

Network Video Recorder Quick Start Guide

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



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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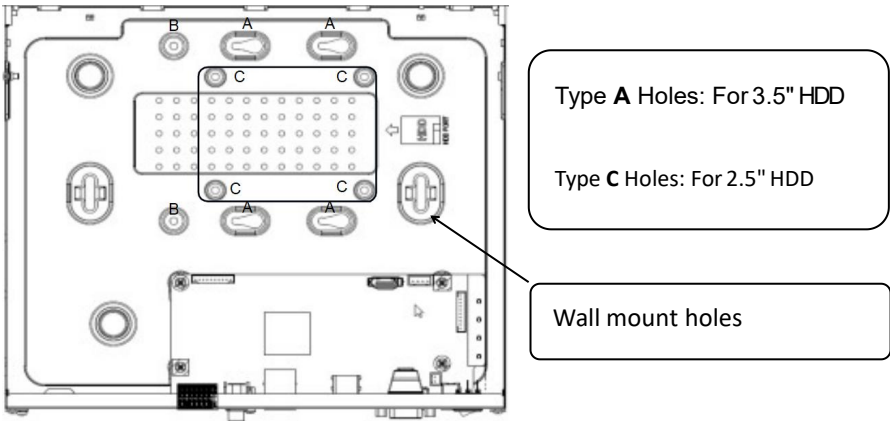
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Hard Drive installation

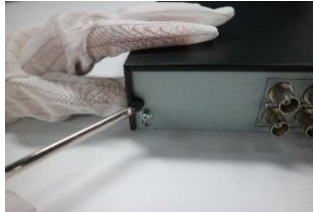
There is no Hard drive built-in the NVR product in general selling. To store your media data, you have to buy at least one 3.5 inch or 2.5 inch Hard Drive and install it by yourself.

An example for hard drive screws holes diagram:



Installing steps:

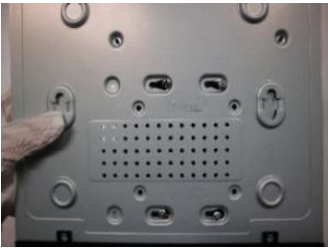
Important: Unplug the power cord from the power outlet before installation.



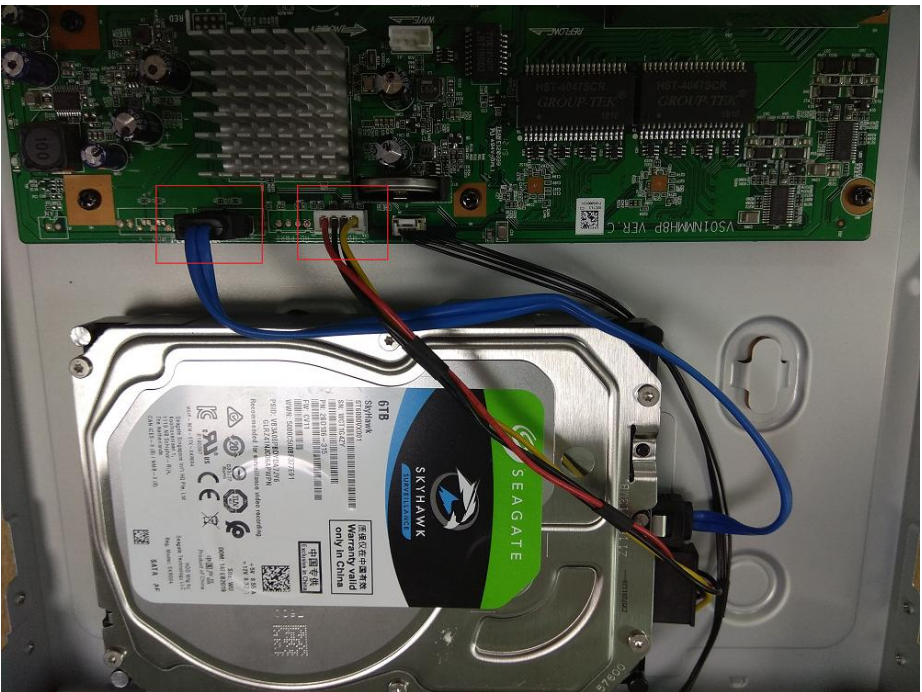
1. Loosen screws on the rear panel and both sides. Remove the cover.



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.

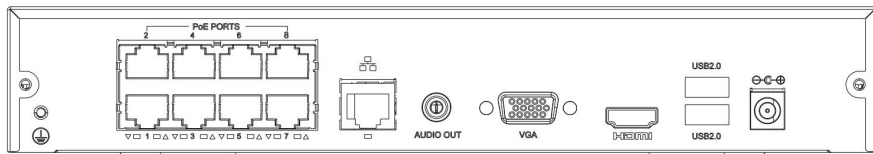


4. Connect the HDD data and power plug to recorder main-board.

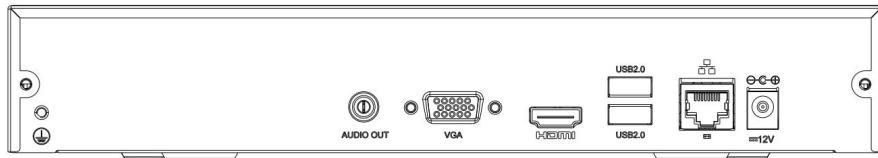
5. Put the cover back and tighten all the cover screws.

Product panel View

- Rear Panel built-in PoE switch



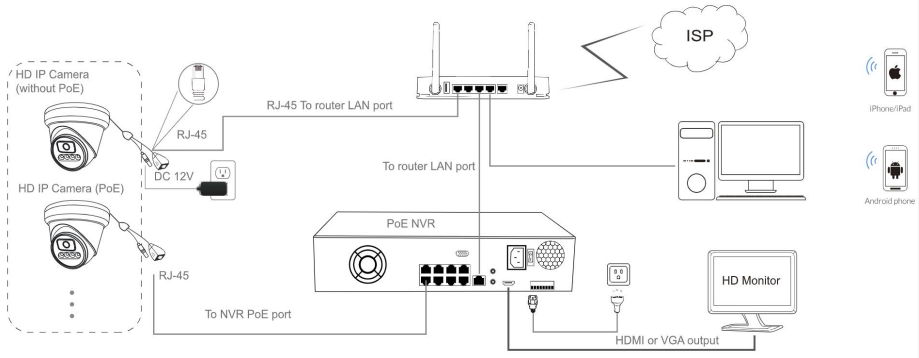
- Rear Panel without PoE switch



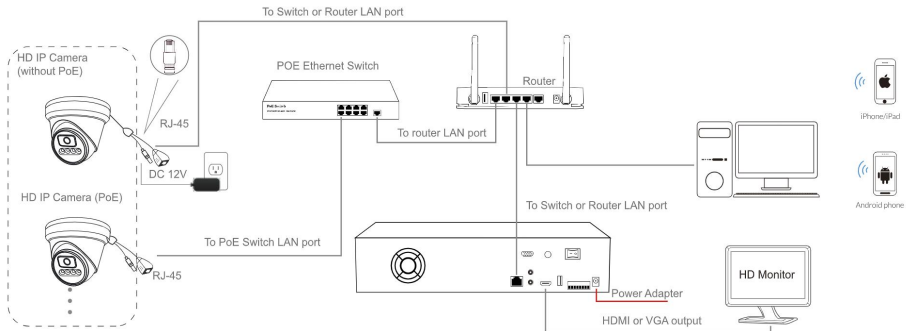
Notice: Pictures are for reference only. The actual NVR may vary in appearance.

System Connection Diagram

A) Product built-in PoE switch



B) Product without PoE switch



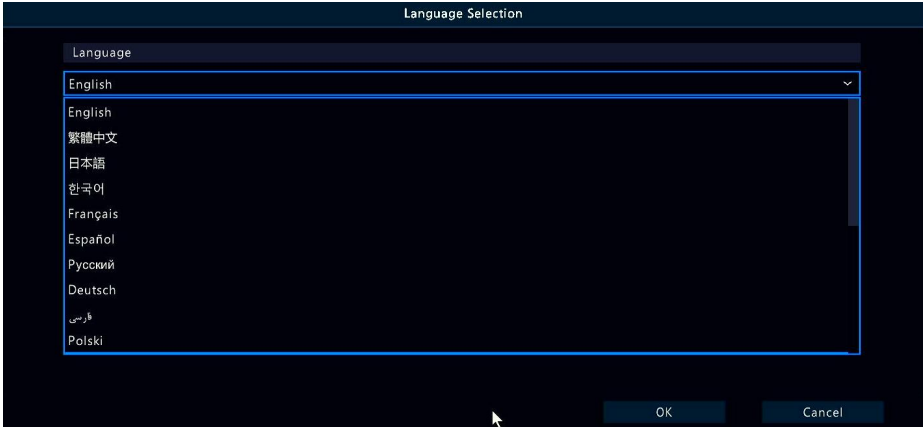
Important:

- 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.

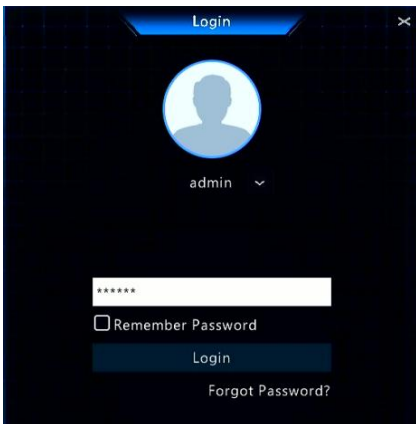
Power on and setup NVR following Wizard

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

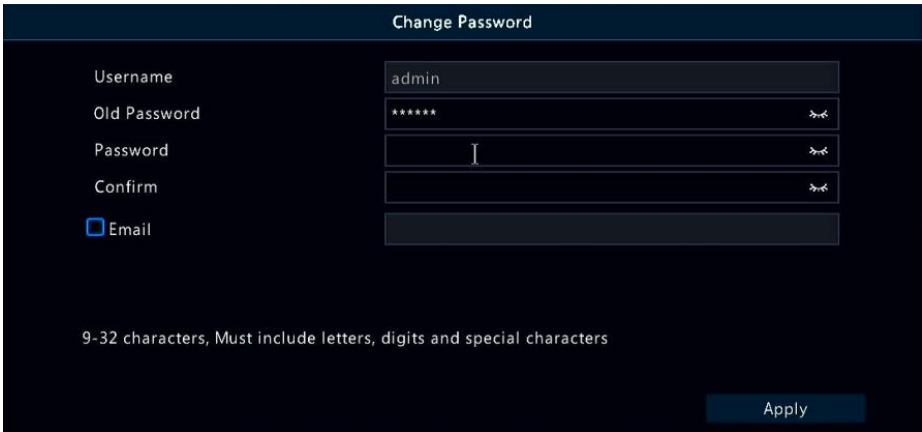


Default Password

Username: admin

Password: 123456

Change a strong password for admin



Change Password

Username: admin

Old Password: *****

Password: |

Confirm: *****

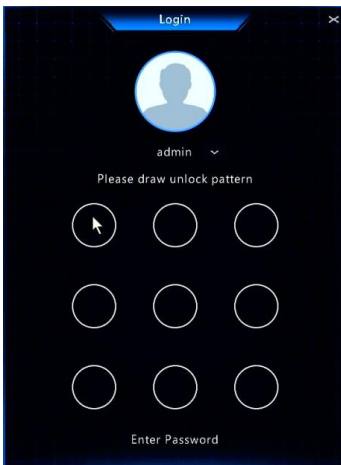
Email

9-32 characters, Must include letters, digits and special characters

Apply

It's high recommended to setup a strong password at least 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

The screenshot shows a wizard interface for time and time zone setup. At the top, a progress bar indicates three steps: 1. Time (highlighted in blue), 2. TCP/IP, and 3. QR Code. The main area contains the following configuration options:

- Time Zone: (UTC-08:00) Pacific Standard Time(Lo) [v]
- Date Format: MM-DD-YYYY [v]
- Time Format: 12-hour [v]
- System Time: 02-11-2025 07:35:00 PM [v]
- DST
- Start Time: Mar [v] 2nd [v] Sun [v] 2 [v] AM [v]
- End Time: Nov [v] 1st [v] Sun [v] 2 [v] AM [v]
- DST Bias: 60 mins [v]

At the bottom, there are three buttons: Previous, Next (highlighted in blue with a mouse cursor), and Exit.

Network configuration

The screenshot shows a wizard interface for network configuration. At the top, a progress bar indicates three steps: 1. Time, 2. TCP/IP (highlighted in blue), and 3. QR Code. The main area contains the following configuration options:

- Select NIC: NIC1 [v]
- Enable DHCP
- IP Address: 192 168 1 30 [v]
- Subnet Mask: 255 255 255 0 [v]
- IP Default Gateway: 192 168 1 1 [v]
- PoE NIC IP Addr.: 172 . 16 . 0 . 1 [v]

At the bottom, there are three buttons: Previous, Next (highlighted in blue with a mouse cursor), and Exit.

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.

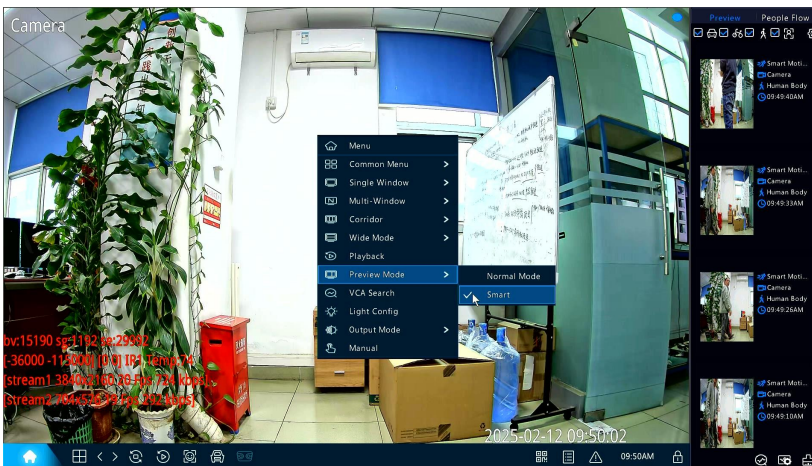
Playback: search video and playback video files.

Shutdown: shutdown or reboot this system

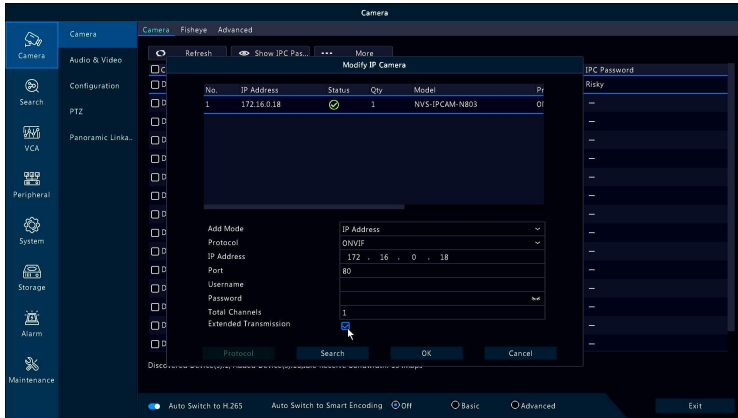
Channel toolbar



Right-click menu



Adding IP camera



Plug-and-Play	<p>Add Mode:</p> <p>Only PoE NVR can support Plug-and-Play</p> <p>No PoE NVR select IP address to add manually</p>
IP Address	
Plug-and-Play	
MyDDNS	
Domain Name	

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:

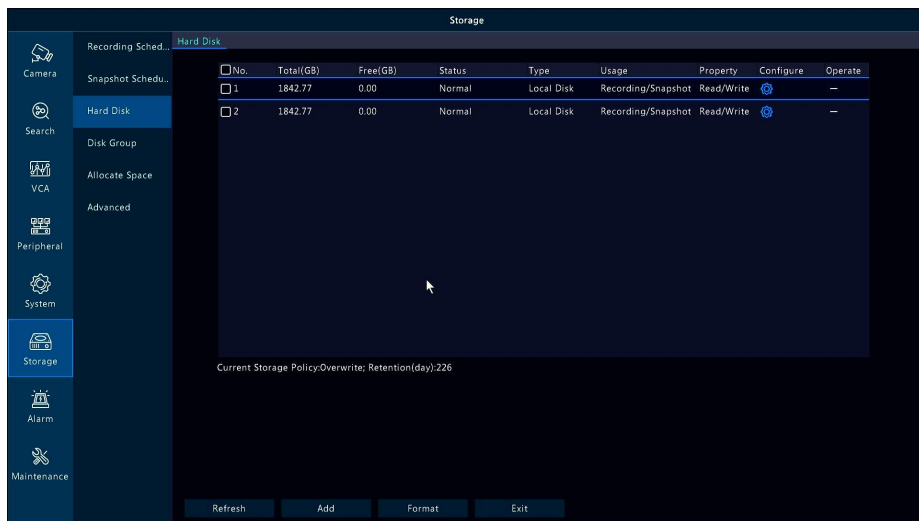
- If the NVR can not recognize your camera, please check the camera IP address configuration using the camera search tool to assign the same IP schema to the cameras. (e.g. NVR:192.168.1.130, IP cameras: 192.168.1.131, 192.168.1.132 ...)
 - If camera is listed on NVR but no video , please double-check 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

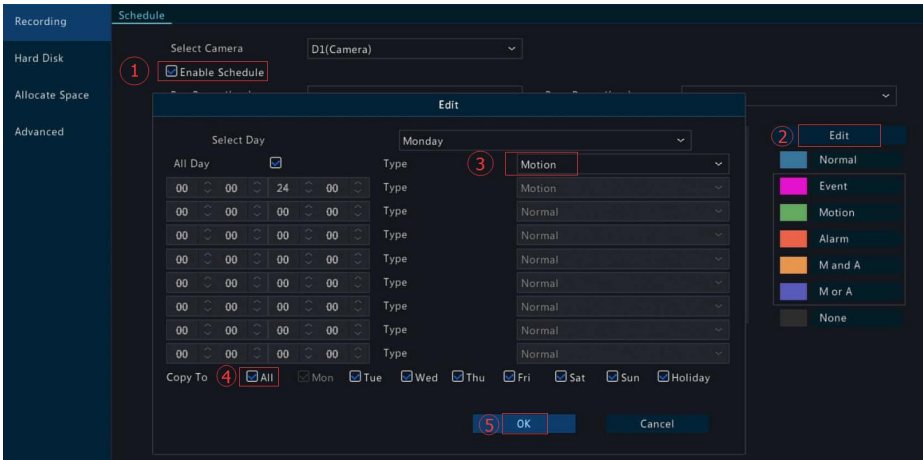
The NVR will start 7*24hrs continuous recording once camera added. This is the most reliable way to store your video/audio in daily use. Motion only recording will extend the recording time before the recordings are over written

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

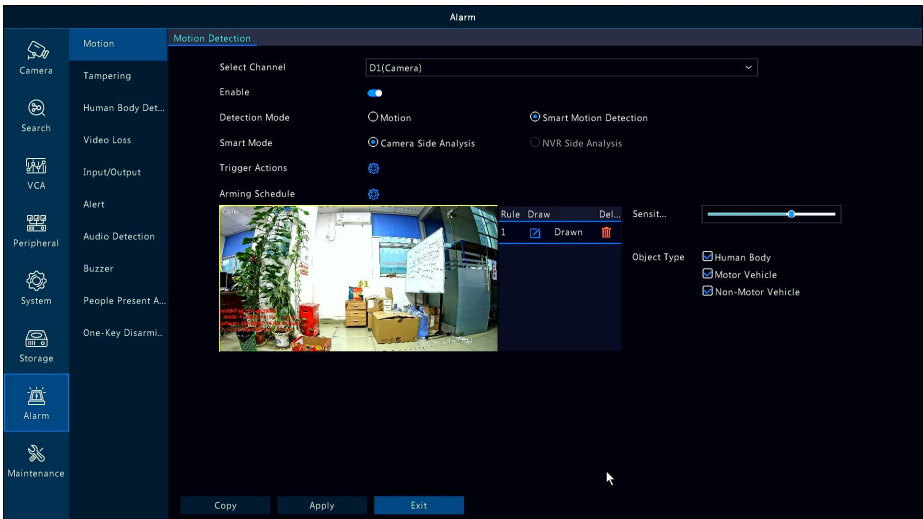
1. Go to **Main Menu -> Storage -> Hard Disk**. Check the HDD status ,make sure it's **Normal** and **Read/Write**.




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.

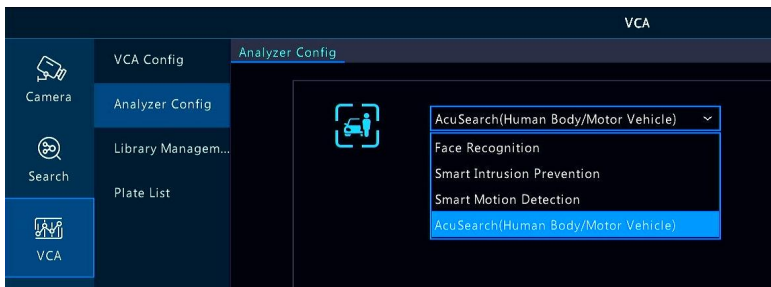
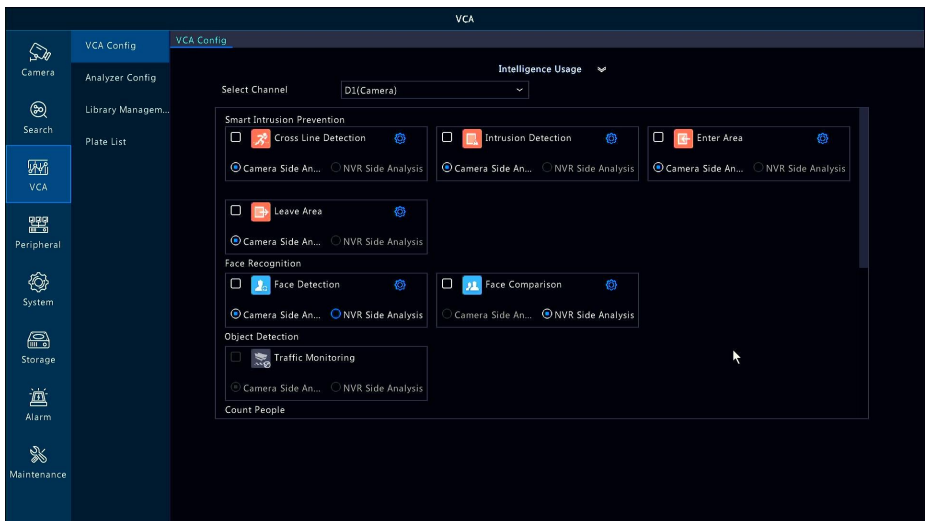
Important:

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.

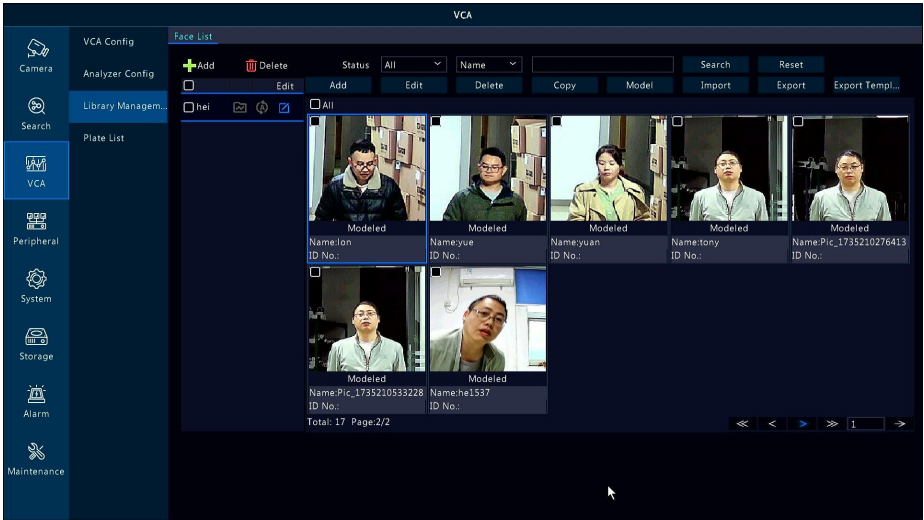
*Intelligent Smart VCA functions

*NVR VCA Capabilities:

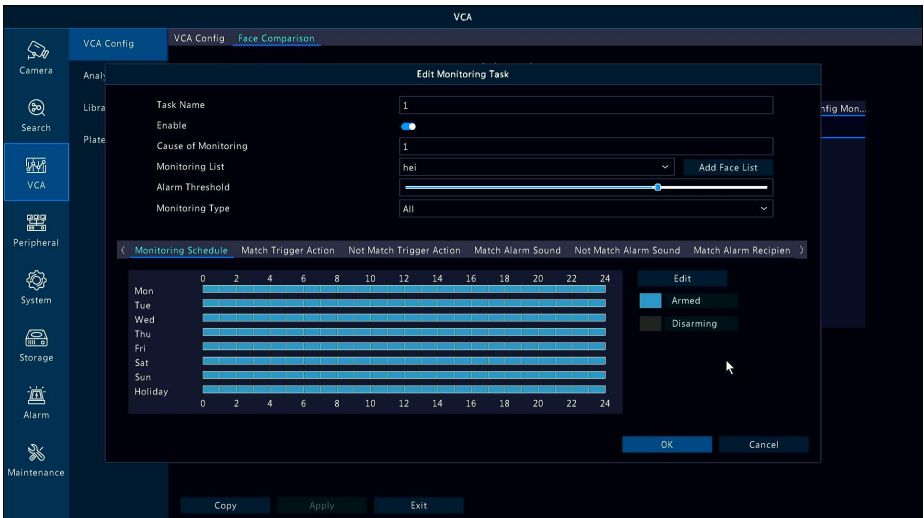
Face Recognition	Face Detection Face Comparison
Perimeter Protection	Cross Line Intrusion Detection Enter Area / Leave Area
Mixed-Traffic Detection	Vehicle Detection Human Body Detection
People Counting	People Flow Counting Crowd Density Monitoring Counting Report
Exception Detection & Statistics	Defocus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



Face library management

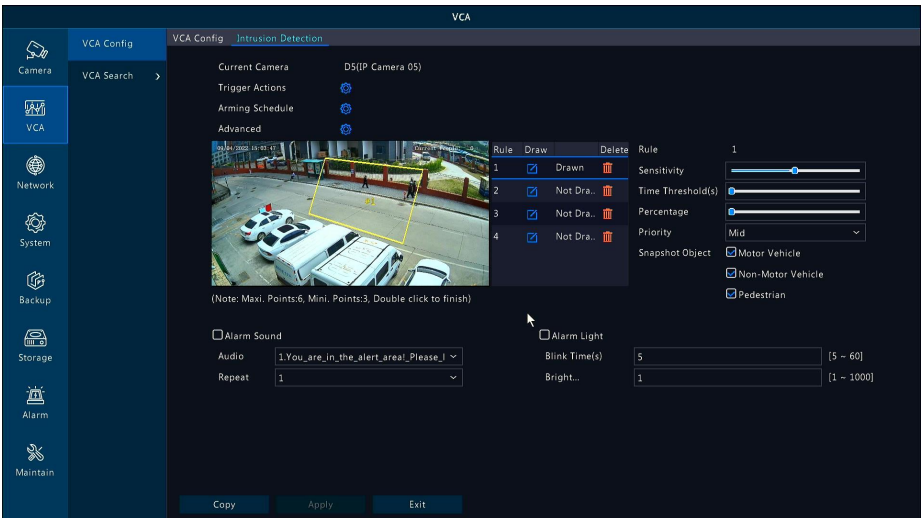


Face comparison





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.

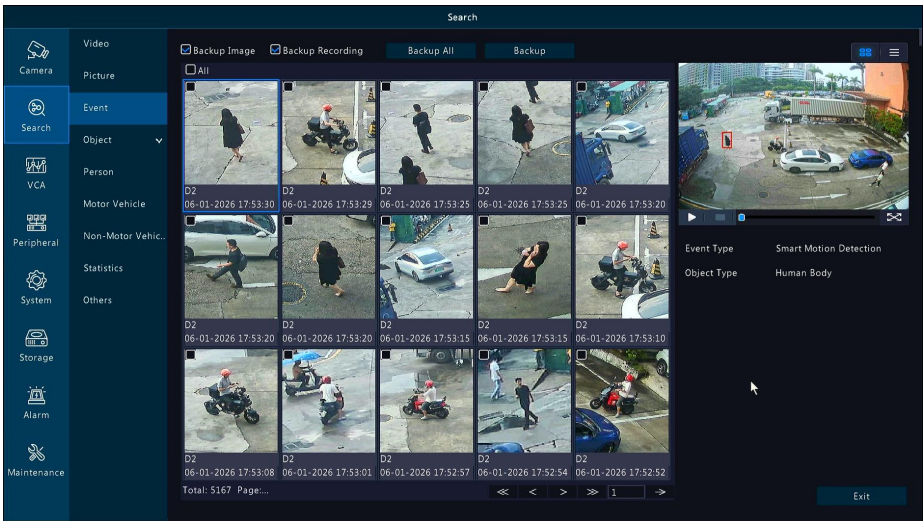


In this interface, cut video, copy to USB, playback USB files, snapshot functions are available.

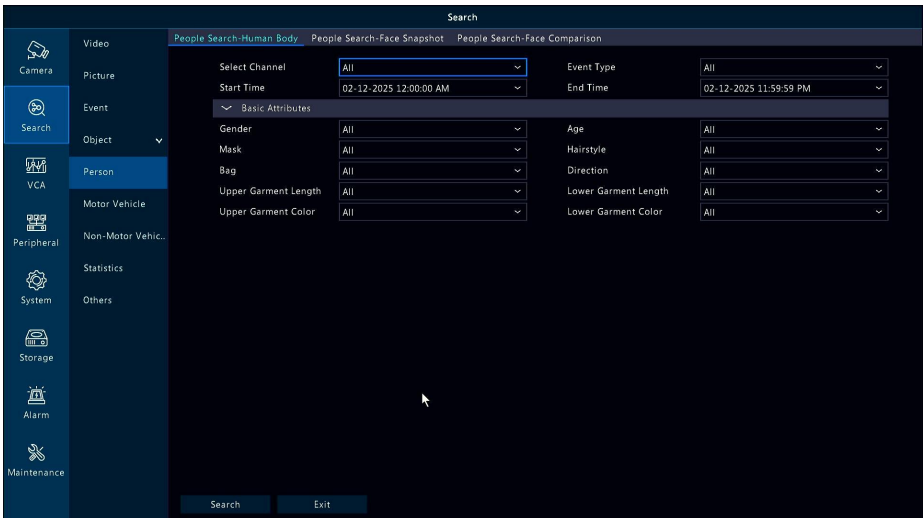
VCA Search

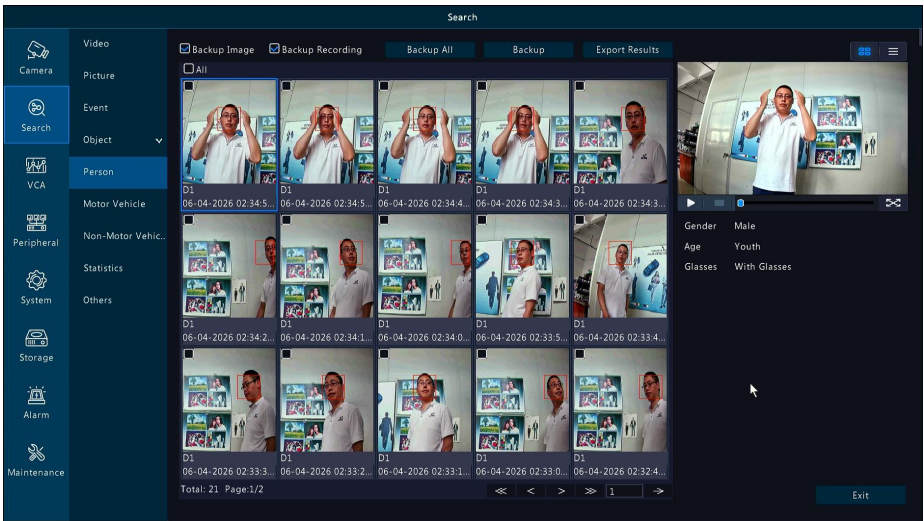
Go to **Start** -> **Menu** or **right-click** menu **Search** to get into the VCA Search page, select event or object to search.

Event Search (All Event)

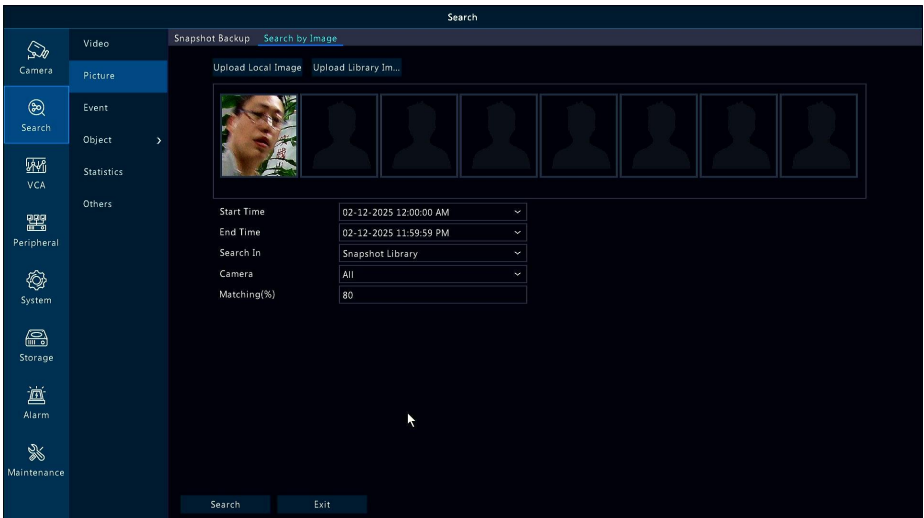


Object Search (Person, Vehicle, non-motor , Human body, Face, Face comparison)

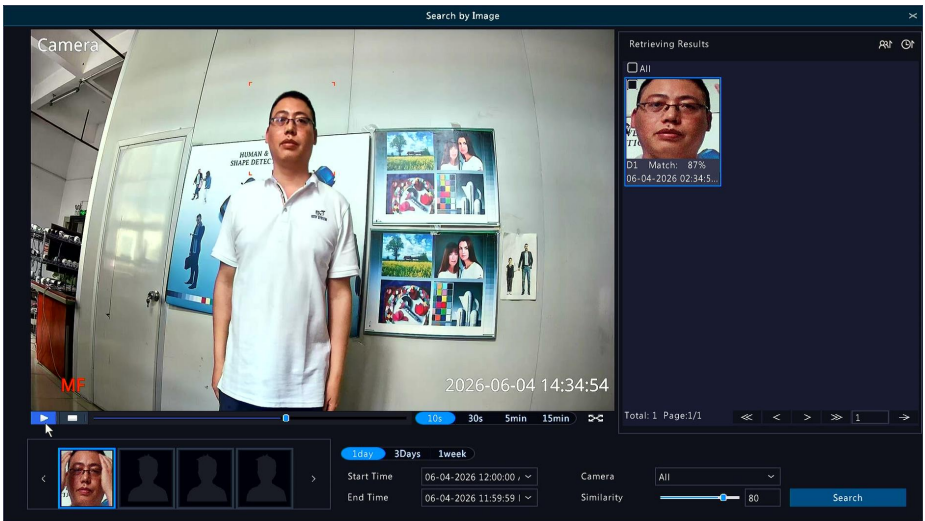




Search by Image



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

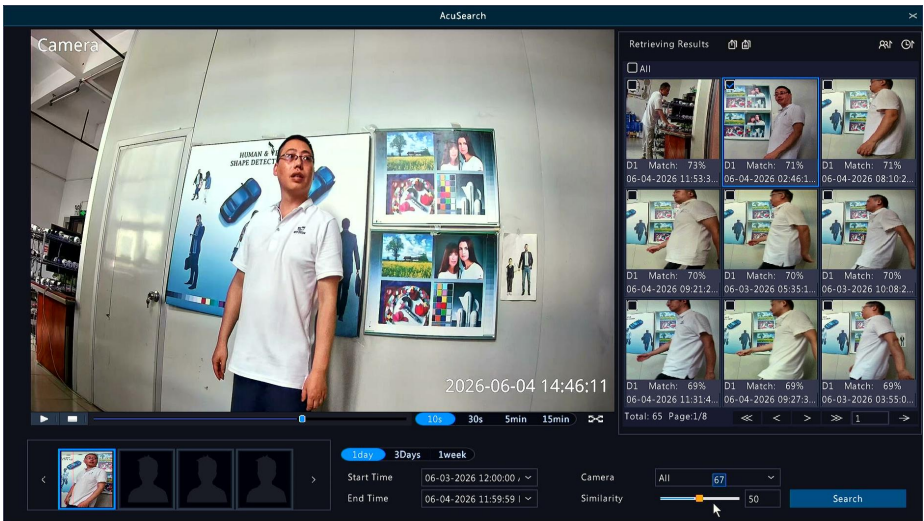
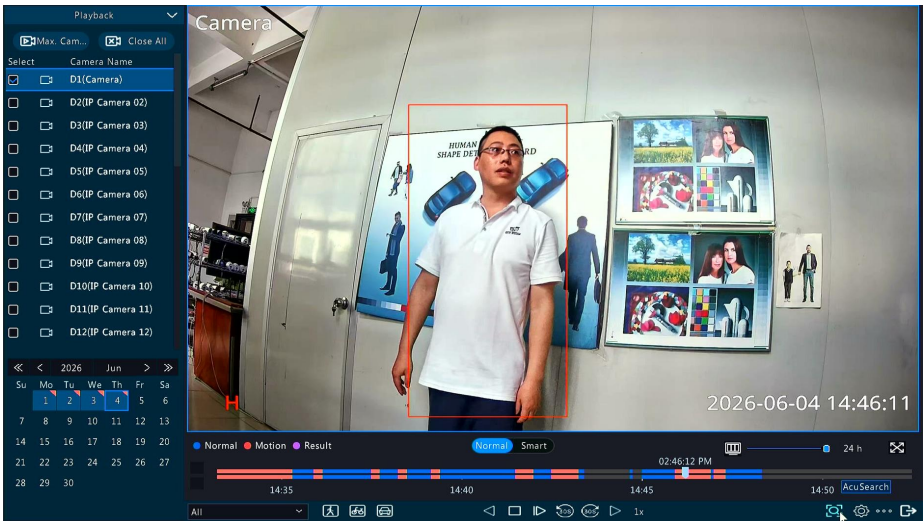


AcuSearch

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.

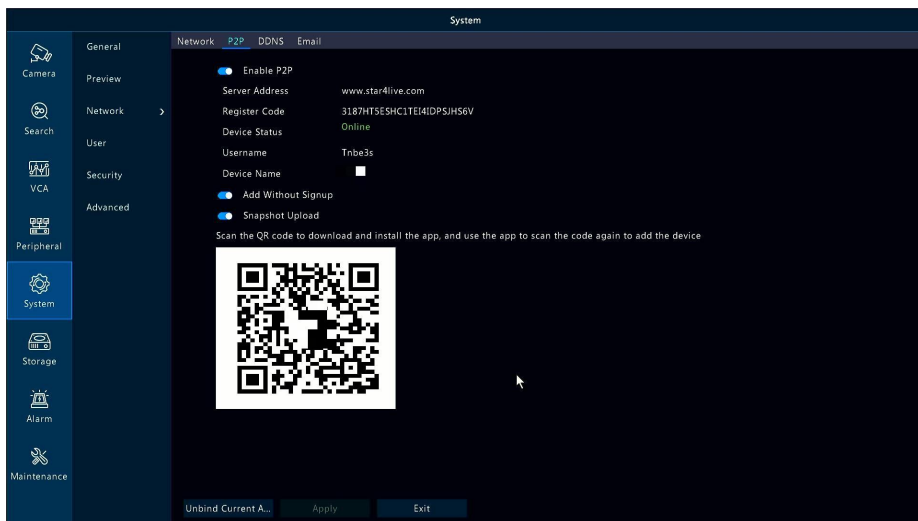
Remote access via mobile phone

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

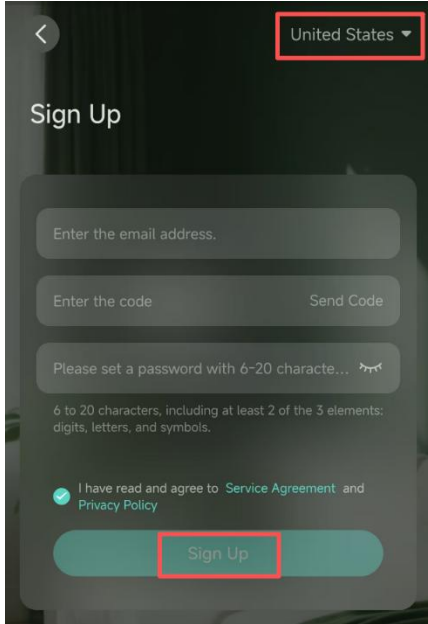
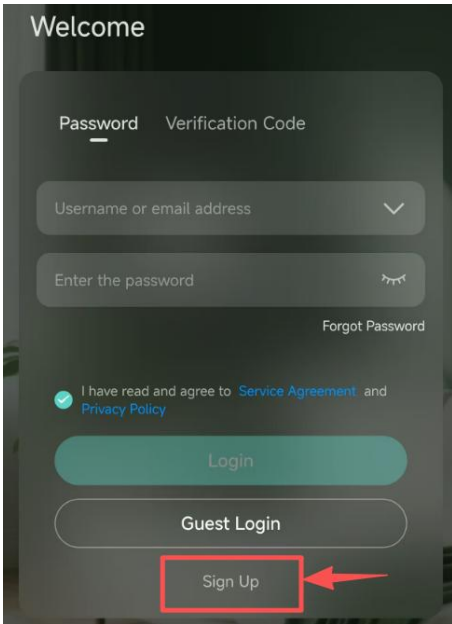
1. Search “**Elink defense**” in Google Play or Apple Store, or scan the QR code to download and install the app.

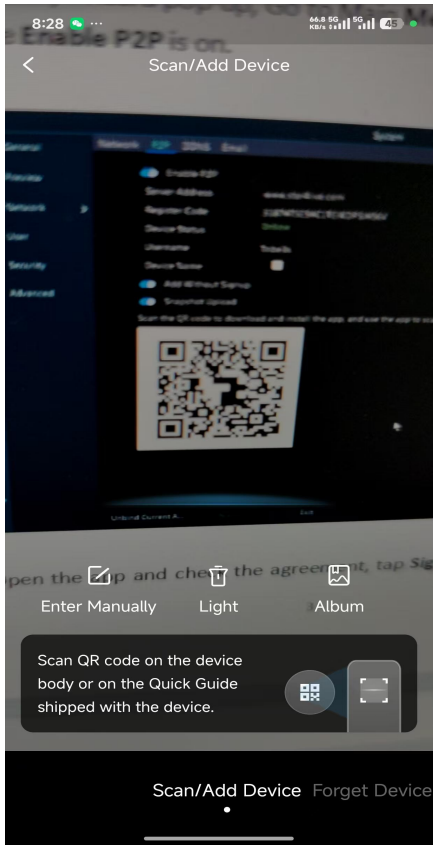
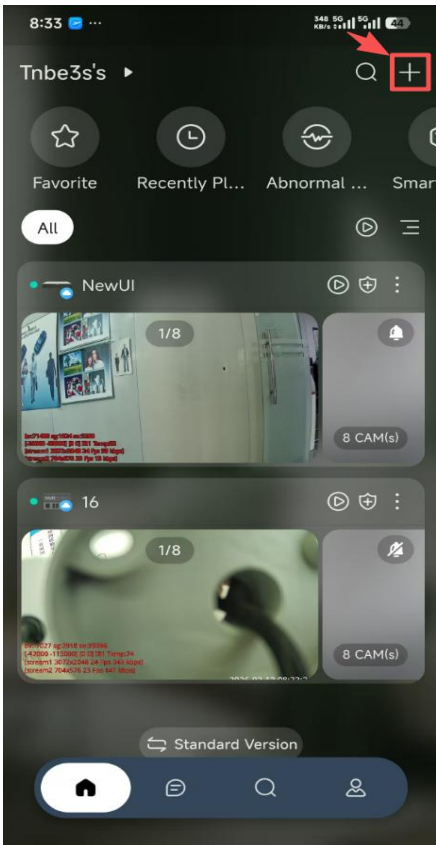


2. Go to Main **Menu** -> **Network** -> **Basic** -> **P2P**, make sure the **Enable P2P** is checked, and the **Device Status** is **Online**.

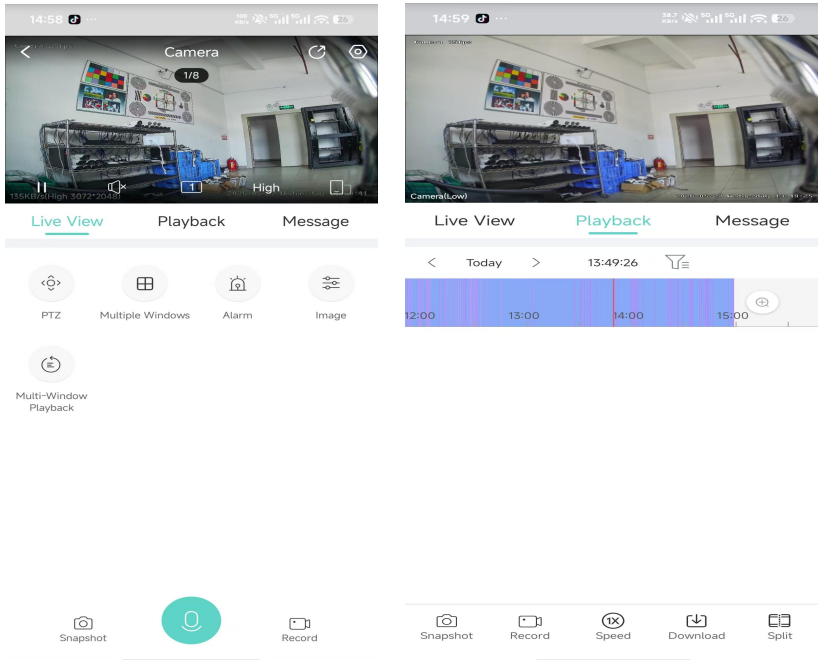


3. Open the app and **Sign Up**, then tap **+ / Add Device** scan the above P2P QR code





4. Live view and playback on mobile phone via app



PTZ: to control high speed dome camera or motorized lens zoom;

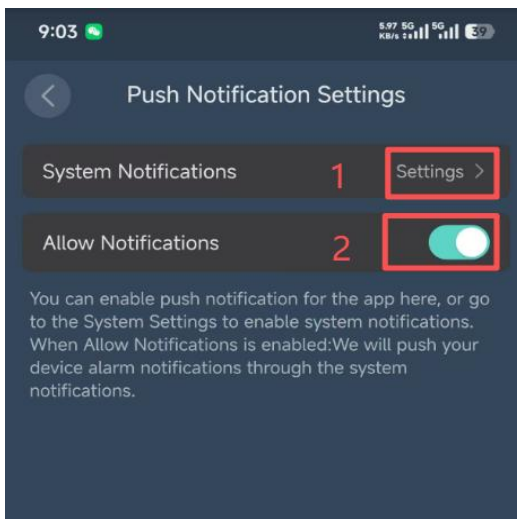
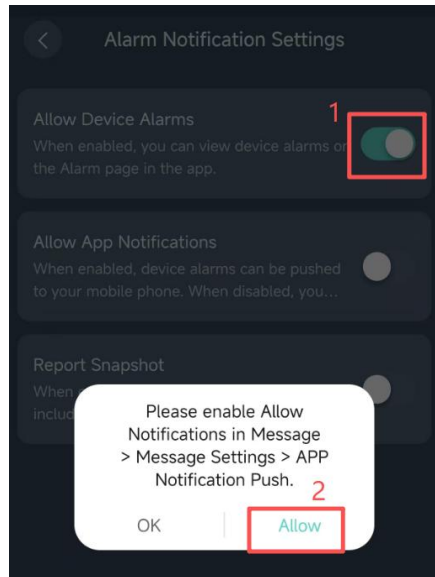
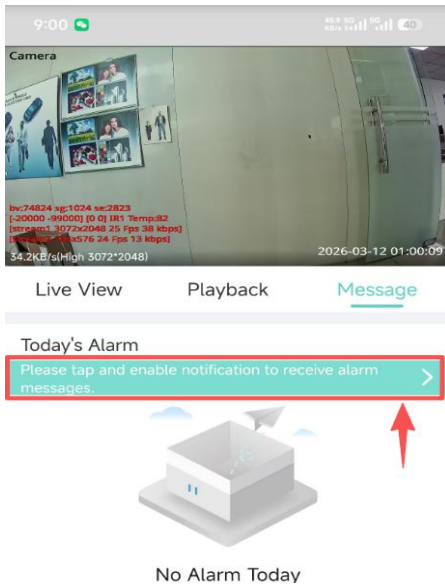
Two-way audio: speak to current camera;

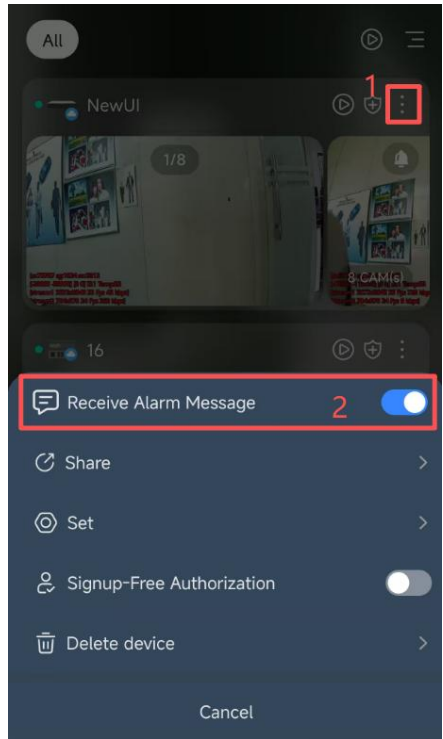
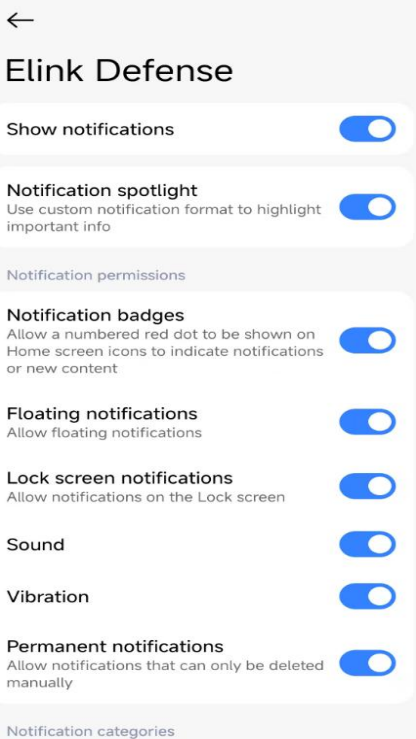
Alarm: trigger relay or red-blue lights;

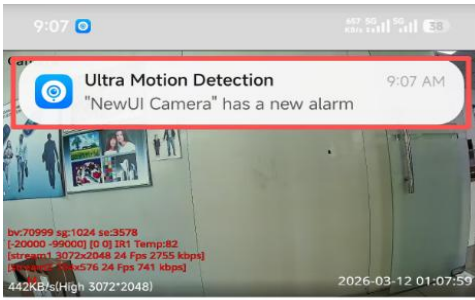
Image adjust: adjust flip, mirror, rotate, brightness, sharpness, DNR ...;

5. Alarm Push Message

To receive **Alarm Message**, firstly tap the **Message** then tap the aquamarine notice bar goto **Alarm Notification Settings** when pop-up. Follow the steps to enable alarm notification.











Live View Playback Message

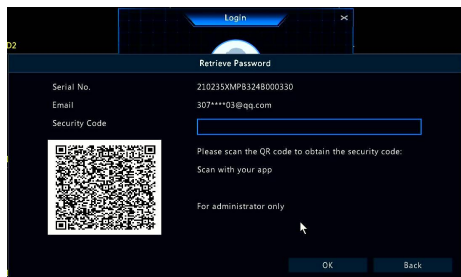
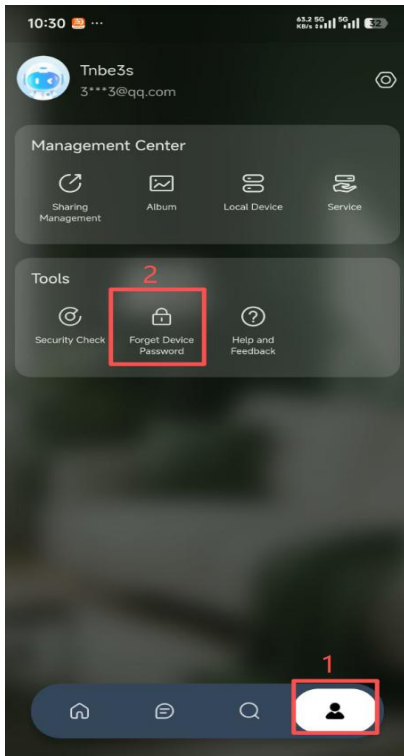
Today's Alarm

- 01:06:36 (UTC-00:00)
Ultra Motion Detection
- 01:03:51 (UTC-00:00)
Ultra Motion Detection
- 01:02:48 (UTC-00:00)
Ultra Motion Detection
- 00:57:48 (UTC-00:00)
Ultra Motion Detection 
- 00:54:06 (UTC-00:00)
Ultra Motion Detection 
- 00:53:04 (UTC-00:00)
Ultra Motion Detection 
- 00:50:57 (UTC-00:00)
Ultra Motion Detection 

Event Push

When event happen the message will push to lock-screen and app Message list.

6. Reset NVR password by app



1. Goto **Me** -> **Tools** -> **Forget Device Password**
2. click **Forget password** in login screen
3. scan the QR Code
4. the password reset code will send to the email address you set before
5. Input the received 8 bits security code to change an new password

You can share device, update NVR/Camera firmware or do more NVR/Camera settings in app. Once the NVR is added to the app account , the first account will become the owner and other users can not add until you share it manually.

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.

Important:

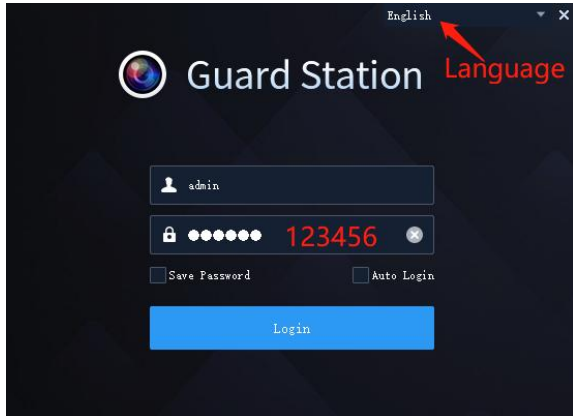
- Once the NVR is added to the app account , the first account will become the owner and other users can not add the NVR to there app until you share it manually.
-

Remote access NVR via PC client software

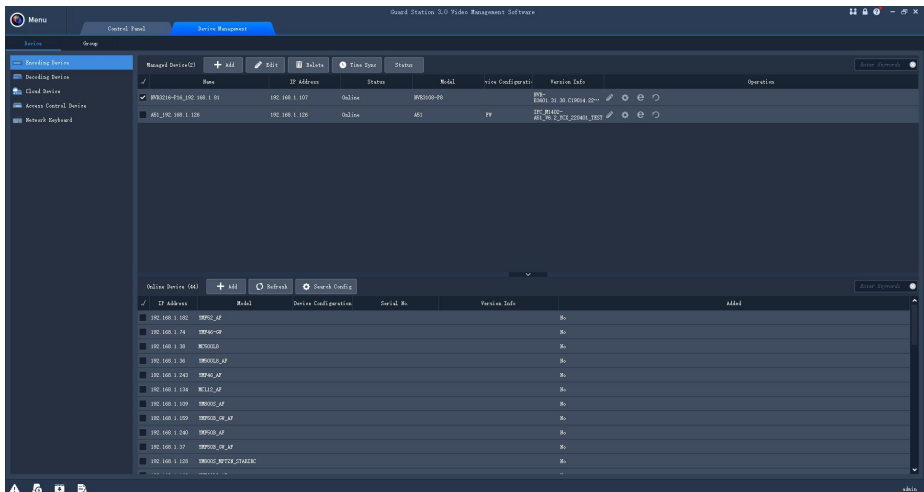
1. For Windows PC please download the software **GuardStation_for_windows.exe** and install it as administrator.
2. For Apple mac please download the software **GuardStation_for_mac.pkg**.
3. Login with default username and password (*admin 123456*)



Guard Station 3.0



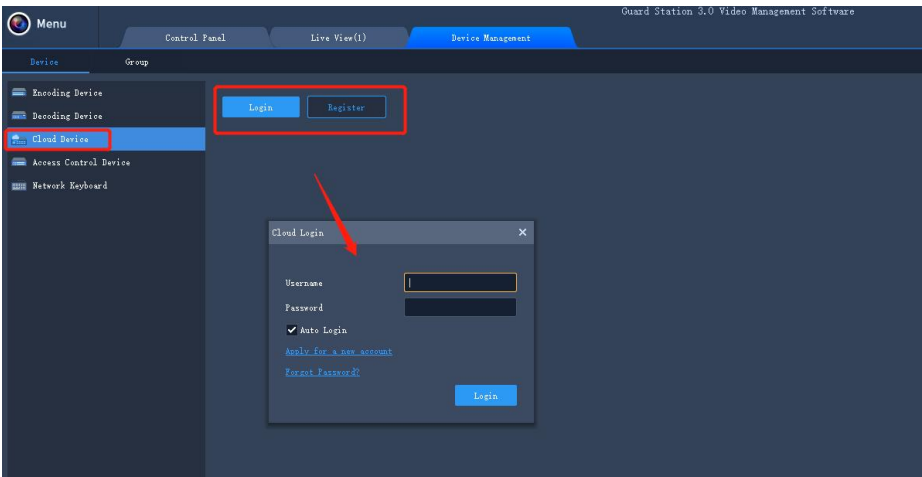
4. Goto **Device Management** to add devices.



(Default user name: admin, Password: 123456)

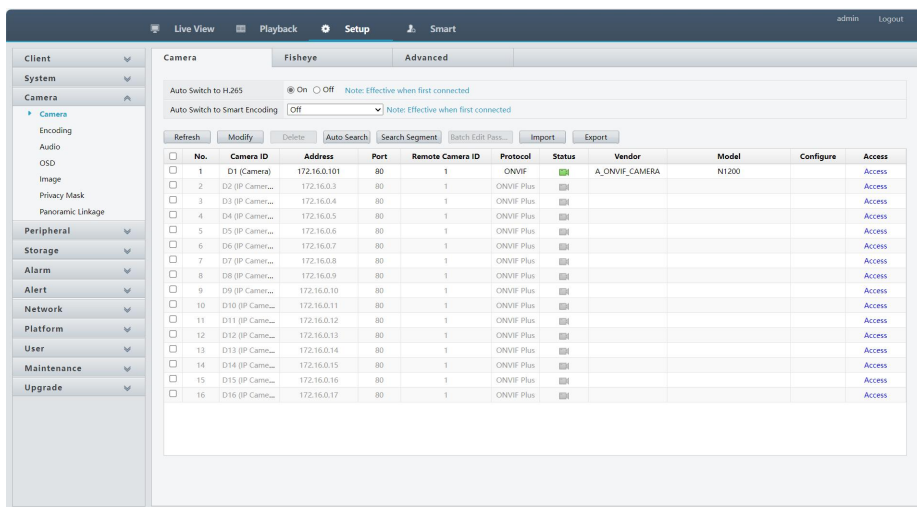
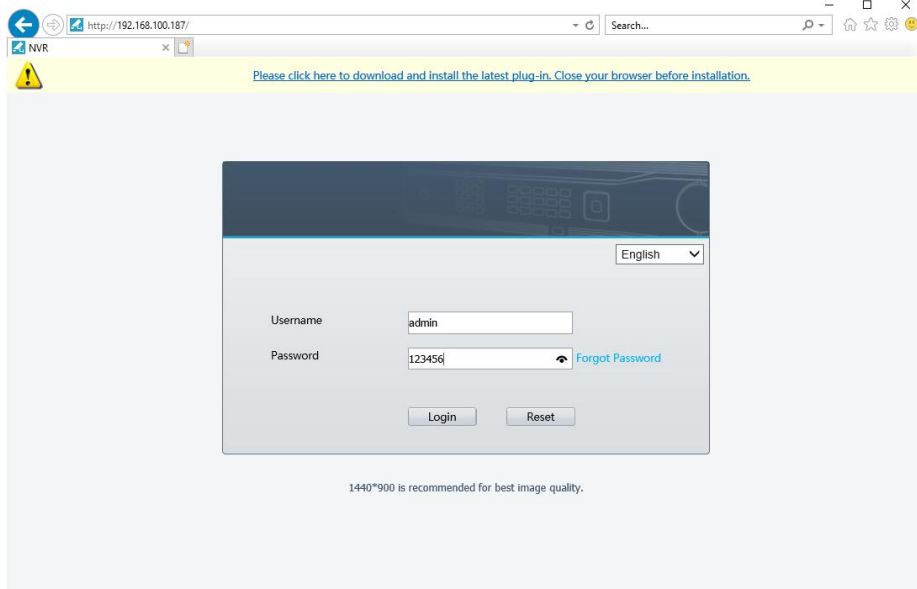


If you want remote access to NVR via this PC client software anywhere you should register an account to bind you NVR. The fast way is register via mobile app **Guard Viewer**, then login on PC.

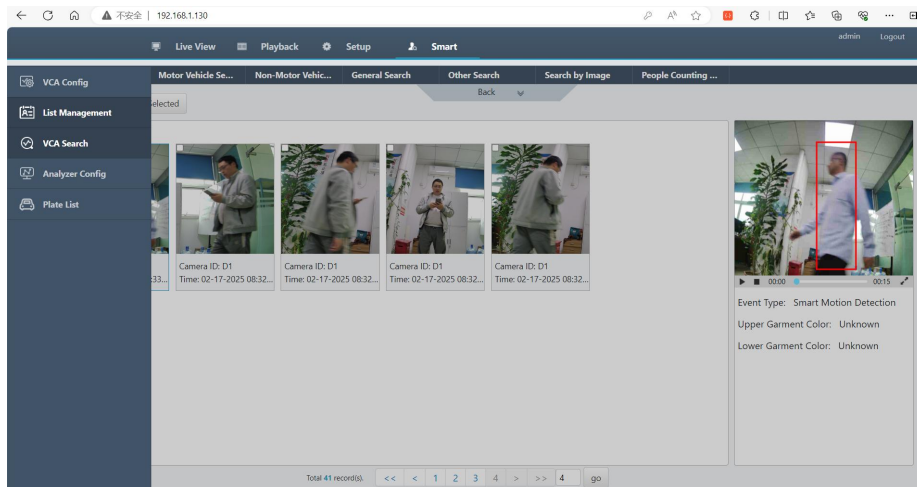


Remote view NVR via web browser

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 to the web interface

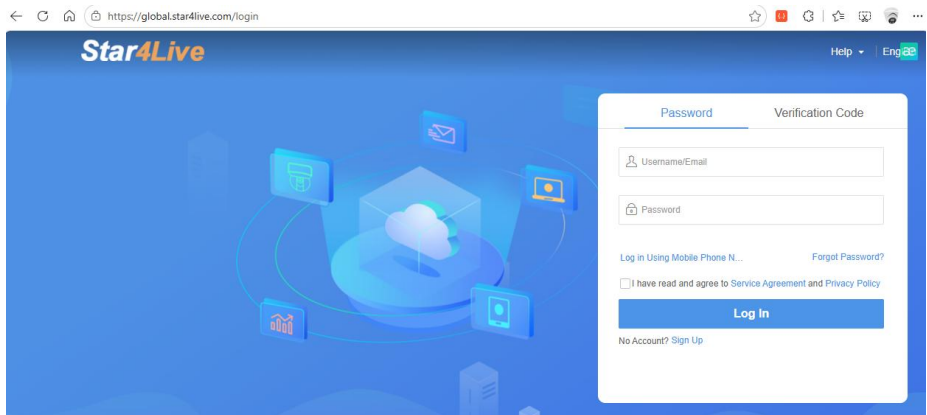


Click “Access” can jump to camera web page.

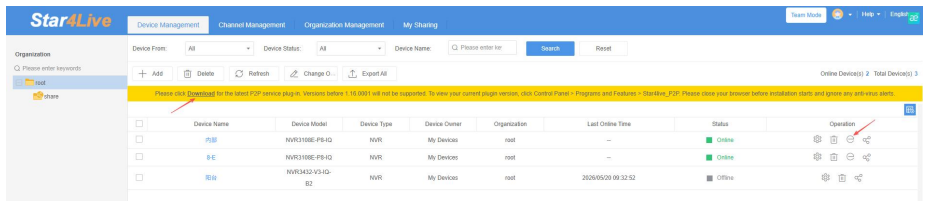


Almost all functions can be operated via NVR Web page .

For Internet remote cloud access
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)



Install the web plugin and click “e” to redirect to NVR web interface for remote view.

System update (NVR and 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)

