The first time you run the NVR, you will be required to set your password immediately in order to protect your privacy.

Please be sure to record your username and password and save them in a secure place. If you forget your password, you will be unable to login the system, please contact your reseller to reset the password.
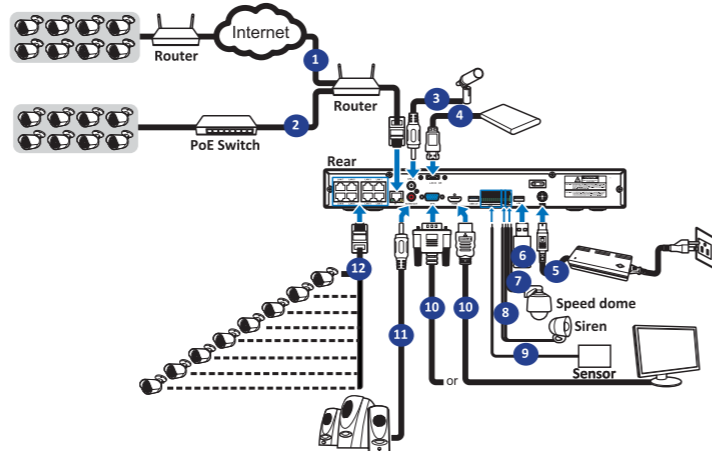
IVSEC
INTELLIGENT VIDEO SECURITY
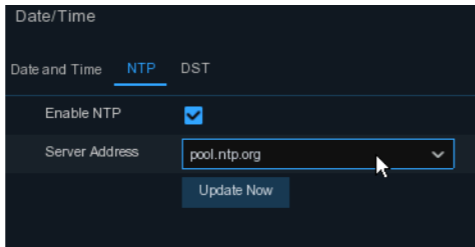
Quick Installation Guide

1 Connection Diagram

1) You can connect to other IP cameras remotely over the Internet.
2) Connect a CAT.5E or higher RJ45 Ethernet cable for local connectivity. You can connect to other IP cameras through your local network.
3) Two-way voice conversation with the remote PC.
4) Connect an external hard disk drive to backup files stored on the NVR.
5) Connect the included power cable (48V, 4-Pin DIN connector).
6) Use the USB flash disk for backup, camera, or system upgrade.
7) Connect a RS-485 device such as speed dome camera.
8) Connect an external alarm output device such as siren.
9) Connect external alarm sensors. Not available for NR308XA and NR316XA
10) Connect the video output of the NVR to the TV or monitor via HDMI or VGA connection.
11) Connect speakers if you want to listen to the live audio sound or audio playback from the NVR.
12) Connect the PoE IP cameras. It may take up to 1 minute for the cameras to start transmitting video to the NVR.

Note: **Above diagram is for reference only. The practical connection may be different depending on the NVR you purchased.**
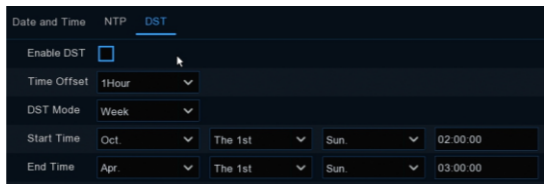
2 HDD Installation

This NR308XA supports one 3.5" SATA hard disk drive. Other IVSEC NVRs support more drives.

CAUTION : **DO NOT install or remove the hard disk drive while the device power is turned ON.**

a) Carefully slide the SATA connector (L shaped connectors) of the hard drive onto the SATA slot on the NVR mainboard

b) While holding onto the hard drive carefully flip the NVR case & secure hard drive to the NVR with four (4) screws

3.5"HDD   3.5"HDD
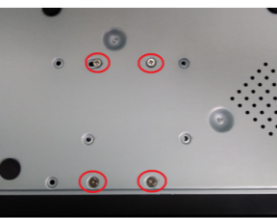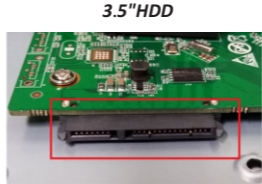
3 Startup Wizard

Wizard setting menu includes: start wizard page, Network, Network Configuration, Date/Time, IPC Setup, Disk, Resolution , Mobile and Summary.

1) Start wizard
Click the **Start Wizard** to proceed to the next step.

2)Network Configuration
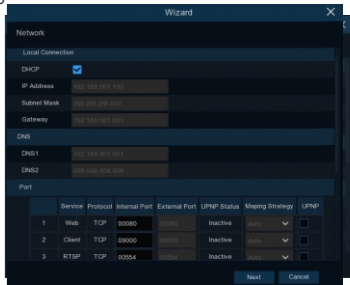
If you connect to a router allows to use DHCP, please check the **DHCP** box. The router will assign automatically all the network parameters for your NVR. Unless the network is manually addressed below parameters:

IP Address: The IP address identifies the NVR in the network. It consists of four groups of numbers between 0 to 255, separated by periods. For example, "192.168.001.100".

Subnet Mask: Subnet mask is a network parameter which defines a range of IP addresses that can be used in a network. If IP address is like a street where you live then subnet mask is like a neighborhood. The subnet address also consists of four groups of numbers, separated by periods. For example, "255.255.000.000".

Gateway: This address allows the NVR to access the Internet. The format of the **Gateway** address is the same as the **IP Address**. For example, "192.168.001.001".

DNS1/DNS2: DNS1 is the primary DNS server and DNS2 is a backup DNS server. Usually should be enough just to enter the DNS1 server address.

Port
Web Port: This is the port that you will use to log in remotely to the NVR (e.g. using the Web Client). If the default port 80 is already taken by other applications, please change it.

Client Port: This is the port that the NVR will use to send information through (e.g. using the mobile app). If the default port 9000 is already taken by other applications, please change it.

RTSP Port: This is the port that the NVR will be allowed to transmit real-time streaming to other device (e.g. using a streaming Media player.).

UPNP: If you want to log in remotely to the NVR using Web Client, you need to complete the port forwarding in your router. Enable this option if your router supports the UPnP. In this case, you do not need to configure manually port forwarding on your router. If your router does not support UPnP, make sure the port forwarding is completed manually in your router.

3) Date/Time
This menu allows you to configure the Date, Time, Date Format, Time Format, Time Zone, NTP and DST.

Date and Time
Click on the calendar icon to set the current system date.

Date: Click on the calendar icon to set the system date.
Time: Click to set the system time.
Date Format: Choose from the dropdown menu to set preferred date format.
Time Format: Choose time format between 24Hour and 12Hour.
**Time Zone:** Set the correct time zone.

NTP
NTP stands for Network Time Protocol. This feature allows you to synchronize the date and time automatically on the NVR over Internet. Therefore, the NVR needs to be connected to the Internet.

Check the **"NTP" box, and** select the NTP server.

DST
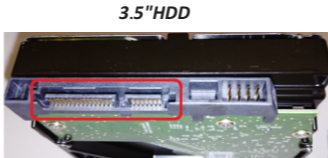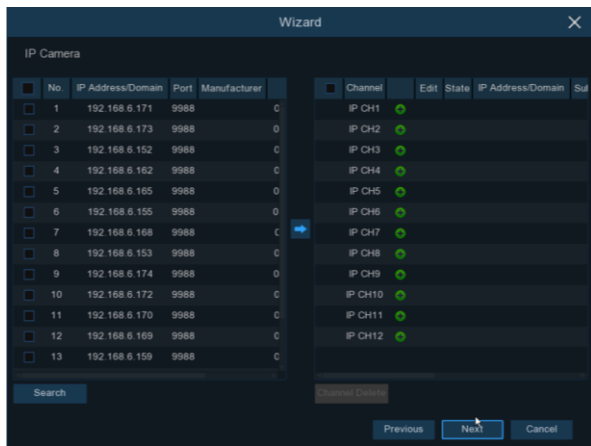DST stands for Daylight Savings Time.

DST: Enable if Daylight Saving Time (DST) is observed in your region
Time Offset: Select the amount of time to offset for DST
Time Mode: Choose to set the daylight saving time in weeks or in days
Start Time/End Time: Set the start time and end time for daylight saving

4)IP Camera
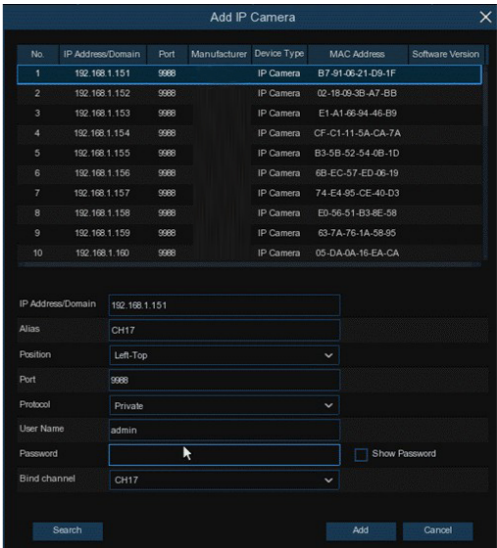This menu allows you to add IP cameras to the NVR.

Click Search to search IP cameras in the same network. Choose the IP camera(s) you want to add, and then click ➡ icon to add to the NVR.
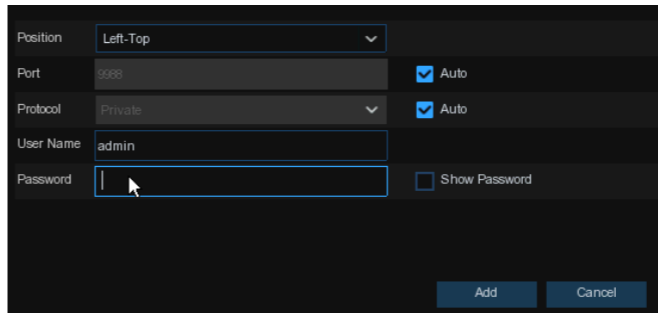
Enter the camera's user name & password to add the camera(s).

You can also click ⊕ button to add individual IP camera to a single channel.

Click **Search** button to search IP cameras, and then click one of the IP camera in the device list.
IP Address/Domain: IP address or domain name of the IP camera
Alias: Name of the IP camera
Position: Position to display the camera name on the screen.
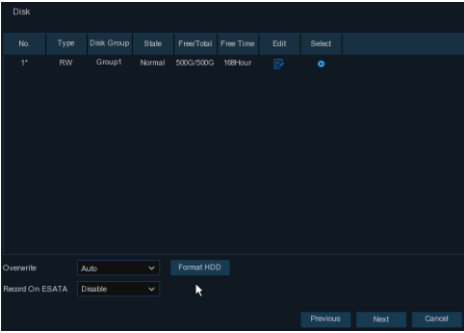**Port:** Port of the IP camera
Protocol: Choose the protocol of the IP camera from the dropdown menu
User Name: User Name of the IP camera
Password: Password of the IP camera
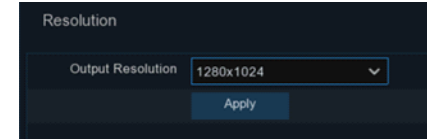**Bind channel:** Choose a channel of the NVR you want to attach to

5) Disk

If the HDD is installed in the NVR for the first time, it must be formatted. Select the HDD and then click **Format HDD** button to format the HDD.

Overwrite: Use this option to overwrite the old recordings on the HDD when the HDD is full. For example, if you choose the option 7 days then only the last 7 days recordings are kept on the HDD. To prevent overwriting any old recordings, select Disable. If you have disabled this function, please check the HDD status regularly, to make sure the HDD is not full.

Record On ESATA: If your NVR comes with an e-SATA port on the rear panel, you can enable to record the video to e-SATA HDD.

6)Resolution

Choose an output resolution matches to your monitor. The NVR supports to adjust the output resolution automatically to match the best resolution of your monitor when the system is starting up.

7)Mobile

If your NVR come with a P2P ID, you can scan the QR code with your mobile app to view the NVR remotely.

8)Summary

You can check the system summary information you had set in the start wizard and finish the wizard.

Tick "**Don't show this window next time**" if you don't want to display Start Wizard when system reboot next time. Click **Finish** button to save & exit.
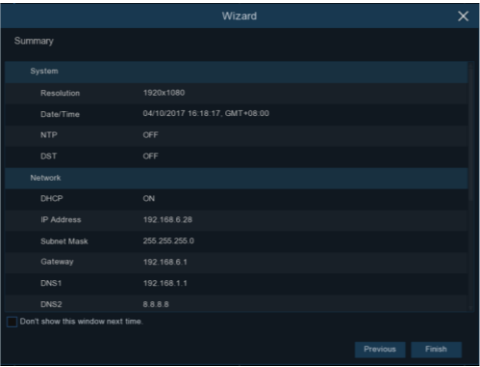
Live View Screen Overview

Status Icons

🔴 This indicates that the NVR is currently recording.

🏃 This icon appears when the camera has detected motion.

📩 The icon indicates that the external I/O alarm device is triggered

⏺ This icon indicates that the HDD is in error to work

🔄 This icon indicates the HDD is unformatted

📁 This icon indicates the HDD is full.

🔒 This icon indicates the HDD is read-only.

PIR This icon indicates that a PIR detection has been made.

S This icon indicates an intelligent even has been triggered

Off-line: IP camera is disconnected.

Decoding Failed: The NVR doesn't support this kind of IP camera compression standard, please change to H.264 compression standard.

Click to open **Quick Add** menu to add IP camera
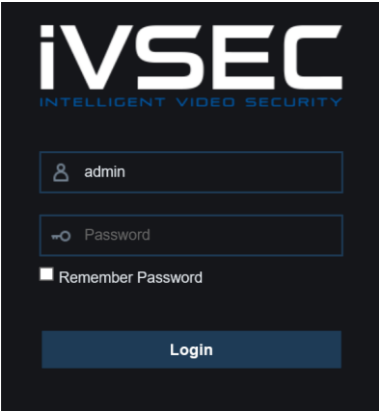
Click to edit current IP camera

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4 Remote Access via Web Client

Use the Web Client to remotely access your NVR at anytime via a PC. Before you access the Web Client, you need to ensure that the network settings of the NVR are configured properly. The most convenient and easiest way is if you have set the NVR a static IP address . It means you only need to open the web browser on your PC and type in the static IP address you have set on the NVR. However, if the IP address of the NVR is assigned by a DHCP server , then it means that each time you reboot the NVR, the IP address changes. In this case, ask if your ISP can provide you a static IP address. If not, then configure the DDNS service. Also, please make sure the UPnP is configured in the NVR and router, or the manual port forwarding is completed in the router.
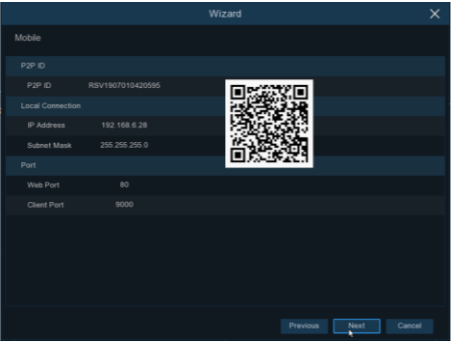
You will need to install the plug-in if this is the first time you connect to your NVR via IE, Google Chrome (IE Tab extension), Firefox, or Mac Safari.

Login to Web Client

Notice for Windows 8 and Windows10 Users:

1) If you are running Windows 8 or Windows10,you will have to right click on Internet Explorer from the start menu and select "Run as administrator".

2) After successful Login to the Net Viewer,the system will enter into live display interface and connect to audio/video feed automatically.
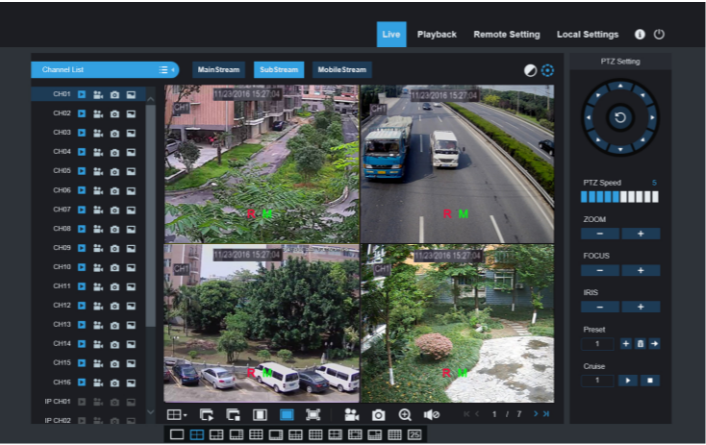
5 Remote Live View on Mobile Devices

1. Open the App Store (iOS) or Play Store (Android).

2. Search for and install   **IVSEC X**   application.

3 Open **IVSEC X**   application (**iVSEC**)

4. Go to Device List. Click   select IPC/NVR/DVR. Scan QR code on top of NVR box. Then input user name and password, and then click "Save". Connection Status: Success

5. Live View
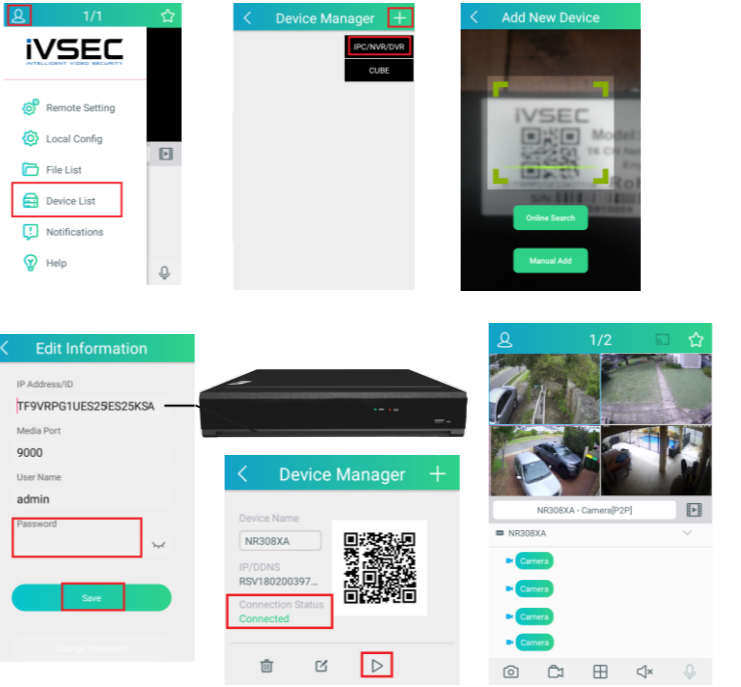
TECHNICAL SUPPORT

Go to   **www.ivsecurity.com.au/FAQ**
Or call 1300 368 348 for support

Scan the QR code below to download the **IVSEC X** App.

For IOS   For Android