ANVR AI Series

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 an 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.

Contents

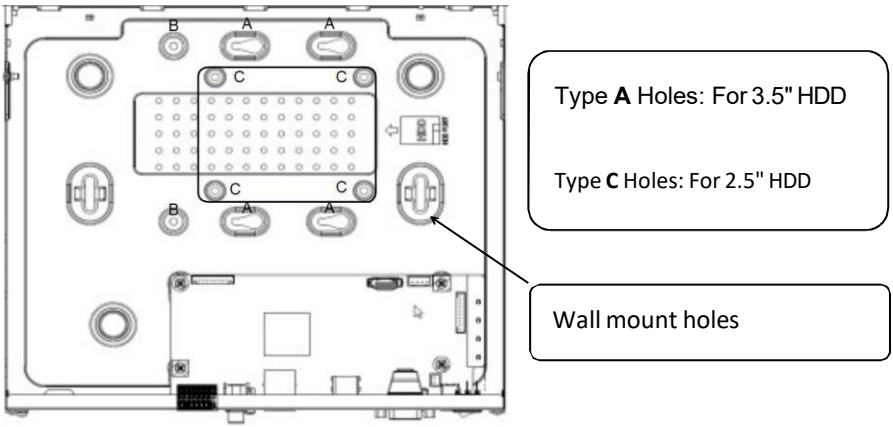
Important Safety Instructions 1
FCC statements 1
LVD/EMC Directive 1
WEEE Directive–2012/19/EU 1
Battery Directive-2013/56/EC 1
Hard Drive installation 4
    Installing steps 4
Product panel View 6
System Connection Diagram 7
    A) Product built-in PoE switch 7
    B) Product without PoE switch 7
Power on and setup NVR following Wizard 8
    Select your familiar language 8
    Login with default admin account 8
    Change a strong password for admin 9
    Set a pattern for unlocking the NVR more friendly 9
    Time and time zone setup 10
    Network configuration 10
    Remote Access via Smart Phone App 11
    Start-up task bar 12
    Channel toolbar 12
    Right-click menu 12
    Adding IP camera 13
    Adding PoE Camera to NVR by plugging into ANVR PoE Port 13
    Adding camera to No PoE ANVR 13
Setup Recording Mode 15
*Intelligent Smart VCA functions 18
    *NVR VCA Capabilities 18
    Face library management 19

Face comparison 19
Intrusion Detection 20
General video playback 21
VCA Search 21
Event Search (All Event) 22
Object Search (Person, Vehicle, Non-motor, Human body, Face, Face comparison) 22
Search by Image 23
AcuSearch 24
Live preview AcuSearch 24
Playback AcuSearch 24
Remote access via mobile phone 26
Remote view ANVR via Internet Browser 31
System update (including camera) 34
Admin Password Reset 35

Hard Drive installation

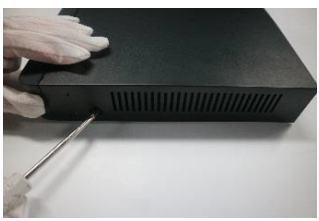
There is no Hard drive built into the NVR product in general selling. To store your media data, you must buy at least one 3.5 inch or 2.5-inch Hard Drive and install it by yourself.

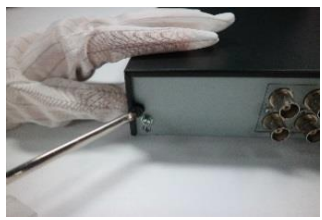
An example for hard drive screws holes diagram:



Installing steps:

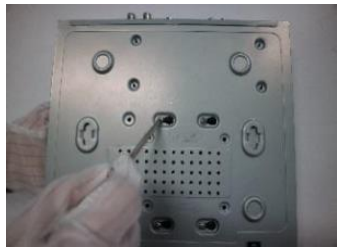
Important: Unplug the power cord from the power outlet before installation.



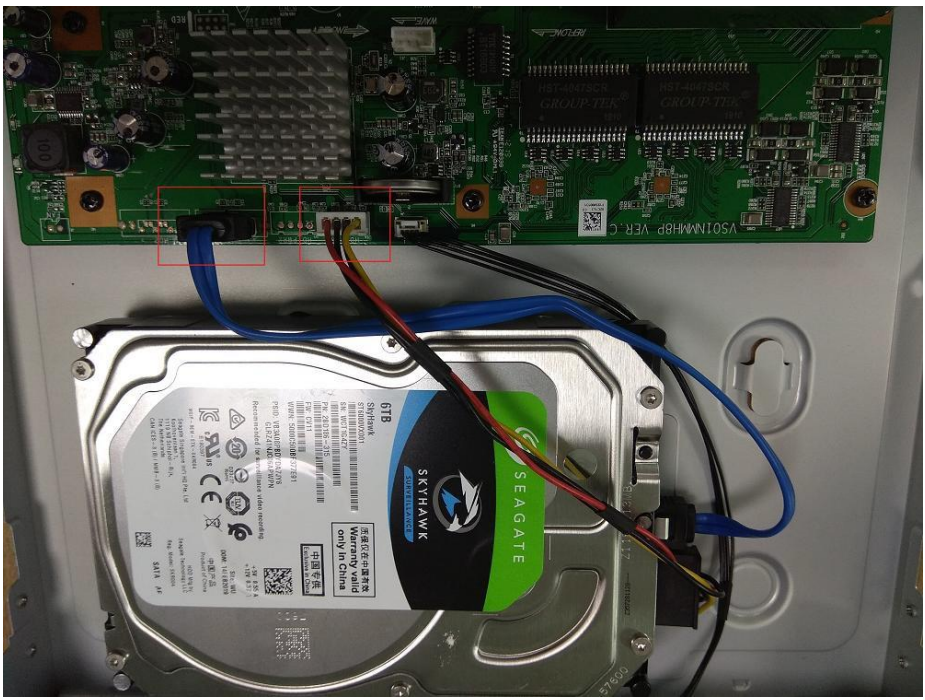


1. Loosen screws on the rear panel and both sides. Remove the cover.

2. Tighten the 4 screws through the hard drive screws holes, connect the data and power cables



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

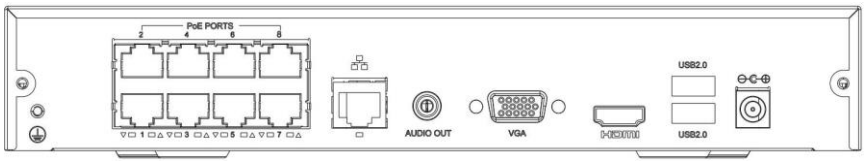


4. Connect the HDD data and power plug to recorder mainboard.

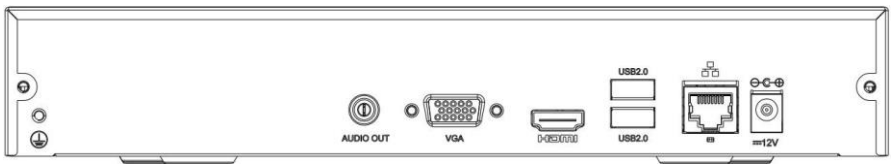
5. Put the cover back and tighten all the cover screws.

Product panel View

- Rear Panel built-in PoE switch, ANVRPOE series, back panel can differ per model.



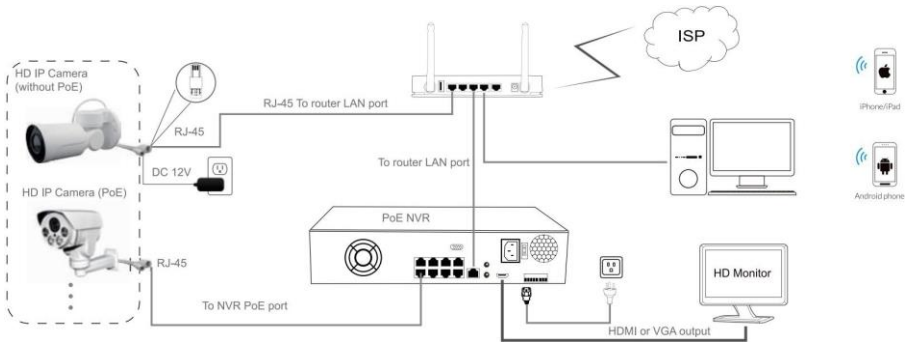
- Rear Panel without PoE switch, ANVR Non PoE back panel can differ per model.



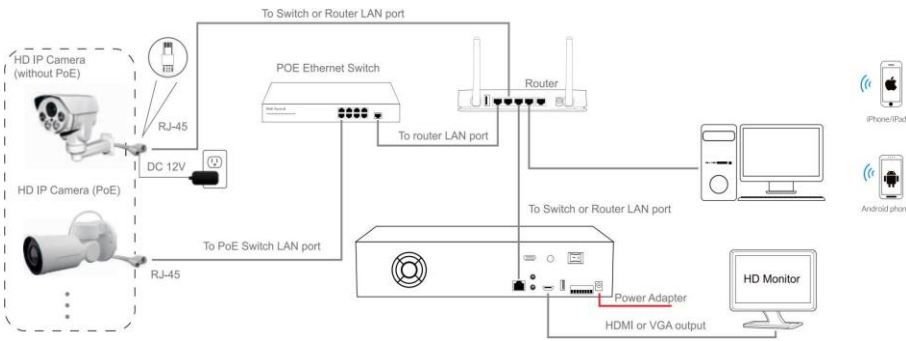
Notice: Pictures are for reference only. The actual NVR may vary in appearance.

System Connection Diagram

A) Product built-in PoE switch



B) Product without PoE switch



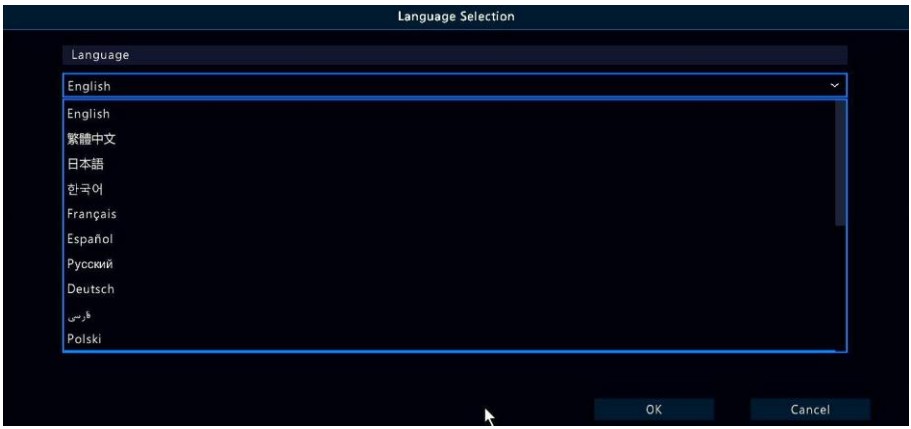
Important:

- 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.

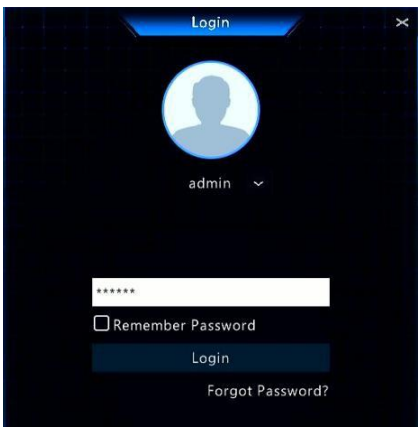
Power on and Setup NVR following the Wizard

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

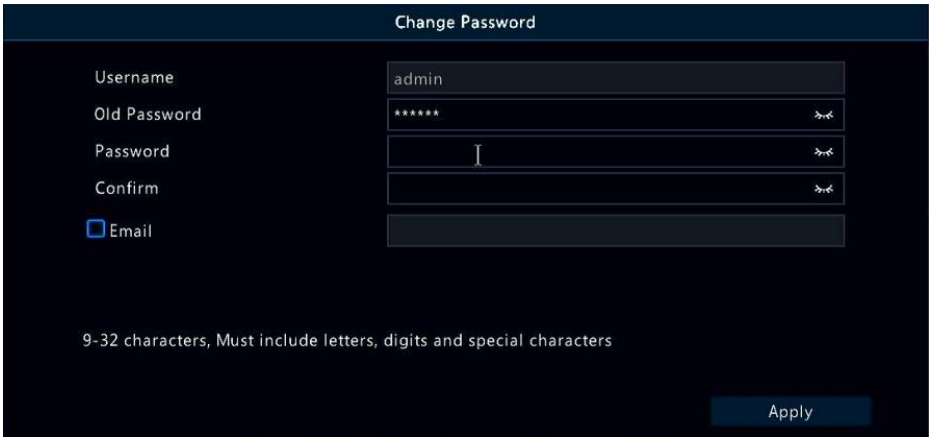


Default Password

Username: admin

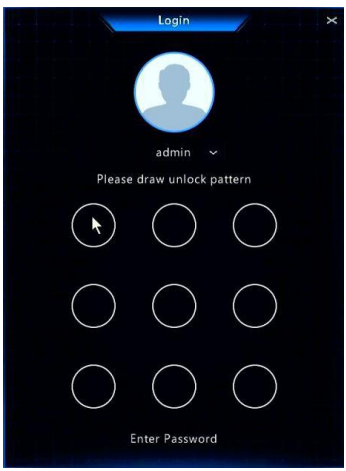
Password: 123456

Change to a strong password for admin



It's highly recommended to setup a strong password with at least 8 characters that contain 3 kinds of characters above included in letters, digits, and special characters. (except / \: * ? ‘ “ < > | %)

Set a pattern for unlocking the NVR in a more user-friendly way



You can **Skip** if you do not want to use the unlock pattern feature.

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.

The new app for the ANVR AI series is called Elink Defense, if you already have an older ANVR non-AI series setup using the Guard Viewer app then you can also keep using that one and add the NVR to that app and skip the app download section as shown above for Elink Defense.

Start-up task bar

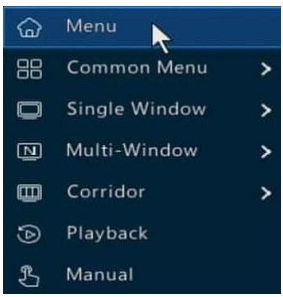
Menu: go to settings menu.

Playback: search video and playback video files.

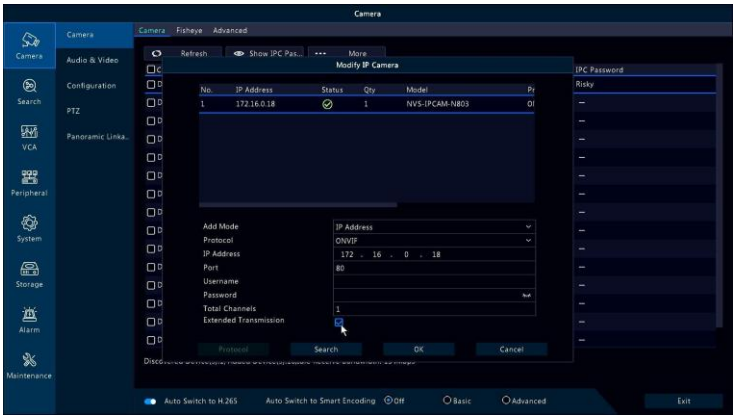
Shutdown: shutdown or reboot this system

Channel toolbar

Right-click menu



Adding IP camera



Add Mode:

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

No PoE ANVR select IP address to add manually

Adding PoE Camera to NVR by plugging into ANVR 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 live video in 1-2 minutes automatically. (**Plug-and-Play**)

Adding camera to No PoE ANVR

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 ANVR LAN Port to the same network switch with cameras.
5. Go to ANVR **Menu** -> **Camera** -> **Refresh**, search and add camera manually.

Important:

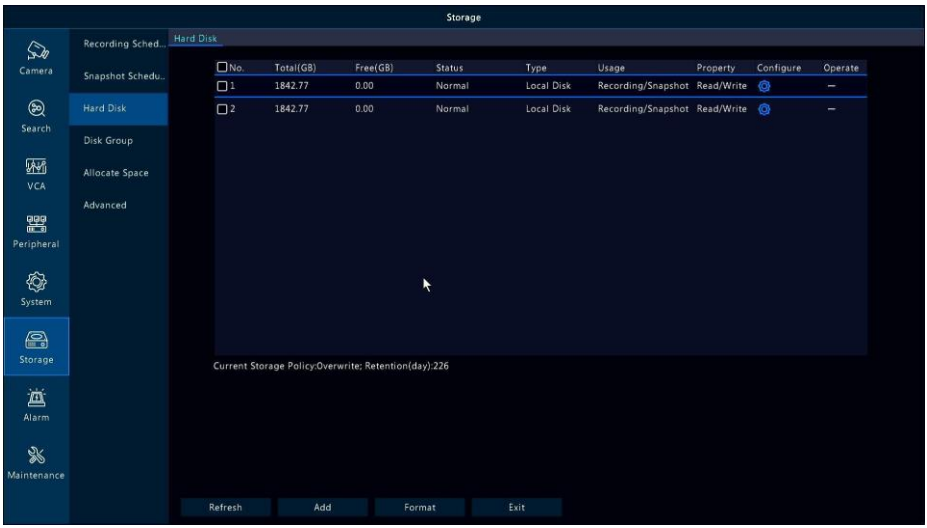
- If the NVR cannot recognize your camera, please check the camera IP address configuration using the camera search tool to assign the same IP schema to the cameras. (e.g. NVR:192.168.1.130, IP cameras: 192.168.1.131, 192.168.1.132 …)
- If camera is listed on NVR but no video is displayed, then please double-check the password when adding.
- The ANVRPOE with PoE Ports has a built-in DHCP server, enable the 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 in PoE Switch part may help some when running a cable over 100 meters. (switch port to 10mbps)

Setup Recording Mode

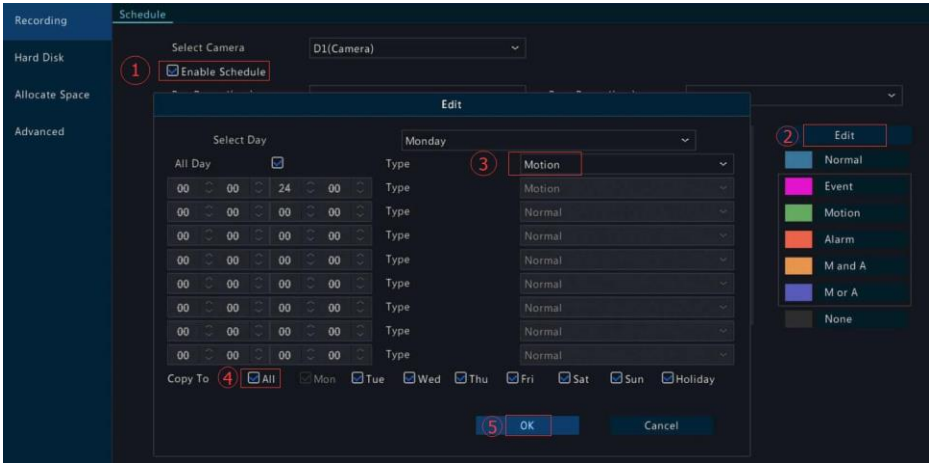
The NVR will start 7*24hrs continuous recording once a camera is added. This is the most reliable way to store your video/audio in daily use. Motion only recording will extend the recording time before the recordings are overwritten

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

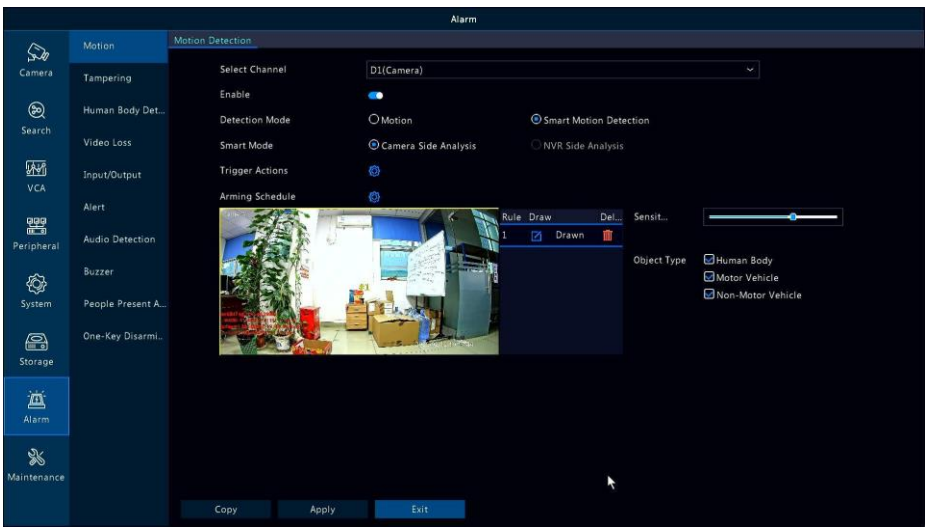
1. Go to **Main Menu** -> **Storage** -> **Hard Disk**. Check the HDD status, make sure it's **Normal** and **Read/Write**.



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.

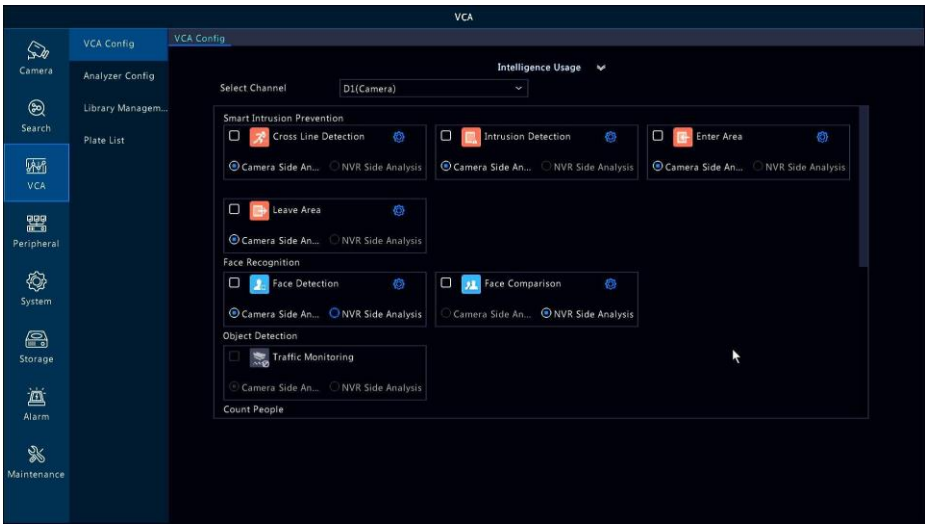
Important:

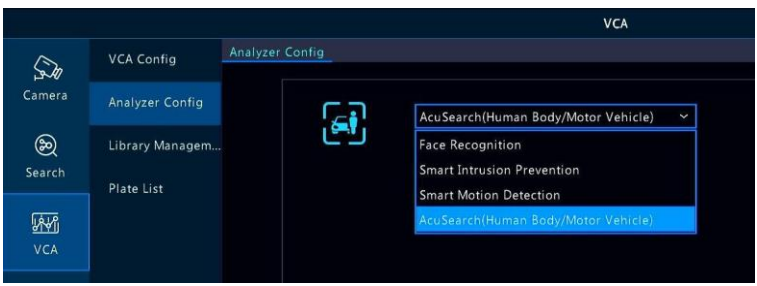
Some third-party cameras cannot enable motion detection function via ANVR menu directly, you should access camera web interface to enable Motion Detection. Then change detection mode to normal motion in ANVR menu.

***Intelligent Smart VCA functions**

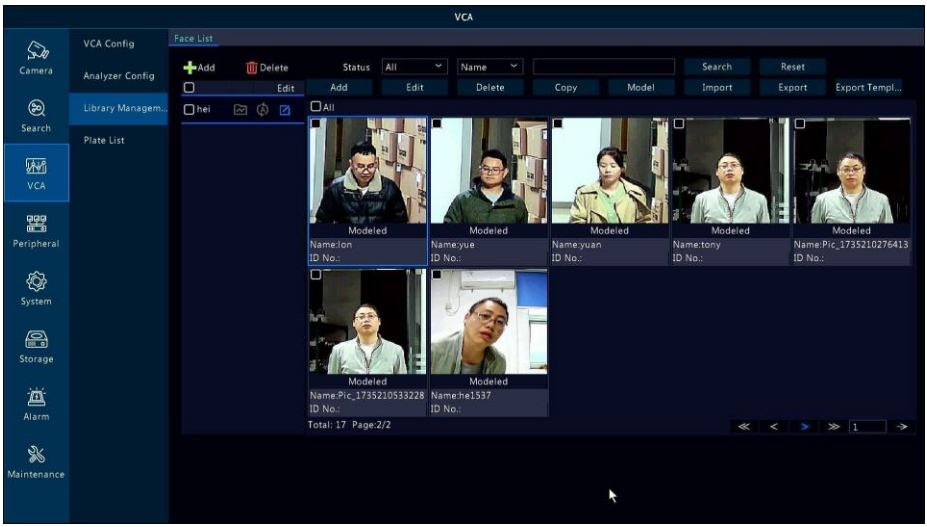
***NVR VCA Capabilities: (Function depends on if supported by Camera)**

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

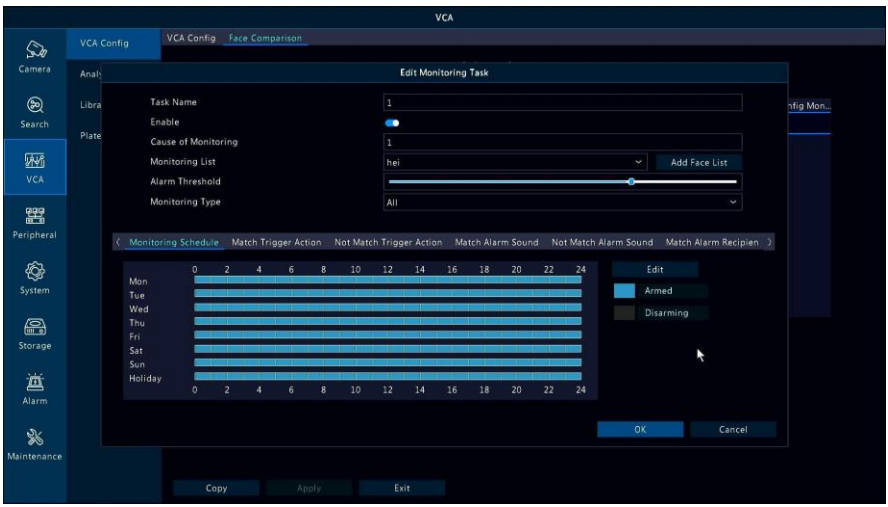




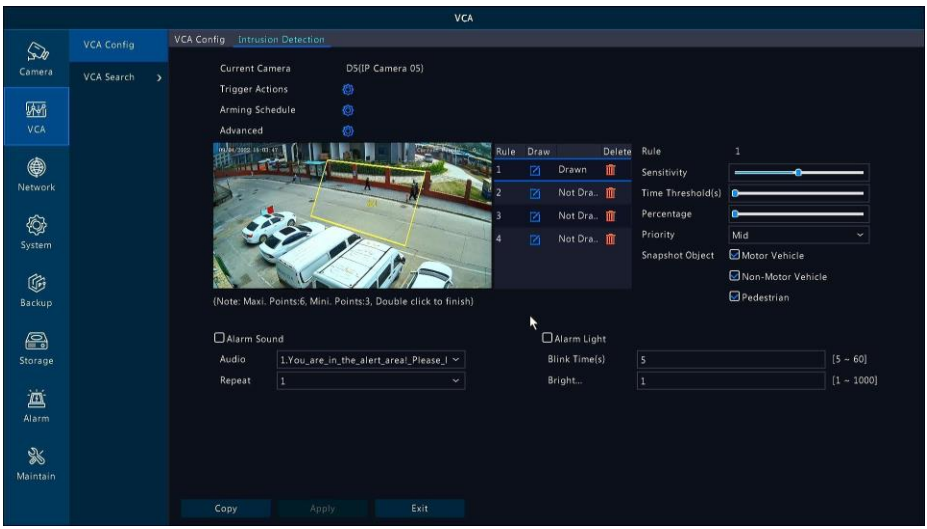
Face library management



Face comparison



Intrusion Detection



***Note:**

Different camera models may have different functions; the pictures above are for reference only.

General video playback

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

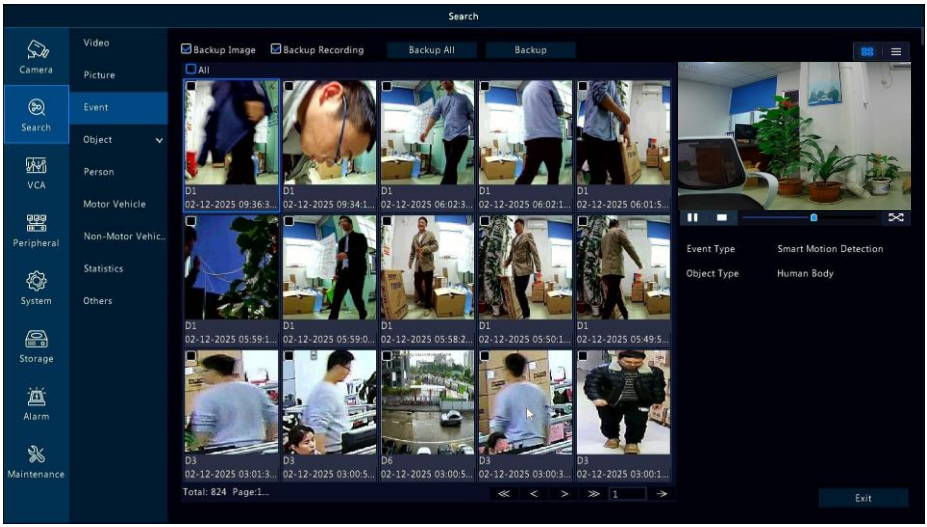
Select the desired date and camera then click the timeline to start playback.

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

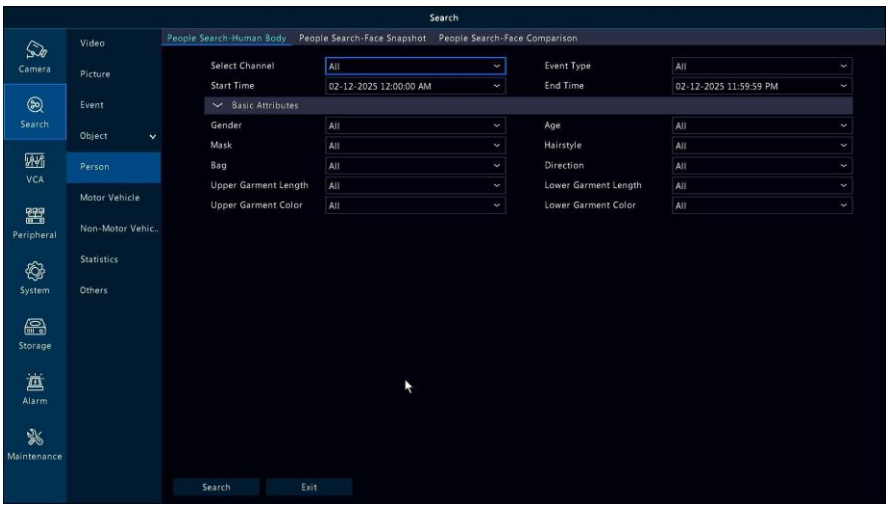
VCA Search

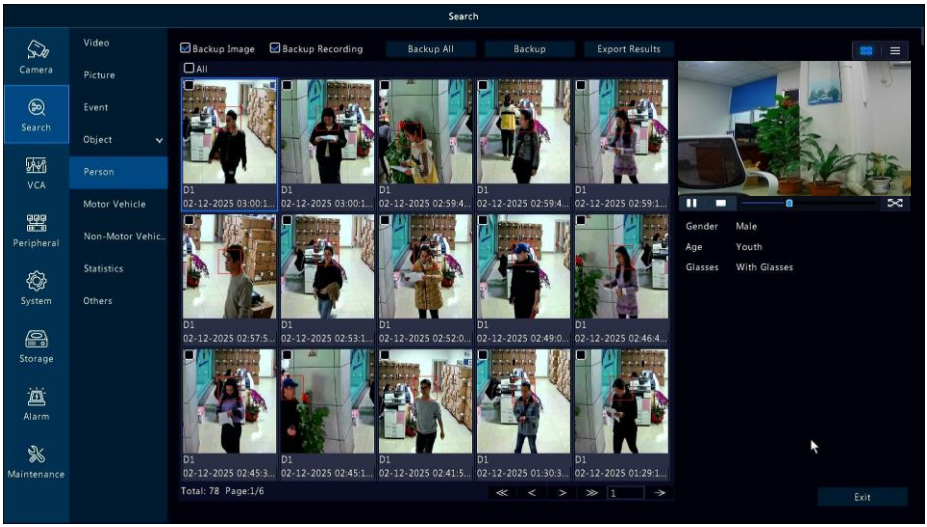
Go to **Start** -> **Menu** or **right-click** menu **Search** to get into the VCA Search page, select event or object to search.

Event Search (All Event)

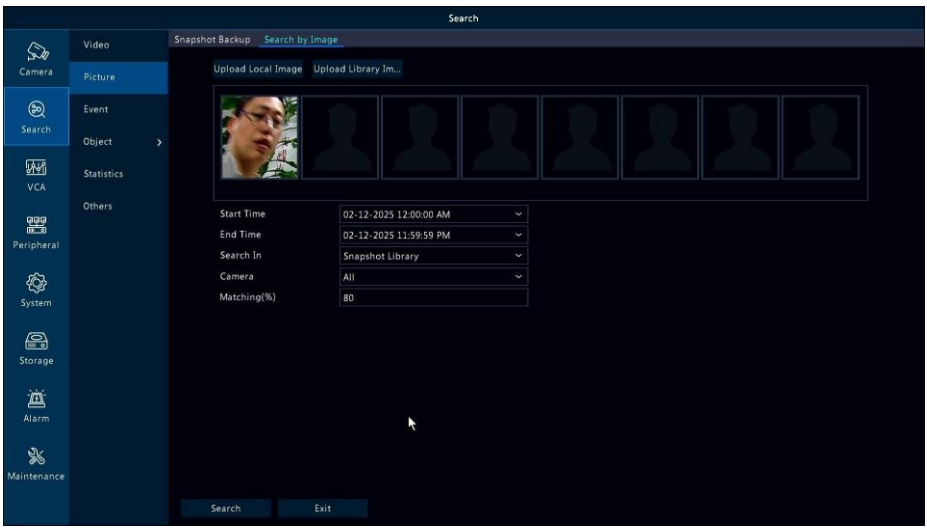


Object Search (Person, Vehicle, non-motor, Human body, Face, Face comparison)





Search by Image



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

AcuSearch

Live preview AcuSearch

Playback AcuSearch

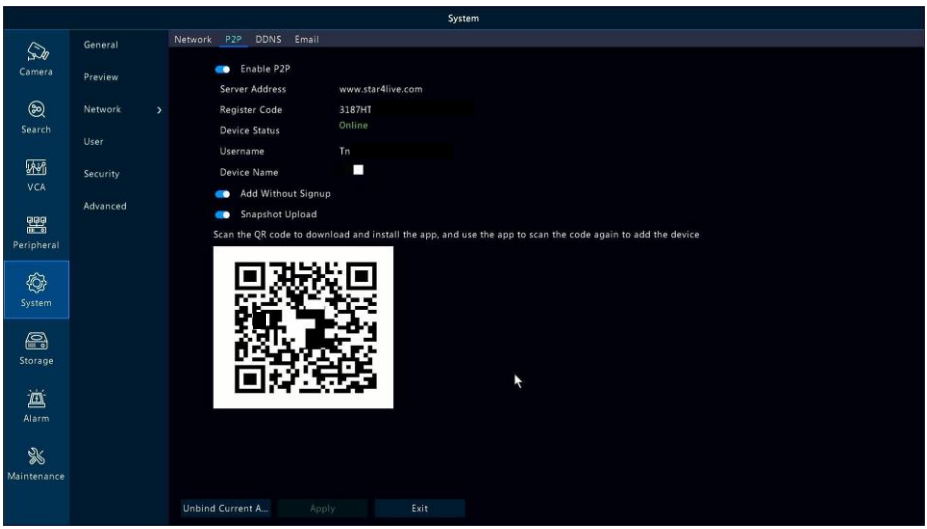
AcuSearch function can quickly search the hard drive video clips via target Human body or Vehicle features then show out by timeline for easy tracking.

Remote access via mobile phone

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

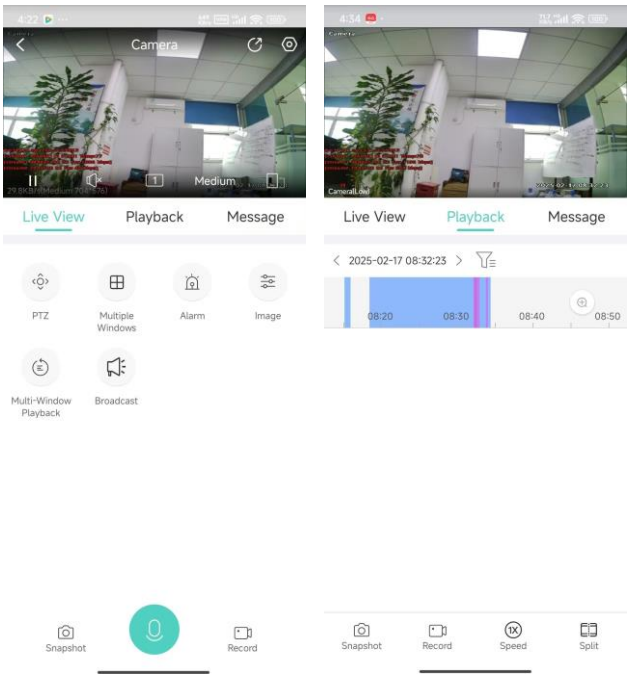
1. Search "**Elink Defense"** in Google Play or Apple Store, or scan the QR code to download and install the app. When you previously used Guard Viewer app you can also continue to use that one.

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



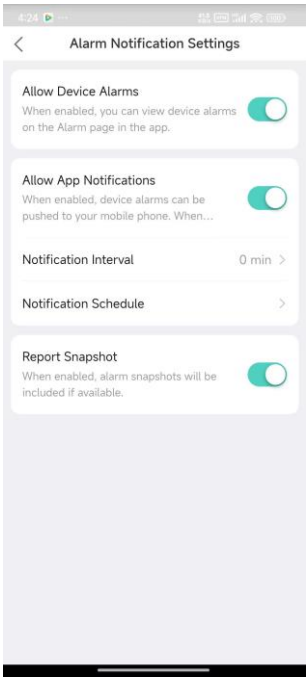
3. Open the app and **Sign Up**, then tap **+ / Add Device** scan the above P2P QR code

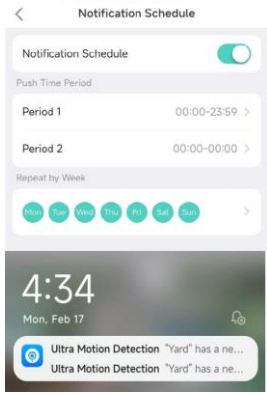
4. **Live view** and **Playback** on mobile phone via app

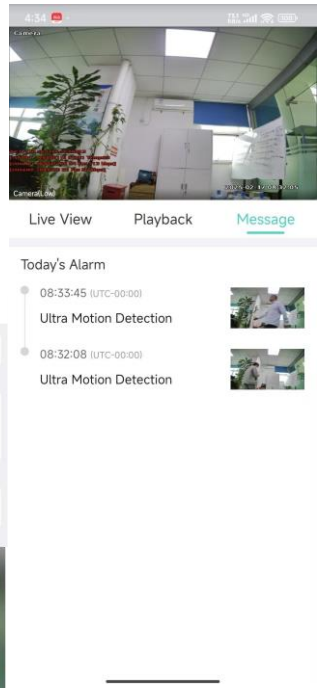


PTZ, Two-way audio, Alarm Relay (Red-Blue lights), Image adjustment are all available here.

5. Alarm Push Message

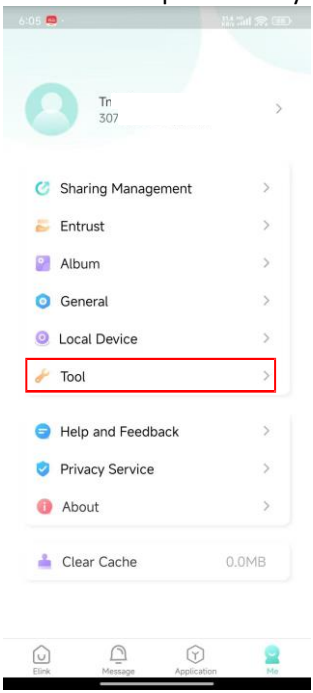






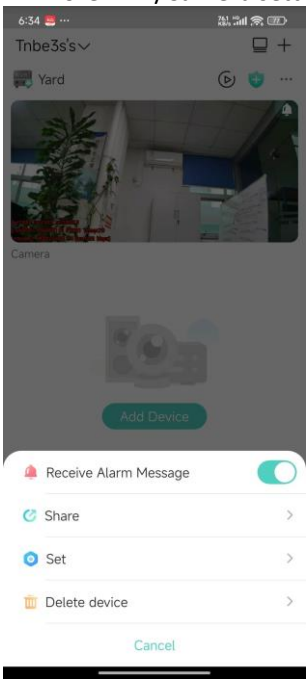
Goto **Alarm Notification Settings**, enable all and open Schedule. When an event happens, the message will be pushed to lock-screen and app Message list.

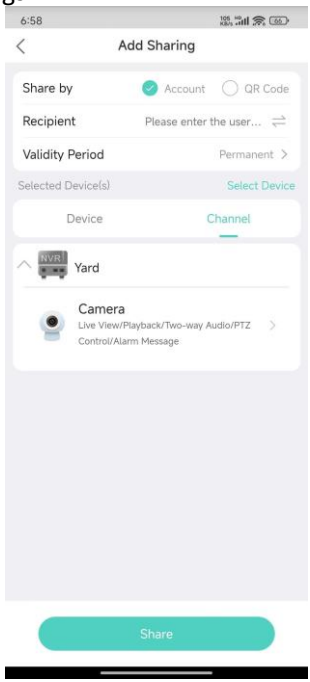
6. Reset NVR password by app



Goto **Me** -> **Tool** -> **Forget Device Password**, click **Forget password** on the login screen of the ANVR, scan the QR Code, the password reset link will be sent to the email address which was used in the setup before.

7. More NVR/Camera settings





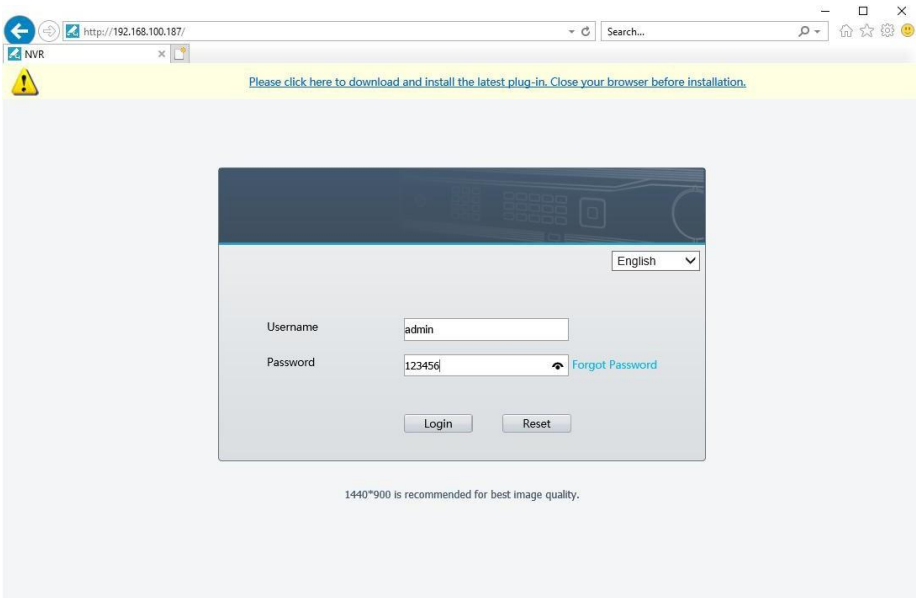
Click top-right "**...**", you can share device, do more NVR/Camera settings in app.

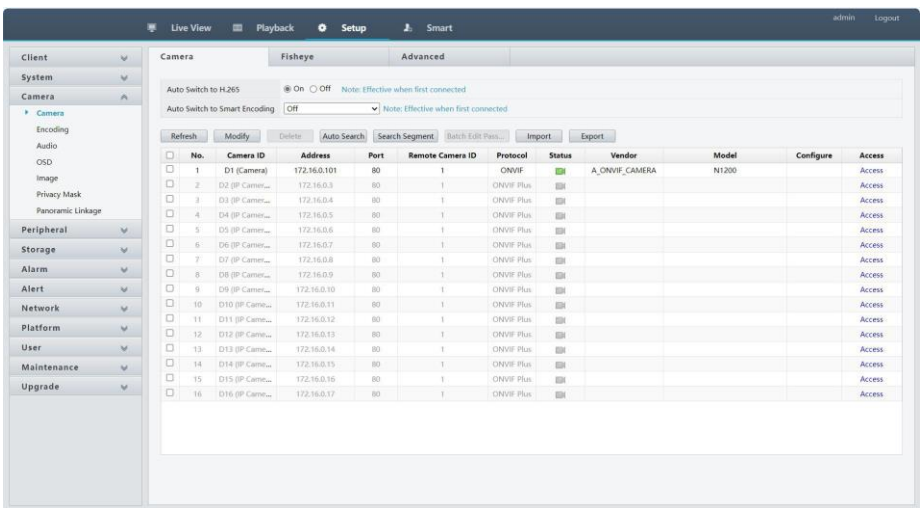
Important:

- 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 their app until you share it manually.

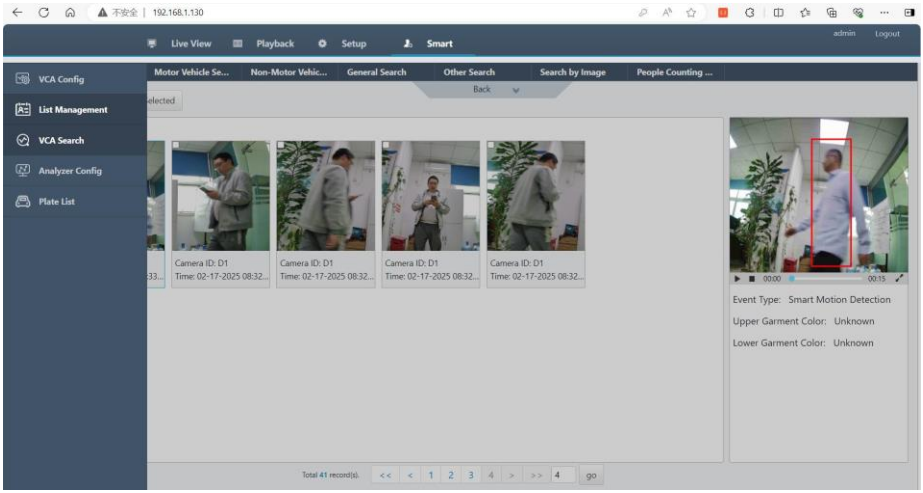
Remote view ANVR via Internet Browser

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 in to the web interface



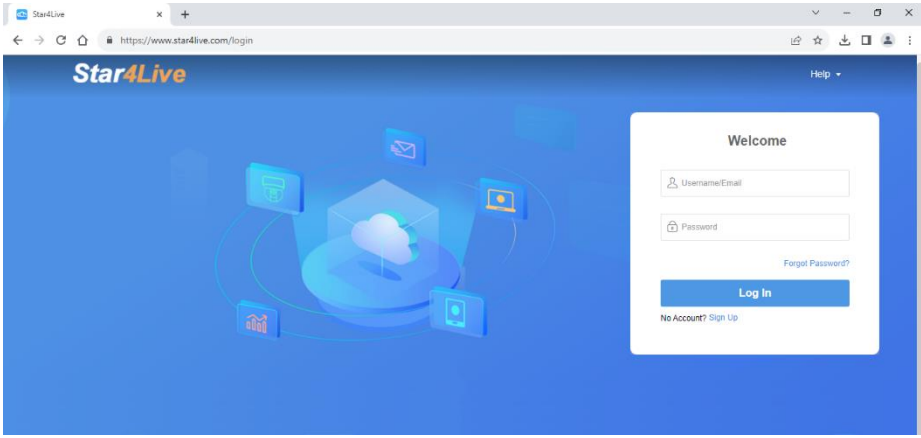


Click “**Access**” can jump to camera web page.



Almost all functions can be operated via NVR Web page.

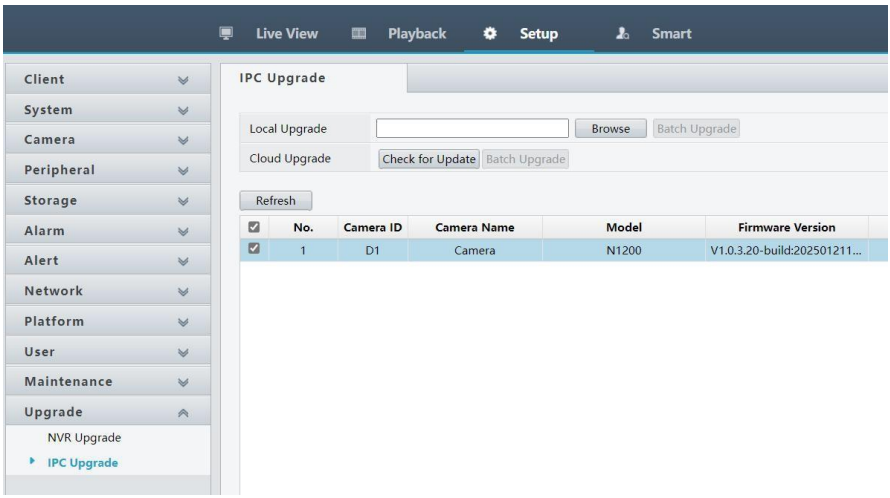
For Internet remote cloud access, please go to https://www.star4live.com

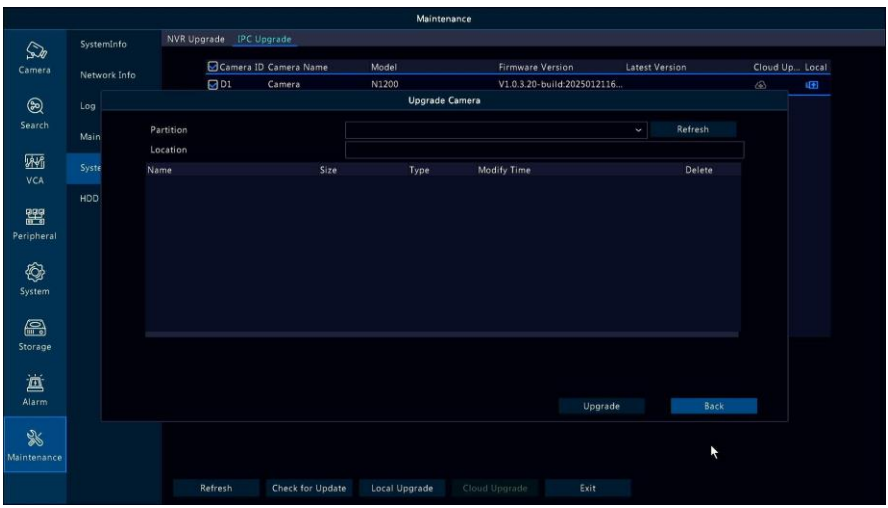


Sign up or login to your account to view your device via cloud management service interface. (Use the same account as the app)

System update (including 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), c) Via Airlive Search Tools II.





Admin Password Reset

Click **Forgot Password** on the **Login** page, reset by email using app tool.