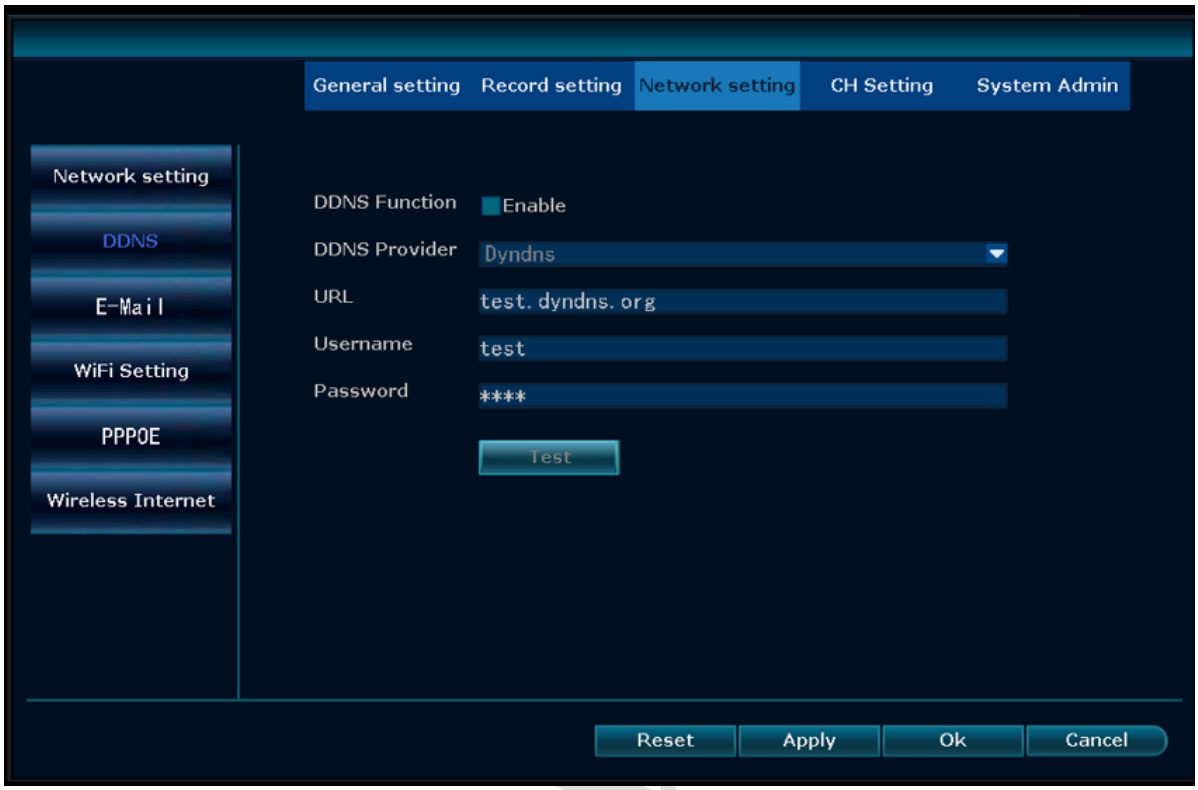
5. **Gateway:** The connection between two networks. This should always be the IP address of the connected router.
6. **MAC Address:** The unique identifier assigned to network interfaces for communications at the data link layer.
7. **Preferred DNS:** Domain Name System server address.
8. **Web Port:** Allows access to your NVR with your computer through your LAN or the Internet. The default value is 80.
9. **MTU:** MTU is the abbreviation for Maximum Transmission Unit. The MTU size simply determines the maximum packet size that can be transmitted over the network.
10. **Network Bandwidth:** Defines channel capacity, or the maximum throughput of the network interface.
11. **Network Service:** Allows you to Enable or Disable the network services including RTSP Server, Alexa and Chromecast.
12. **Network Status:** Shows status of the network connectivity.

Network Service

Our Yeewise systems work with Alexa Echo Show. Enable it in NVR and set it up on your Alexa, you can then command your Alexa to show the cameras.

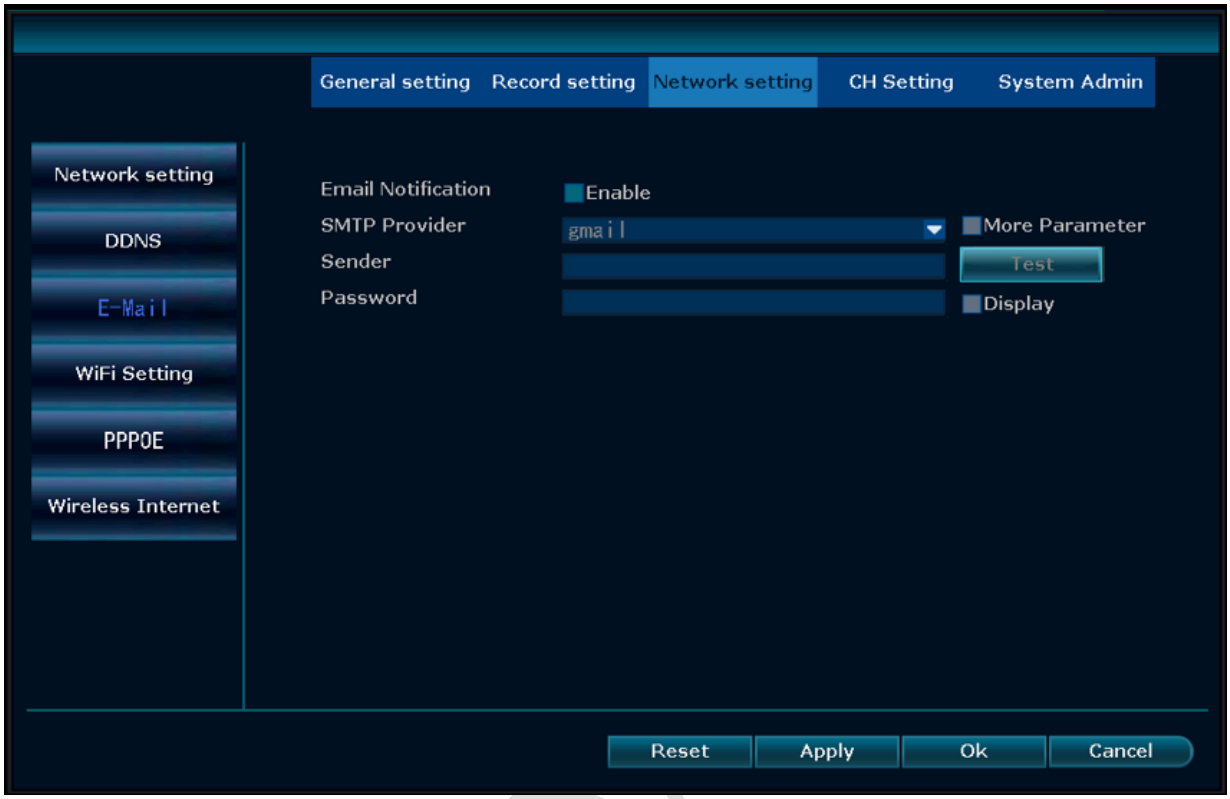


7.3.2 DDNS



1. **DDNS Function**: Enable or disable the usage of the DDNS service on the NVR.
2. **DDNS Provider:** Set to the DDNS server.
3. **URL:** Set to the URL name you created when registering your DDNS.
4. **Username**: The User ID created during the DDNS registration process.
5. **Password:** The password created during the DDNS registration process.
6. **Test:** Tests to ensure the configuration set is correct.
7. **Reset:** Restores the configuration to default values.

7.3.3 E-Mail



1. **Email Notification:** Allows you to Enable or Disable the email notifications.
2. **SMTP Provider:** The SMTP server of your sender email account, default by gmail.
3. **More Parameter:** Allows you to do more settings on email parameters.
4. **Sender:** The sender email address.
5. **Password:** The password of your sender email account.
6. **Display:** Check Display next to Password to show the password.
7. **Test:** Click Test to see if you've set it up successfully.

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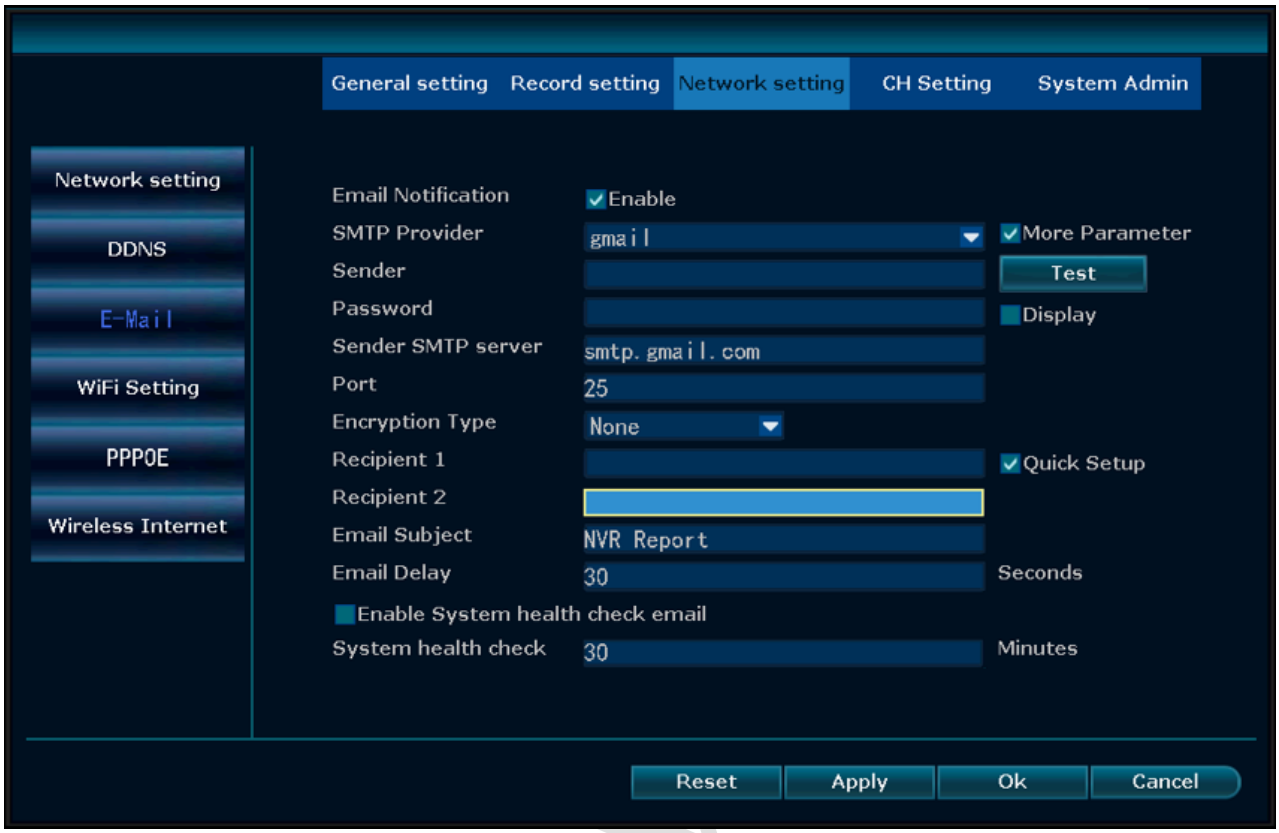
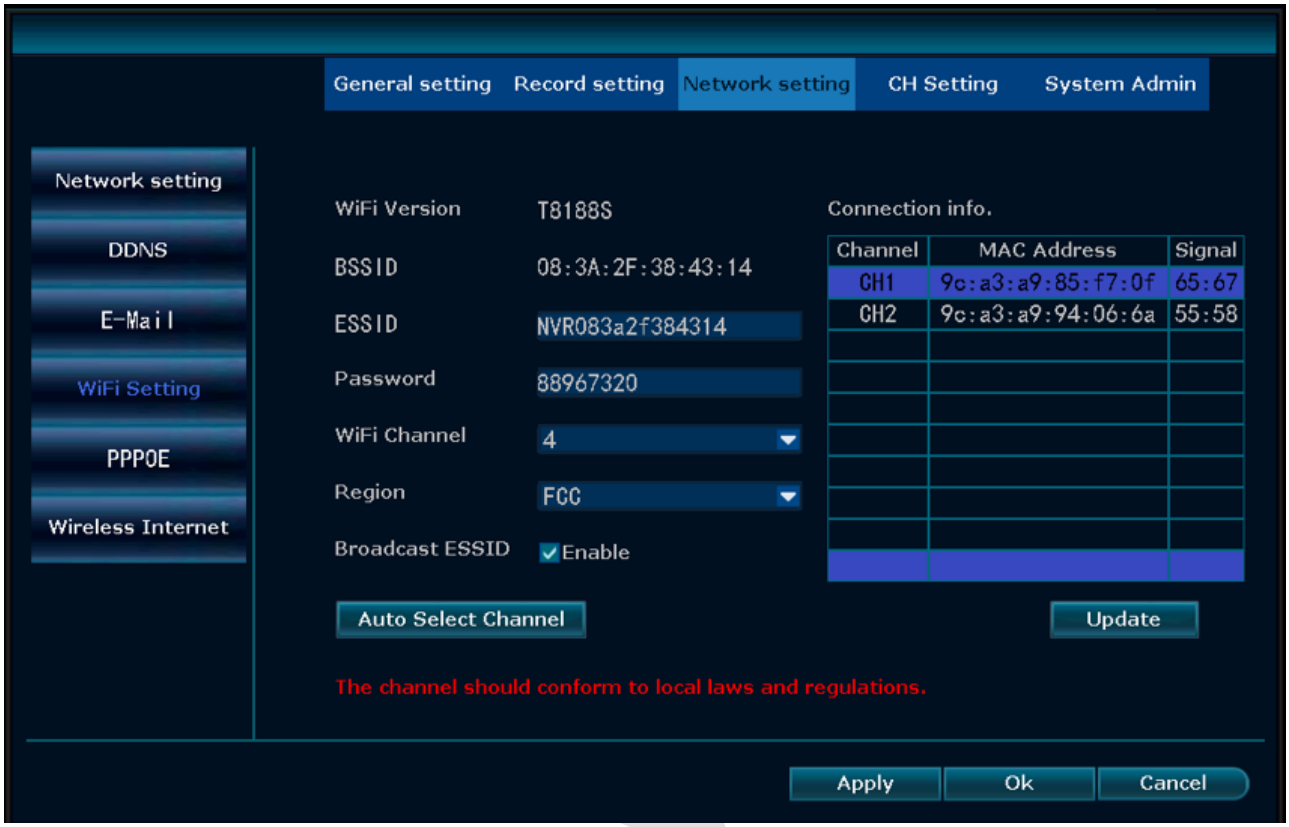
More Parameter:



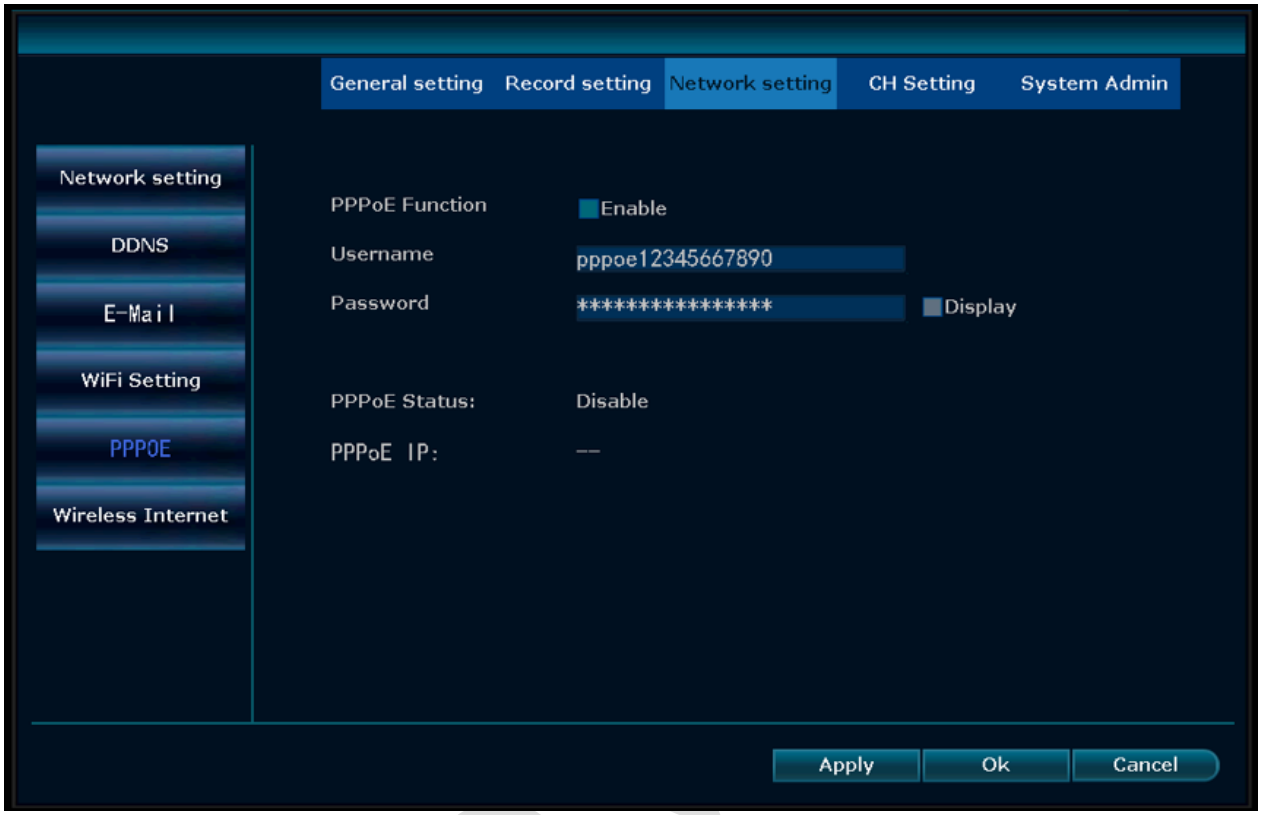
1. **Email Notification:** Allows you to Enable or Disable the email notifications.
2. **SMTP Provider:** The SMTP provider of your sender email account, default by gmail.
3. **More Parameter:** Allows you to do more settings on email parameters.
4. **Sender:** The sender email address.
5. **Test:** Click Test to see if you've set it up successfully.
6. **Password:** The password of your sender email account.
7. **Display:** Check Display next to Password to show the password.
8. **Sender SMTP server:** The SMTP server of your sender email account, default by smtp.gmail.com.
9. **Port:** The port number of the SMTP server.
10. **Encryption Type:** The encryption type of SMTP server.
11. **Receipient 1:** First email address of receiver email account.
12. **Receipient 2:** Second email address of receiver email account.
13. **Email Subject:** The title of email notifications.
14. **Email Delay:** The time delay on receiving email alerts.
15. **Enable System health check email:** Check to allow the system to send you system health check emails.
16. **System health check:** Set the time frequency of system health check.
17. **Reset:** Restores the configuration to default values.

7.3.4 WiFi Setting



1. **WiFi Version:** Shows the system's WiFi version.
2. **BSSID:** BSSID of NVR.
3. **ESSID:** ESSID of NVR. Do not modify it.
4. **Password:** NVR's WiFi password.
5. **WiFi Channel:** WiFi Channel of NVR. You can change it from drop-down list. As the hub for all cameras, the NVR's WiFi performance is crucial. To select a least-interfered WiFi channel for the NVR, ensures its performance not affected by other WiFi devices.
6. **Region:** Select the WiFi region for your NVR from drop-down list. Default value is recommended.
7. **Broadcast ESSID:** Enable or Disable it. Default is recommended.
8. **Connect Information:** Lists all of the MAC addresses for connected cameras and their signal strength.
9. **Auto Select Channel:** Click **Auto Select Channel,** the NVR will automatically select a WiFi channel with least WiFi interference.

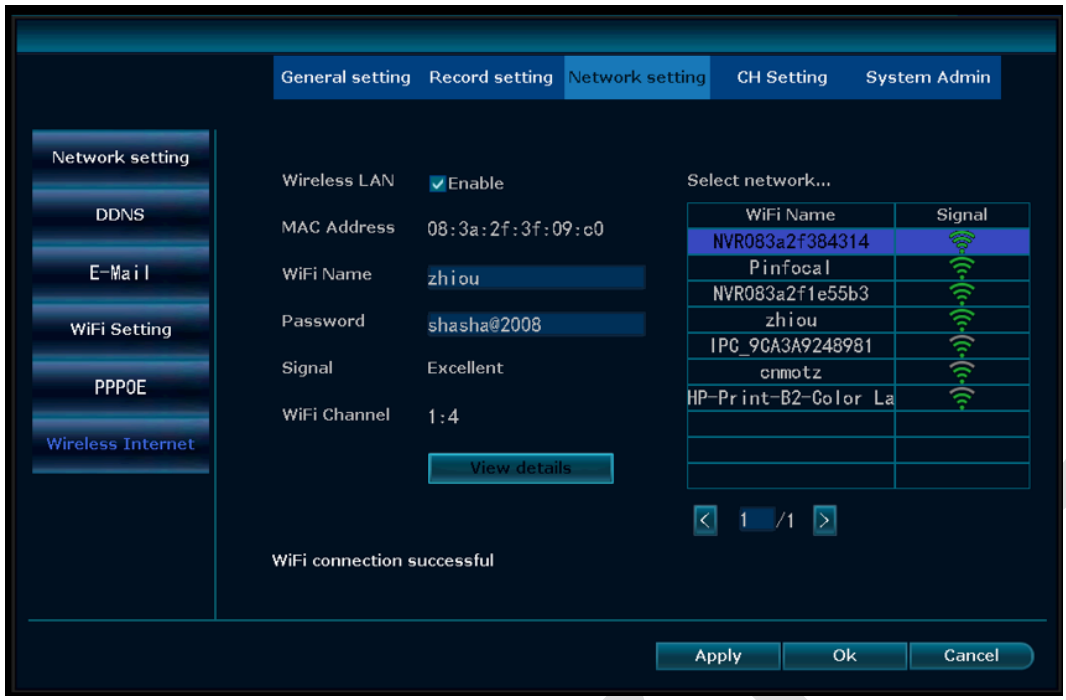
7.3.5 PPPoE



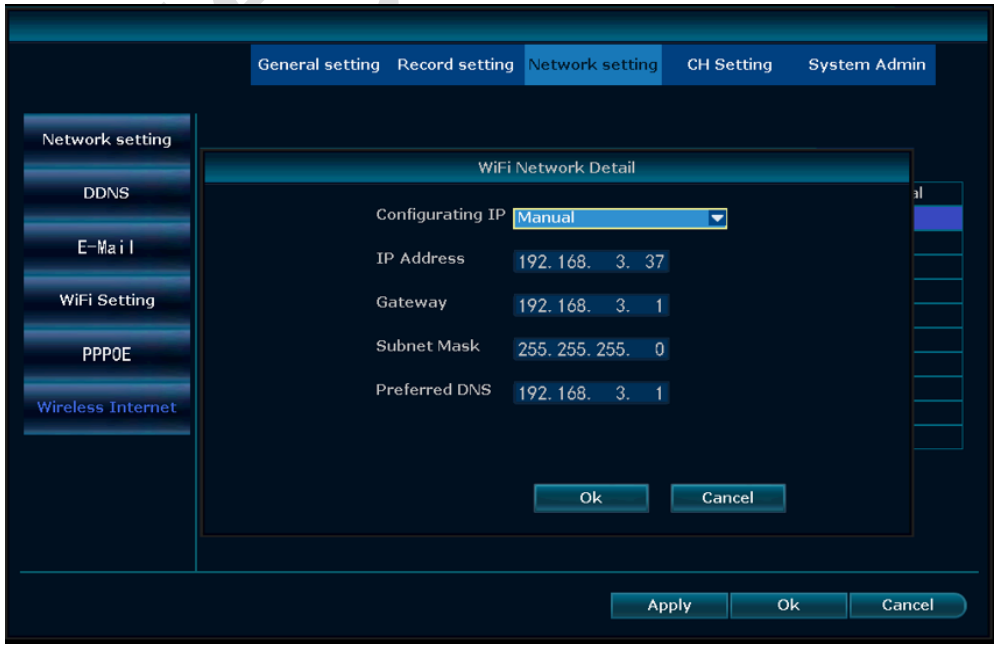
1. **PPPoE Function:** Check **to** enable and uncheck to disable it.
2. **Username:** Username of PPPoE.
3. **Password:** Password of PPPoE.
4. **PPPoE Status:** PPPoE status of the NVR.
5. **PPPoE IP:** PPPoE IP address of the NVR.

7.3.6 Wireless Internet

Wireless Internet will allow you to connect the NVR to your home network wirelessly over WiFi. No need to hardwire the NVR to your home router any more. This gives you more flexibility of NVR placement.

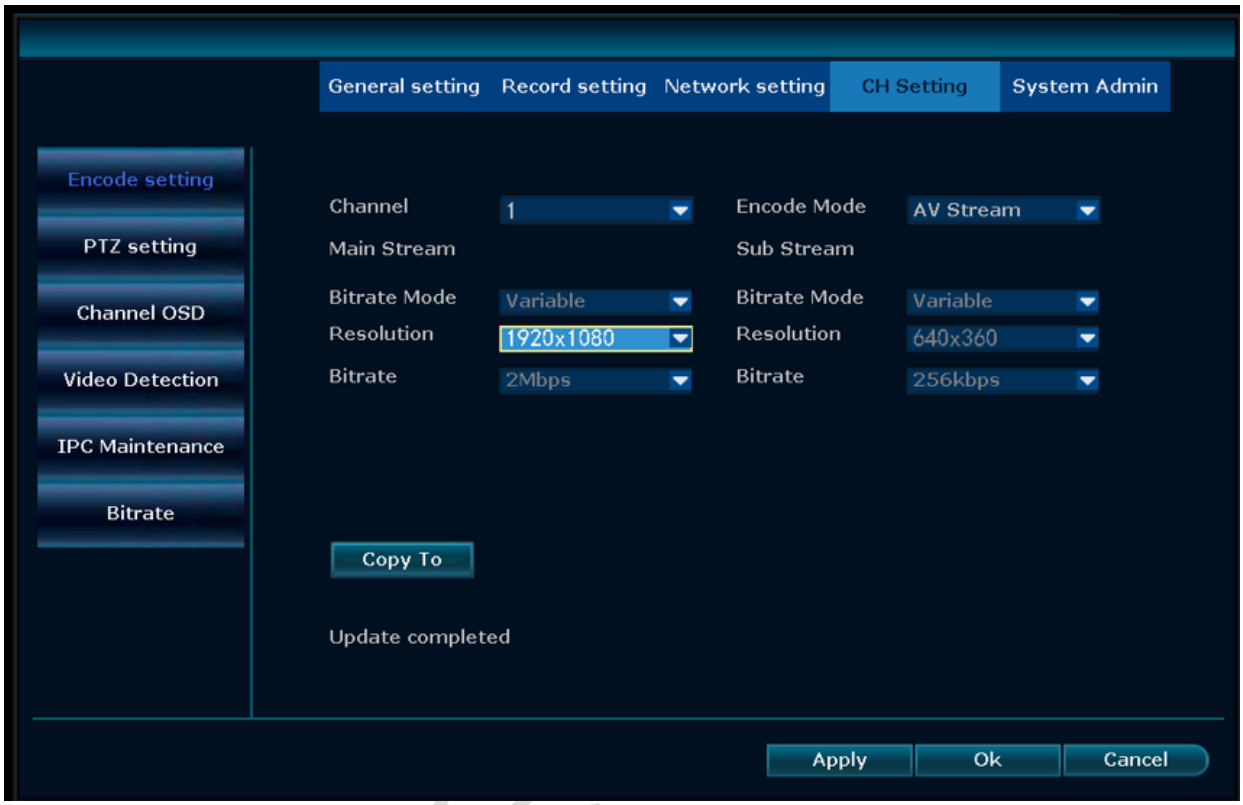


1. **Wireless LAN:** Check to enable and uncheck to disable it. Enable it, you can then set to connect NVR to your home network wirelessly.
2. **MAC Address:** MAC address of your home network.
3. **WiFi Name:** Your router's WiFi username.
4. **Password:** Your router's WiFi password.
5. **Signal:** Signal strength of the network.
6. **Select Network:** Select the network you want the NVR to connect to from the available list.
7. **WiFi Channel:** WiFi channel of the network.
8. **View Details:** Click to view more details of the network.



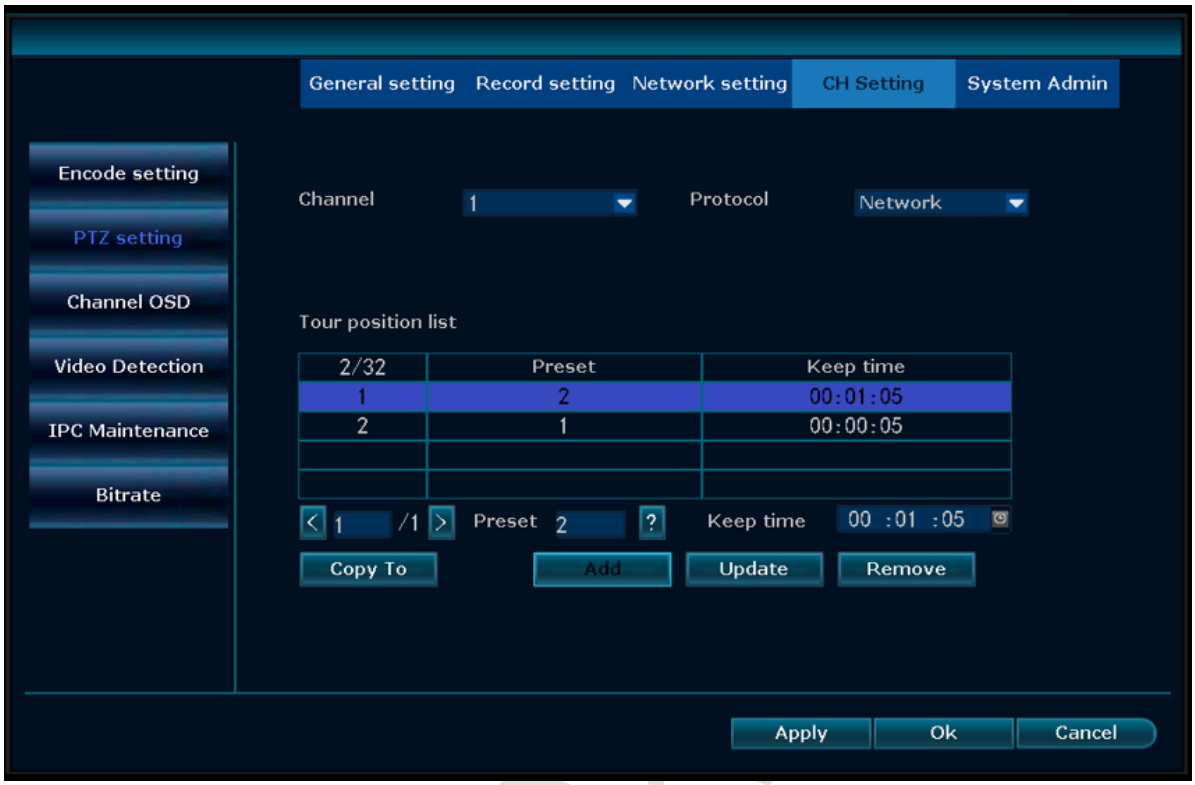
7.4 CH Setting

7.4.1 Encode setting



1. **Channel:** Select which channel to edit.
2. **Encode Mode:** Choose the stream mode: AV Stream or Video Stream Only.
3. **Bitrate Mode:** Bitrate mode of the selected channel.
4. **Resolution:** Choose a resolution based on your TV or monitor capabilities. Resolution by default is 1080p (1920 x 1080).
5. **Bitrate:** Adjusts the amount of data transferred while streaming. The default setting is sufficient for most networks.
6. **Main Stream/Sub Stream:** Sub stream values are set for an image with less bandwidth consumption (less resolution and limited rate).

7.4.2 PTZ setting



1. **Channel:** Select the channel you want to set PTZ.
2. **Protocol:** Shows the PTZ protocol.
3. **Tour position list:** List the presets you've set for selected channe/camera.
4. **Preset:** Move the camera to a wanted monitoring position and set a number for this Preset, then click Add. This monitoring position(preset) is added successfully. Click ? to go to PTZ Control interface.
5. **Keep time:** Set a time for the preset, like how long you want the camera to stay at this preset before tour to next preset.
6. **Add:** Allows you to add presets.
7. **Remove:** Allows you to remove presets.

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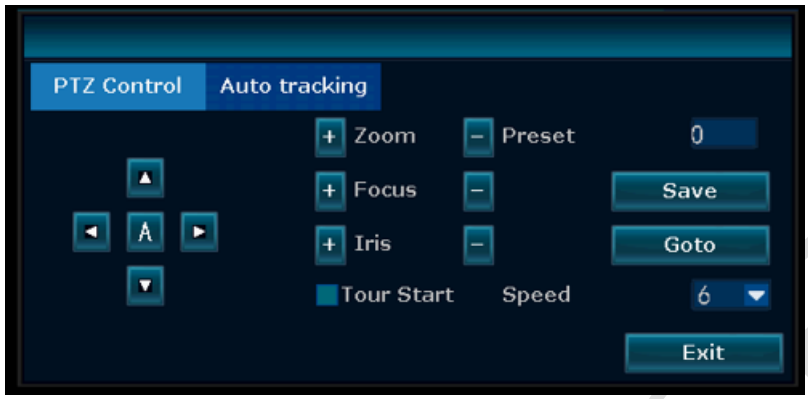
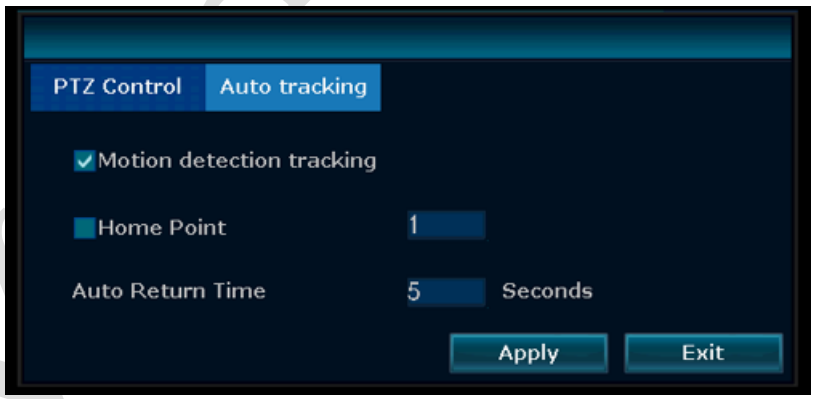
7.4.2(a) PTZ Control



1. **Arrow Keys:** Allows you to move the camera up and down, left and right.
2. **Presets:** Enter the number you set for each preset and click Goto, camera will move to the corresponding monitoring position automatically.
3. **Tour Start:** Check to enable camera auto cruise.

7.4.2(b) Auto Tracking



1. **Motion detection tracking:** Check to enable auto tracking of selected camera.
2. **Home Point:** Check to enable the Home Point of the selected camera. Once checked, camera will automatically return to its home point(guard point) when auto tracking is complete.
3. **Auto Return Time:** Set the auto return time for the camera.

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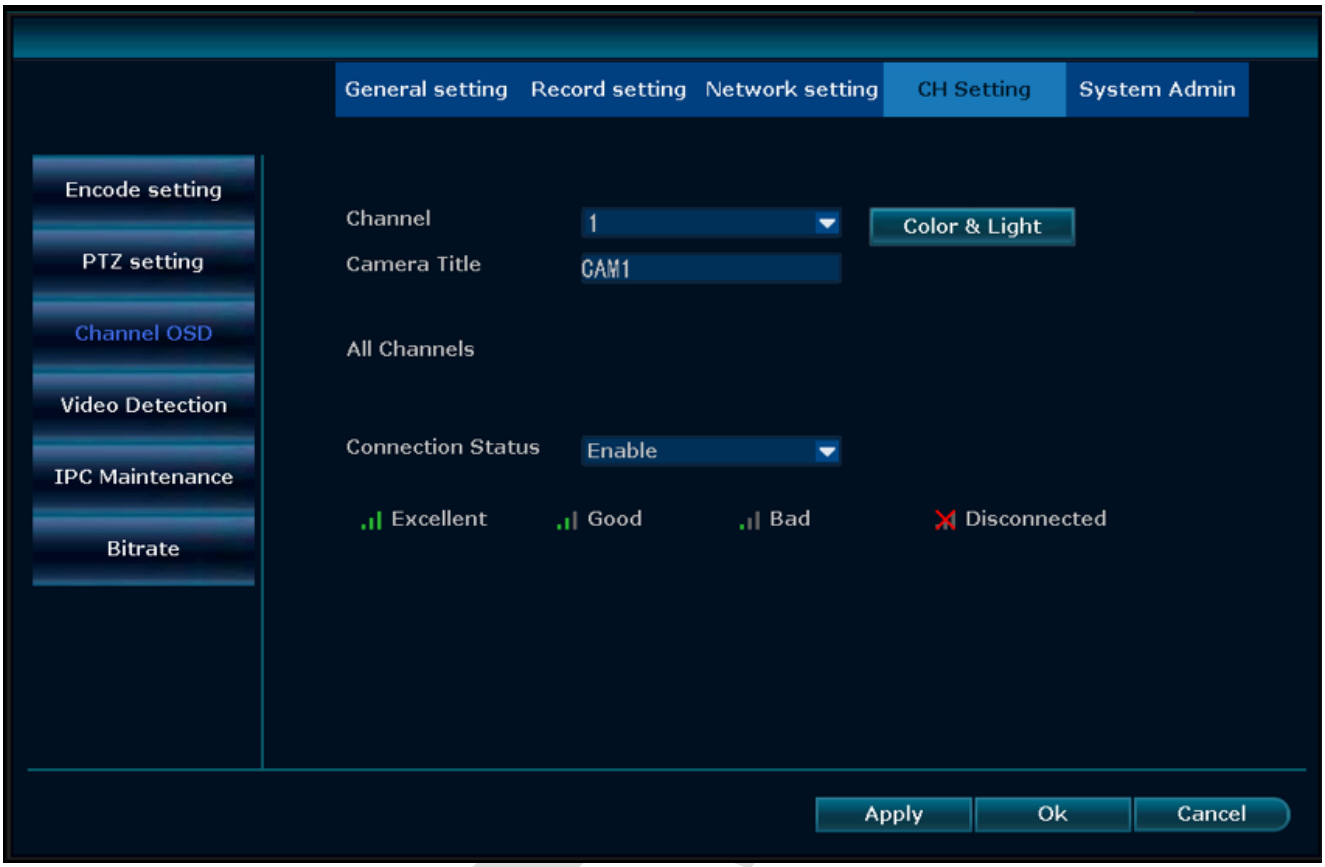
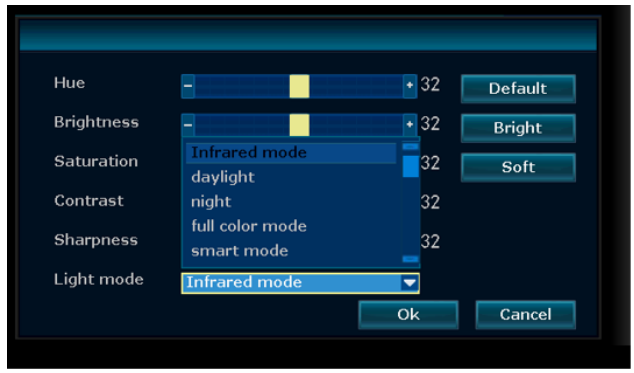
7.4.3 Channel OSD



1. **Channel:** Allows you to select which channel/camera to modify.
2. **Camera Title:** Shows the current name and allows you to edit the name of the selected camera.
3. **Connection Status:** Enable or Disable the camera connection status.
4. **Color & Light:** Will direct you to Color & Light interface, which allows you to modify video image settings for the selected camera.

7.4.3(a) Light & Color

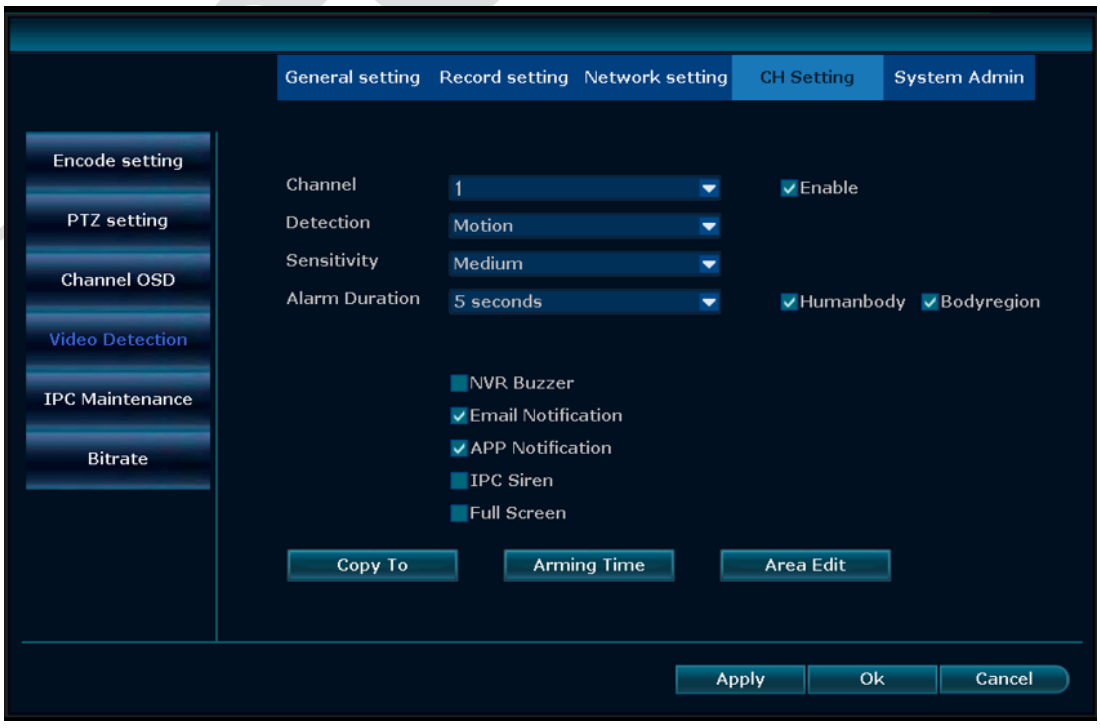


1. **Hue:** Changes the color mix of the image.
2. **Brightness:** Changes how light the image appears. This feature does not extend or enhance night vision mode.
3. **Saturation:** Alters how much color is displayed in the image. The higher the saturation, the more bright and vivid colors will appear.
4. **Contrast:** Increases the difference between the blackest black and the whitest white in the image. Useful if sections of the image are “grayed out”. However, setting the contrast too high will degrade the image quality.
5. **Sharpness:** Adjust the sharpness of the image.
6. **Default:** Resets the image to its default values.
7. **Bright:** Sets a predefined value to show a brighter image.
8. **Soft:** Sets a predefined value to show a softer image.

Light mode: Select the night vision mode for the selected camera. Five night vision modes are available.

1. **Infrared mode:** Infrared LEDs turn on at night and camera displays black & white video.
2. **Daylight:** Infrared LEDs do not turn on at night and camera stays at daylight mode. Do not choose this, otherwise camera won’t see anything at night as IR LEDs are off.
3. **Night:** Camera stays at night vision mode, it displays black and white video at daytime. Not recommended.
4. **Full color mode:** Floodlights will turn on at night and camera displays full color video at night.
5. **Smart mode:** Infrared LEDs turn on and camera displays black and white video at night, when motion is detected, floodlights will turn on automatically and camera video switches to full color.

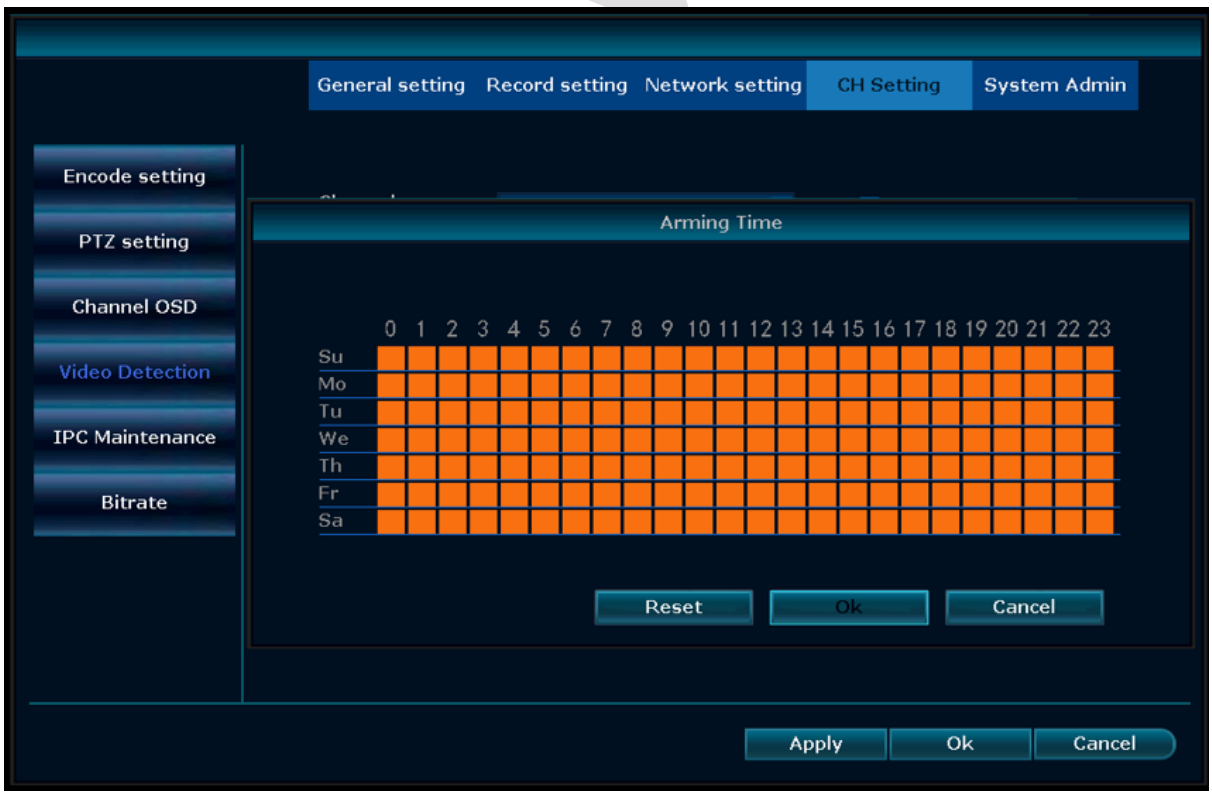
7.4.4 Video Detection



Preview

1. **Channel:** Select the channel for which you want to adjust motion alarm settings. Check Enable next to channel to enable motion alarm.
2. **Detection:** Select the detection type from drop-down list.
3. **Sensitivity:** Adjust the sensitivity of the motion sensor for the channel selected. A lower setting will require more movement in the camera range to trigger motion.
4. **Alarm Duration:** Set the alarm duration time for the selected channel.
5. **Humanbody:** Check to enable human detection.
6. **Bodyregion:** Check to highlight human in the picture/video. Check Bodyregion, the person in the picture will be framed with a red box.
7. **NVR Buzzer:** Enable or Disable the NVR buzzer on motion detection.
8. **Email Notification:** Enable or Disable the email notifications being sent to your email account.
9. **APP Notification:** Enable or Disable the push notifications being sent to your smart device.
10. **IPC Siren:** Enable or Disable the loud siren sounded by the camera when motion is detected.
11. **Full Screen:** If checked, NVR will switch that channel to full screen automatically when motion is detected.
12. **Copy To:** Allows you to copy settings of current channel to other channels.
13. **Arming Time:** Click to schedule the motion detection time of selected channel.
14. **Area Edit:** Area Setup will allow you to configure the motion detection area. Blue boxes denote areas that will detect motion whereas uncolored boxes denote areas that will not detect motion. When finished, right click to return to the menu.

7.4.4 (a) Arming Time Schedule



1. **Time Diagram:** Shows a diagram (hours of the day x day of the week). Use this diagram to schedule the arming time.

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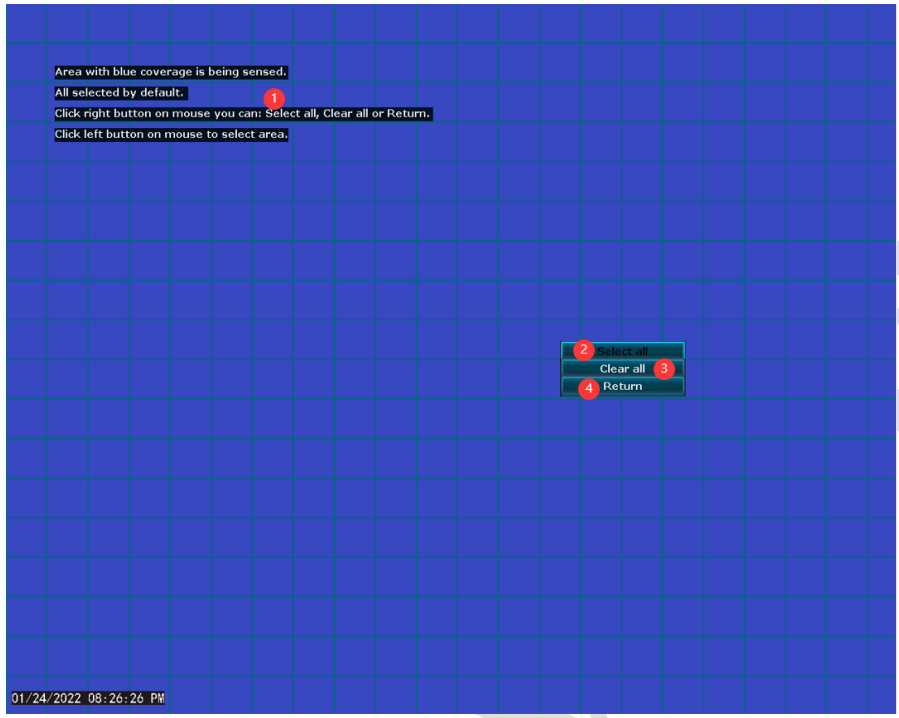
7.4.4 (b) Area Setup



1. **Instructions:** A series of instructions on how to set the motion detection area. Blue boxes denote areas that will detect motion whereas uncolored boxes denote areas that will not detect motion. When finished, right click to return to the menu and click Apply to save changes.
2. **Select All:** Selects the entire screen for motion detection.
3. **Clear All:** Deselects the entire screen and prevents motion alerts/recordings from being triggered.
4. **Return:** Returns to the Video Detection submenu.

7.4.5 IPC Maintenance

IPC maintenance will allow you to check your cameras' firmware version and upgrade them.

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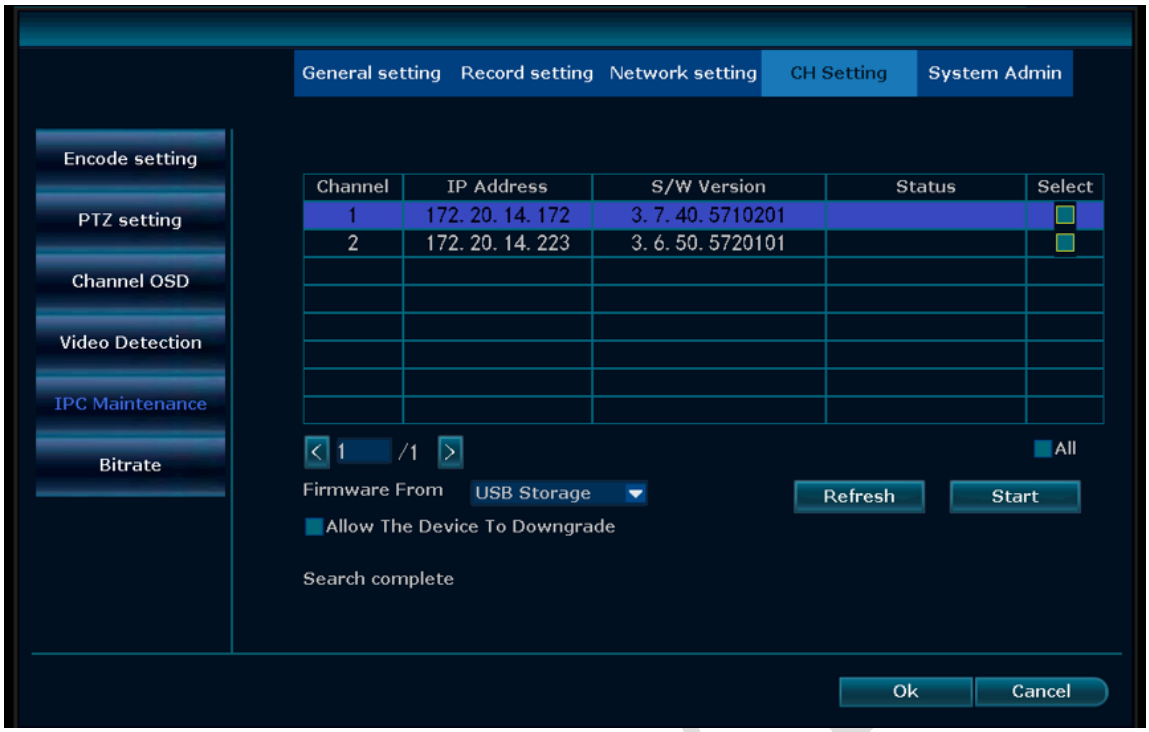


1. **Table:** Shows the IP and firmware version of all connected cameras.
2. **Firmware From:** Allows you to choose the source of the firmware upgrade (Network or USB).
3. **Start:** Begins the process of updating the firmware of the selected camera.
4. **Allow The Device To Downgrade:** Enable to allow the cameras to downgrade firmware and Disable to not allow. Downgrade camera firmware can only be done through USB.

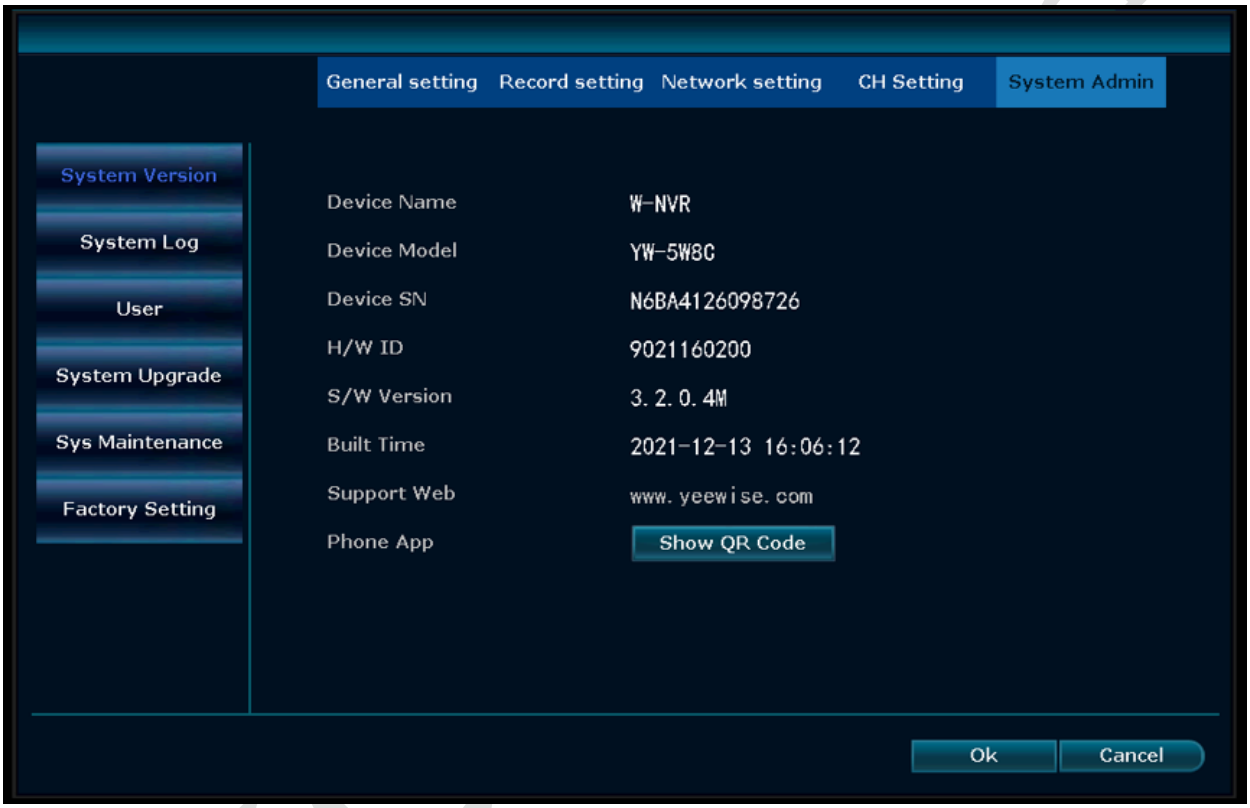
7.4.6 Bitrate

Display the cameras' bitrate information.

7.5 System Admin

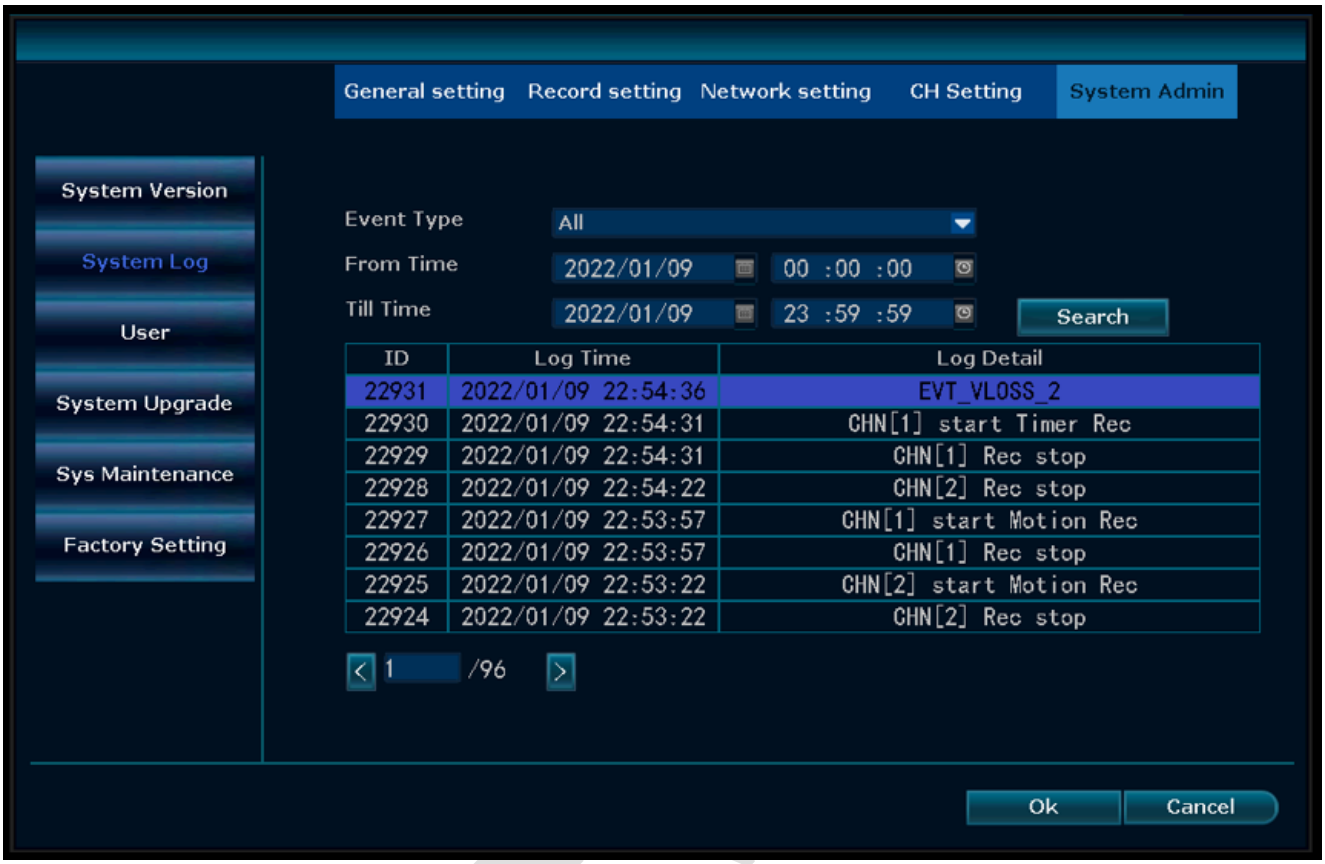
The System menu will allow access to the system information, including System Version, System Log, User Management, System Upgrade, System Maintenance and Factory Restore. From these submenus, it will be possible to manage the settings for those categories of the NVR.

7.5.1 System Version



1. **Device Name:** Displays your NVR name.
2. **Device Model:** Displays your NVR model number.
3. **Device SN:** Displays your NVR serial number.
4. **H/W ID:** Unique Device ID number that identifies your NVR.
5. **S/W Version:** The current firmware version of your NVR.
6. **Built Time:** The date and release time for the current firmware.
7. **Support Web:** Yeewise support site web address.
8. **Phone App:** Click to show the app QR code. Scan to download the app for remote access.

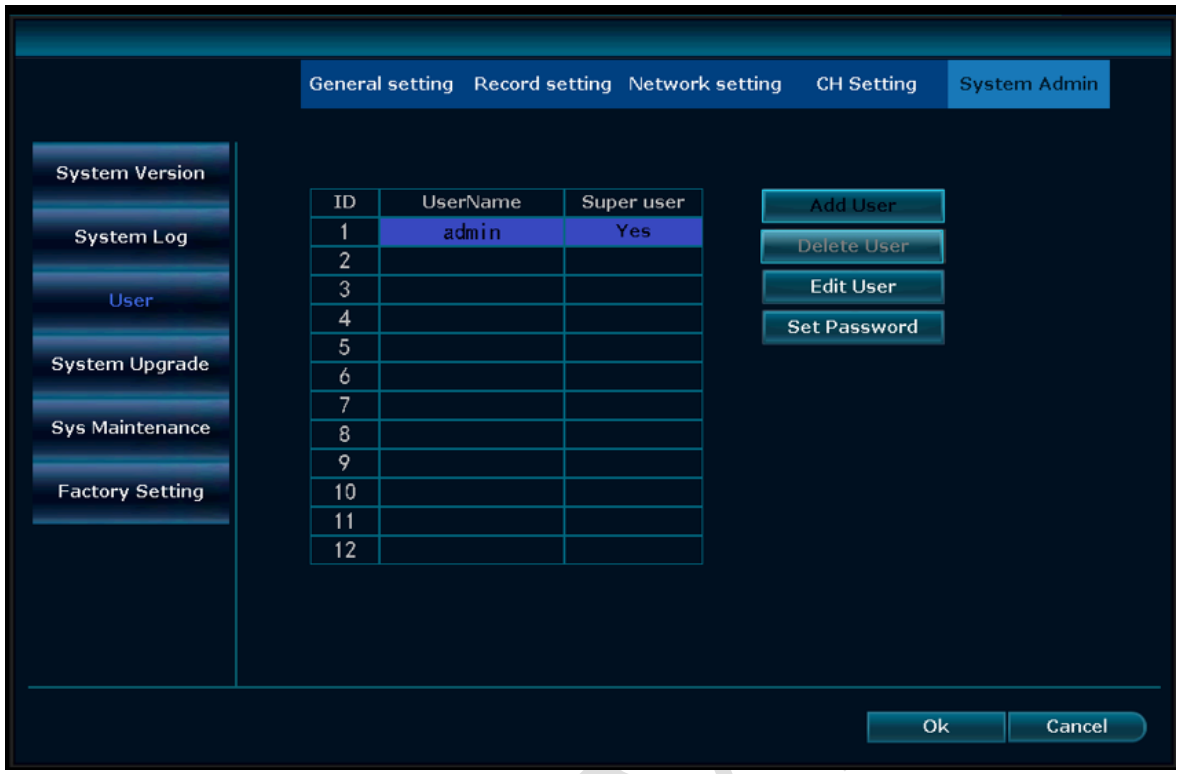
7.5.2 System Log



1. **Event Type:** Select the type of event log you would like to *Search* for. Each choice corresponds to an action or event that was triggered and noted within the system.
2. **From Time:** The date and time to start the search.
3. **Till Time:** The date and time to finish the search.
4. **Search:** Performs a search of the logs. All items found will appear in the table.
5. **Table:** Lists all the events found under your search parameter.

7.5.3 User Management

Allow users to add, delete and edit username and password.



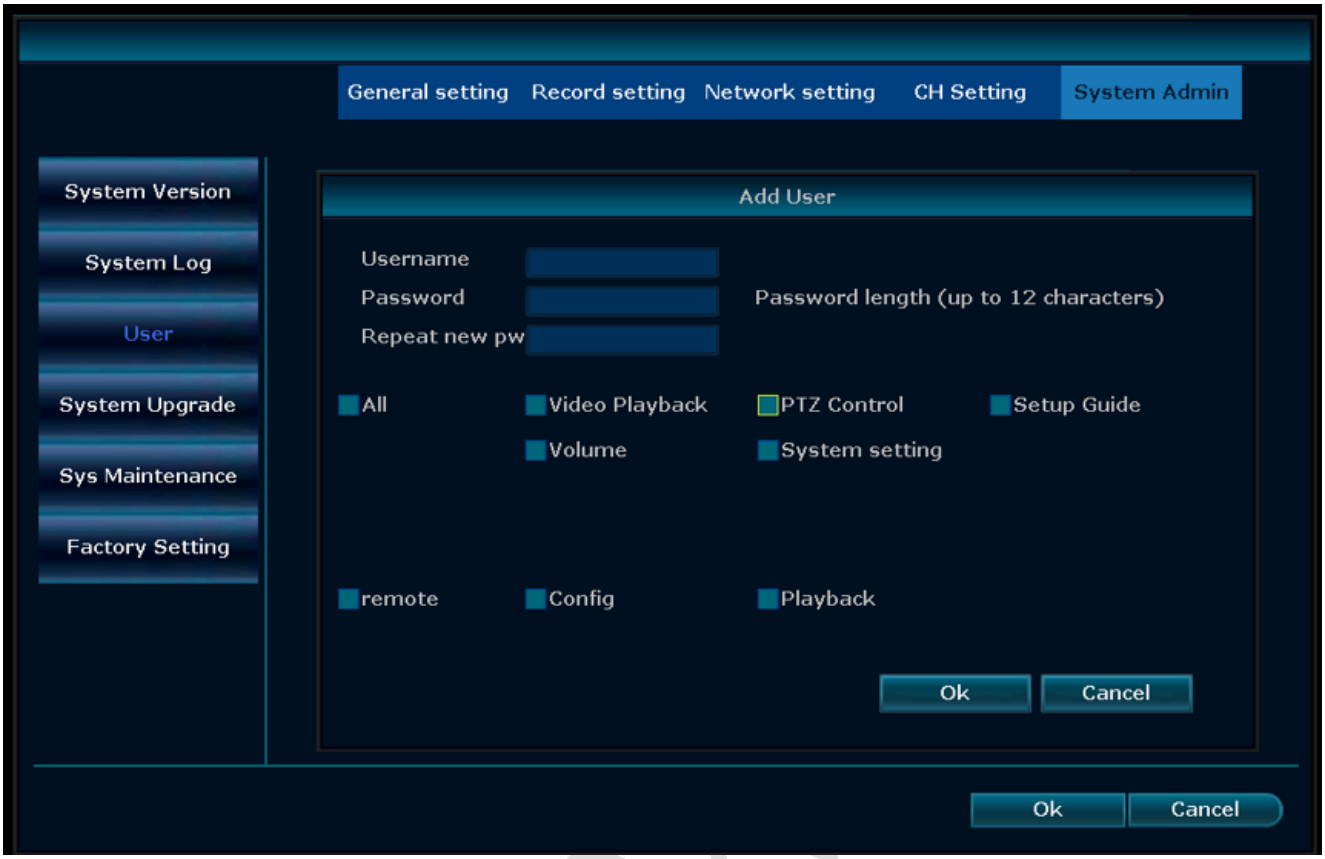
1. **Add User:** Allow you to add a new user to the NVR and authorize this new user permissions.
2. **Delete User:** Allow you to delete existed user.
3. **Edit User:** Allow you to modify permissions of a user.
4. **Set Password:** Set or change the password for the selected user.

NOTE:

- The default username is admin; default password is empty, means no password.
- Administrator can add, delete, and edit users and their permissions.
- Administrator cannot be deleted.

7.5.3(a) Add User

yeew

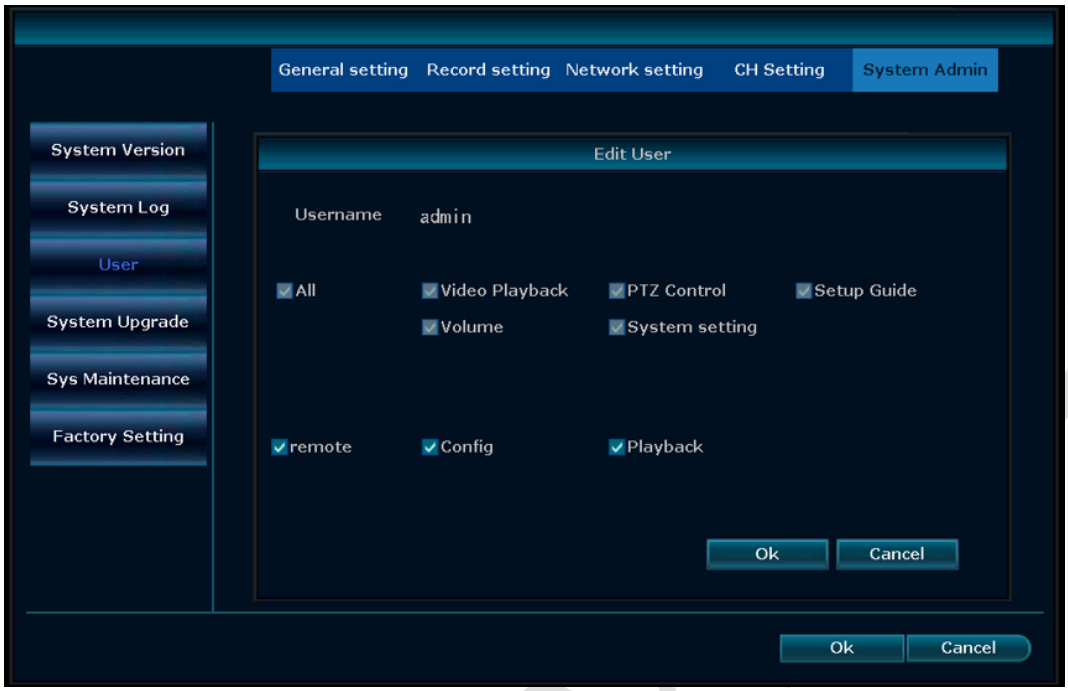


1. **Username:** Create a username for the new user.
2. **Password:** Create a password for the new user.
3. **Repeat new pw:** Re-enter the password you created for the new user.
4. **All:** Check to authorize all permissions next to All for this new user.
5. **Remote:** Check to authorize permissions next to Remote for this new user.

NOTE: If you don't want to authorize some permissions for this new user, uncheck the option.

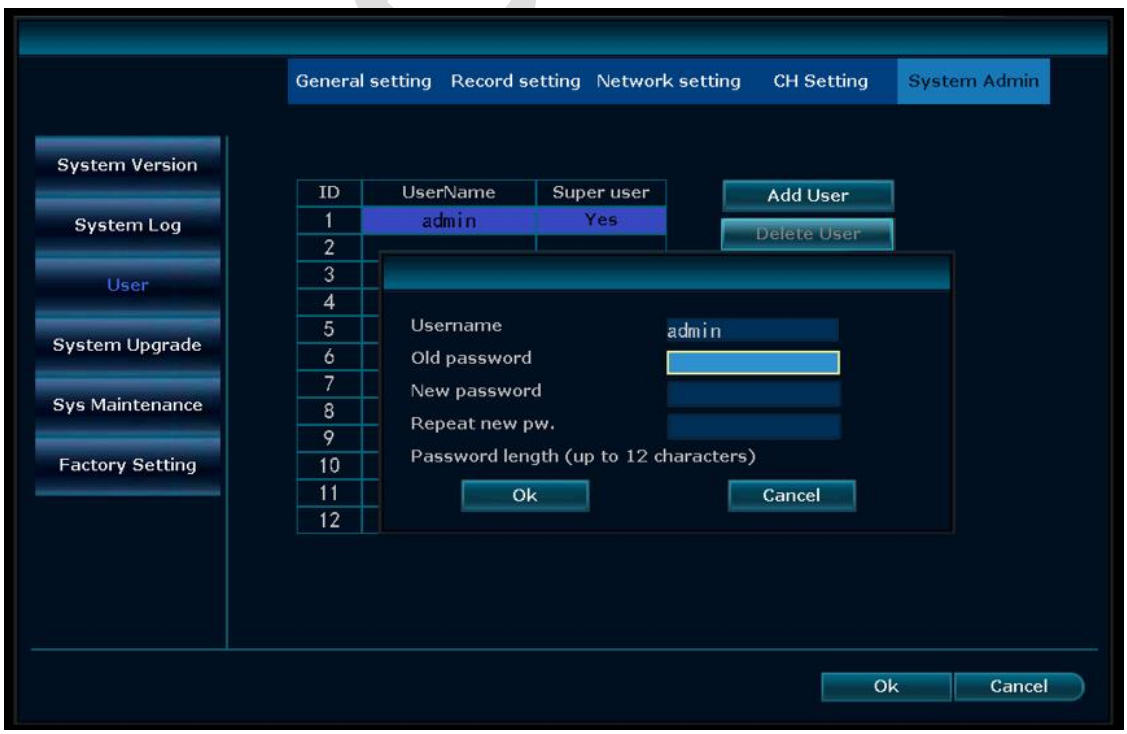
yeev

7.5.3(b) Edit User



7.5.3(c) Set Password

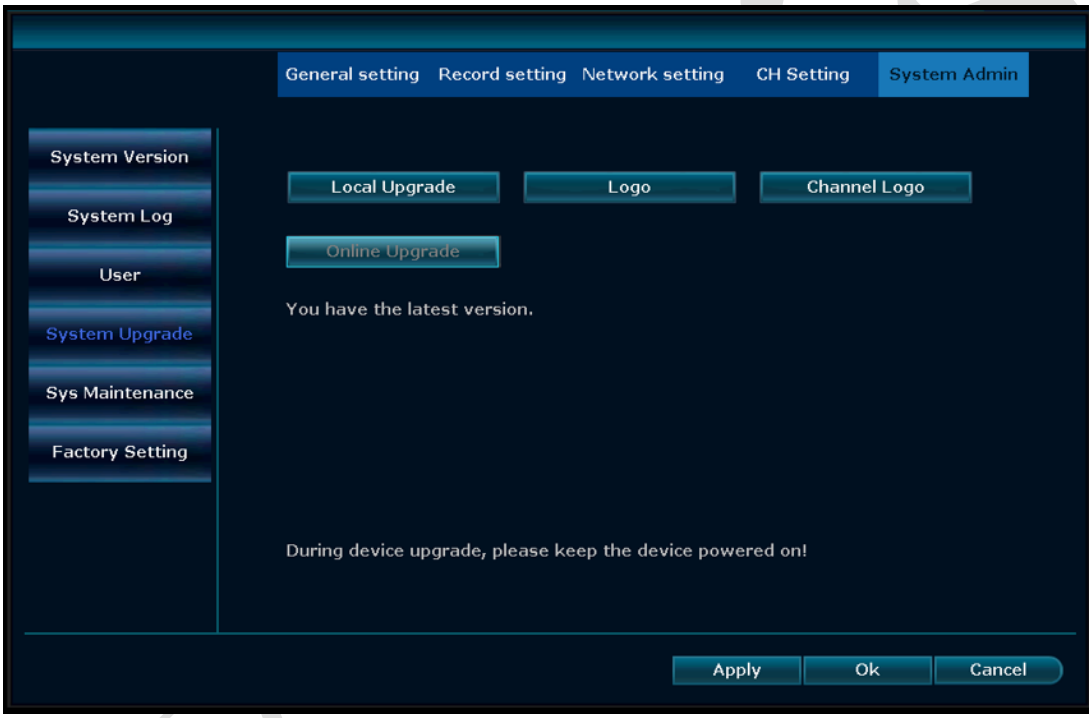
Allow you to set and modify password for a user.



Permission Explanation:

1. **Video playback:** Able to search and playback videos stored on the hard drive.
2. **PTZ control:** Control the PTZ movement and cruise.
3. **Setup Guide:** Guide the user to make basic settings at starting up.
4. **Volume:** Control the audio output volume.
5. **System setting:** Including normal setting, record setting, network setting, channel setting and system management.
6. **Remote configuration:** Configure device's parameters when remote access.
7. **Remote playback:** Remote playback the recorded videos.

7.5.4 System Upgrade

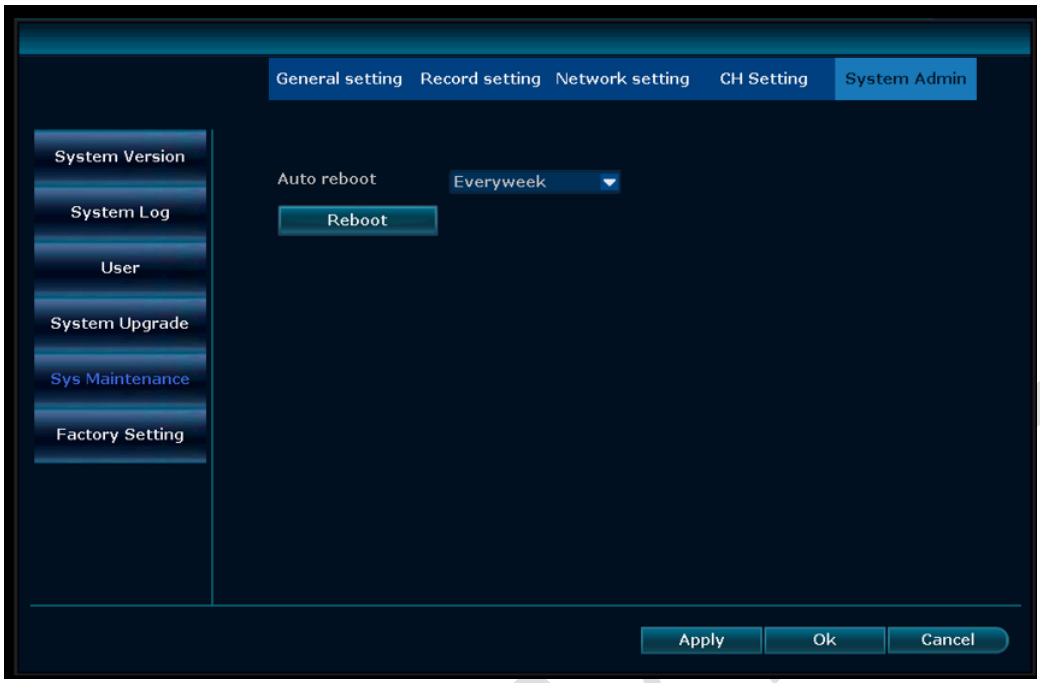


1. **Local Upgrade:** Upgrade NVR firmware through USB.
2. **Logo:** Update system logo.
3. **Channel Logo:** Update channel logo.
4. **Online Upgrade:** Upgrade NVR firmware online. Your NVR must be connected to Internet.

How to upgrade NVR through USB:

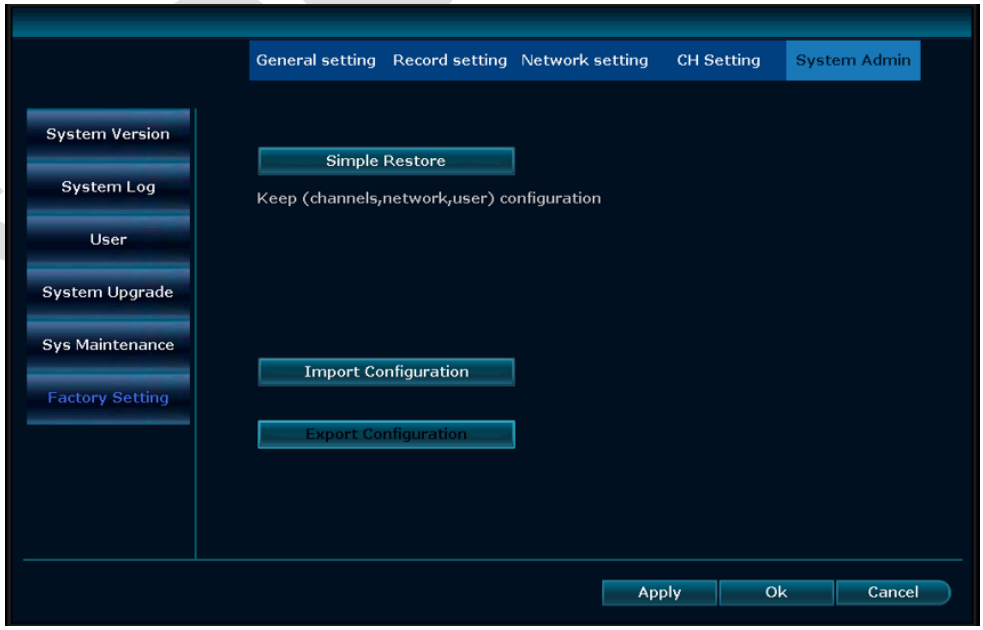
1. Copy and save the new firmware to your USB flash drive's root category. Do not put it in any folder.
2. Plug the USB flash drive to one of NVR's USB ports.
3. Go to System setting > System Admin > System Upgrade. Click Local Upgrade. Wait for the NVR to upgrade. It may take a few minutes.

7.5.5 System Maintenance



1. **Auto Reboot:** Determine how often an auto reboot will occur.
2. **Reboot:** Manually reboot the NVR.

7.5.6 Factory Setting



1. **Simple Restore:** Simple restore the NVR to factory default.
2. **Important Configuration:** Import configurations for the NVR.
3. **Export Configuration:** Export configurations of the NVR.

Chapter 8: Mobile View Setup

Basic setup and troubleshooting for the WallPixel Mobile App.

8.1 Initial Setup

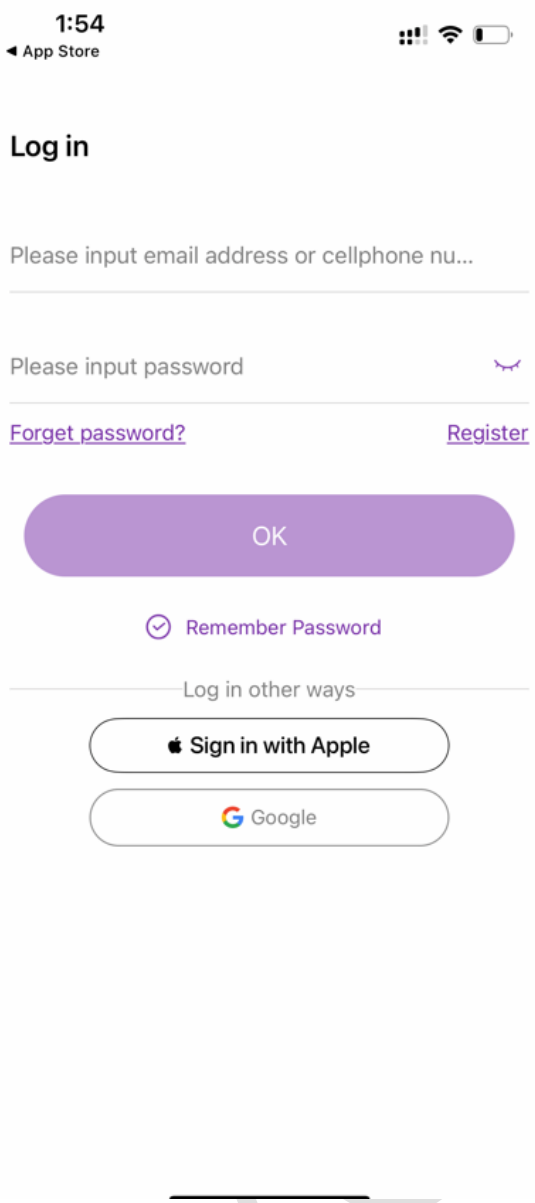
8.1.1 Downloading the WallPixel App

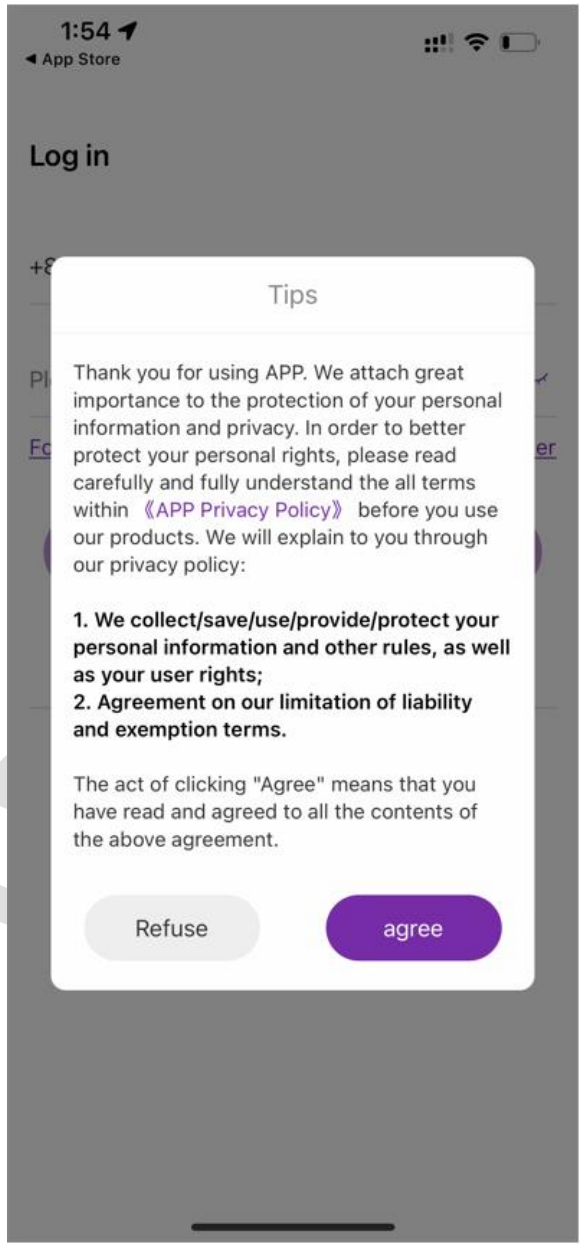
Go to the Google Play Store (Android) or App Store (iOS) to download and install the WallPixel App on your Smart Device.

NOTE: Before you continue with the initial setup of the Night Owl Connect App and product pairing, ensure that your Wi-Fi router is transmitting signals at 2.4Ghz band. Currently, some products are not compatible with Wi-Fi signals of 5Ghz or above.

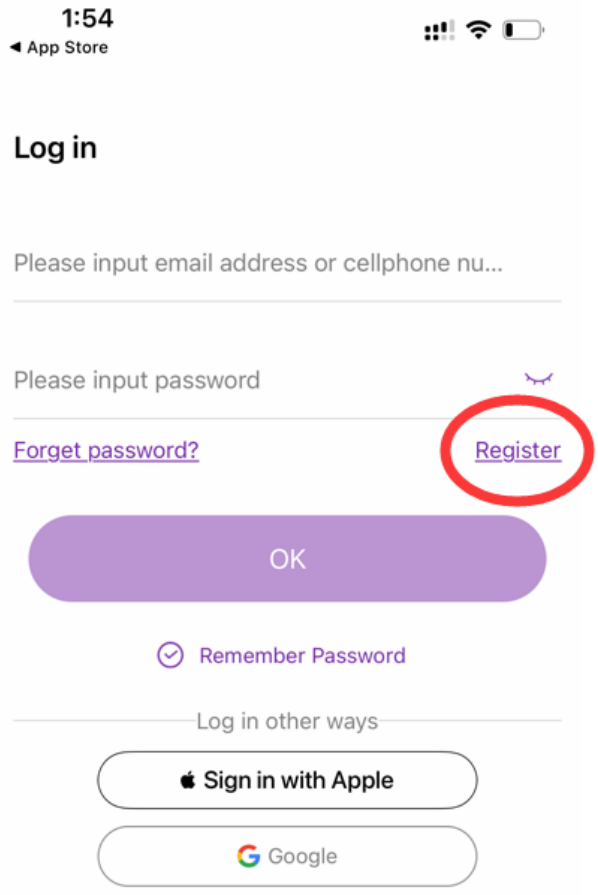
8.1.2 Creating an Account & Log In

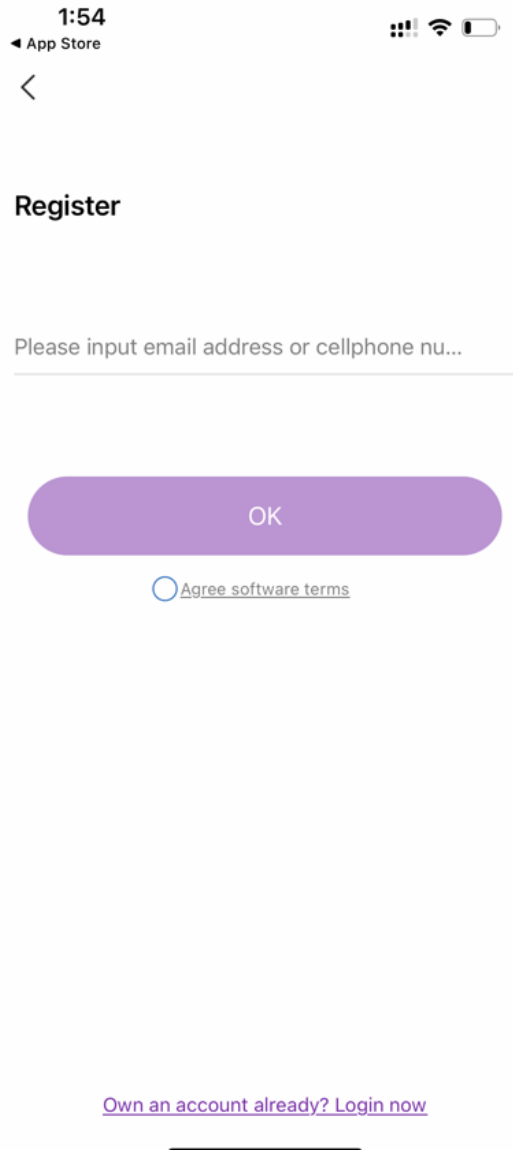
1. Tap the app to open it. You must agree to the terms and conditions to use the App. Tap "**Agree**" to continue.



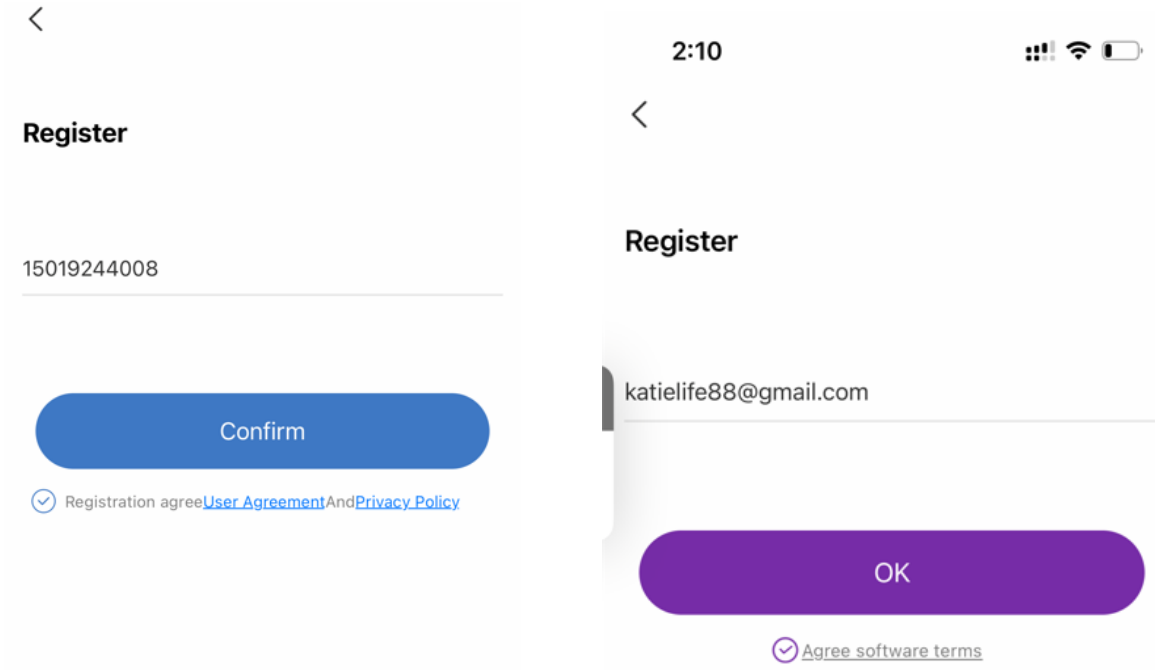


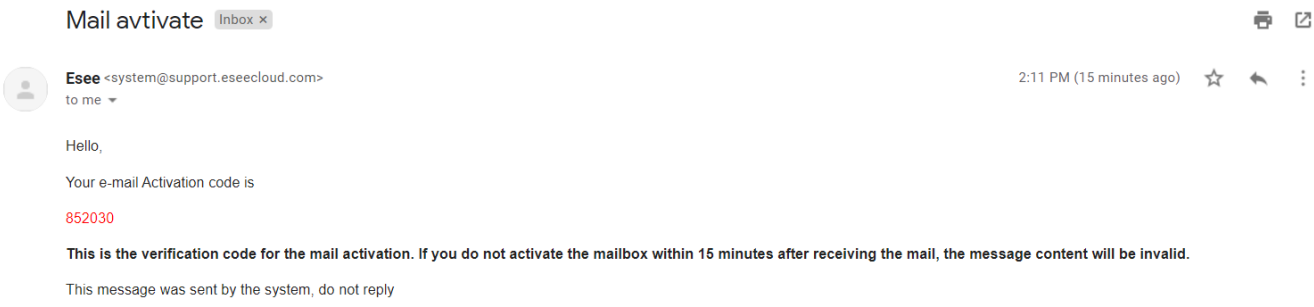
2. Click Register to start creating an account. You can also login directly with your Apple account or Google account.





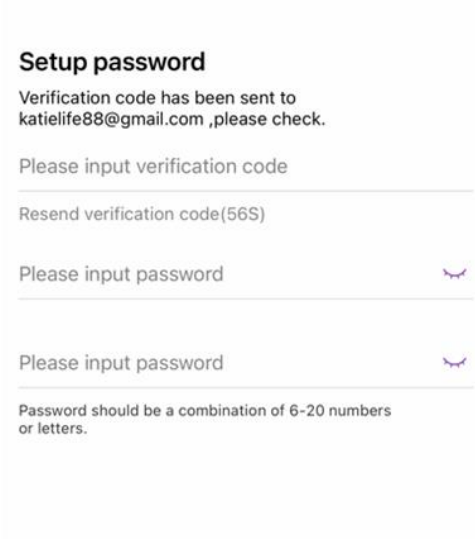
3. Enter a valid email address or phone number and click OK. You'll receive an activation code in your email from Esee to verify your email address or a verification code in your phone to verify your phone number.

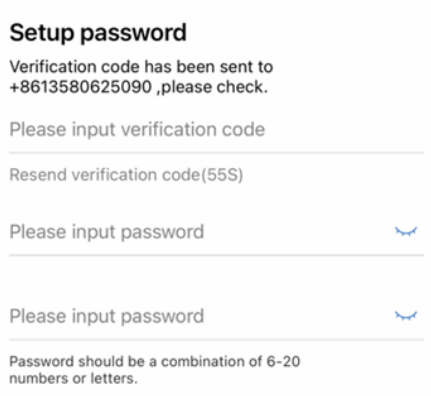




4. Enter the verification code, create a password, and confirm the password. The password can be any alphanumeric combination between 6 and 20 characters. Tap "**OK**" to proceed.

NOTE: This is ONLY the password for the WallPixel App, not the password for your DVR/NVR or device.





5. Congratulations! Your WallPixel account has been successfully created. You can now login the app to add your device.

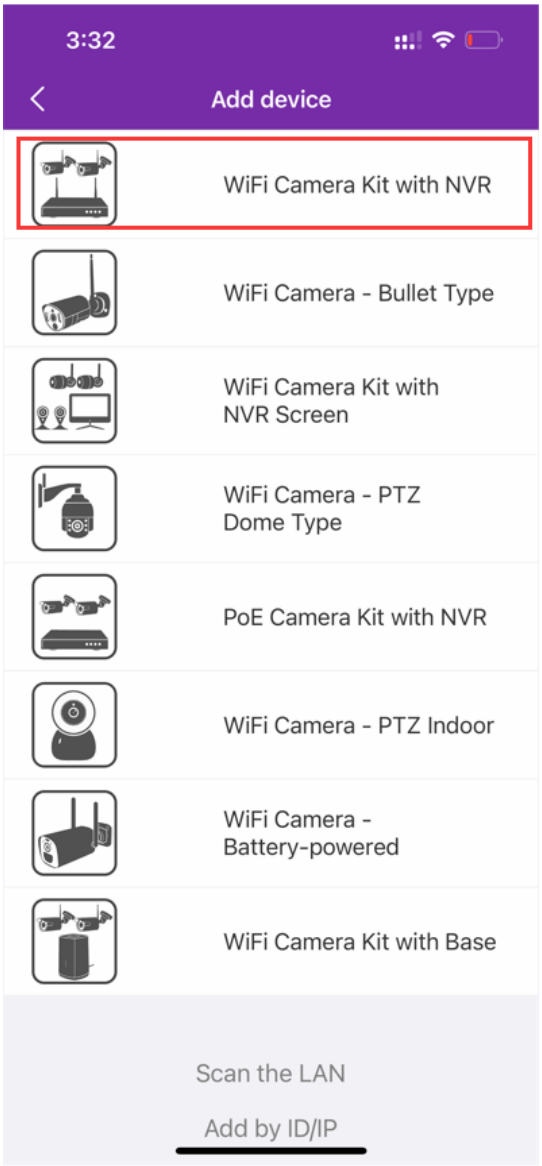
NOTE: If you do not remember your password, tap "Forget Password" to retrieve your password.

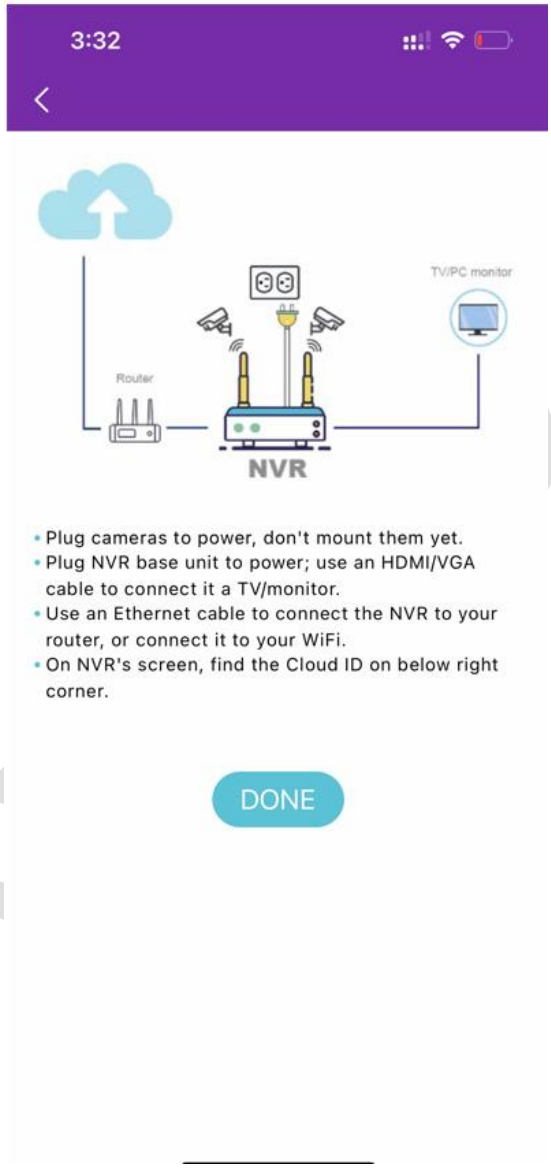
8.1.3 Adding a Device

Before proceeding, please ensure that your NVR(Recorder) is connected to the Internet. Once connected, please follow the steps below:

1. Please log in to the App and tap "**Add smart device**".
2. Tap "**WiFi Camera Kit with NVR**" to add your system. Read the tips and make sure that you've finished above, then click "**DONE**" to proceed.

Yeswi

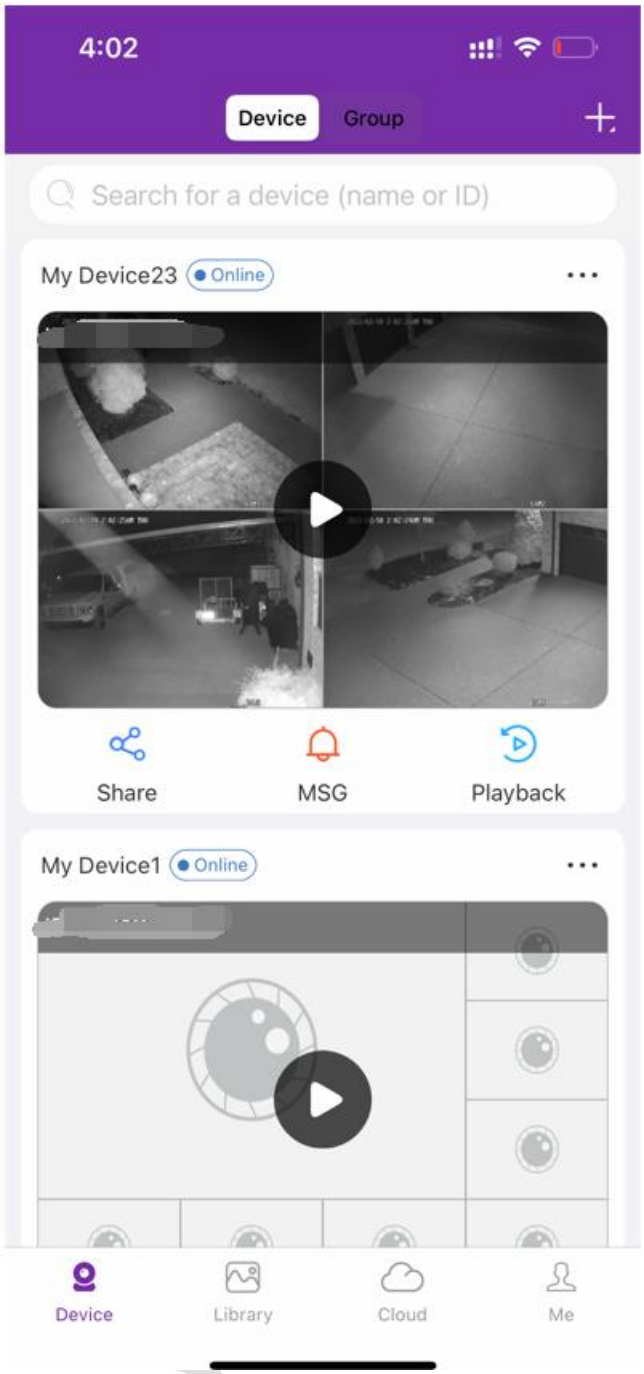




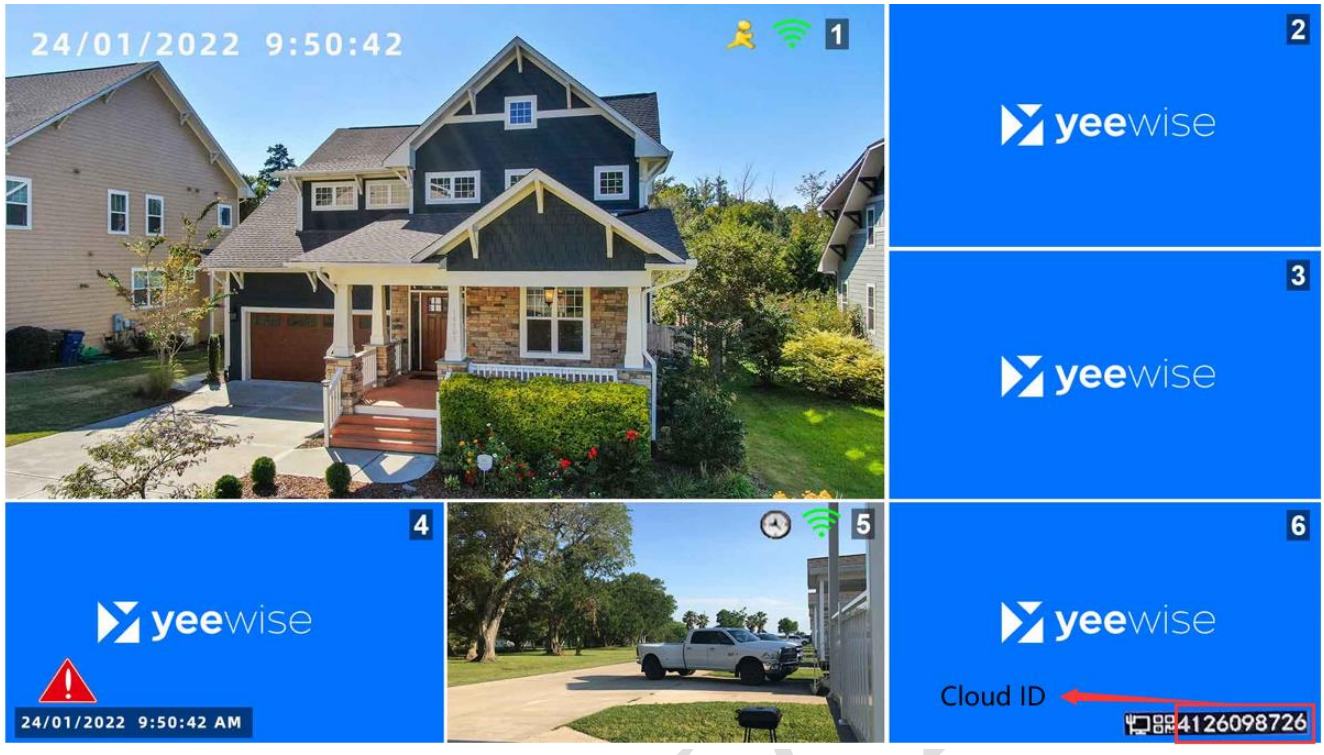
3. Input Cloud ID, name your device and enter the password used to log in to your NVR(Recorder). Tap “Save” to complete this process and begin live viewing your cameras.

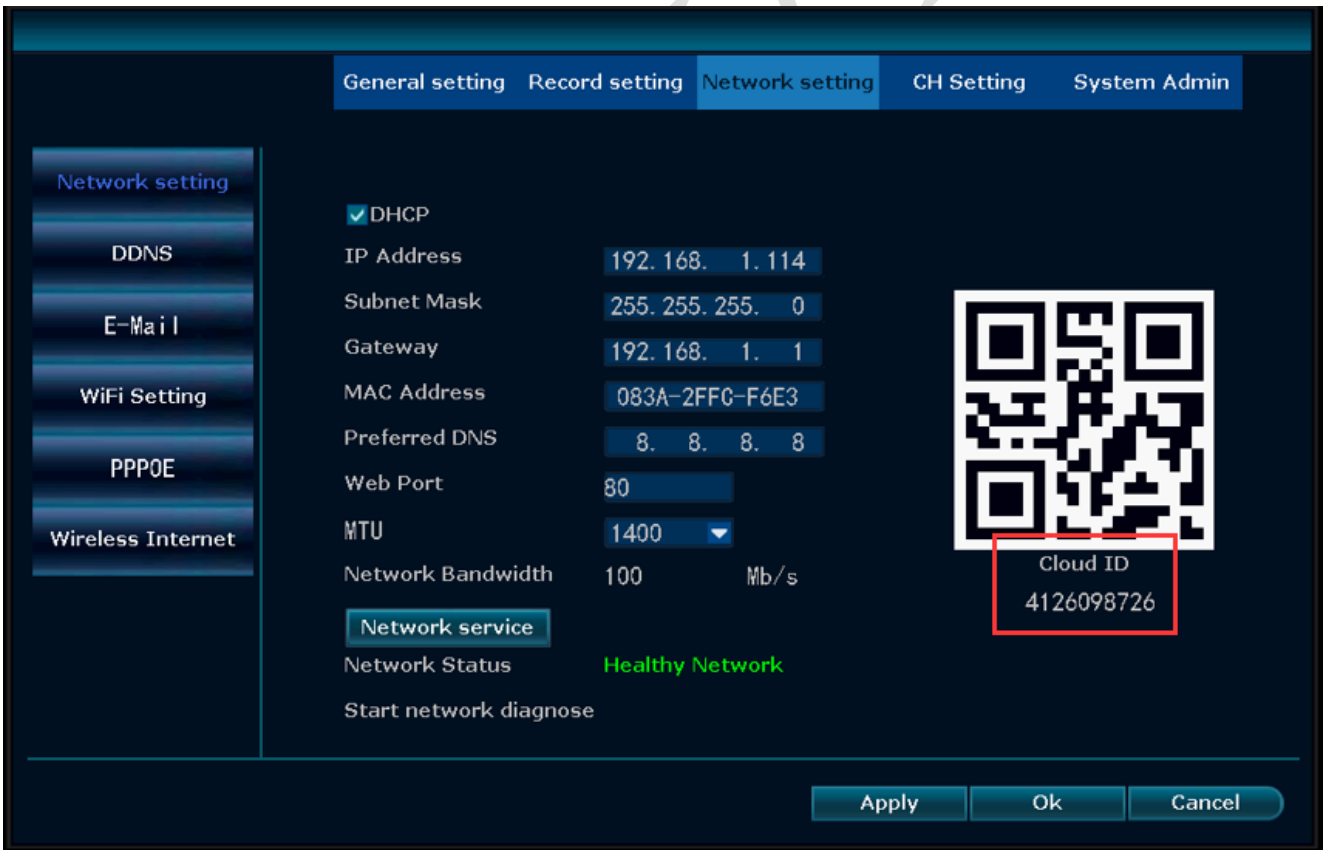
3:33
Add by Cloud ID
Save
Cloud ID
Please input Cloud ID
Device name
Device1
Username
admin
Password
Input device password
Add by IP

Provise



NOTE: Cloud ID can be found at the right bottom of the monitor that connects to the NVR, or in Network Setting interface. And the password is your NVR's (Recorder's) password, not the App password.


24/01/2022 9:50:42
1
2
yeewise
3
yeewise
4
yeewise
24/01/2022 9:50:42 AM
5
6
yeewise
Cloud ID
4126098726

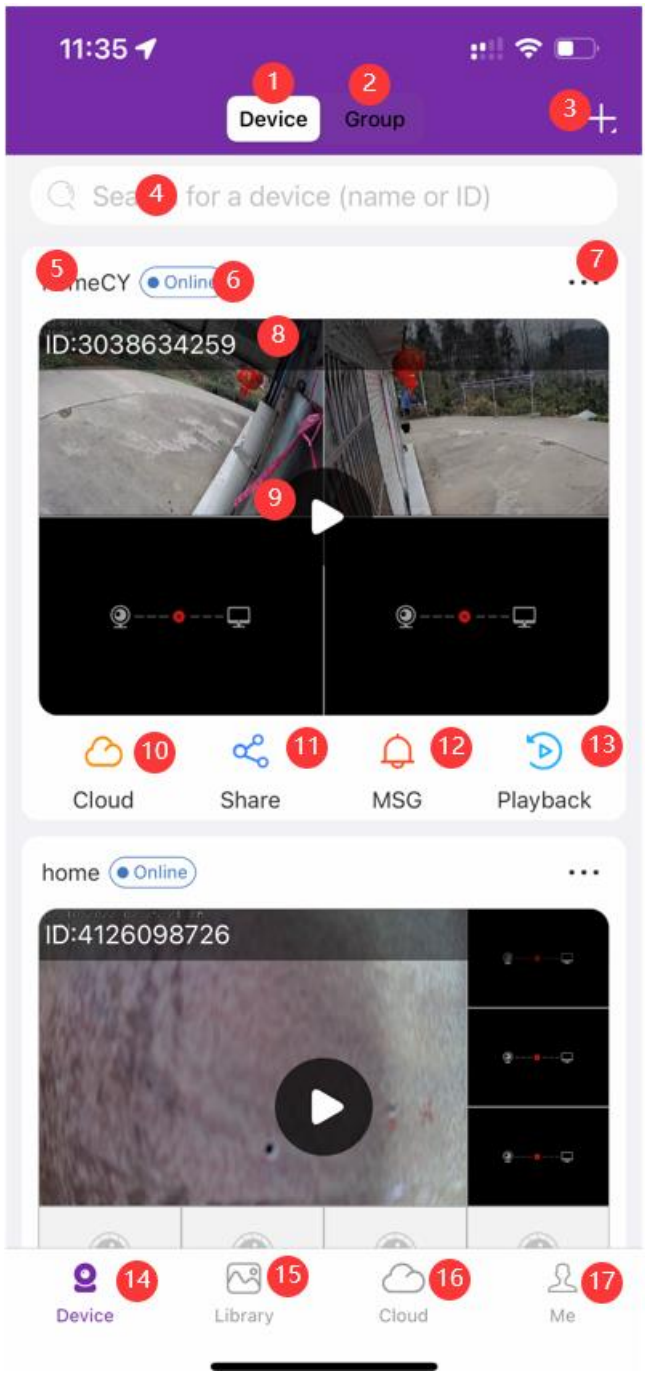

General setting
Record setting
Network setting
CH Setting
System Admin
Network setting
DDNS
E-Mail
WiFi Setting
PPPOE
Wireless Internet
DHCP
IP Address 192. 168. 1. 114
Subnet Mask 255. 255. 255. 0
Gateway 192. 168. 1. 1
MAC Address 083A-2FFC-F6E3
Preferred DNS 8. 8. 8. 8
Web Port 80
MTU 1400
Network Bandwidth 100 Mb/s
Network service
Network Status Healthy Network
Start network diagnose
Cloud ID
4126098726
Apply
Ok
Cancel

8.2 Live View

You can live view your camera's feed with the WallPixel App. Below is a brief overview of the live view screen and features.

NOTE: Your device must be connected to the Internet and show Online for live view.

1. From the App's main screen, tap the Play button for the device you want to live view.

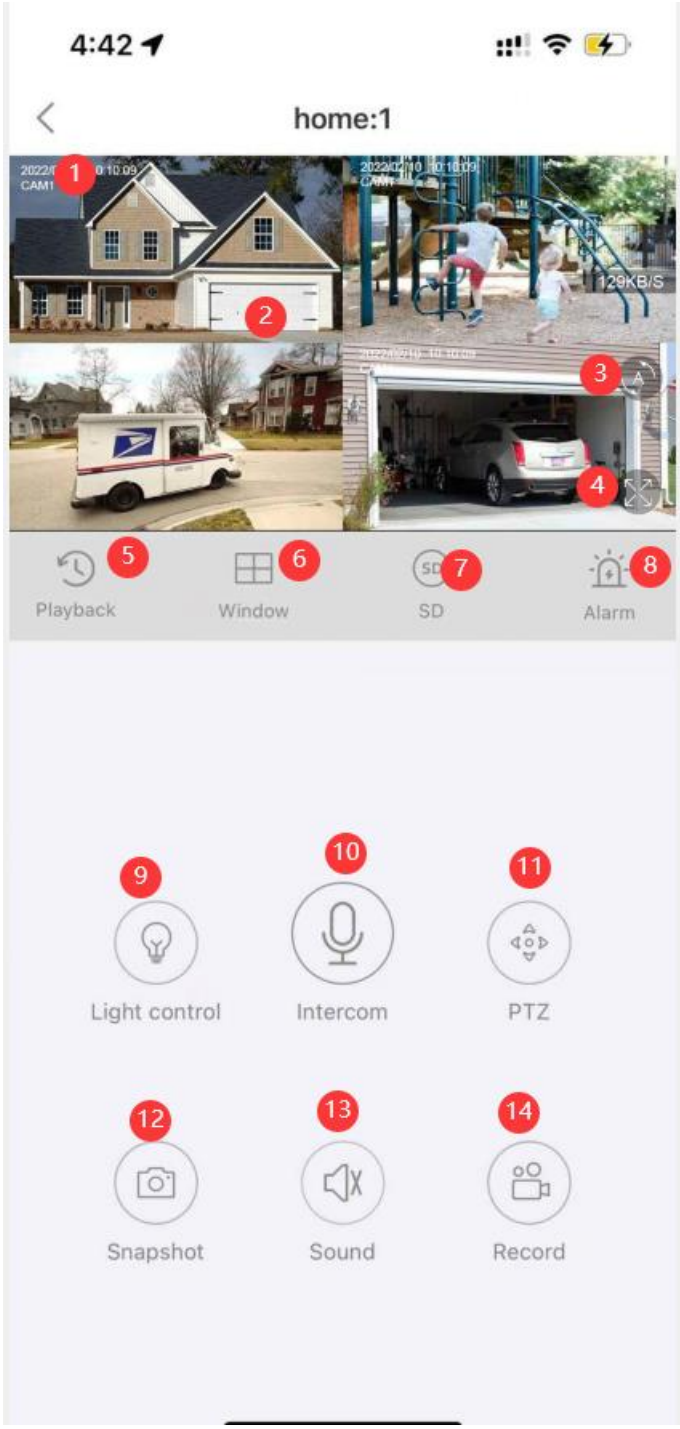


1. **Device:** Shows a list of the devices you added to your app account.

2. **Group:** Group your cameras from different systems.
3. **Add Device:** Tap to add new device to your app.
4. **Search your device:** Search your device by name or cloud ID.
5. **Device Name:** Shows the device name.
6. **Device Status:** Shows the device status: Online or Offline. If your device is online, then you can remote access the cameras, while if it shows offline, you can't.
7. **Settings:** Tap to do some basic settings of the device, including Top the device, Enable/Disable Alarm Push, Snapshot/Record, Edit the device and delete it.
8. **Cloud ID:** Shows the cloud ID of the device.
9. **Preview:** Preview of the device.
10. **Cloud:** Takes you to the cloud storage menu.
11. **Share:** Allows you to share your device with your families or friends.
12. **MSG:** Takes you to the app notifications menu.
13. **Playback:** Takes you to the Playback menu for the channel you are viewing.
14. **Device:** Shows a list of the devices you added to this app account.
15. **Library:** Takes you to the snapshots/record menu. You can share or delete photos/videos there.
16. **Cloud:** Takes you to the cloud storage menu.
17. **Me:** Allows you to do some basic settings of the app.

2. You should now see your camera's live view.

yeswise



1. **Camera Name/Date&Time:** Shows the camera name and current date & time.
2. **Live View Video:** Live videos stream from the cameras
3. **Auto Cruise:** Turn on/off auto cruise of the cameras.
4. **Full-Screen:** Switch to full-screen display.
5. **Playback:** Takes you to the Playback menu for the channel you are viewing.
6. **Window:** Select a multi-screen viewing option.
7. **SD:** Allows you to switch between HD-Streaming and SD-Streaming.
8. **Alarm:** Turn on/off the camera siren alarm manually.

9. **Light & Control:** Allows you to change the night vision mode. Three night vision modes are available: IR, Floodlight and Auto. **IR** means Infrared LEDs will turn on at night and camera delivers black and white video. **Floodlight** means floodlights will turn on at night and camera delivers full color video. **Auto** means Infrared LEDs turn on at night by default and camera delivers black and white video, but when motion is detected, floodlights will turn on and camera becomes to deliver full color video, thus you can get more details on motion event.
10. **Intercom:** Tap to initiating intercom. Then you can hold to talk to the camera.
11. **PTZ:** Allows you to move the camera left and right, up and down, and set presets for the camera.
12. **Snapshot:** Take a snapshot of the live video and save it to your phone.
13. **Sound:** Turn on/off the speaker feature for audio enabled cameras.
14. **Record:** Record the live video of the camera and save it to phone.

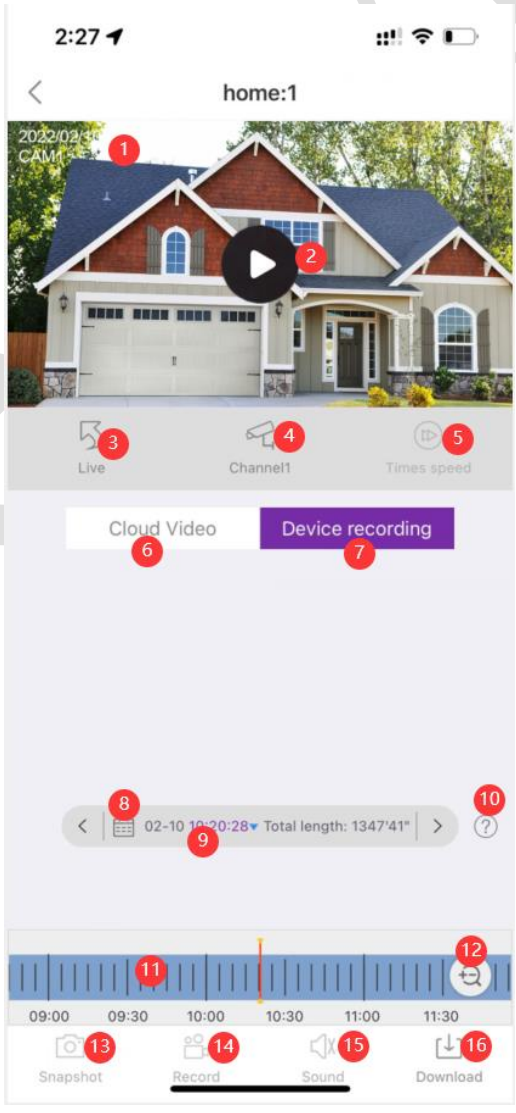
3. You can switch the view to landscape mode by turning your Smart Device sideways.

1. **Camera Name/Date&Time:** Shows camera name, current date and time.
2. **Live Video:** Live video of the camera.
3. **Auto Cruise:** Turn on/off auto cruise of the camera.
4. **Microphone:** Tap to initiating intercom. Then you can hold to talk to the camera.
5. **Light & Control:** Takes you to the Light & Control menu.
6. **Snapshot:** Take a snapshot of the camera live view and save it to phone.
7. **Record:** Record the live video of the camera and save it to phone.
8. **SD:** Allows you to switch between HD-Streaming and SD-Streaming.
9. **Speaker:** Turn on/off the speaker feature for audio enabled cameras.

8.3 Playback

The Playback menu will allow you to view recordings that have been saved to your system. From within this menu you can also save images and recordings directly to your smart device and share them via text, email or social media.

1. Tap the Playback button, you will be directed to the playback interface.
2. Tap the Calendar icon to select the date you would like to playback from. Days where a recording was captured by your system will appear with a purple circle.
3. Move the red cursor on timeline bar at the bottom to locate the time that you would like the video to replay from. (Use your fingers to drag playback timeline bar to select the accurate time.）
4. Tap the play button to start playback videos. The bars in blue represents time-scheduled recordings, bars in red represents motion detection recordings, and bars in grey represents no recordings at the selected time.



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1. **Camera Name/Date&Time:** Shows camera name, current date and time.
2. **Play:** Tap to playback the video.
3. **Live:** Tap to back to live view.
4. **Channel:** Tap to change the channel to playback.
5. **Times Speed:** Multi-time speed playback, only available for cloud recording.
6. **Cloud Video:** Playback videos stored in the cloud. If you've purchased the cloud storage, then you can playback videos stored in the cloud here.
7. **Device Recording:** Playback videos stored in the hard drive installed in the NVR.
8. **Calendar:** Tap to choose the date to search videos. Days where a recording was captured by your system will appear with a purple circle. Choose the day that contains the recording you are trying to find.
9. **Time:** Tap to adjust the time to locate the playback videos.
10. **Help：** Explain what do the colors on the timeline bar represent. The bars in blue represents time scheduled recordings, bars in red represents motion detection recordings and bars in grey represents no recordings at the selected time.
11. **Timeline Bar:** Playback timeline bar. Tap to adjust the time to playback.
12. **Zoom in/out:** Tap to zoom in/out the timeline bar.
13. **Snapshot:** Take snapshots of playback videos.
14. **Record:** Record playback videos.
15. **Sound:** Turn on/off sound of the audio enabled cameras.
16. **Download:** Download recorded videos and save to phone.

8.4 Share

8.4.1 Share Device

Share your device with your families & friends and authorize them permissions.

1. Tap Share under the device. If you did not set a password for your NVR, for security purpose, it will request you to set a password for your NVR before sharing it with others.
2. Authorize permissions and set the QR Code valid time period.
3. A QR code will pop out, ask your families or friends to scan this QR code to add your device. After that they can view your cameras, playback recorded videos or receive notifications on their phone based on the permissions you authorized.

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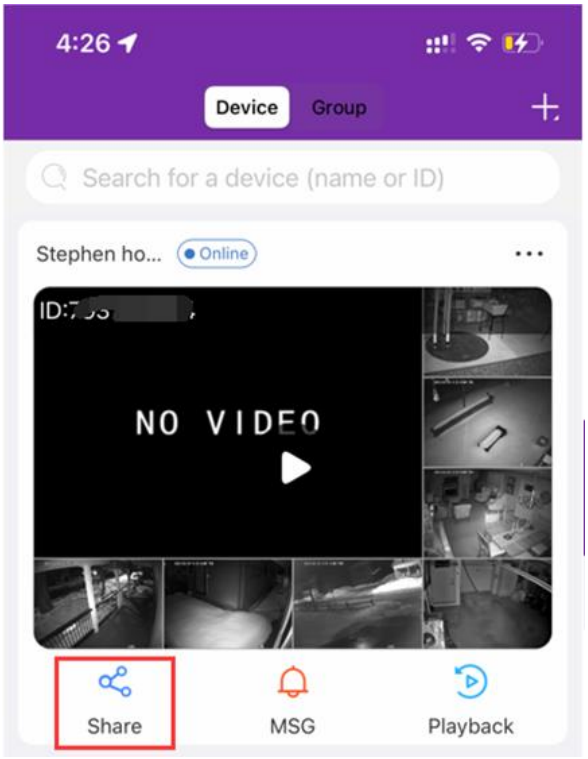
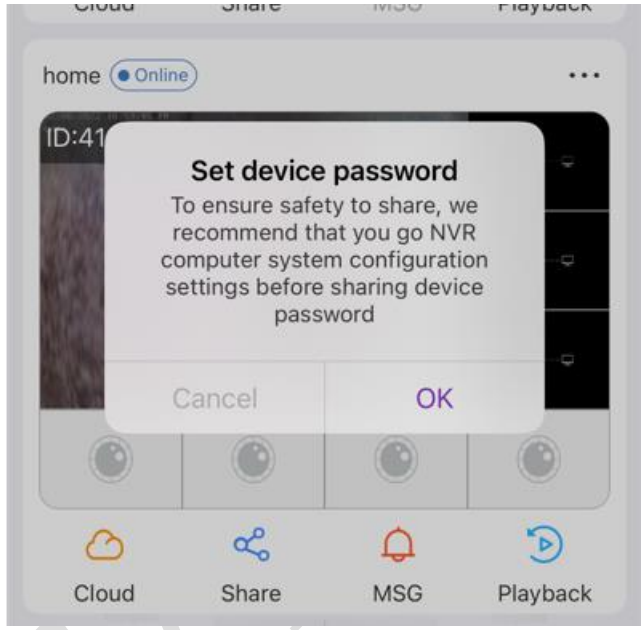
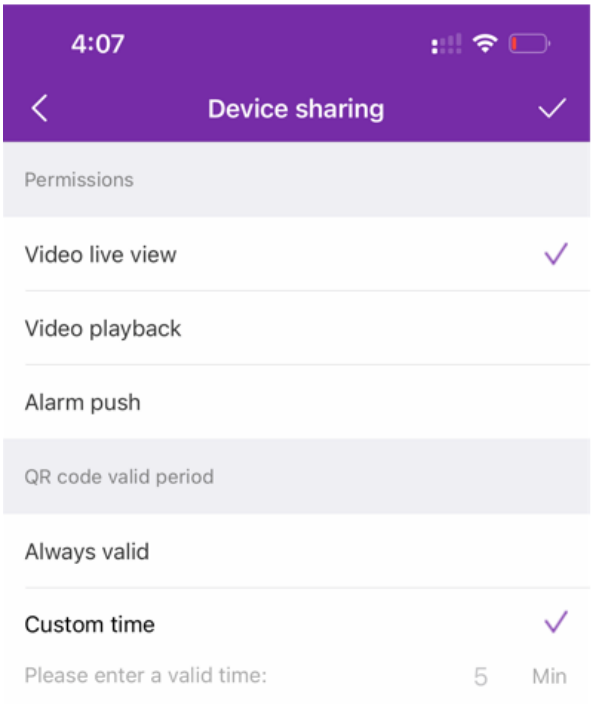
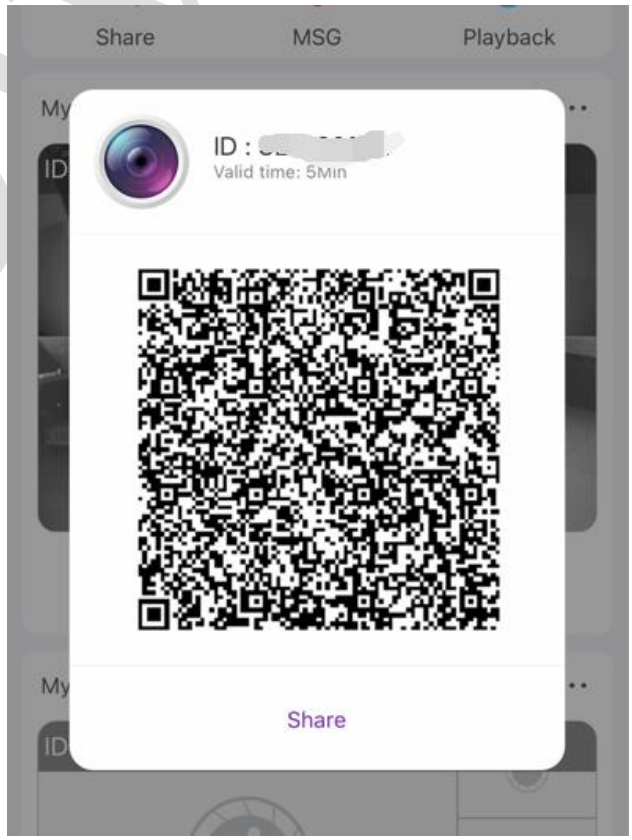

4:26
Device
Group
Search for a device (name or ID)
Stephen ho...
Online
NO VIDEO
Share
MSG
Playback

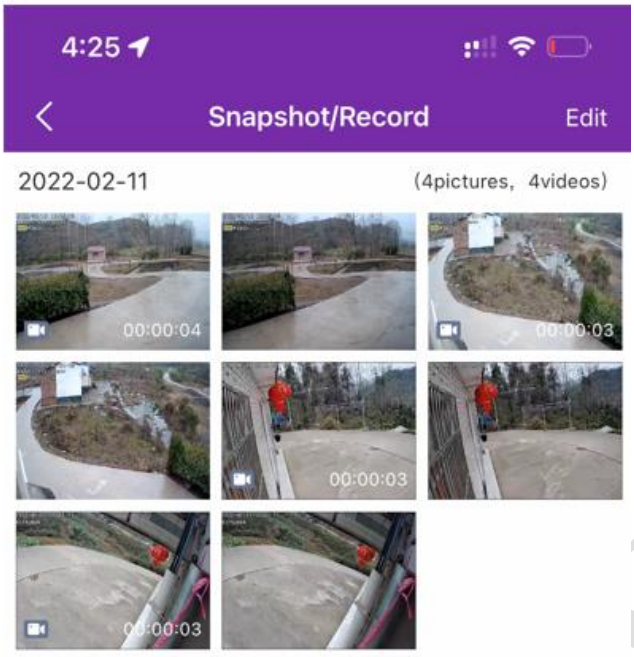

home
Online
Set device password
To ensure safety to share, we recommend that you go NVR computer system configuration settings before sharing device password
Cancel
OK
Cloud
Share
MSG
Playback

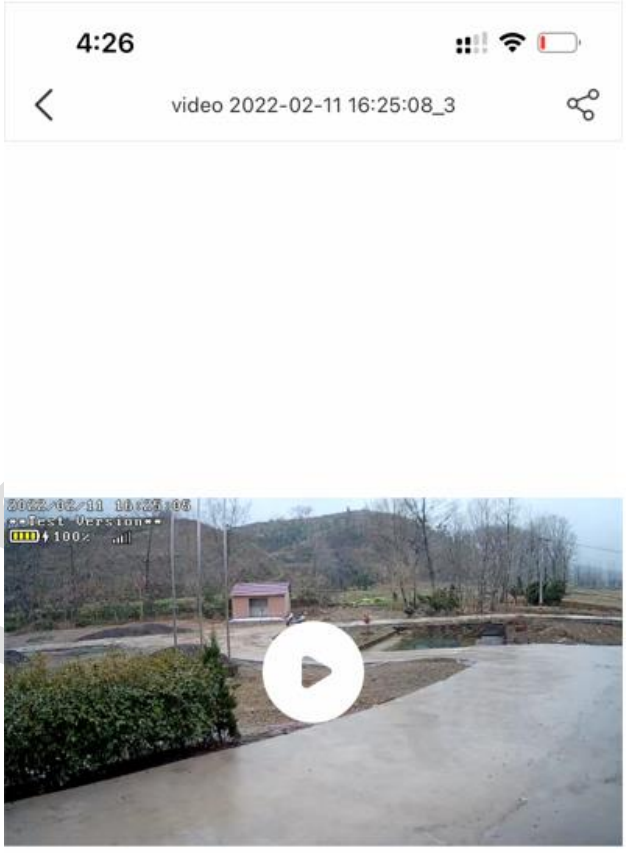

4:07
Device sharing
Permissions
Video live view
Video playback
Alarm push
QR code valid period
Always valid
Custom time
Please enter a valid time:
5
Min

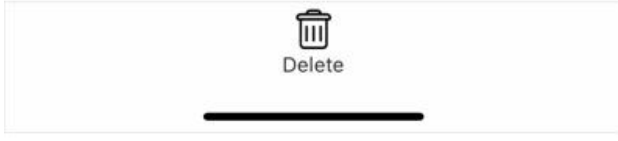

Share
MSG
Playback
Valid time: 5Min
Share

8.4.2 Share Photos & Videos

Share photos, videos and recordings with others. To share a recording, first download it from the Playback menu using the download icon. Then, go to Snapshots/Record menu and use the Share icon to share via text, email or social media.

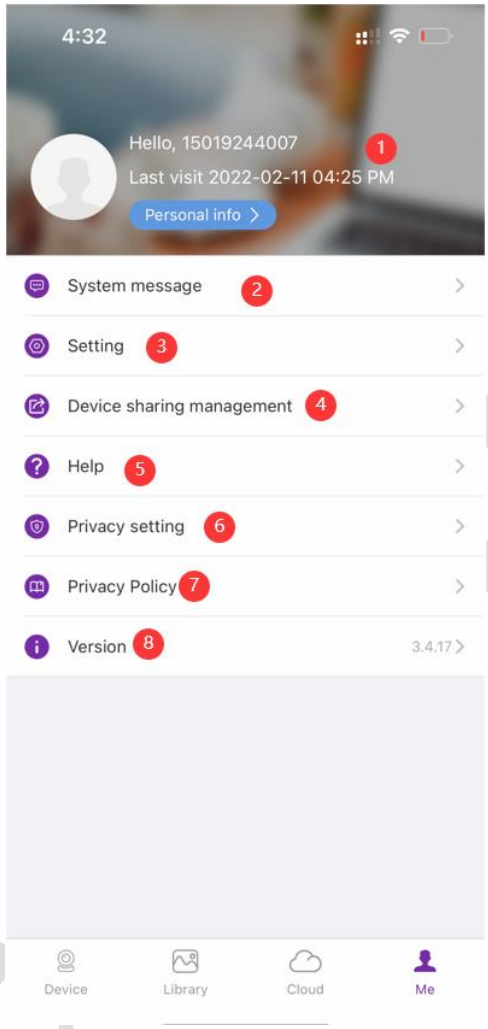






8.5 App Settings

Do some basic settings of your app.



1. **Account Info.:** Allows you to view and edit account information.
2. **System Message:** Allows you to check system messages.
3. **Setting:** Allows you to do some basic settings of the app.
4. **Device Sharing Management:** Allows you to manage your shared device.
5. **Help:** Some frequently asked questions and answers.
6. **Privacy Setting:** Privacy settings of the app.
7. **Privacy Policy:** Privacy policy of the app.
8. **Version:** Shows the current version of the app and allows you to check if you have the latest version.

Chapter 9: View Cameras on Computer

This system supports remote viewing your cameras via smartphone and computer from anywhere in the world.

- Supports viewing your cameras on computer via Internet Explorer.
- Supports viewing your cameras on computer via CMS PC Client Software.
- Supports viewing your cameras on smartphone.

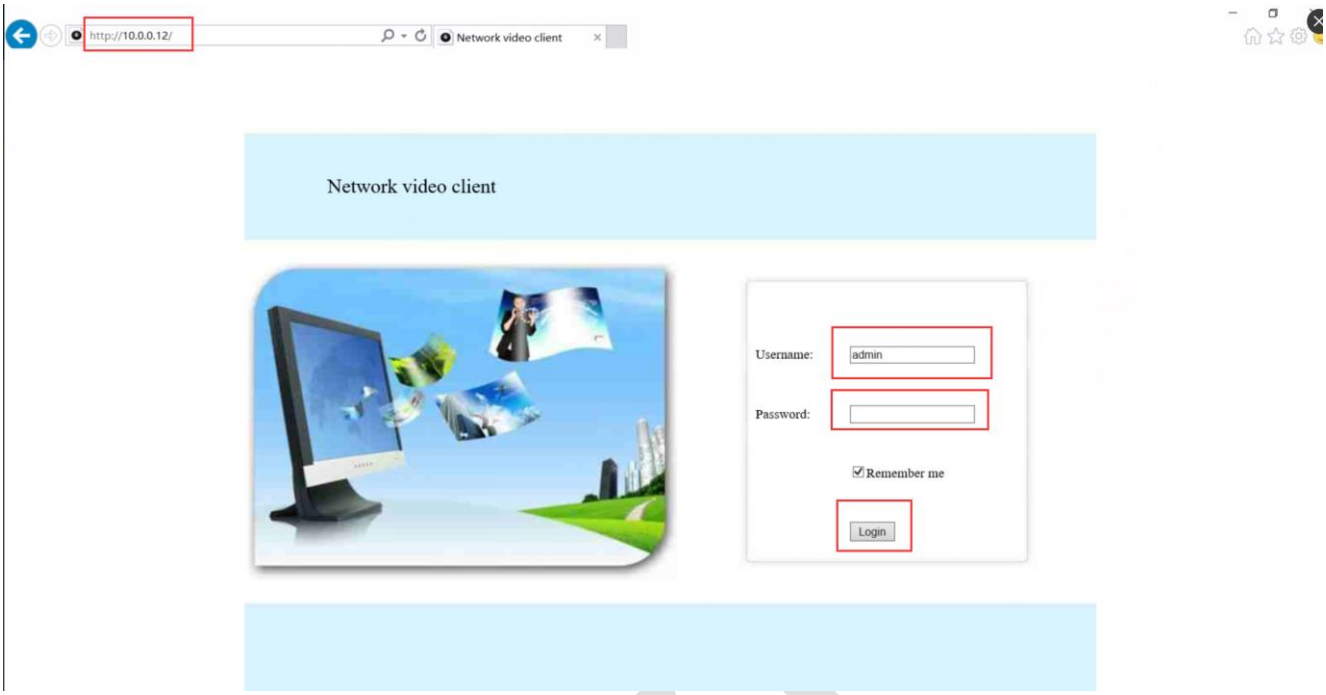
9.1 View cameras on computer via IE Browser

9.1.1 Local Access on IE

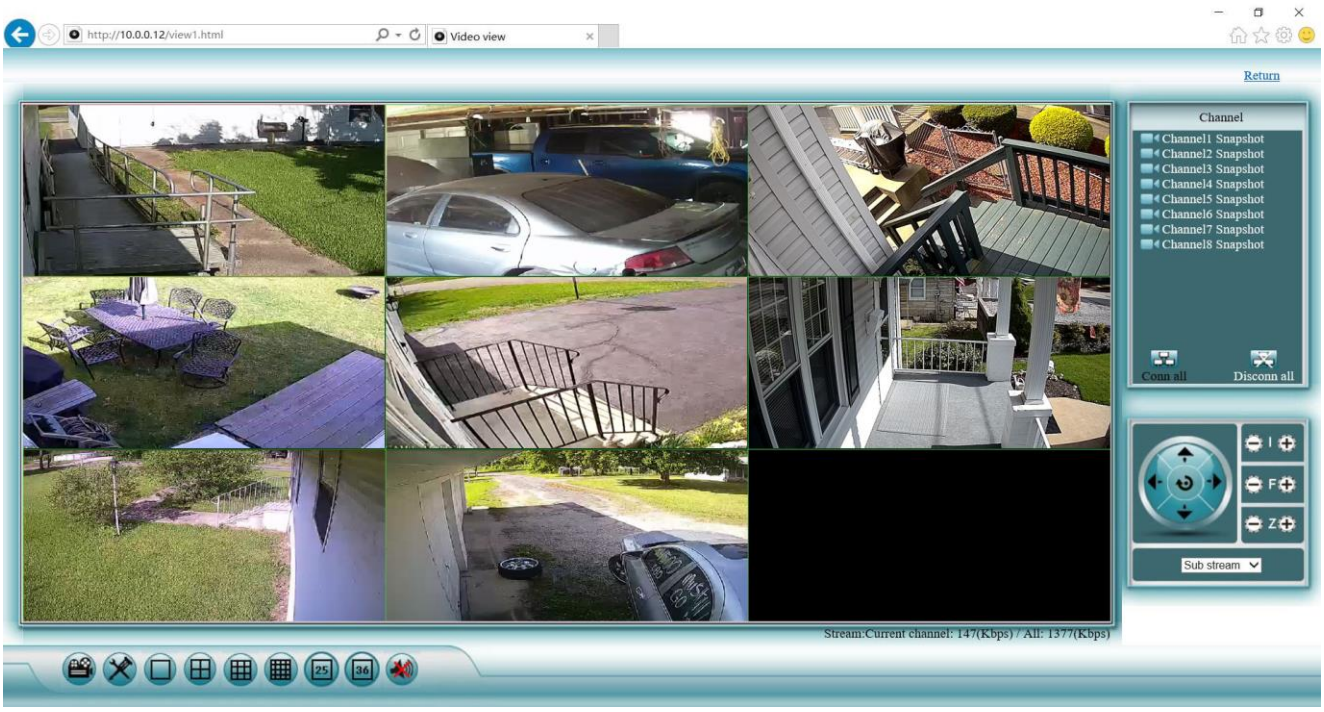
When your computer and NVR are connected to the same network, you can view cameras using NVR's IP address.

1. Find out the NVR IP address and port #. IP address and port number can be found at System setting > Network setting.

2. Enter the NVR's IP address in your IE browser in format http://youripaddress, for example: http://10.0.0.12 (If the default WEB port 80 has been changed e.g. to 100, you'll need to add new port number when input IP address in the browser, for example: http://10.0.0.12:100).



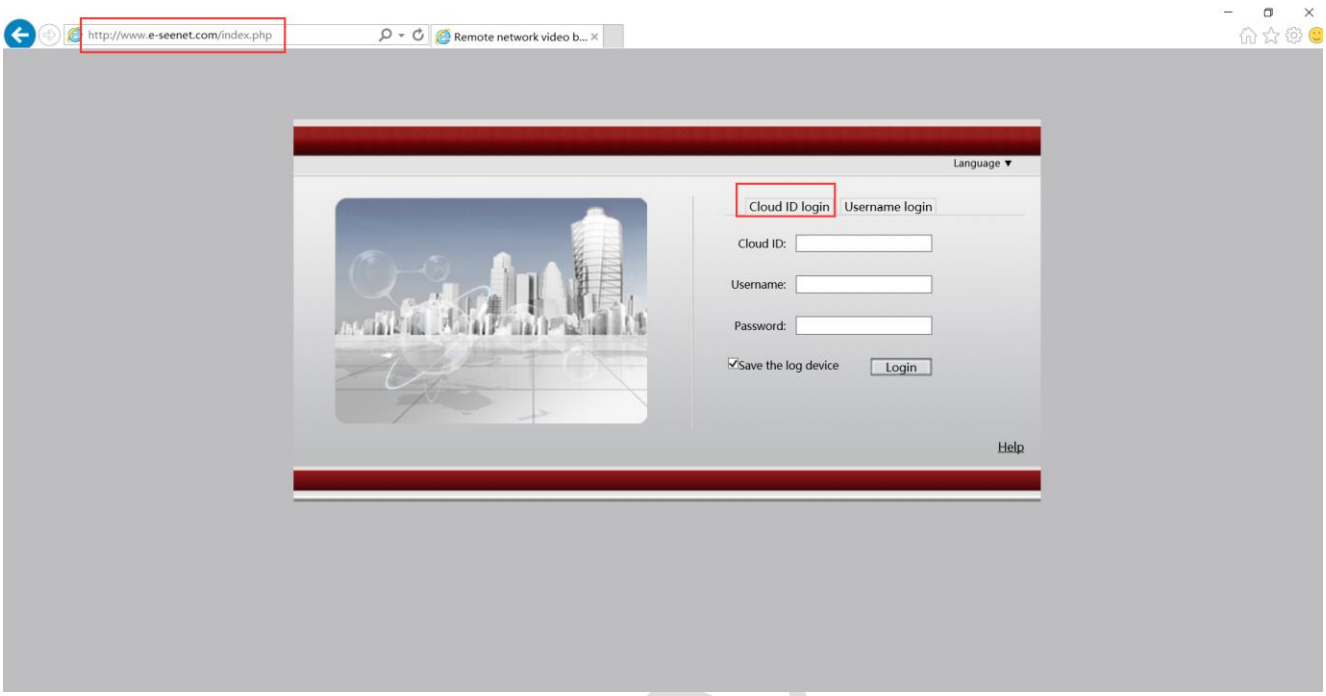
3. Enter the NVR's login username and password, click Login, you should be able to view the camera videos now.



9.1.2 Remote Access on IE

When your PC is out of local area network with the NVR, for example: view your home camera system from your office computer, you need to login below website to view your cameras.

1. Open your Internet Explorer (IE) browser and visit www.e-seenet.com.



2. Enter your device Cloud ID, NVR's login username and password, and click Login. You'll then be able to see camera videos on IE browser.

- **Cloud ID**: Cloud ID can be found at the right bottom of your monitor, or in NVR's network setting interface.
- **Username**: NVR's login username, default is admin.
- **Password**: NVR's login password, default is empty, leave it blank. If you've set a new password for admin, enter the new password here.

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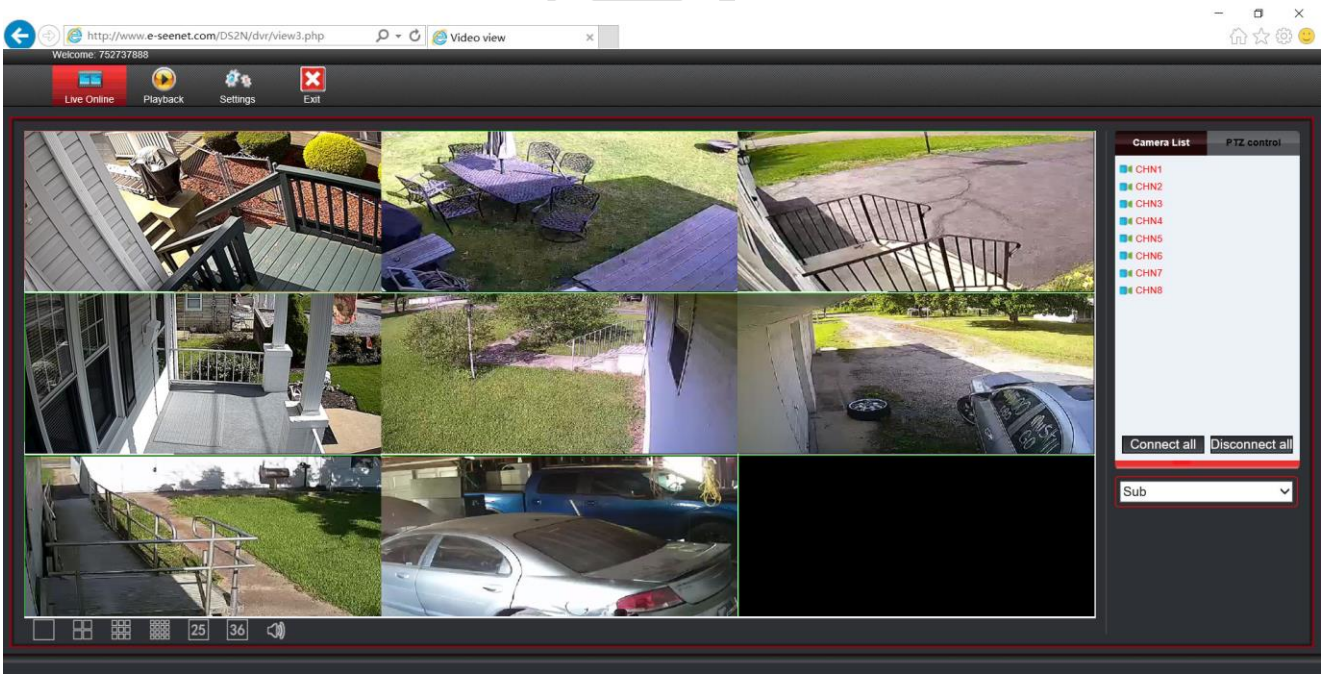
General setting
Record setting
Network setting
CH Setting
System Admin
Network setting
DDNS
E-Mail
WiFi Setting
PPPOE
Wireless Internet
DHCP
IP Address 192. 168. 1. 114
Subnet Mask 255. 255. 255. 0
Gateway 192. 168. 1. 1
MAC Address 083A-2FFC-F6E3
Preferred DNS 8. 8. 8. 8
Web Port 80
MTU 1400
Network Bandwidth 100 Mb/s
Network service
Network Status Healthy Network
Start network diagnose
Cloud ID
4126098726
Apply
Ok
Cancel


Video view
Live Online
Playback
Settings
Exit
Camera List
PTZ control
CHN1
CHN2
CHN3
CHN4
CHN5
CHN6
CHN7
CHN8
Connect all
Disconnect all
Sub

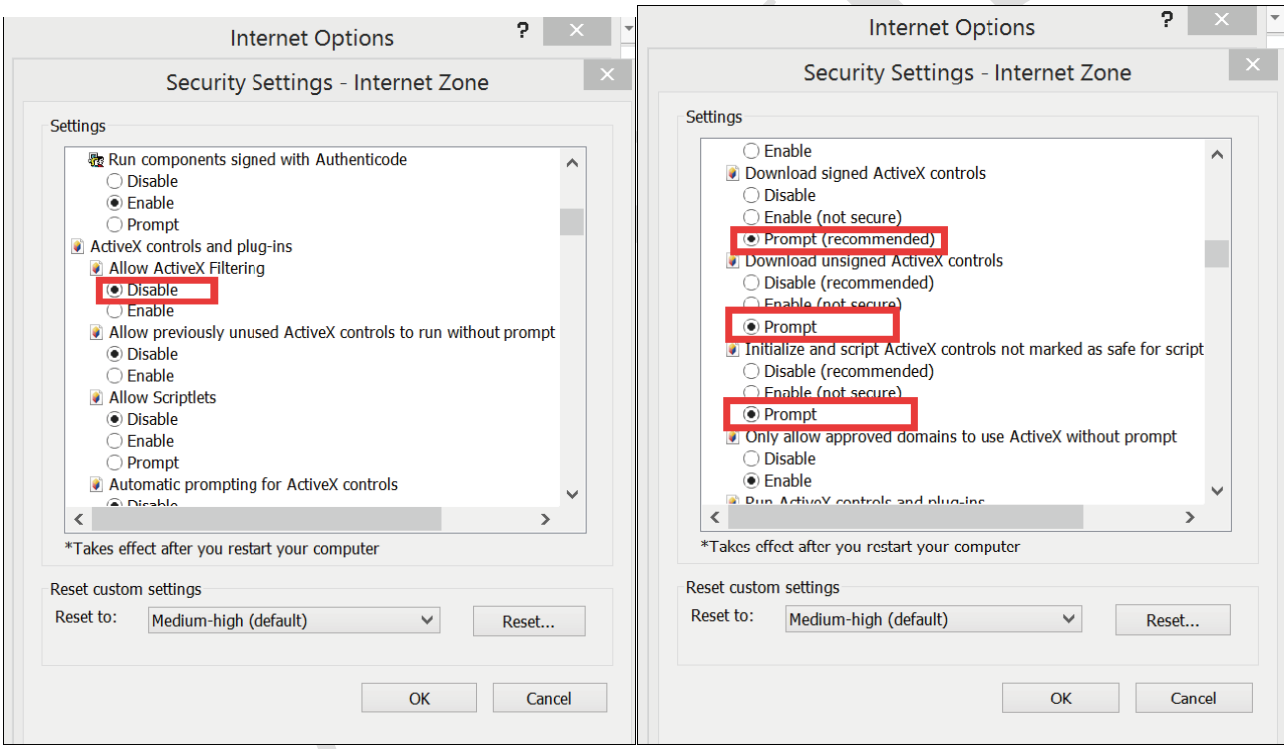
3. If it's 1st time you use it, please download and run the WebClient.exe control follow the pop out message.

NOTE: If for the first time use and software cannot load automatically, you'll need to change some ActiveX settings in Internet Explorer. (This will need to be done on every computer you use to access the system.)

Step 1: Click "Tools" - "Internet Options" - "Security" - "Internet" - "Custom Level".

Step 2: Scroll down until you see ACTIVE CONTROLS AND PLUG-INS.
(If you have Internet Explorer 9 or 11, change ALLOW ACTIVE FILTERING TO DISABLE. Other versions of IE will not have this option.)

Step 3: Change below ActiveX controls to prompt, as shown in below image.
Download signed ActiveX controls;
Download unsigned ActiveX controls;
Initialize and script ActiveX controls not marked as safe for scripting.



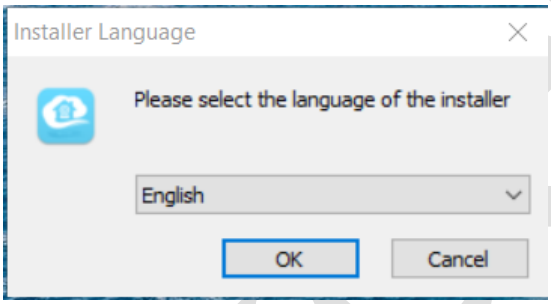
9.2 View Cameras on Computer via CMS

CMS is called Camera Monitor System. It is a camera monitoring client for online preview image, video storage, remote playback, device management, video/screen download and other functions. CMS allows you to remotely view your Yeewise products from a PC or Mac.

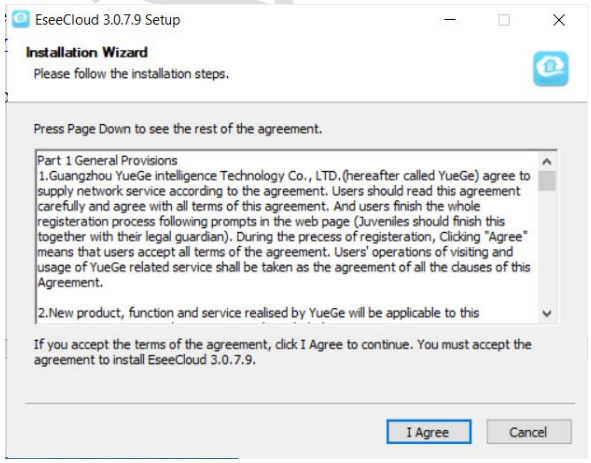
9.2.1 Installation and Operation

1. Download the CMS for windows computer.
   Link: https://www.yeewise.com/downloads/

2. Run the Setup.exe installation package.
3. Select the language that your system needs to use.



4. Read and accept the agreement.



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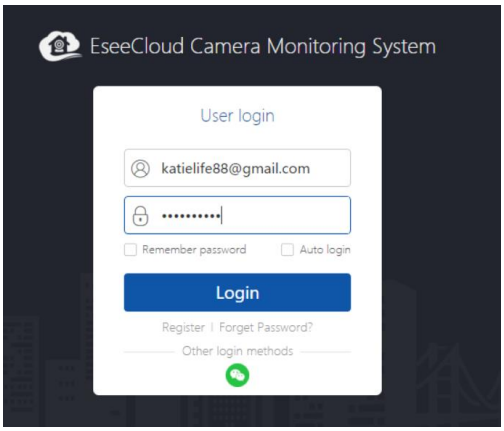
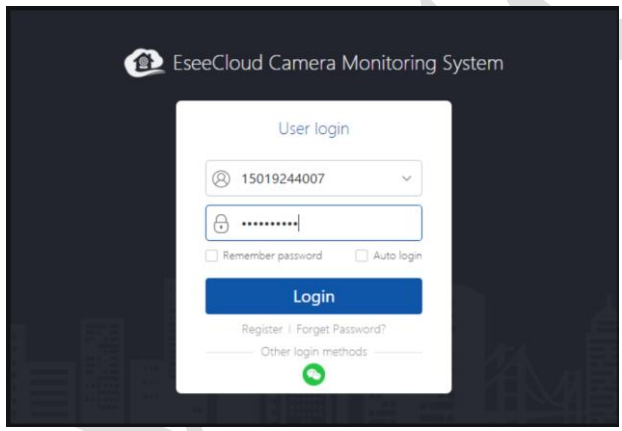
5. Select and determine your software installation path.
6. After the installation is successful, immediately run and use.

9.2.2 User Login

Login directly with your app account. Devices added to your app account will be synchronized to the CMS, so you don't need to add device here once again.

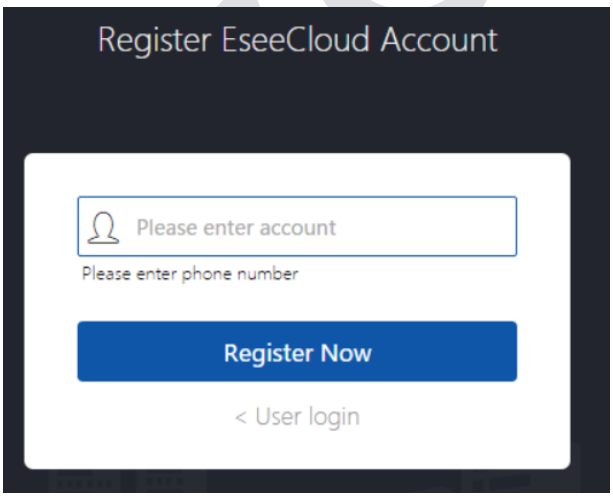
The time zone for the first login will be automatically synchronized with the computer. You can modify it in User Parameter > Advanced.

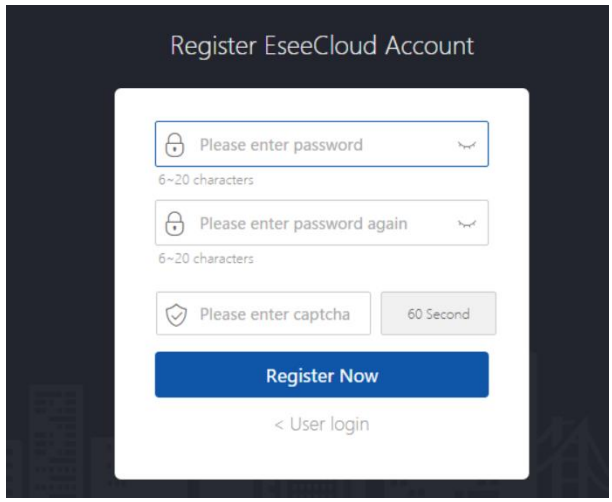




9.2.3 Register an Account

Click "Register" in the login interface, enter the mobile phone number (need to add the mobile phone number area code), click Register Now. Then create a password, confirm password, enter the verification code, and click Register now. Your account is now created.

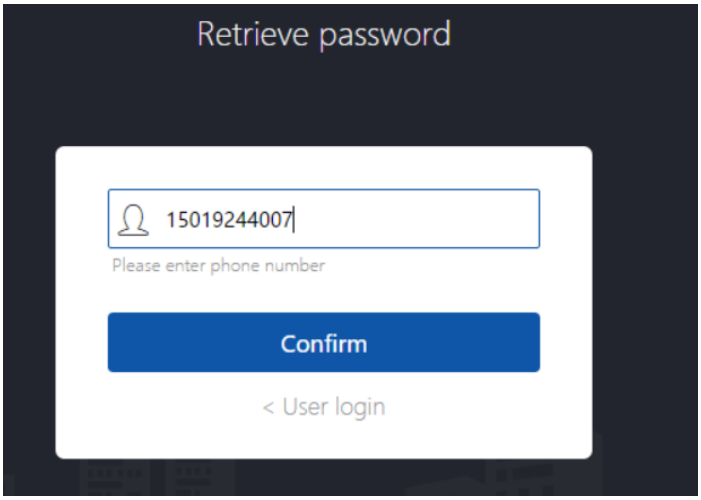


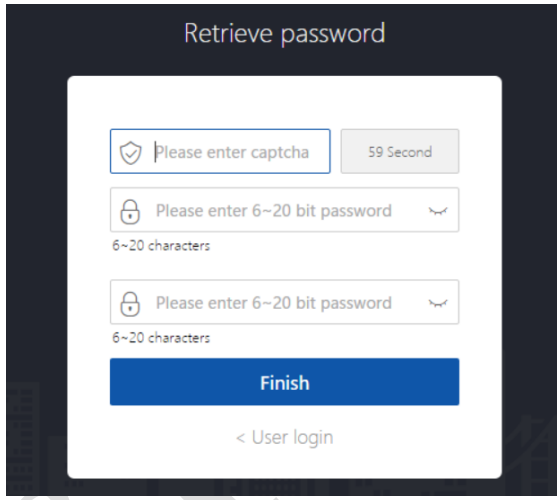


NOTICE: If login with your app account, then both email and phone number are accepted. While if you register a new account, only phone number is accepted.

9.2.4 Forgot Password

If you happen to forget your CMS account password, click “Forget Password” in login interface. Then enter the registered phone number to retrieve password.





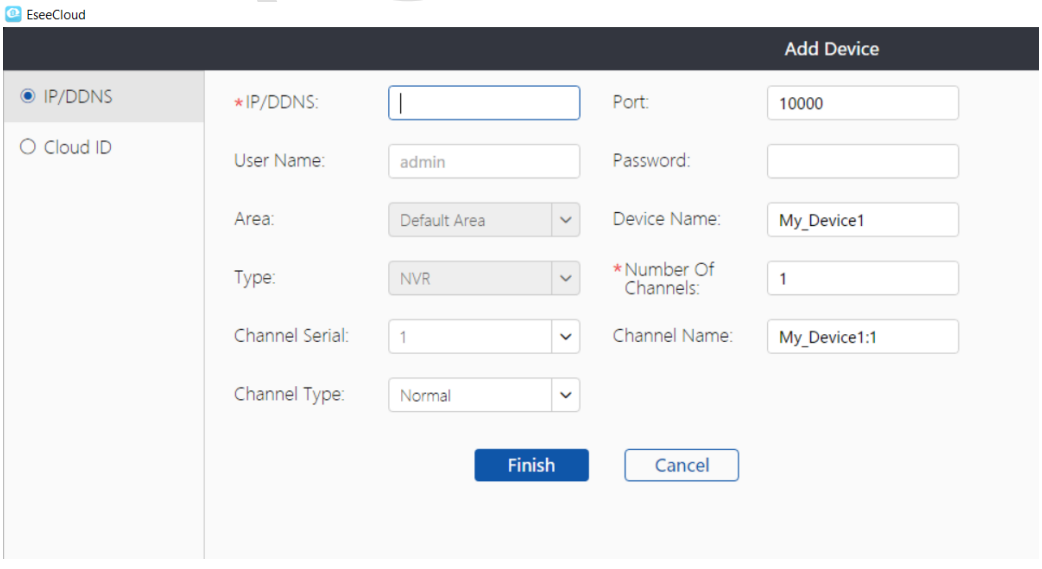
9.2.5 Add Device

If you’ve added the system to your app account, login CMS directly with your app account, your system will be synchronized to CMS. You can then view cameras on CMS without needing to add it.

If you login CMS with another account rather than your app account, you need to manually add your system to CMS. There are three ways:

9.2.5(a) Add by IP/DDNS

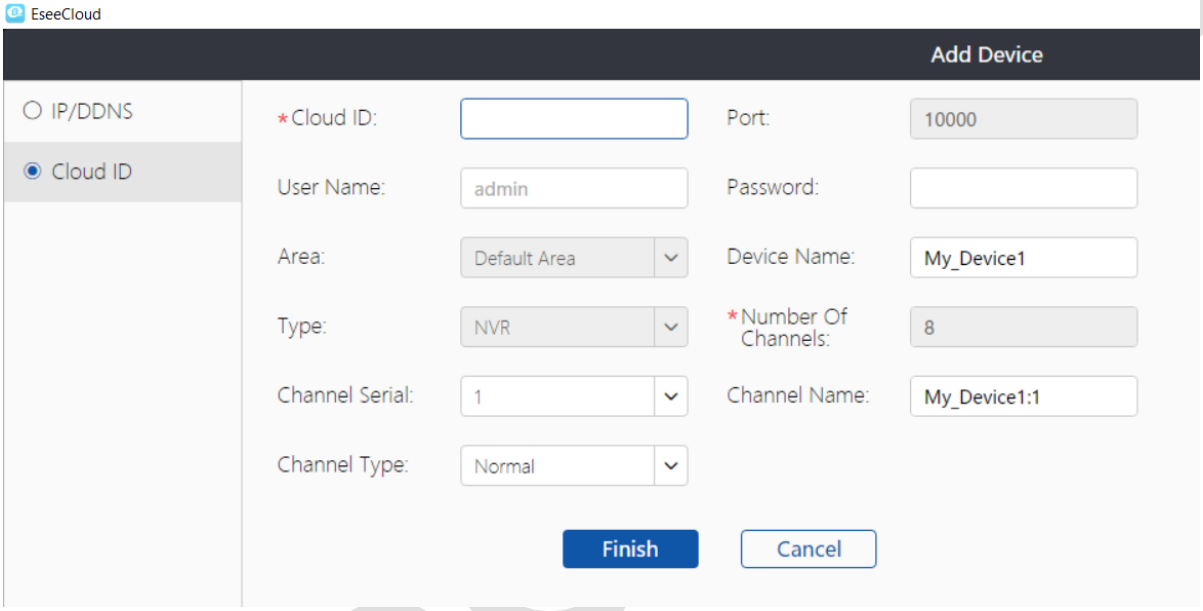
If add device by IP, you can only view cameras on CMS in local network.



1. **IP/DDNS:** IP address of your system, can be found in NVR's network setting interface.
2. **Username:** NVR's login username.
3. **Password:** NVR's login password.
4. **Device Name:** Create a name for your system.
5. **Number Of Channels:** The channel number of your system, usually it is 8 channel.
6. **Channel Name:** Create a channel name for your system.

9.2.5(b) Add by Cloud ID

If add device by Cloud ID, you can view cameras on CMS both locally and remotely.



1. **Cloud ID:** Cloud ID of your NVR. It can be found in your NVR's network setting interface.
2. **Username:** Your NVR's login username.
3. **Password:** Your NVR's login password.

9.2.5(c) Add in LAN

Click "Device Management", then click Refresh. Devices in Lan network will show in the list. Click to select the device you want to add, and click Add. The device will be added to CMS.

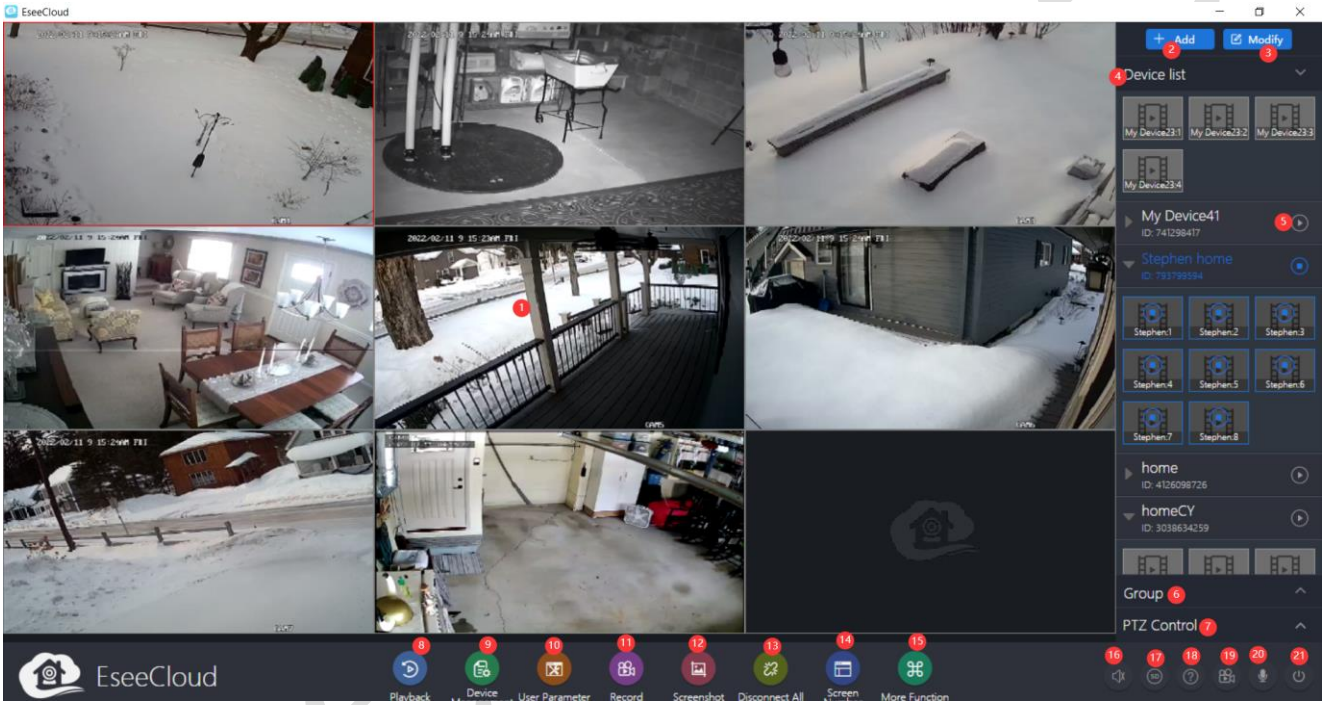
9.2.6 Live Preview

9.2.6(a) Connection & Disconnection

After the device is added successfully, you can find your device in the device list on the right side of the interface.

Connect: Select the device/channel under device list and click the Play to connect the device to view the video.
Disconnect: Select the device/channel that is playing video, click the Stop button to disconnect.

9.2.6(b) Live View Screen & Features



1. **Live View Video:** Live video of the cameras.
2. **Add:** Allows you to add device to the CMS.
3. **Modify:** Allows you to modify device.
4. **Device list:** Show a list of all added devices.
5. **Play:** Tap to connect to cameras and stream videos on screen.
6. **Group:** Group cameras from different systems.
7. **PTZ Control:** Allows you to move cameras left and right, up and down, and set presets for cameras.
8. **Playback:** Takes you to playback interface.
9. **Device Management:** Allows you to manage devices, including add, modify and delete devices.
10. **User Parameter:** Allows you to do some basic and advanced settings of CMS.
11. **Record:** Tap to record live view videos and videos will be saved to computer.
12. **Screenshot:** Tap to take snapshots of live view video and pictures will be saved to computer.
13. **Disconnect All:** Tap to disconnect all cameras. Once disconnected, cameras will stop streaming videos on screen.
14. **Screen Number:** The CMS provides 1/4/9/16/25/36/49/64 eight kinds of split screen display. It means the

CMS allows you to display up to 64 cameras simultaneously.

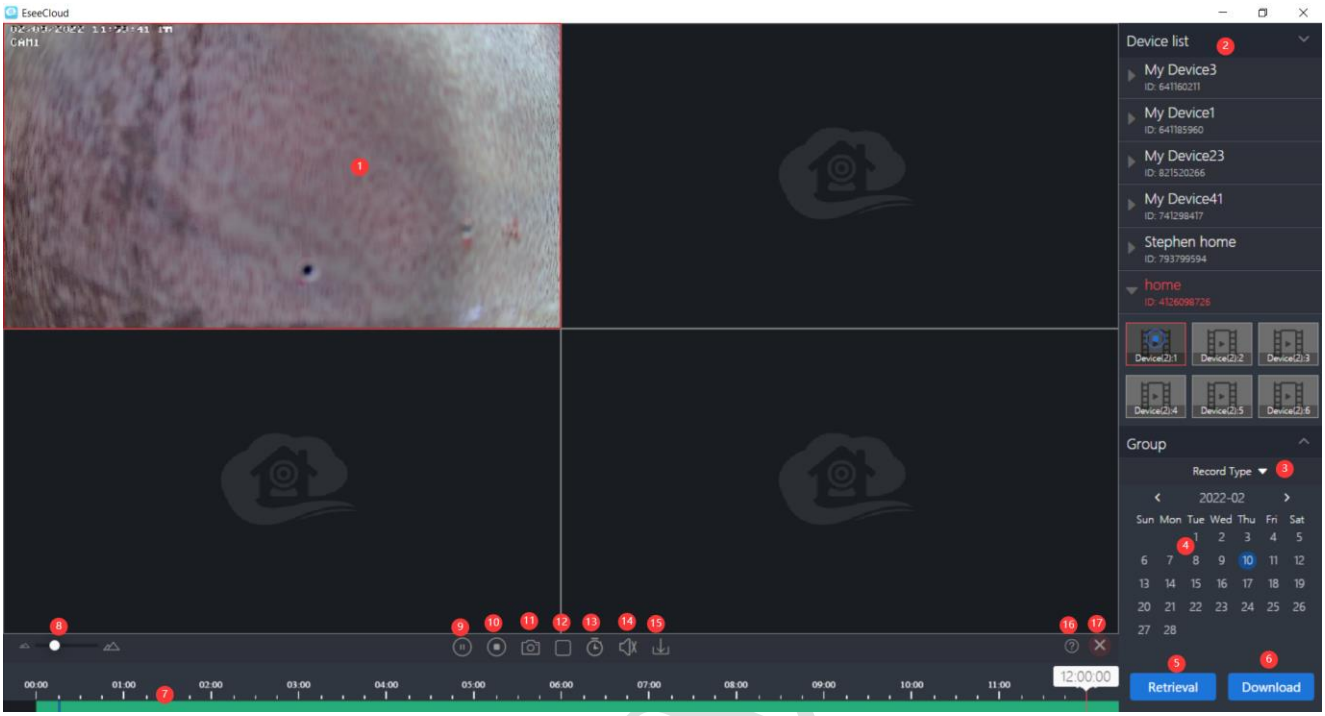
15. **More Function:** Allows you to check snapshots and videos, alarm information and system messages.
16. **Speaker:** Enable or disable sound for audio enabled cameras.
17. **Video Quality:** Allows you to adjust video quality from SD to HD.
18. **Tips & Help:** Gives you some tips about how to use this CMS.
19. **Record:** Tap to record short videos of live view video and save to computer.
20. **Microphone:** Tap to initiating intercom. Then you can talk to the camera.
21. **Power:** Tap to logout CMS.

9.2.7 Video Playback & Features

1. Tap Playback to enter the video playback interface.
2. Select the device and channel under device list.
3. Select the recording type and playback date. (Recording type includes: all types, motion detection, time scheduled, alarm, and manual recording)
4. Tap Retrieval to start searching for videos. And soon it will begin to playback videos. You can adjust the playback time on the timeline bar.

①Device channel ②Type of recording ③Select Date

Playback interface and features.



1. **Playback Video:** Playback video, you can playback 4 channels simultaneously.
2. **Device list:** Show a list of your devices.
3. **Record Type:** Allows you to choose the recording type: Motion, Time Scheduled, Manual and Alarm.
4. **Calendar:** Choose the date to search for videos to playback.
5. **Retrieval:** Tap to start searching for videos to playback based on your search conditions.
6. **Download:** Takes you to the download video list based on your search conditions.
7. **Timeline bar:** Playback timeline bar. You can drag and click on the bar to adjust time to playback.
8. **Time Scale Adjustment:** Allows you to adjust the timeline scale value during playback, default value is 60 minutes.
9. **Play/Pause:** Tap to play or pause playback video.
10. **Stop:** Tap to stop playback video.
11. **Snapshot:** Allows you to take snapshots while playback videos and save pictures to computer.
12. **Video synchronization:** When you playback multiple channels at the same time, check “Synchronized” allows you to adjust playback time for all channels at the same time on the single timeline bar.
13. **Timed Playback:** Tap to enter an exact point in time to start playback.
14. **Speaker:** Turn on/off sound of the audio enabled cameras.
15. **Download:** Takes you to the download video list based on your search conditions

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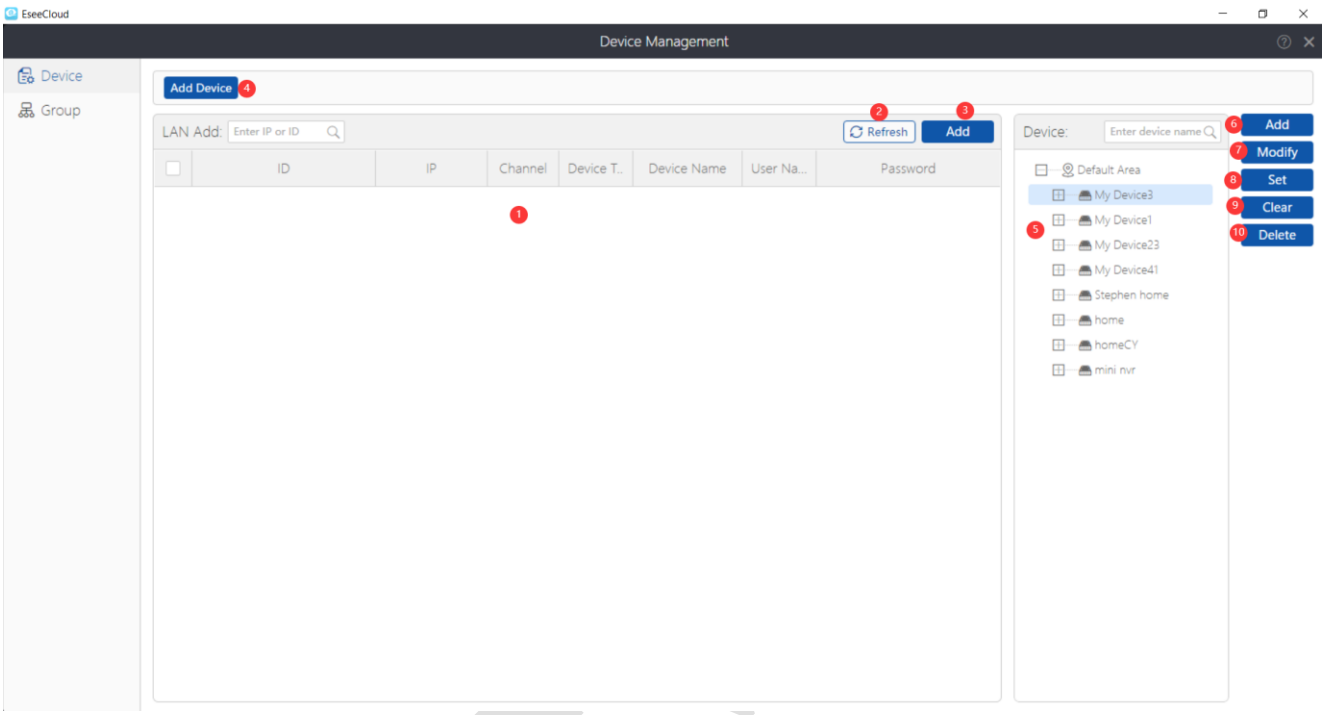
9.2.8 Device Management

9.2.8(a) Manage Device

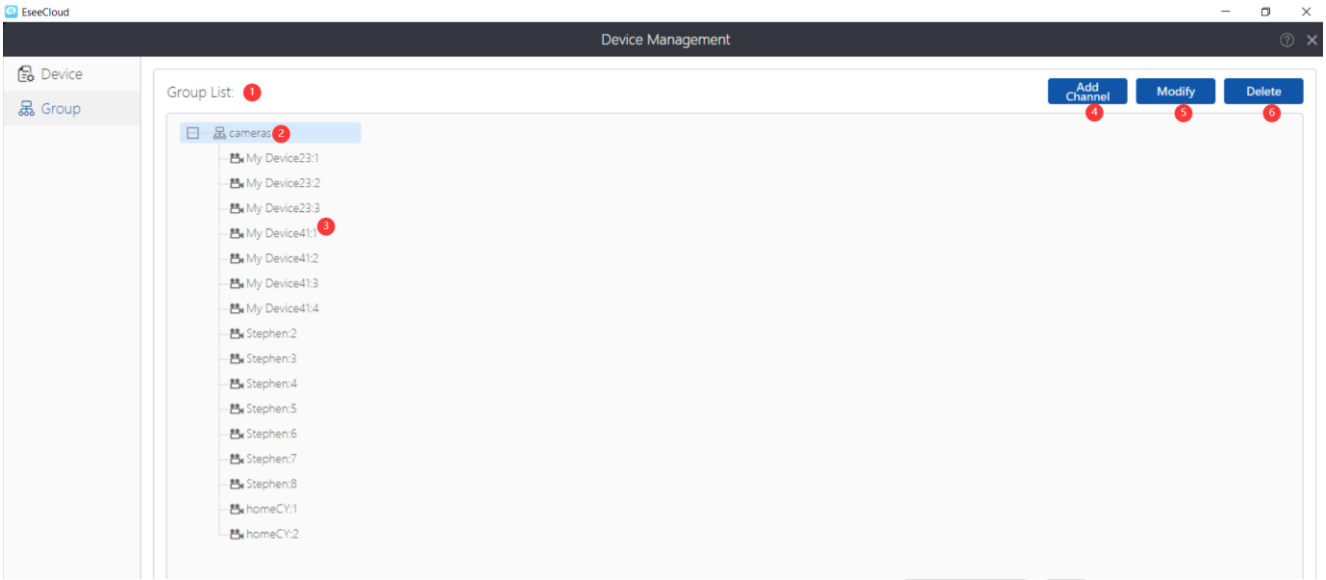
You can add device, modify device, clear device, and delete device here.



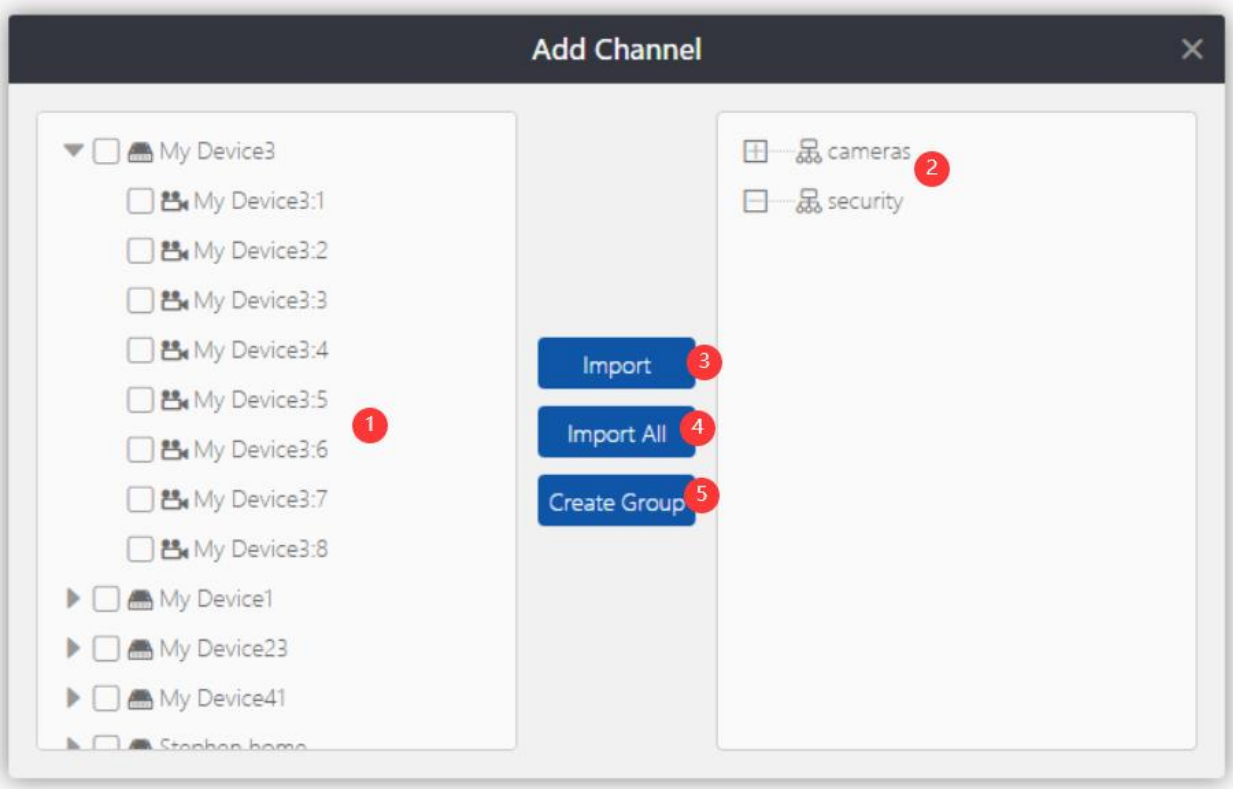
1. **Device in Lan:** Will show a list of devices found in Lan network.
2. **Refresh:** Will update the search list.
3. **Add:** Select a device found in Lan network and click Add to add it to CMS.
4. **Add Device:** Tap to add a new device to CMS.
5. **Device List:** Will show a list of devices that's already added to CMS.
6. **Add:** Tap to add a new device to CMS.
7. **Modify:** Allows you to modify devices under device list.
8. **Set:** Allows you to do some settings for devices remotely.
9. **Clear:** Allows you to clear devices or areas from CMS.
10. **Delete:** Allows you to delete devices from CMS.

9.2.8(b) Manage Group

Allows you to add, modify, delete groups. And manage devices in each group.



1. **Group List:** Shows a list of all groups.
2. **Group Name:** Group name.
3. **Device List:** Devices added in this group.
4. **Add Channel:** Tap to add a new group.
5. **Modify:** Allows you to modify group name.
6. **Delete:** Allows you to delete devices from a group or delete the whole group.

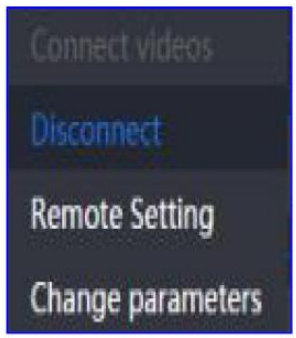


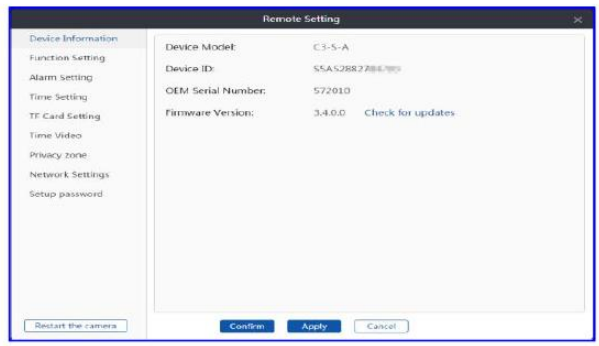
1. **Devices:** All devices that have been added to CMS will be displayed here.
2. **Groups:** All groups will be displayed here.

3. **Import:** Select a device or channel from left box, then select a group from right box, click Import. The selected device or channel will be added to the selected group.
4. **Import All:** Select a group from the right box and tap Import All, then all devices will be added to this group.
5. **Create Group:** Tap to create a new group.

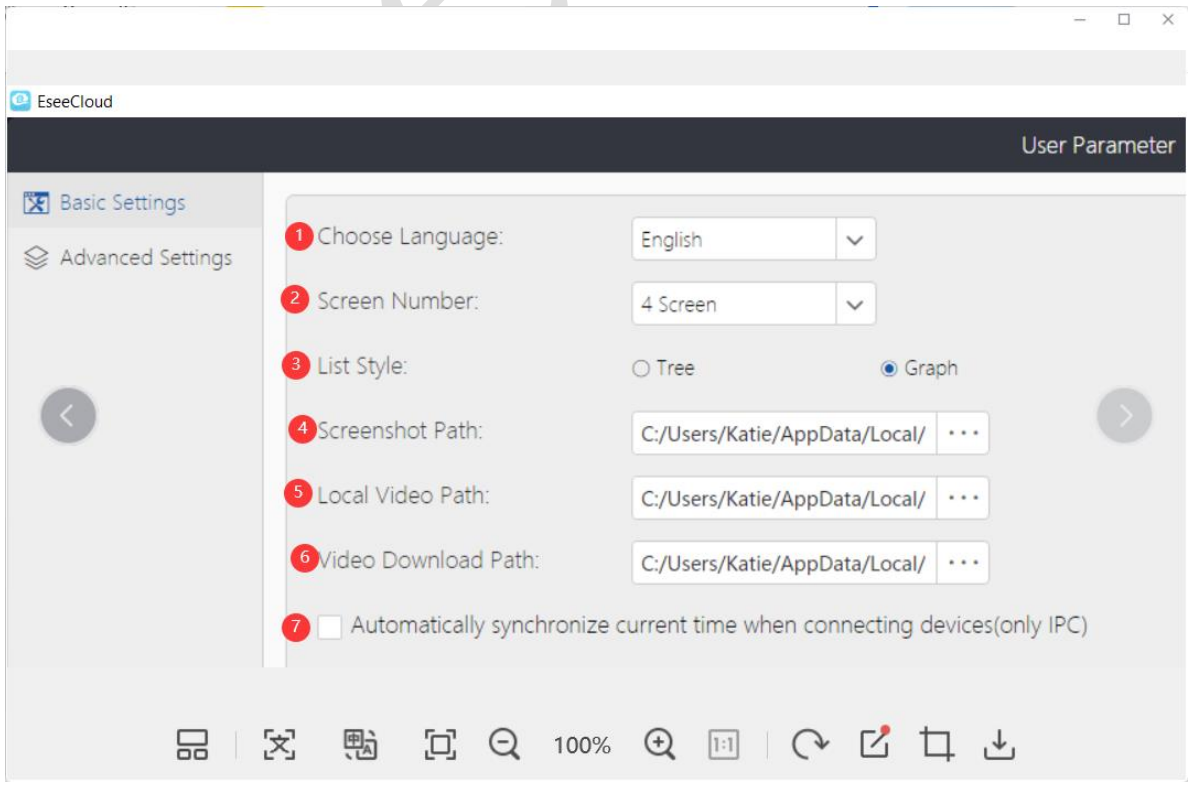
9.2.8(c) Remote Settings

Allows you to do some settings for devices remotely.

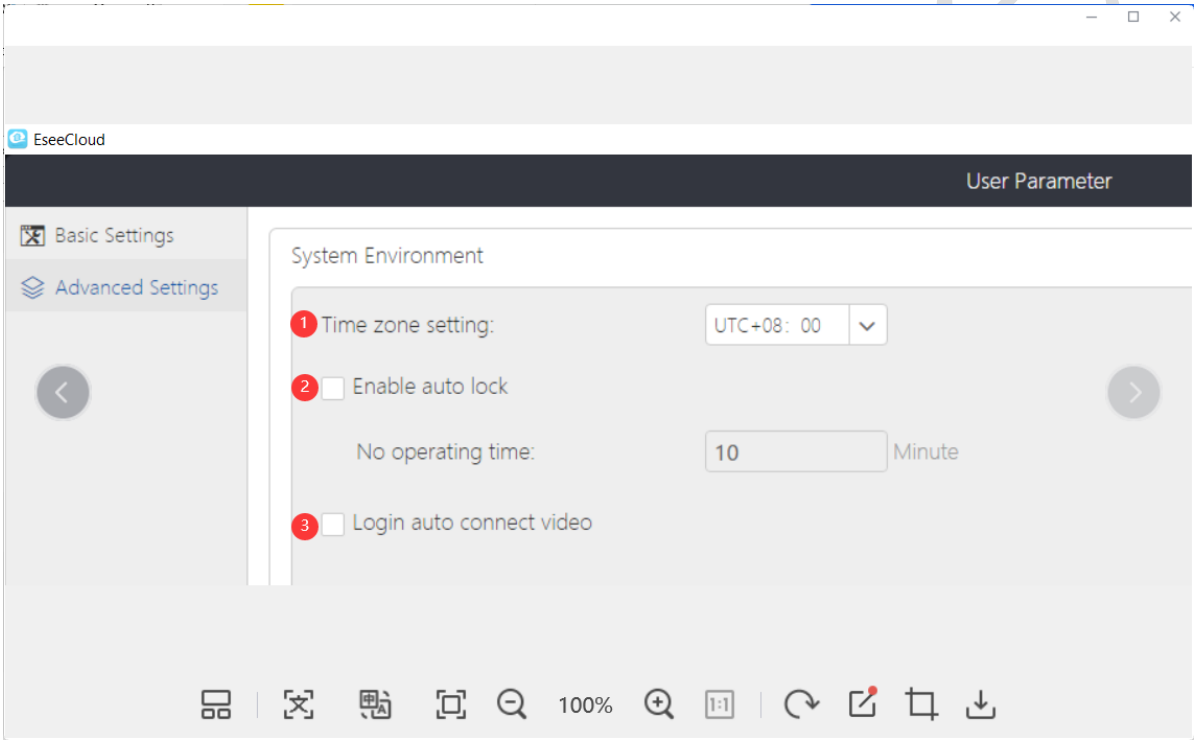




9.2.9 User Parameters

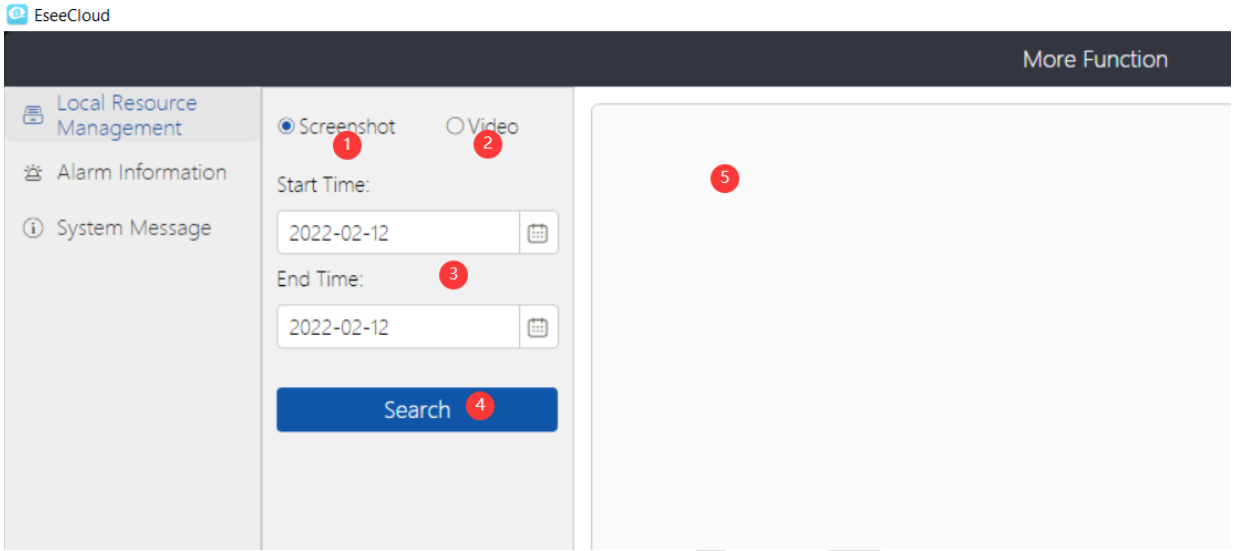


1. **Choose Language:** Allows you to choose language of CMS.
2. **Screen Number:** Allows you to choose how many channels display at the same time. You can choose to display up to 64 cameras simultaneously.
3. **List Style:** Allows you to choose how the devices display under device list: graph style or tree style.
4. **Screenshot Path:** Choose where to save the screenshots/snapshots.
5. **Local Video Path:** Choose where to save the videos.
6. **Video Download Path:** Choose where to save the downloaded videos.
7. **Automatically synchronize current time when connecting devices(only IPC):** Check to auto synchronize the time, works for IPC only.

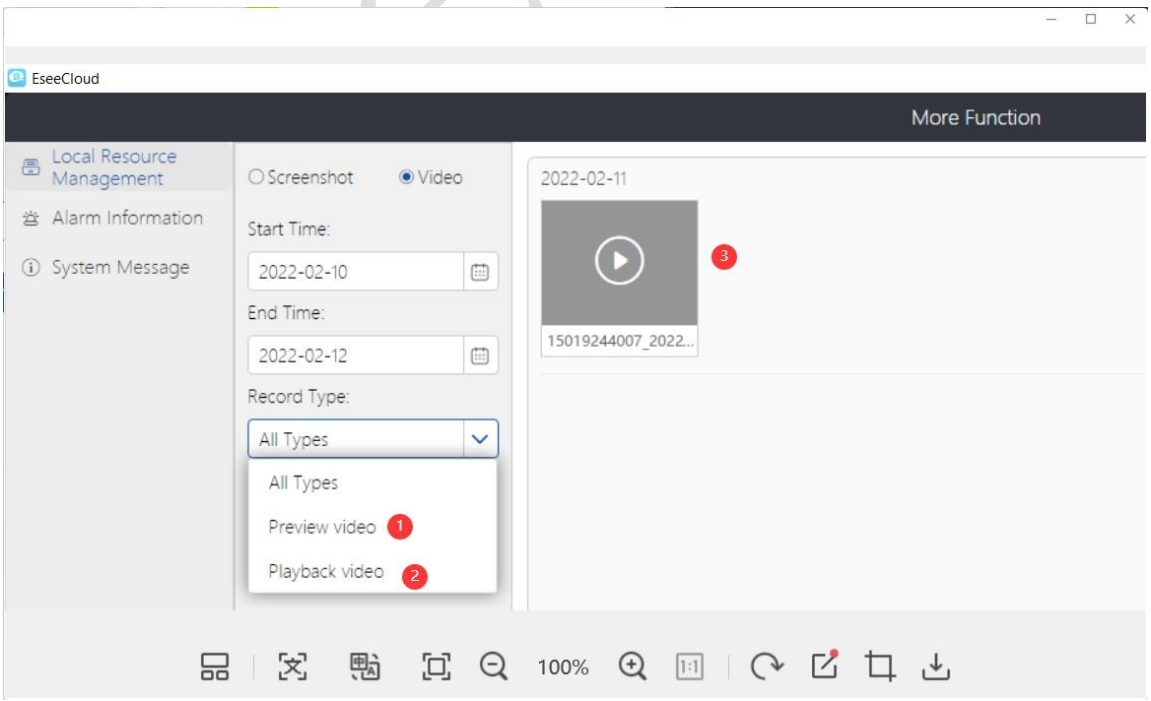


1. **Time zone setting:** Allows you to set the time zone.
2. **Enable auto lock:** Allows you to enable or disable auto lock of CMS.
3. **Login auto connect video:** Allows you to enable or disable auto connect after login.

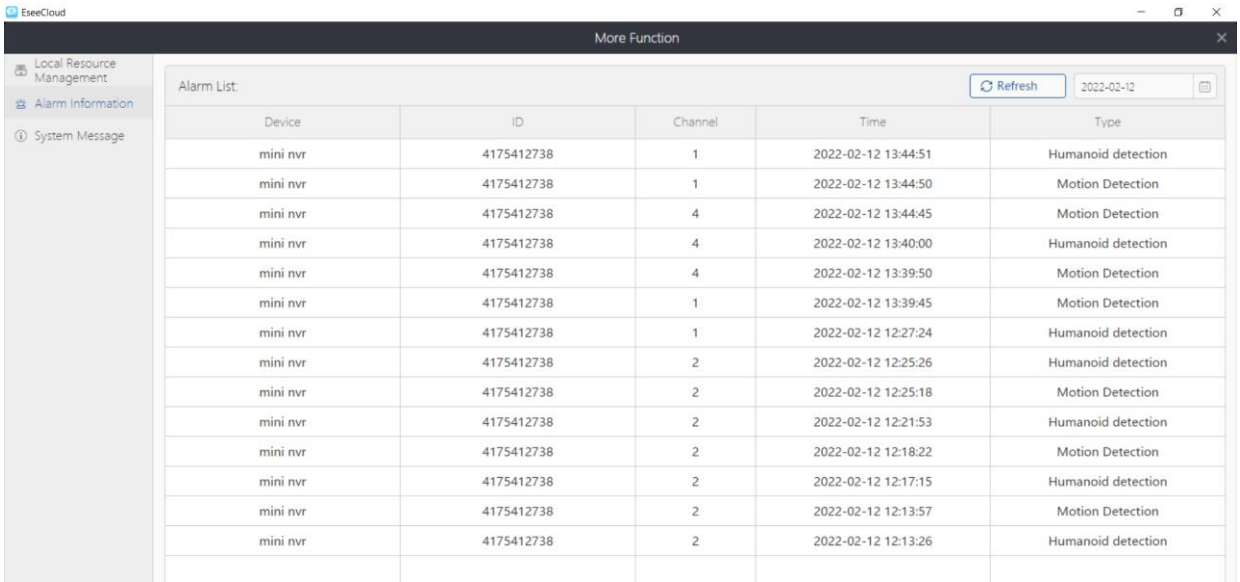
9.2.10 More Function



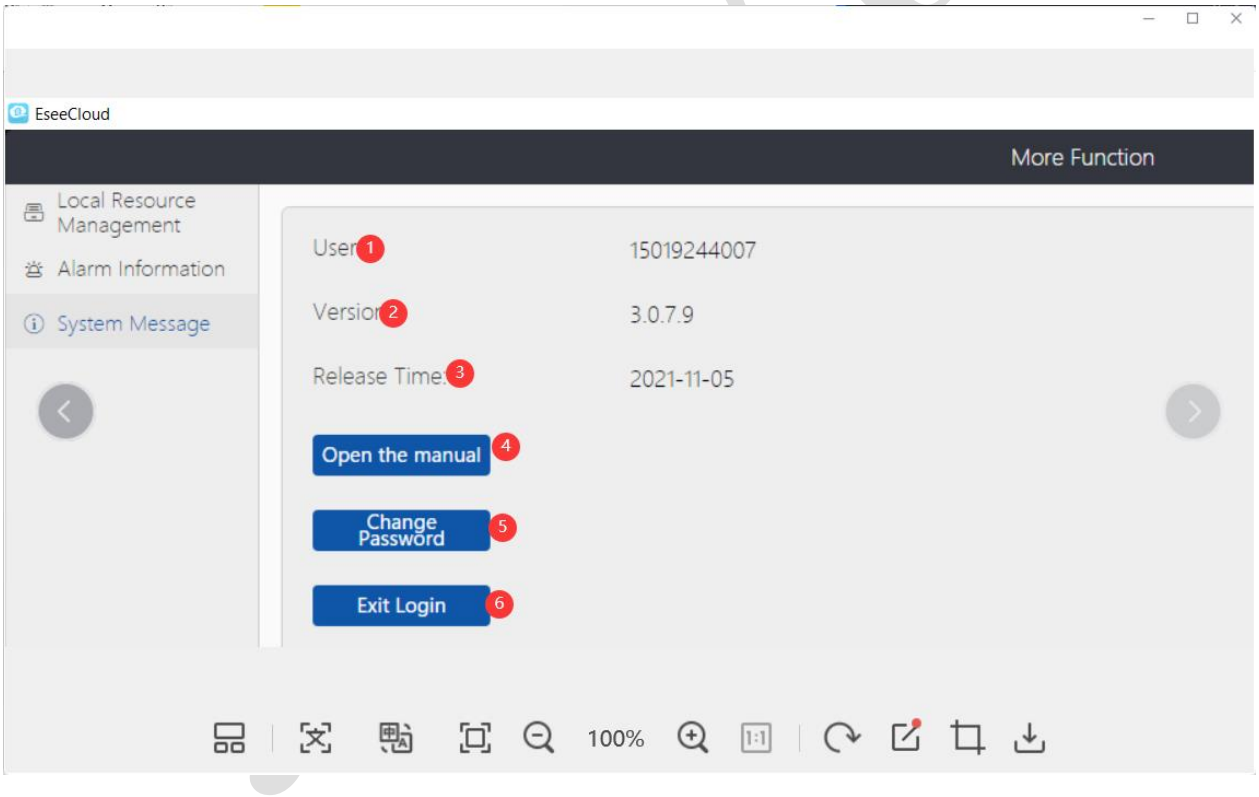
1. **Screenshot:** Choose to search for screenshots.
2. **Video:** Choose to search for videos.
3. **Time From To:** Choose the from time and end time to search.
4. **Search:** Tap to search based on your search conditions.
5. **Search Result:** Your search results will be shown here.



1. **Preview Video:** Videos recorded on live view.
2. **Playback Video:** Videos recorded on playback.
3. **Search Result:** Your search results will be shown here. Tap to play the video.

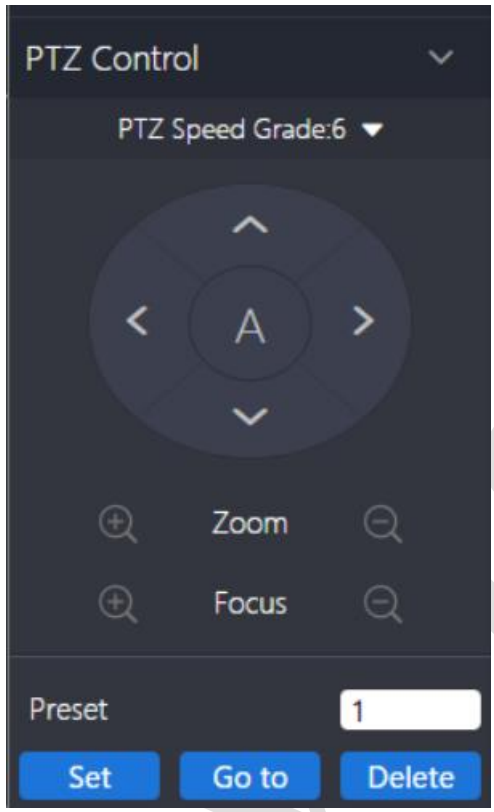


Alarm notifications of all added devices will be shown here (ONLY works for cloud login).



1. **User:** CMS login username.
2. **Version:** Shows the version of CMS.
3. **Release Time**: Shows the release time of this version.
4. **Open the Manual:** Tap to open manual of CMS.
5. **Change Password:** Allows you to change password for CMS login user.
6. **Exit Login:** Tap to exit login.

9.2.11 PTZ Control



1. **PTZ:** Tap the direction arrow to control the camera movement.
2. **Auto Cruise:** Tap "A" to turn on auto cruise of the camera.
3. **PTZ Speed Grade:** Tap to choose a proper speed grade from drop-down list (the default grade is 6).
4. **Zoom/Focus:** Adjust the camera's magnification, focal length, and other functional parameters.
5. **Preset Position:** You can set the frequently viewed position as a preset position. Enter the preset number (0-255), click Set, when the camera moves to another position, enter the number you set, and click Go to, the camera will automatically move to the preset position.

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Chapter 10: Troubleshooting

If a problem occurs, you may be able to easily correct it yourself. The following table describes some common issues and their most likely solutions. Please refer to the table before calling technical support.

Error	Possible Causes	Solutions
System is not receiving power or is not powering up.	Cable from power adapter is loose or is unplugged.	1. Confirm that all cables are connected correctly. 2. Confirm that the power adapter is securely connected to the back of the unit.
	Cables are connected, but system is not receiving sufficient power.	1. Confirm that the system is powered ON (LED indicators on the front should be ON). 2. If the unit is connected through a power bar or surge protector, try bypassing the bar and connecting the power directly to the wall outlet. 3. Confirm that there is power at the outlet. 4. Connecting the power cable to another outlet. 5. Test the outlet with another plugged device (such as a phone charger).
Hard drive is not detected by the system.	Hard drive cables are loose or not properly connected.	Remove the cover and check that the hard drive cables are firmly connected.
	There is no hard drive in the system.	Open the cover and install a 3.5" SATA hard drive.
Hard drive is full (0%) and the unit is no longer recording.	Overwrite is not enabled.	Login to your NVR, select the Hard Drive menu and ensure **Overwrite** is checked.

Mouse not detected by system.	Mouse cable is not firmly connected to the system.	Firmly connect the mouse cable to the USB Mouse port on the front panel.
	Mouse is not connected to the system.	
	System needs to be reset.	Power off the system (disconnect power cable). Firmly connect a USB mouse to the USB Mouse port on the front panel of the system. Reconnect the power cable to the DC 19V port on the real panel.

Error	Possible Causes	Solutions
The image on the NVR appears, but does not have sound.	Audio cables are loose or have been disconnected.	Check the AUDIO connection to the NVR.
	Audio channels are disable.	Right click in Live View and ensure **Volume** is enabled.
	Volume on external speakers (not included) is low or off.	Increase volume on external speakers (not included).
A "whirring" noise is coming from the system.	Fan is active.	The noise means the exhaust fan is working normal.
The system beeps at startup.		The beep at startup is normal.
The system beeps during motion detection.	Motion detection is enabled and the alarm buzzer is activated.	Go to the General Menu > Video Alarm, select the channel and turn **Audible Warning** to off.

How to optimize WiFi connection between NVR and cameras?

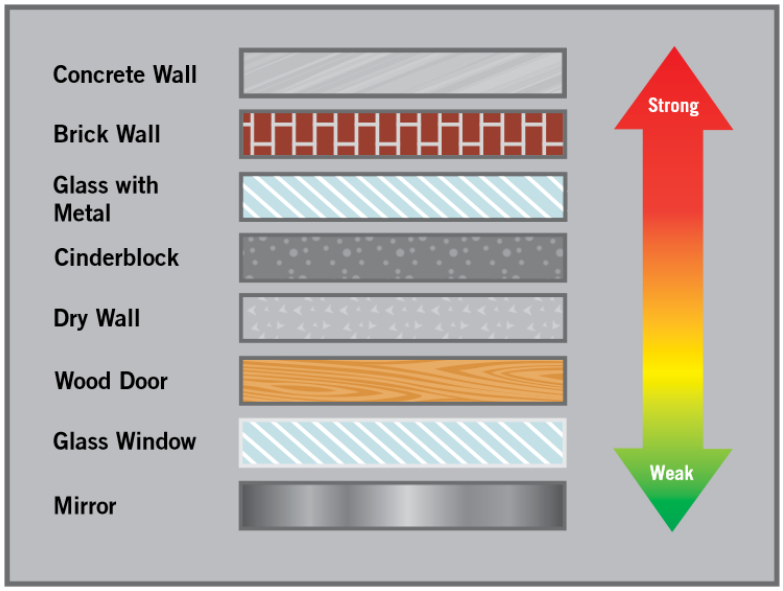
While using Yeewise WiFi security camera system, customers may experience video freeze, video lag or even "no video" issue. This is typically caused by weak WiFi signal from cameras to the NVR.
Based on 2.4Ghz WiFi, all cameras connect to the NVR's own WiFi, just like your phones/ tablets connect to your home WiFi router.

In line of sight, Yeewise WiFi cameras can be mounted 1000ft (300m) away from the NVR. The camera system handles distance very well. However, like any WiFi devices, the cameras do not handle obstacles very well. Each wall reduces its WiFi strength noticeably.

How Obstacles Affect Your Signal Strength

When your wireless signal is transmitted through various materials, such as walls and windows, the signal strength is affected. Though the NVR and wireless camera may be very close in proximity, you could still notice high signal

interference if the signal passes through certain obstacles. For instance, if the signal passes through a concrete wall, it will be severely weakened. Please reference the below chart to see which obstacles highly affect your signal and which do not.

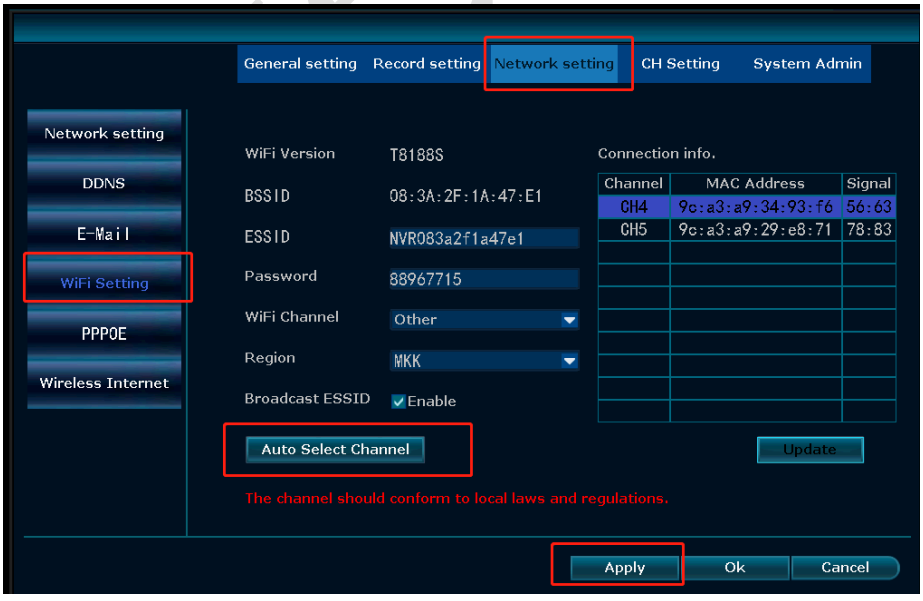


Based on the facts, below are some suggestions of how to optimize your cameras' WiFi connection.

1. Select a Wi-Fi channel with least interference for your NVR.

As the only hub, the NVR's WiFi performance is crucial. To select a least-interfered WiFi channel for the NVR, ensures its performance not affected by other WiFi devices.

This is how to,
In NVR's System setting - Network setting - WiFi setting. Click "Auto Select Channel", the NVR will automatically select a WiFi channel with least WiFi interference.



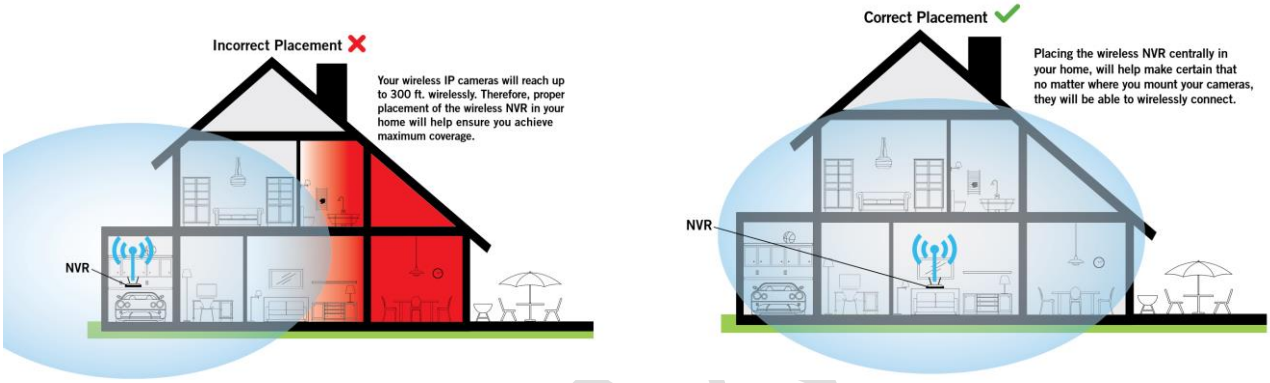
2. Place your NVR and cameras reasonably.

The NVR is the only WiFi hub, all cameras are WiFi devices that need to connect to the hub. Centralize the position of the NVR so it reaches all cameras well.

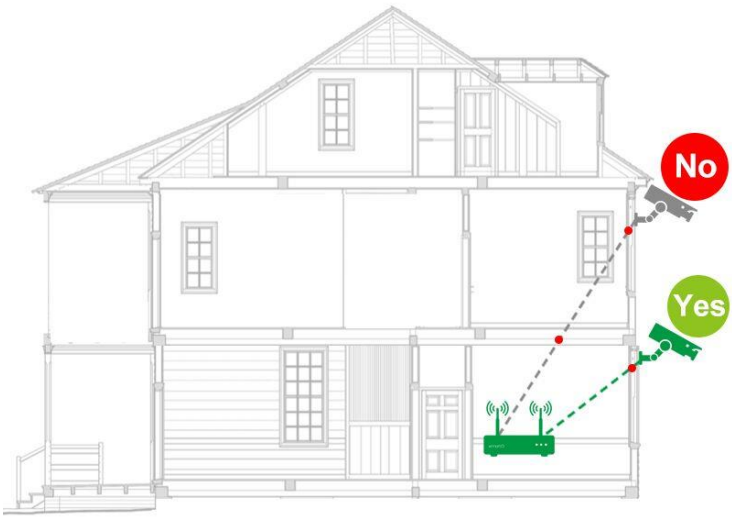
Principle of placing NVR and cameras: **avoid any possibly avoidable wall, in the line from NVR to cameras.**

Do not place near high voltage wires or other sources of electrical interference. Electrical interference will degrade the quality of the signal.

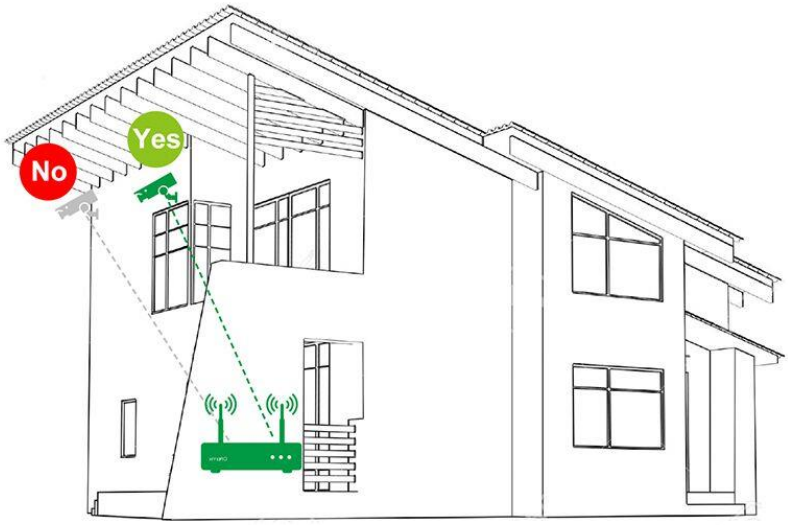
Below are some more tips:



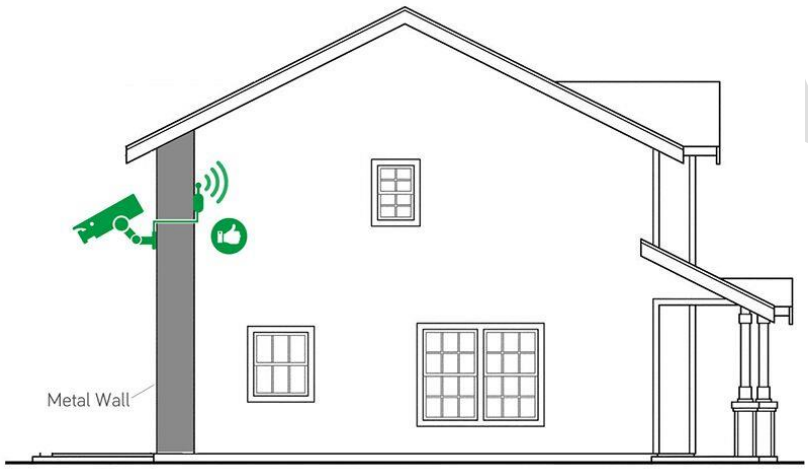
If there has to be obstacles between the NVR and camera, adjust the height of camera or NVR to avoid floor. Floors are normally heavier than walls.



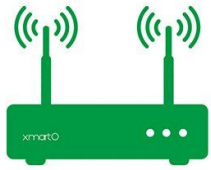
Always find possible open between NVR and camera, mount camera and place NVR's spot accordingly to allow signal to pass.



Metal walls (including metal garage gate) absorb wifi signal. Use extra extendable wifi antenna to bring camera's antenna inside the wall. This also works for heavy concrete wall.

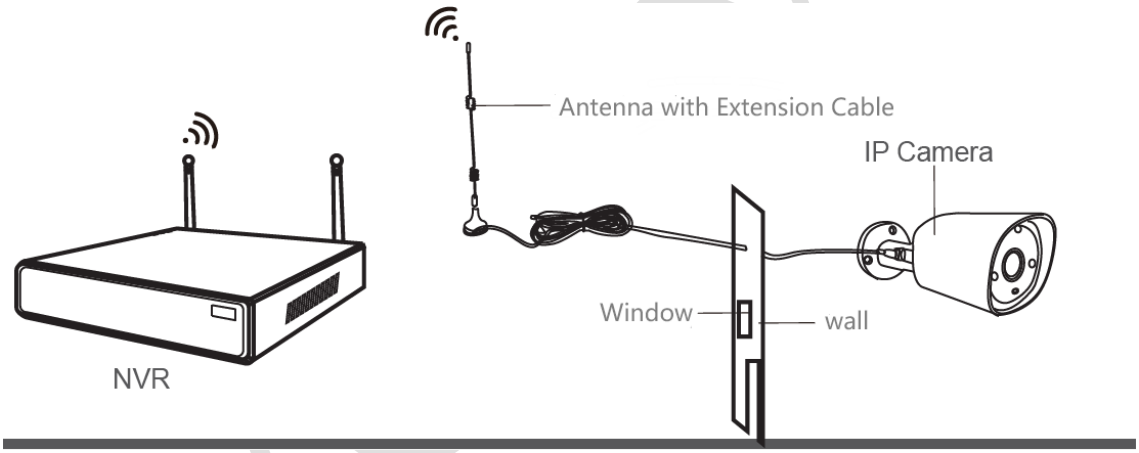


Try to keep camera and NVR's antennas parallel to get better signal pick-up.



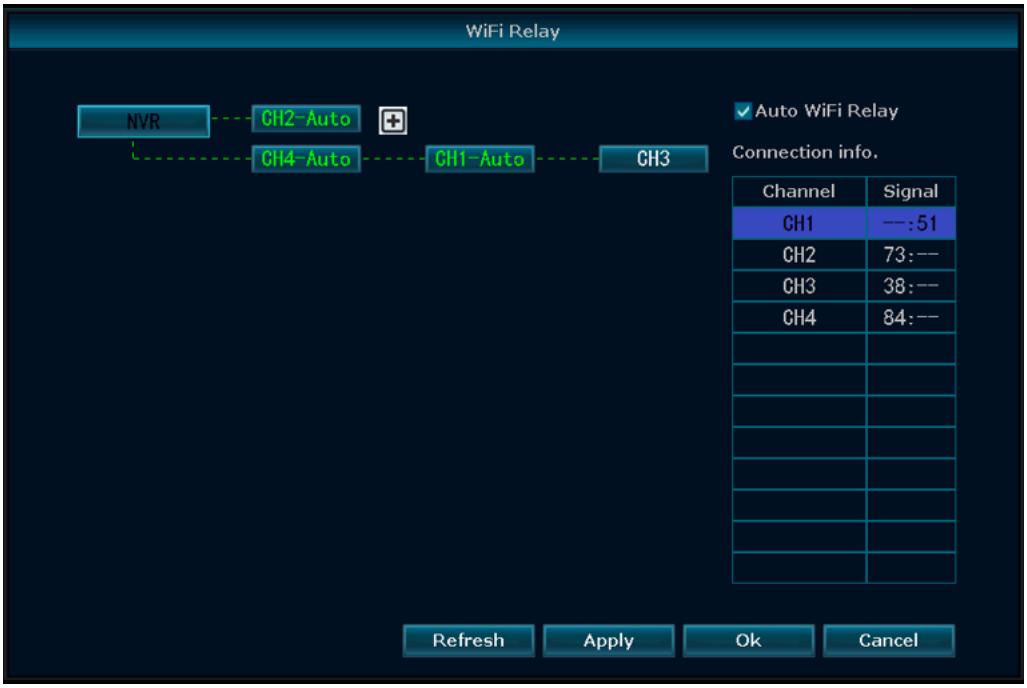
3. Bring the camera's antenna through a wall.

If a camera needs to be mounted behind a wall, you may use a WiFi antenna with extension cable to pass the wall. Search "WiFi antenna with extension cable" on retail website like Amazon, you will find a lot of options. Mount the camera behind the wall, drill a hole, wire through the hole to bring the antenna inside the wall.



1. **Take advantage of Yeewise Auto WiFi Relay technology.**
   The Yeewise Auto WiFi Relay technology uses cameras in middle as repeaters. That way, further cameras connect to closer cameras 1st, and then to the NVR as a group.

2. **Auto WiFi Relay**



3. Use a WiFi camera repeater.

Add a physical WiFi camera repeater for that camera.

4. Hard Wire Cameras.

If you cannot get a camera to work via WiFi anyway, you should consider to hard wire that camera, especially when it's PTZ camera.

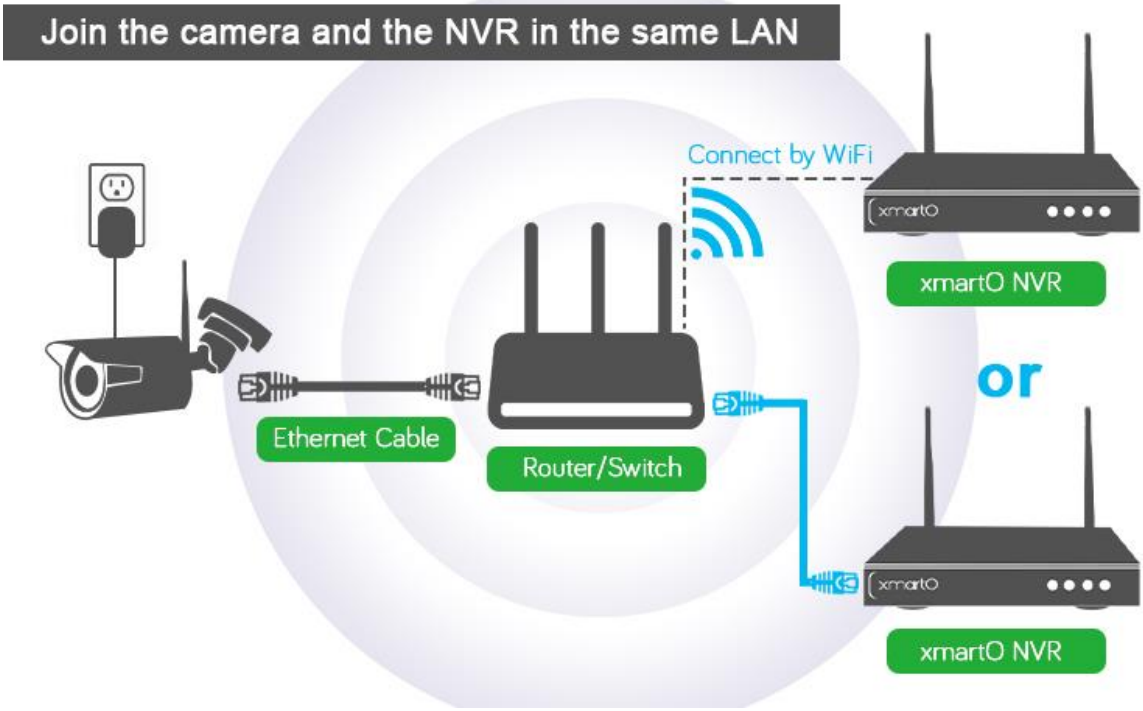
Here is how to hard wire a camera,

1. Plug the camera to power.

2. Use a standard CAT5/ CAT6 Ethernet cable to hardwire the camera to your router, or to a switch in your LAN network. (**Camera joins the LAN**)

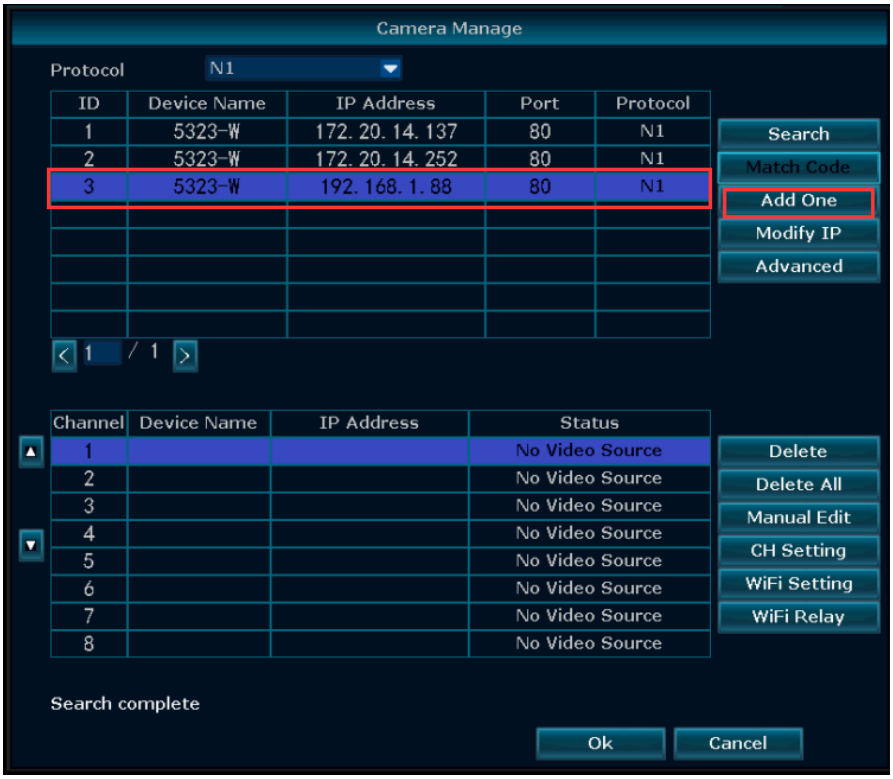
3. Connect your NVR to your home network. This should have already been done if you've connected your NVR for Internet access. (**NVR joins the LAN**)

Now, the camera and the NVR is in the same LAN network. They can recognize each other.



4. Add the camera to an NVR channel.

a) On the NVR screen, right click your mouse, then click Camera Manage, refresh till you see the camera listed in above box with IP 192.168...(*192 IP means the camera is connected through the cable*). Click the IP to select the camera.
b) Then, in below box select an empty channel. If you are changing a camera from WiFi to Ethernet, you need to delete that channel from below box to get an empty channel.
c) Click "Add One" to add the camera to channel.



The camera's IP remains to be 192.168...now, your camera is streaming and working through the Ethernet cable. You can go ahead to mount the camera.