# Network Video Recorder
# Quick Start Guide

U Version: 1.3

## Important Safety Instructions

- This device is designed and manufactured to assure personal safety for indoor usage. Improper use can result in electric shock or fire hazard.
- Do not use this product near any liquids.
- Do not place this product on an unstable surface.
- Do not drop or shake the product.
- Do not allow anything to rest on the power supply and power cord.
- Never connect other uncertain power supply to this product as it
- may cause dangerous voltage or short out that could result in a fire or electric shock.
- Do not put this product in a airtight space. Keep cooling system unobstructed.
- Unplug this product from the wall outlet before cleaning.
- Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

## FCC statements

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.

## LVD/EMC Directive

CE This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

## WEEE Directive-2012/19/EU

The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

## Battery Directive-2013/56/EC

Battery in the product complies with the European Battery Directive 2013/56/EC. For proper recycling, return the battery to your supplier or to a designated collection point.

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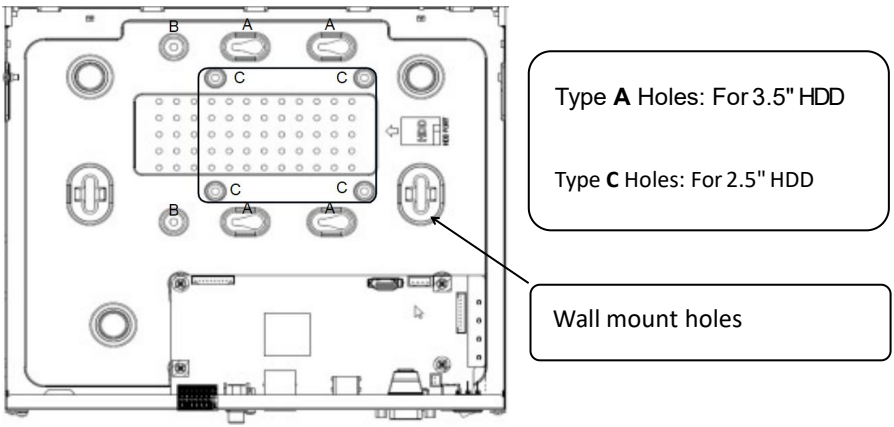
**Hard Drive installation**

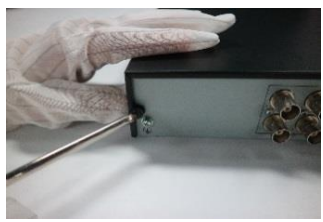
There is no Hard drive built-in the NVR product in general selling. To store your media data, you have to buy at least one 3.5 inch or 2.5 inch Hard Drive and install it by yourself.

An example for hard drive screws holes diagram:



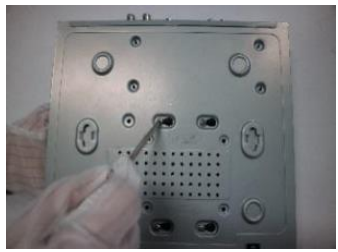

**Installing steps:**

Important: Unplug the power cord from the power outlet before installation.

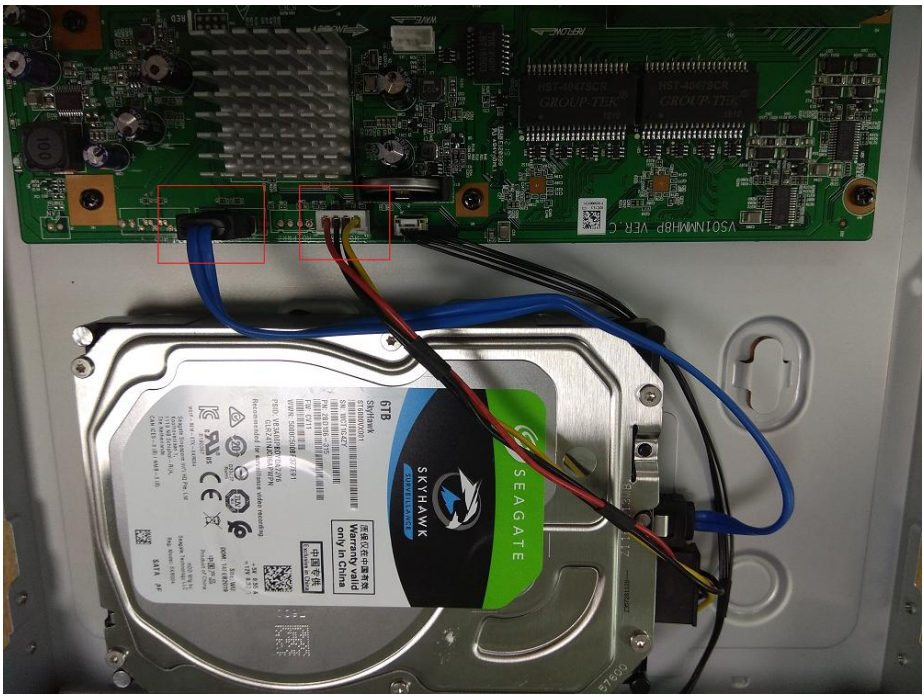


1. Loosen screws on the rear panel and both sides. Remove the cover.

2. Tighten the 4 screws a bit to hard drive screws holes, connect the data and power cables



3. Slide the hard drive into the screw slots. Tighten all screws.

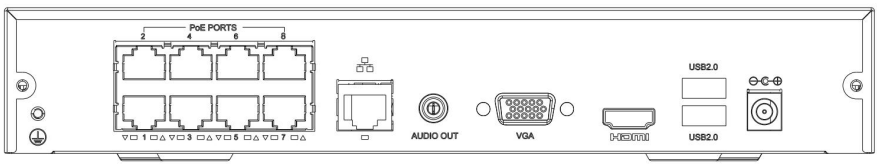



4. Connect the HDD data and power plug to recorder main-board.

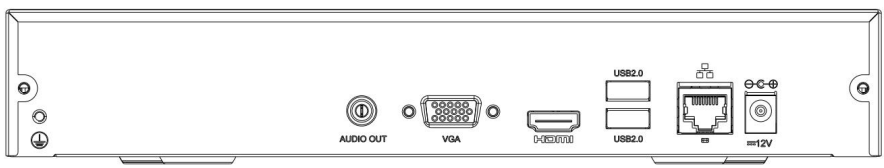
5. Put the cover back and tighten all the cover screws.

**Product panel View**

- Rear Panel built-in PoE switch



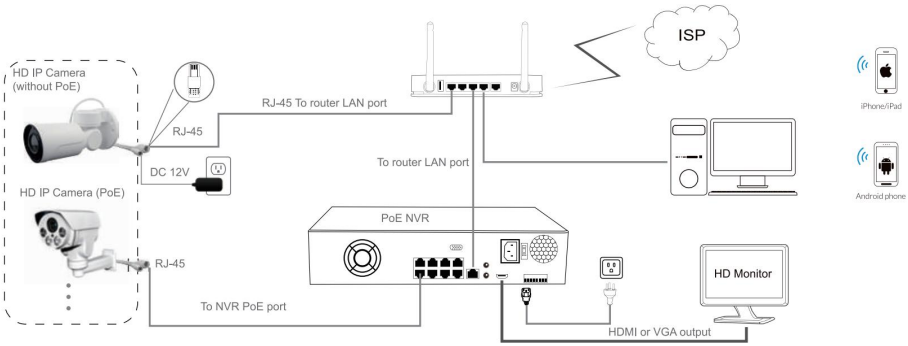

- Rear Panel without PoE switch



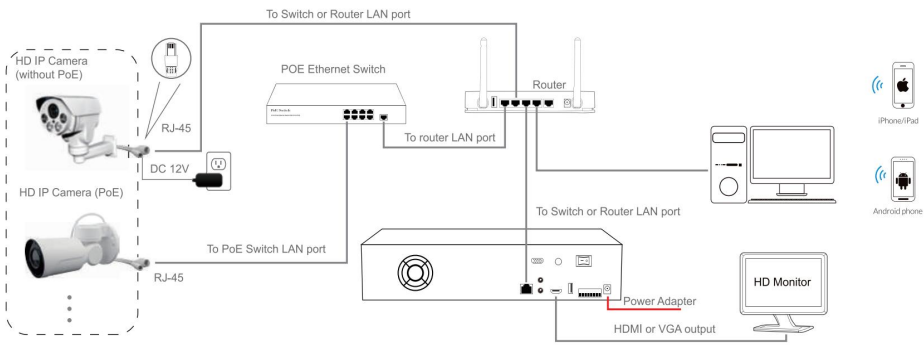

**Notice:** Pictures are for reference only. The actual NVR may vary in appearance.

# System Connection Diagram

A) Product built-in PoE switch




B) Product without PoE switch



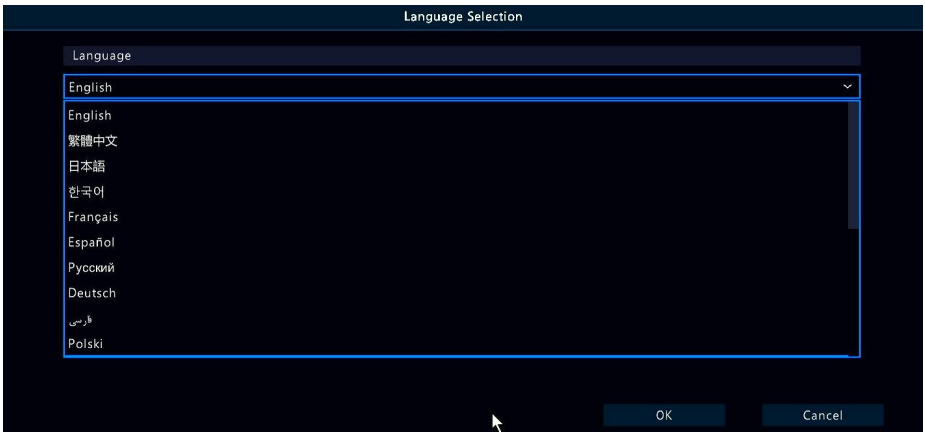

**Important:**

- The NVR built-in PoE switch ports are intended only for PoE cameras, do not connect to other devices. Otherwise, it may cause damage to your devices.
- It's recommended to use Cat5e or above standard 4 pairs UTP for PoE network communication.

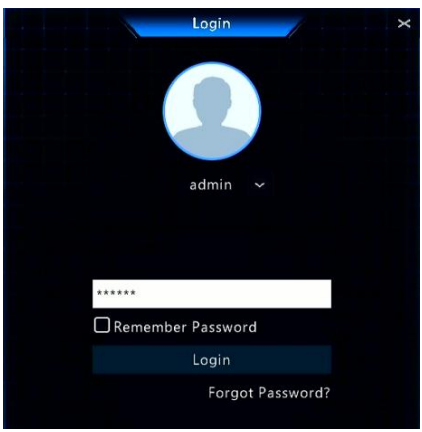
**Power on and setup NVR following Wizard**

After switching on, the recorder system **Startup Wizard** will pop up to guide you setup your system quickly.

**Select your familiar language**




**Login with default admin account**

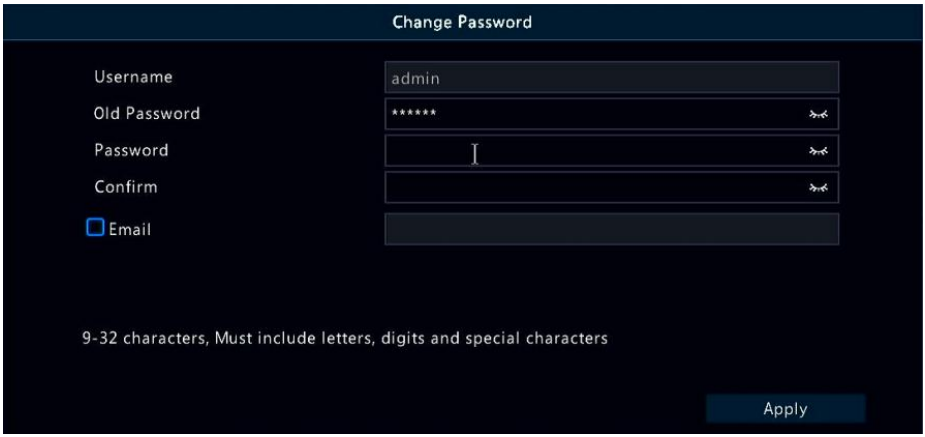



**Default Password**

Username: admin

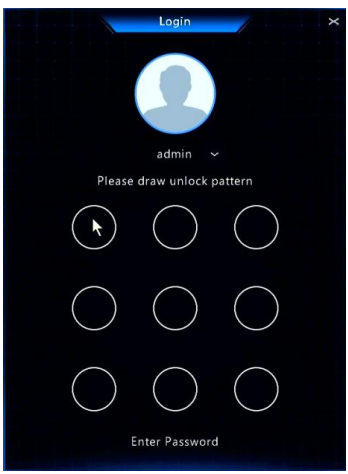
Password: 123456

**Change a strong password for admin**




It’s high recommended to setup a strong password at lease 8 characters that contain 3 kinds of characters above included in letters, digits,and special characters.

**Set a pattern for unlocking the NVR more friendly**



## Time and time zone setup

## Network configuration

DHCP mode is enabled for obtaining IP address configurations automatically when there is a router or DHCP server connected in the LAN network.

If the NVR is not connected to a router or DHCP server, the NVR will set itself to

192.168.1.30 by default. You can set your PC IP address to 192.168.1.* to access the device in the local area network.

**Remote Access via Smart Phone App**

Scan the QR Code to download app, then register and login to add this NVR.

**Start-up task bar**

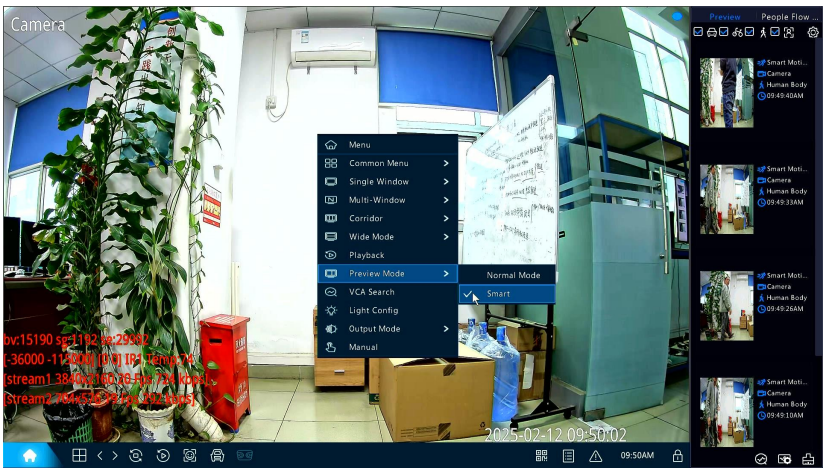
**Menu**: go to settings menu.

**Playback**: search video and playback video files.

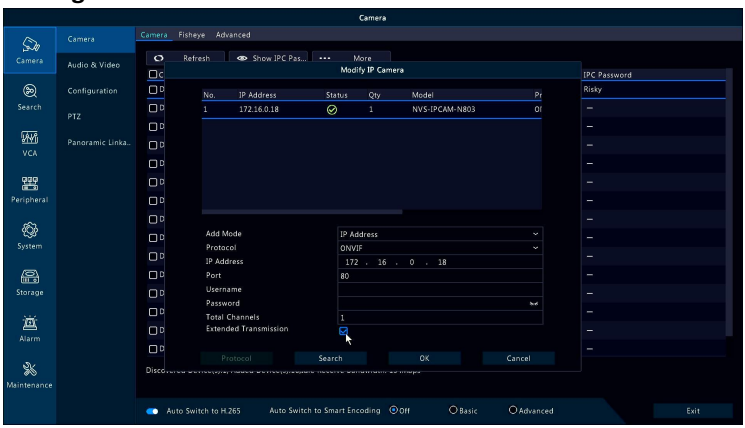
**Shutdown**: shutdown or reboot this system

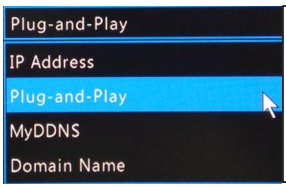
**Channel toolbar**

**Right-click menu**



## Adding IP camera




**Add Mode:**

Only PoE NVR can support **Plug-and-Play**

No PoE NVR select IP address to add manually

### Adding PoE Camera to NVR by plugging into NVR PoE Port

1. Make sure your camera can support PoE function.
2. Connect the PoE camera to NVR PoE port via Cat5e (4 pairs UTP) cable.
3. Camera will show video in 1-2 minutes automatically.(**Plug-and-Play**)

### Adding camera to No PoE NVR

1. Make sure your camera can support PoE function or not.
2. PoE camera: Connect the PoE camera to your network switch PoE port via Cat5e (4 pairs UTP) cable.
3. No PoE camera: Connect the camera to your network switch port via Cat5e cable. Then connect the camera **power supply** to camera power jack.
4. Connect NVR LAN Port to the same network switch with cameras.
5. Go to NVR **Menu** -> **Camera** -> **Refresh**, search and add camera manually.

**Important:**

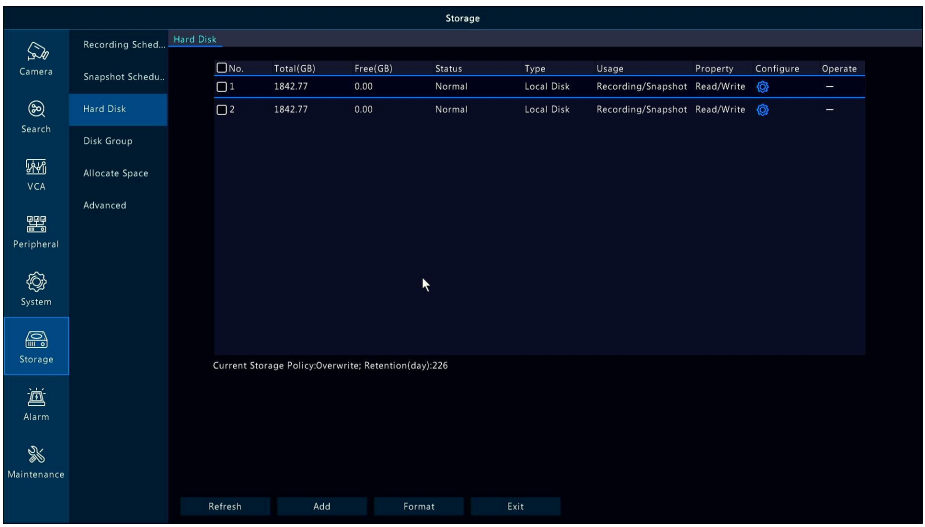
- If the NVR can not recognize your camera, please check the camera IP address configuration using the camera search tool to assign the same IP schema to the cameras. (e.g. NVR:192.168.1.130, IP cameras: 192.168.1.131, 192.168.1.132 …)
- If camera is listed on NVR but no video , please double-check the password when adding.
- This NVR PoE Ports has a built-in DHCP server, enable camera DHCP when testing the plug-and-play compatibility with your PoE camera.
- It is recommended to use static IP address both on NVR and cameras for more stable working in daily use .
- Extended Transmission function may do some help when the running cable over 100 meters. (switch port to 10mbps)

**Setup Recording Mode**

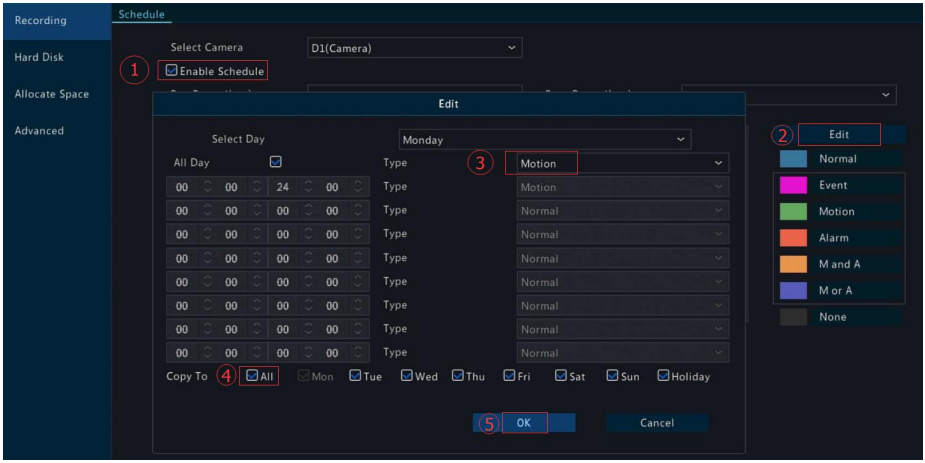
The NVR will start 7*24hrs continuous recording once camera added. This is the most reliable way to store your video/audio in daily use. Motion only recording will extend the recording time before the recordings are over written

Follow the steps blow to enable **Motion/Event** recording:

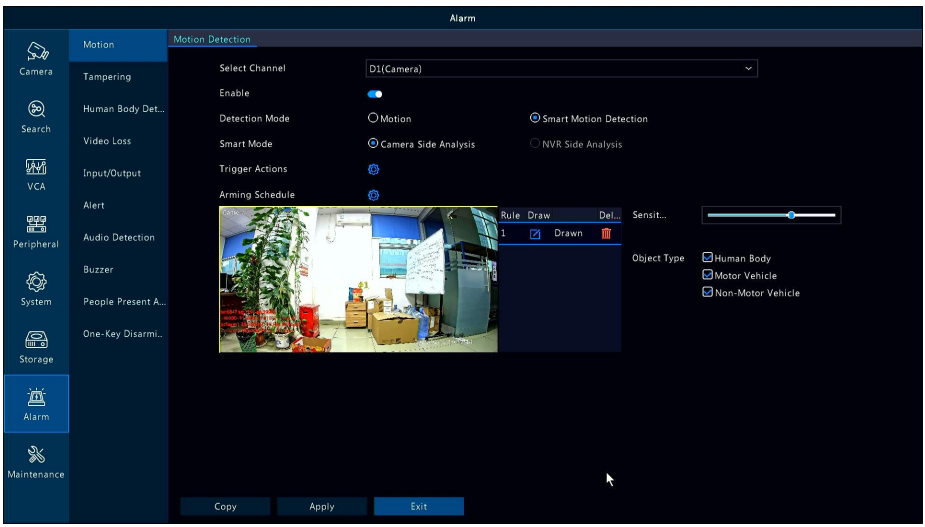
1. Go to **Main Menu** -> **Storage** -> **Hard Disk**. Check the HDD status ,make sure it's **Normal** and **Read/Write**.




2. Go to **Storage** -> **Recording**, Edit the Schedule to **Motion** or **Event**.




3. Go to **Main Menu** -> **Alarm** -> **Motion** -> **Motion Detection**. Enable Motion detection on each channel. (By default, all channels **Smart Motion Detection** are enabled. Only Human and Vehicle trigger alarm)




4. Test to be sure motion is detected and the NVR is recording the motion.

Move around in front of the camera, the icon will display at the top-right corner on each channel. If the icon does not appear, you should access camera

web interface configurations and enable motion detection manually.

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**Important:**

Some third-party camera cannot enable motion detection function via NVR menu directly, you should access camera web interface to enable Motion Detection.Then change detection mode to normal motion in NVR menu.

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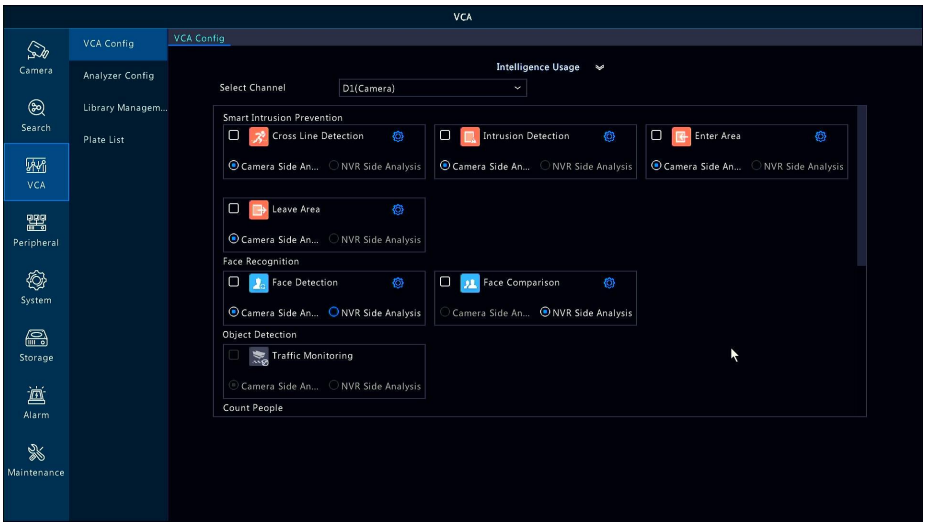
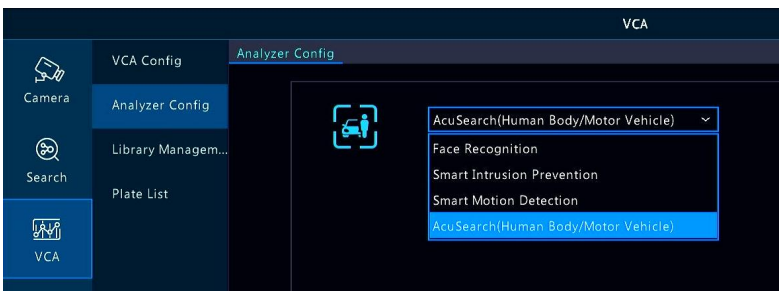
## *Intelligent Smart VCA functions

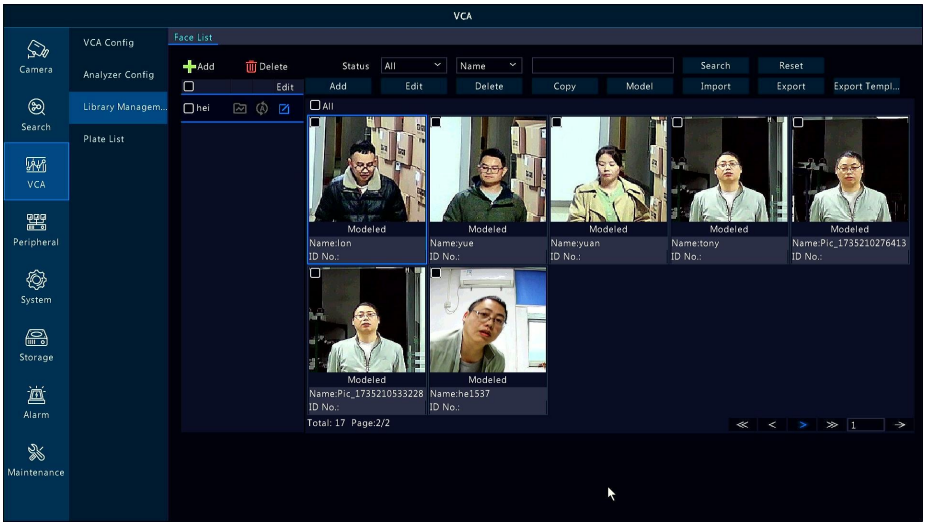
### *NVR VCA Capabilities:

| | |
|---|---|
| **Face Recognition** | Face Detection Face Comparison |
| **Perimeter Protection** | Cross Line Intrusion Detection Enter Area / Leave Area |
| **Mixed-Traffic Detection** | Vehicle Detection Human Body Detection |
| **People Counting** | People Flow CountingCrowd Density Monitoring Counting Report |
| **Exception Detection & Statistics** | Defocus Detection Scene Change Detection Object Removed Object Left Behind Auto Tracking |

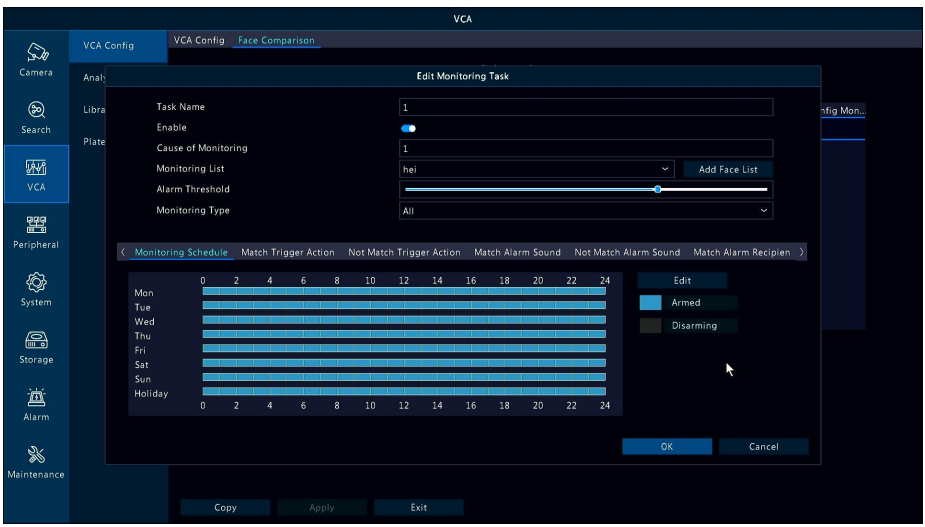


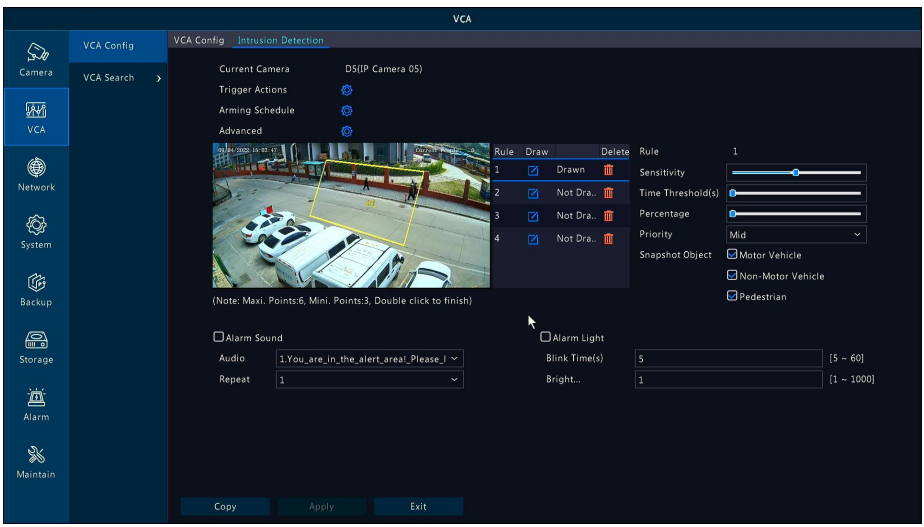
## Face library management




## Face comparison



Intrusion Detection




***Note:**

*Different camera models may have different functions, the pictures above are for reference only. If you have any questions about VCA contact your supplier.*

**General video playback**

Go to **Start** -> **Playback** or **right-click** menu **Playback** to get into the playback interface.

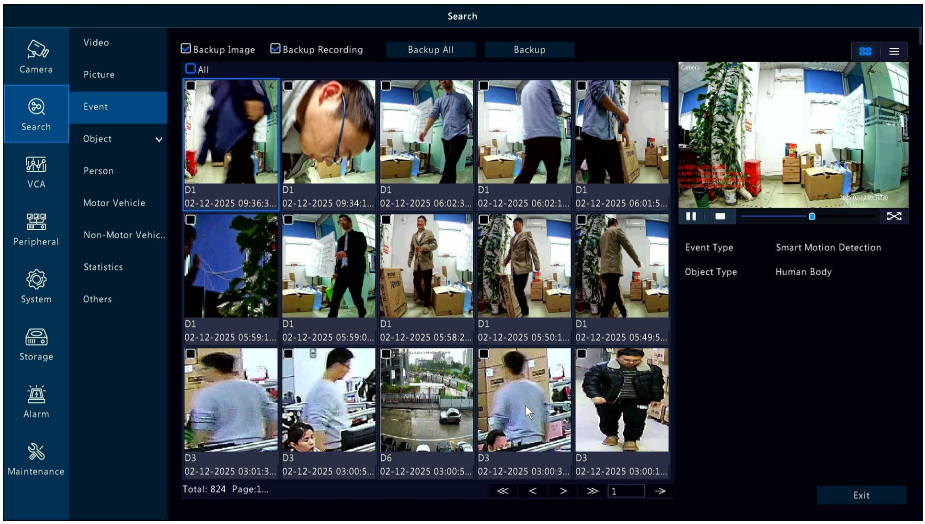
Select the desired date and camera then click time line to start playback.

In this interface, cut video, copy to USB, playback USB files, snapshot functions are available.

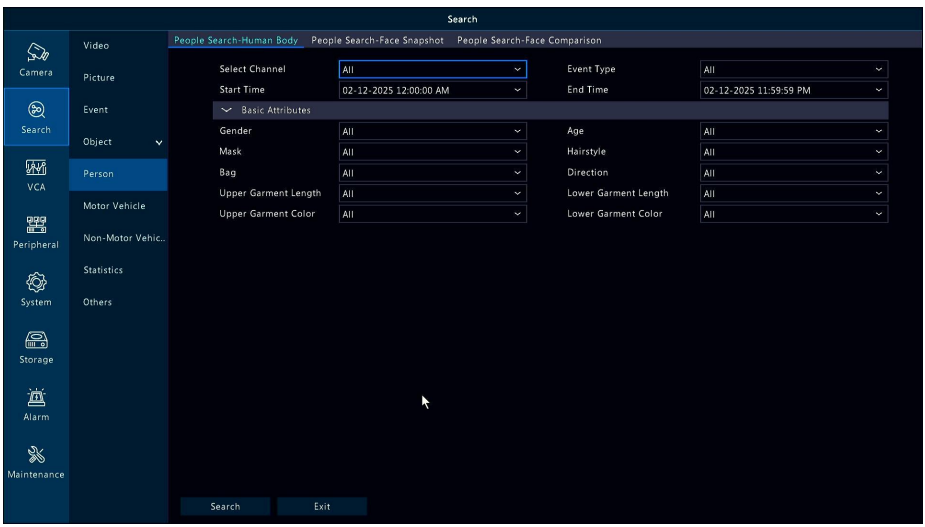
**VCA Search**

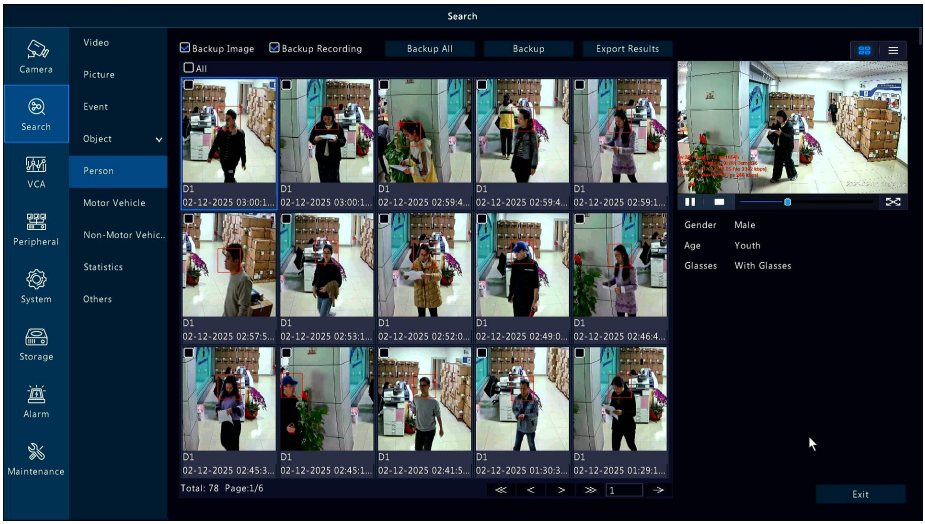
Go to **Start** -> **Menu** or **right-click** menu **Search** to get into the VCA Search page, select event or object to search.

**Event Search (All Event)**

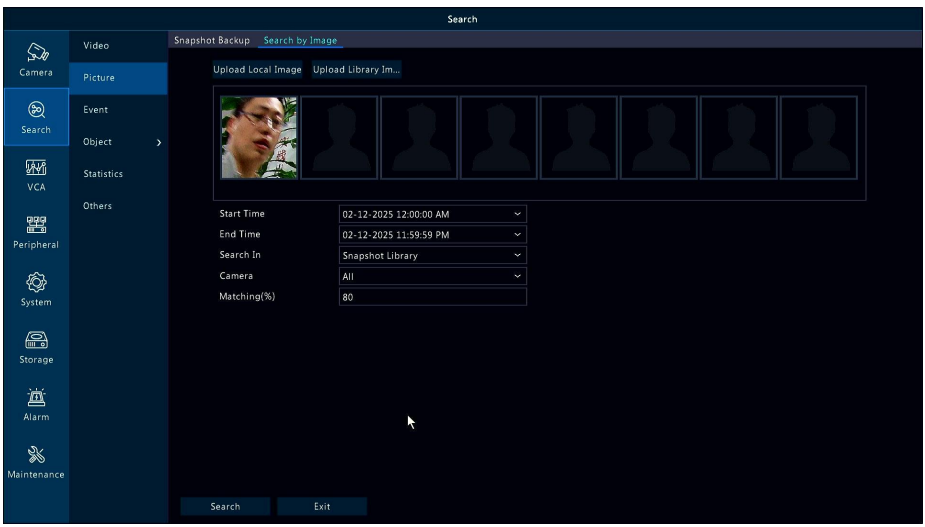



**Object Search (Person, Vehicle, non-motor , Human body, Face, Face comparison)**






## Search by Image

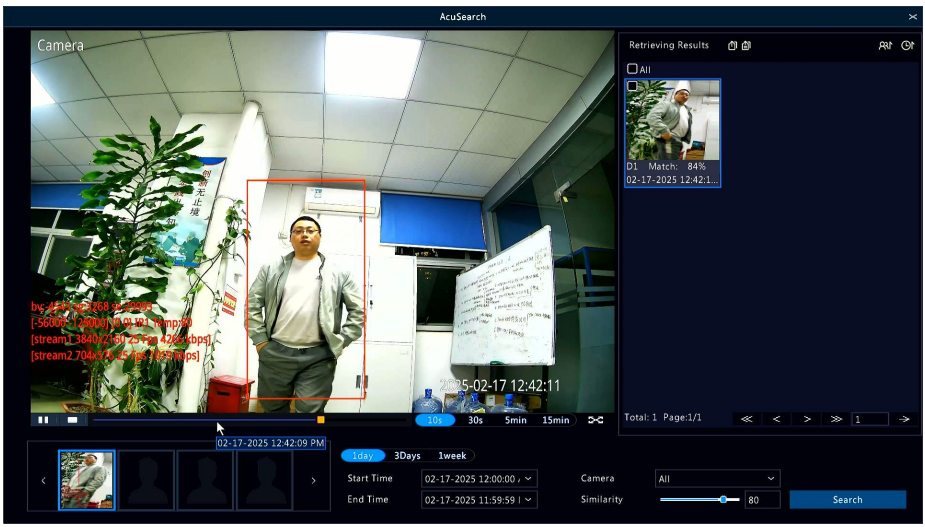



Upload a face image or human shape picture to search the related video.

**AcuSearch**

Live preview AcuSearch

Playback AcuSearch



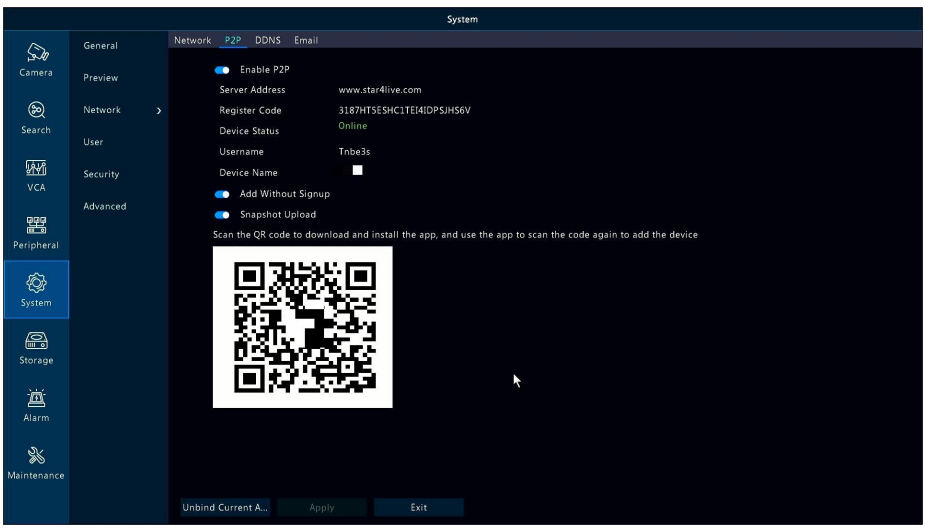

AcuSearch function can quick search the hard drive video clips via target Human body or Vehicle features then show out by time line for easy tracking.

**Remote access via mobile phone**

This NVR supports Android and iPhone app remote access. Follow the steps below to make it work:

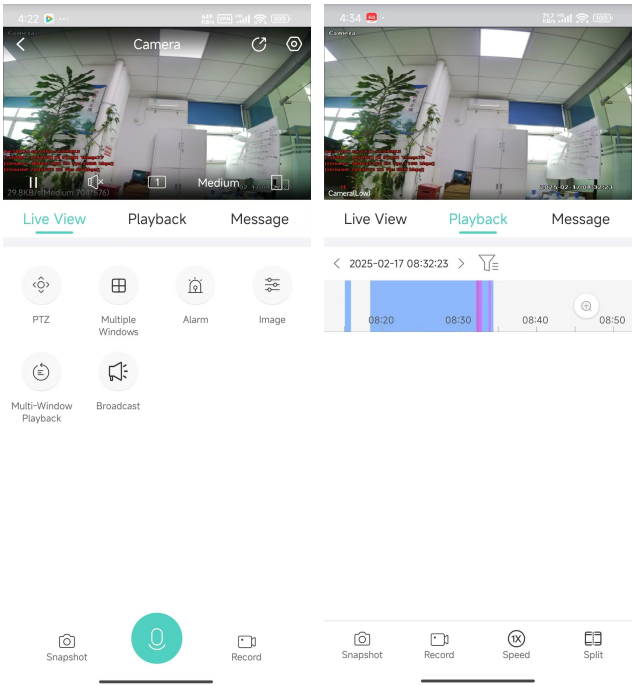
1. Search **"Elink defense"** in Google Play or Apple Store, or scan the QR code to download and install the app.

2. Go to Main **Menu** -> **Network** -> **Basic** -> **P2P**, make sure the **Enable P2P** is checked, and the **Device Status** is **Online**.



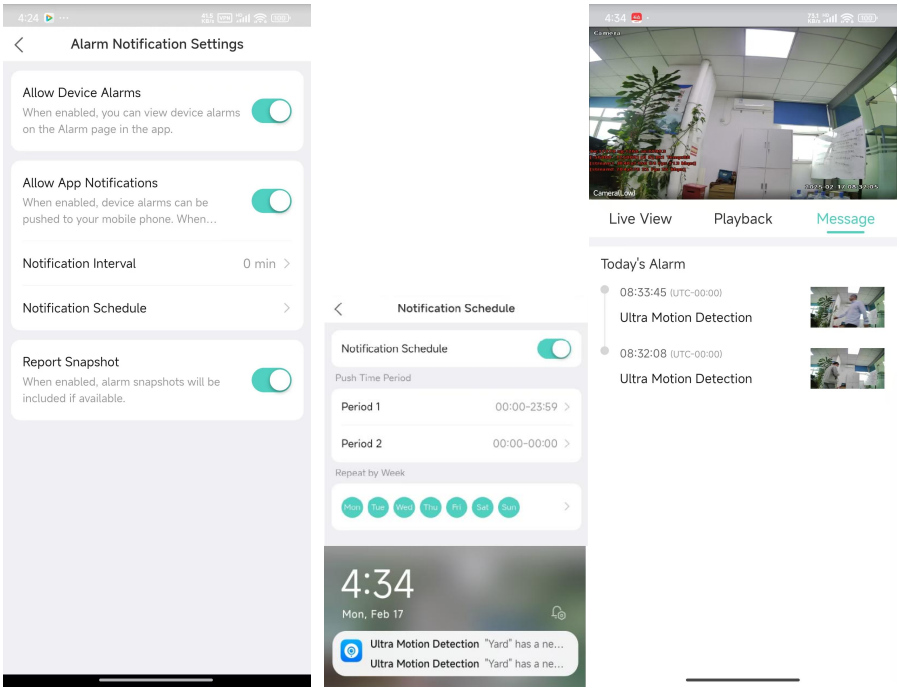

3. Open the app and **Sign Up**, then tap **+ / Add Device** scan the above P2P QR code

4. **Live view** and **playback** on mobile phone via app



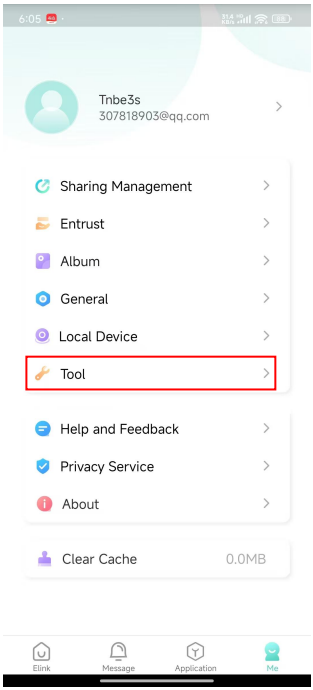

PTZ, Two-way audio, Alarm Relay(Red-Blue lights), Image adjust are all available here.

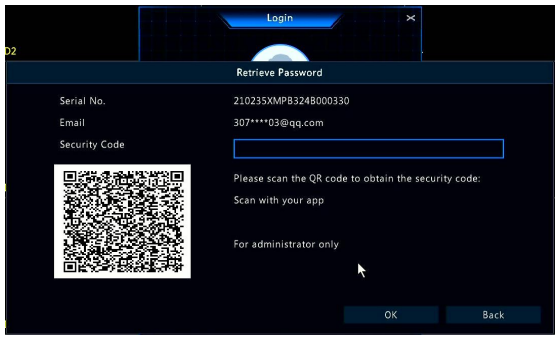
5. Alarm Push Message




Goto **Alarm Notification Settings**, enable all and open Schedule. When event happen the message will push to lock-screen and app Message list.

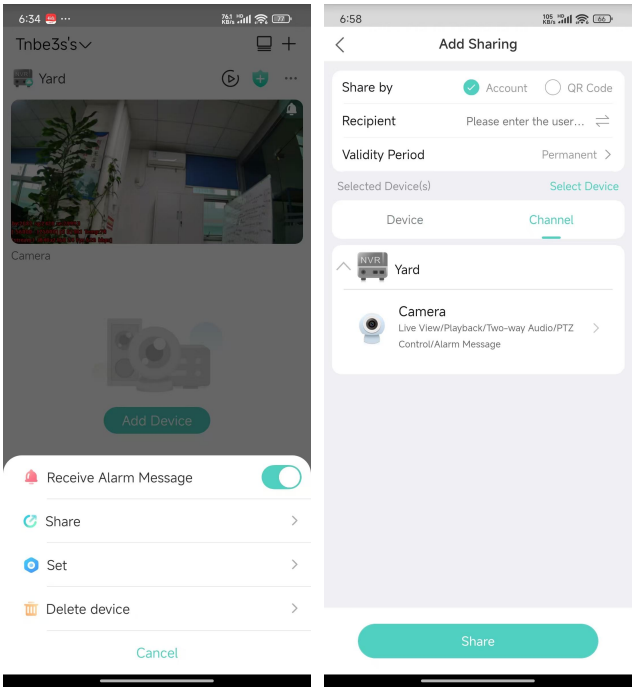
6. Reset NVR password by app




Goto **Me** -> **Tool** -> **Forget Device Password**, click **Forget password** in login screen, scan the QR Code, the password reset link will send to the email address you set before.

7. More NVR/Camera settings




Click top-right "**...**" ,you can share device, update NVR/Camera firmware or do more NVR/Camera settings in app.

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**Important:**

- Once the NVR is added to the app account , the first account will become the owner and other users can not add the NVR to there app until you share it manually.

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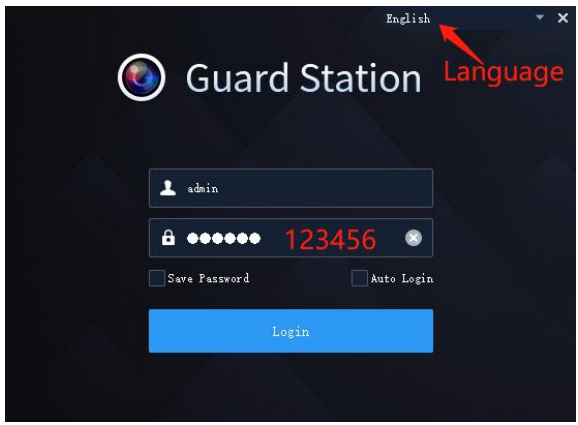
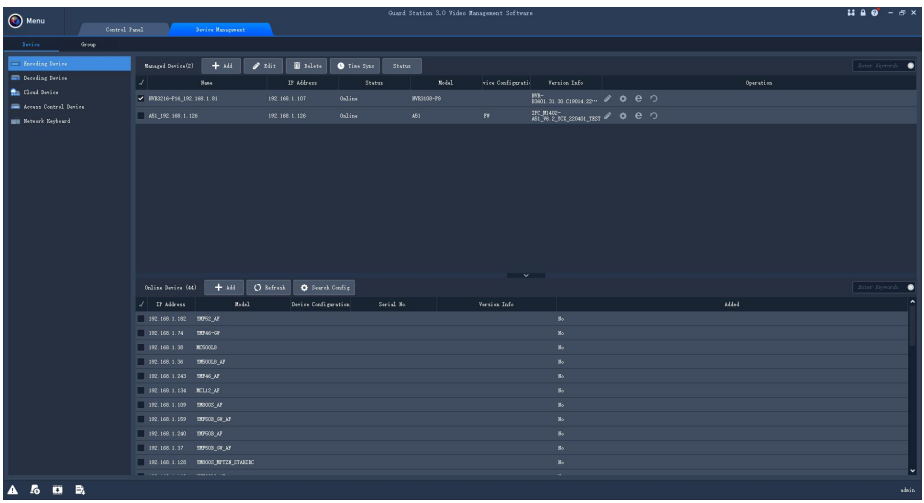
**Remote access NVR via PC client software**

1. For Windows PC please download the software **GuardStation_for_windows.exe** and install it as administrator.
2. For Apple mac please download the software **GuardStation_for_mac.pkg**.
3. Login with default username and password *(admin 123456)*



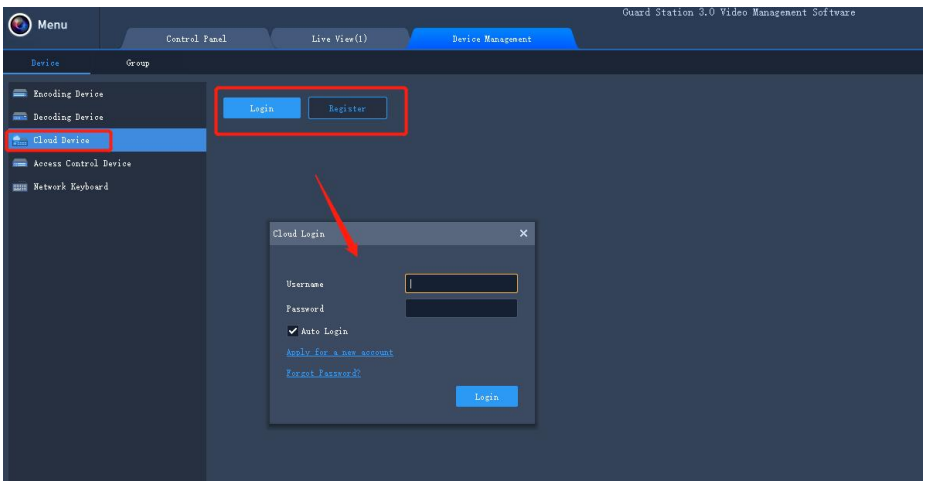

Guard Station 3.0

4. Goto **Device Management** to add devices.



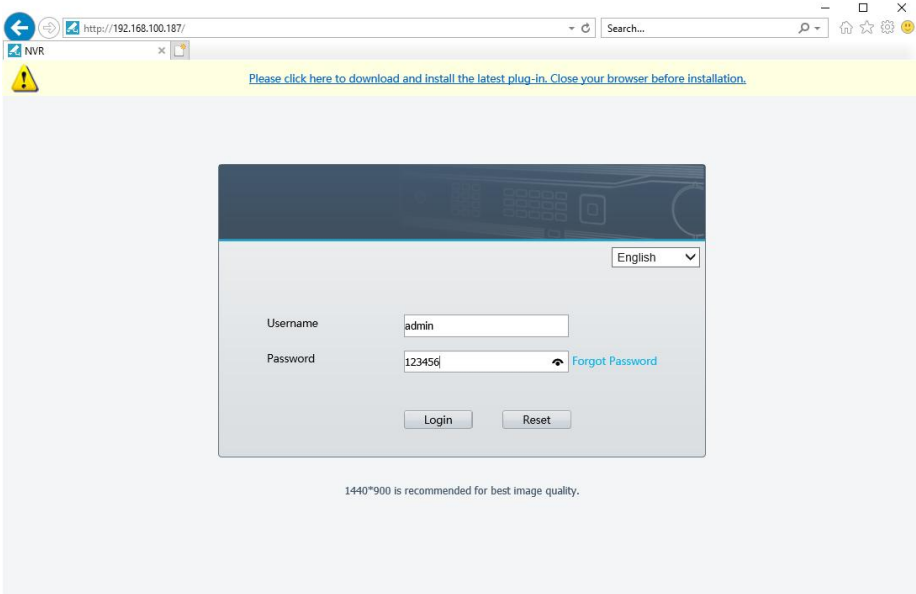
*(Default user name: admin, Password: 123456)*

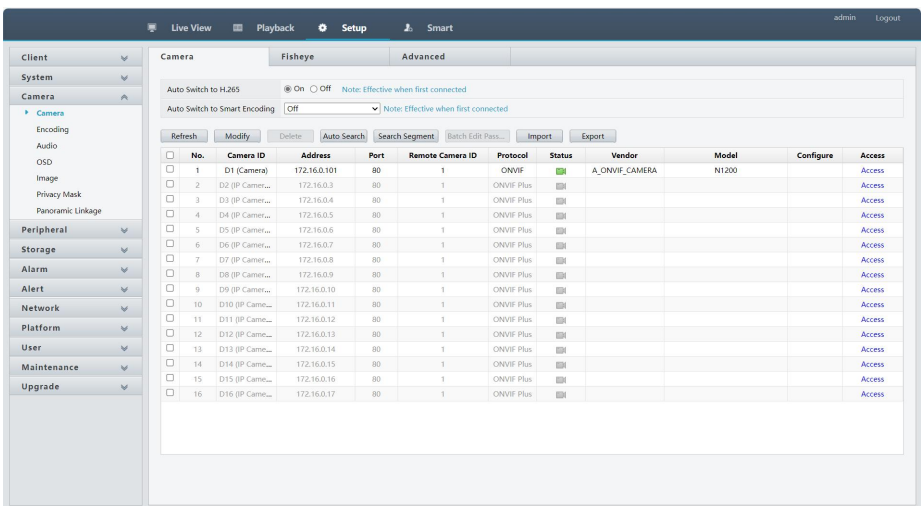
If you want remote access to NVR via this PC client software anywhere you should register an account to bind you NVR. The fast way is register via mobile app **Guard Viewer**, then login on PC.



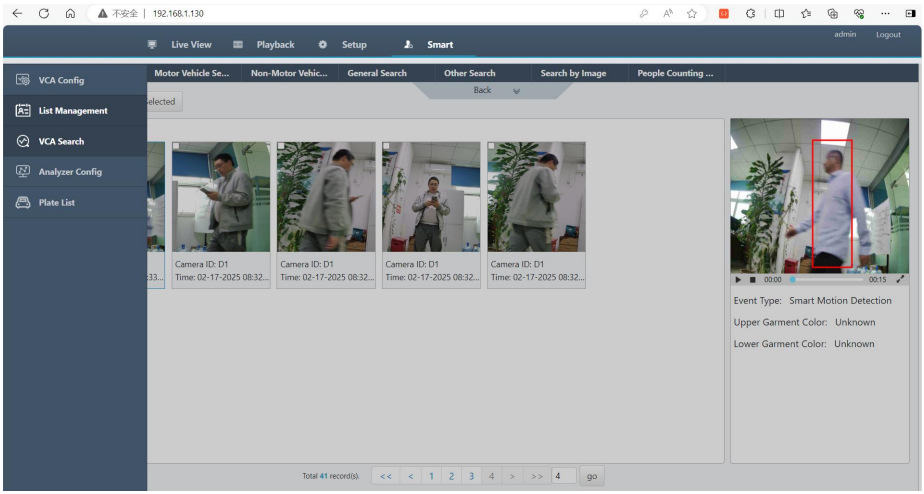
**Remote view NVR via Internet Explorer**

For local IP address access enter the NVR IP address into address bar in Internet Explorer to get into the NVR Web interface. You may be prompted to install the webplayer plug-in at the first time logging in to the web interface



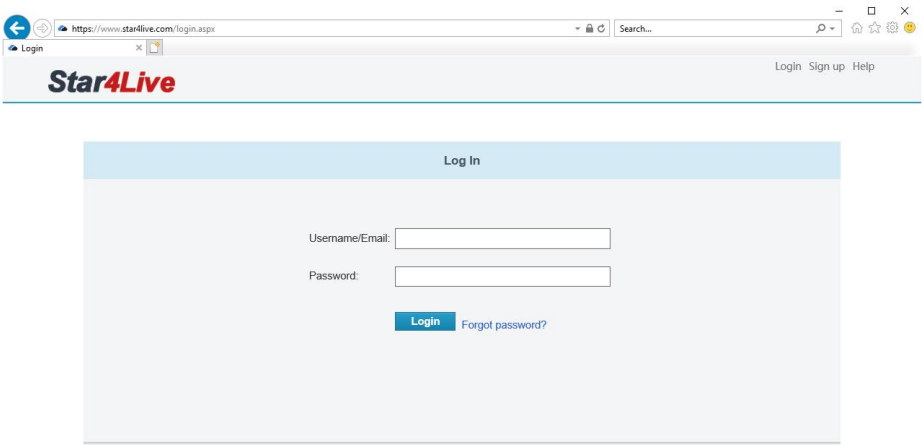



Click “**Access**” can jump to camera web page.




Almost all functions can be operated via NVR Web page .

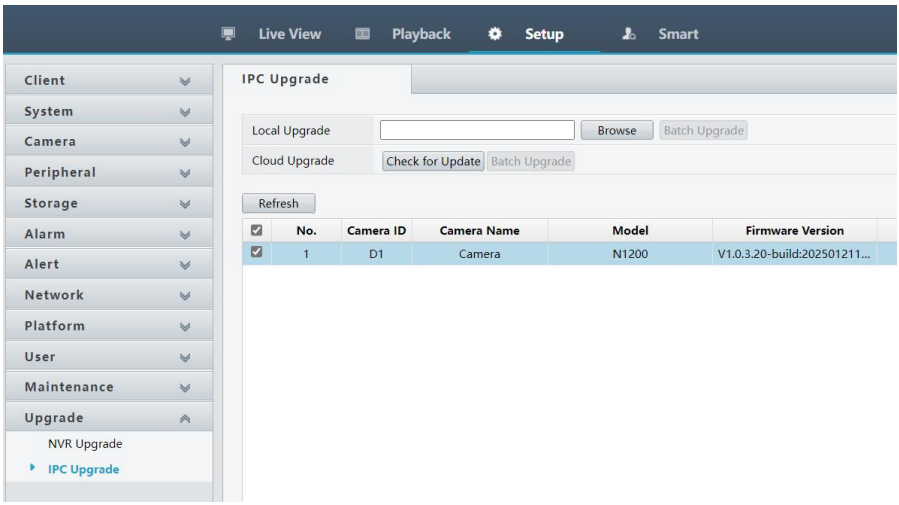
For Internet remote cloud access , please go to https://www.star4live.com

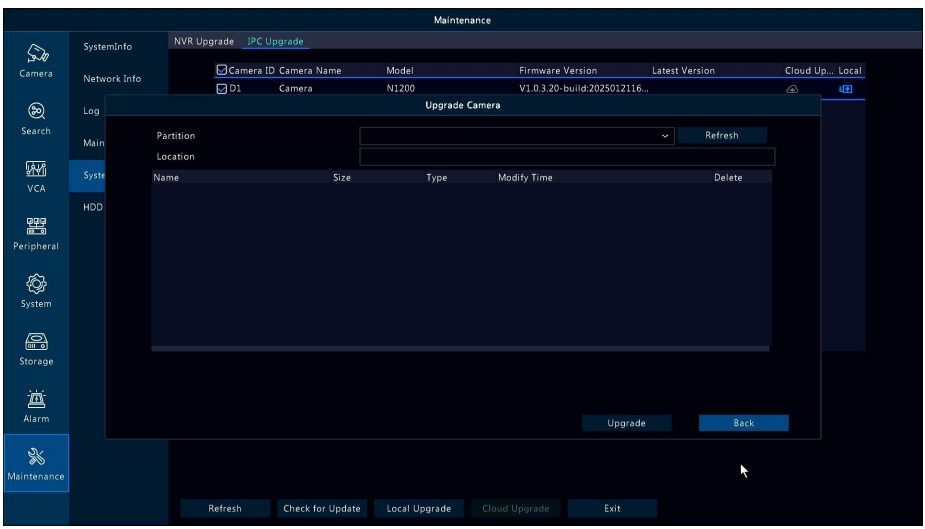


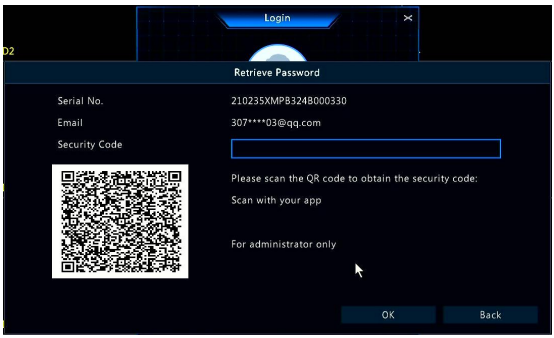

Sign up or login to your account to view your device via cloud management service interface.(use the same account as the app)

**System update (included camera)**

1. NVR update: a) app check online version, b) by Web page, c) via USB drive
2. Camera update: a) by NVR Web page, b) via NVR send firmware to camera for batch upgrade.(This function is very helpful when camera connected with the NVR internal PoE switch)



**Admin Password Reset**

Click **Forgot Password** on the **Login** page, reset by email using app tool or take a picture and then send it to your dealer for a **Security Code** to reset your password.