



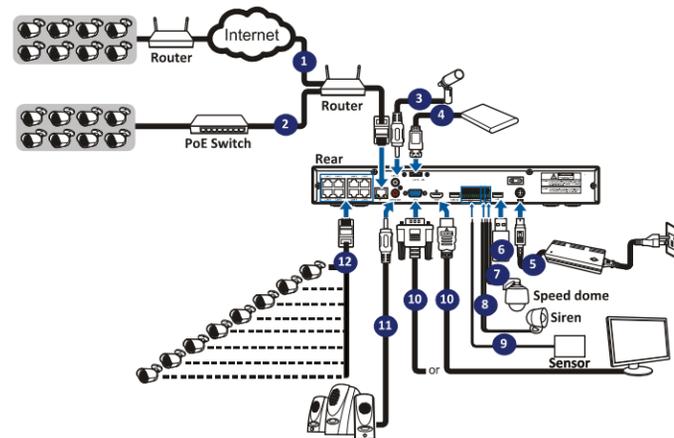
NETWORK VIDEO RECORDER

Quick Intallation Guide

GSDGROUPINC.COM

The first time you run the VR, 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.

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 back up files stored on the NVR.
- 5) Connect the included power cable (48V/2A, 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 a siren.
- 9) Connect external alarm sensors.
- 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.

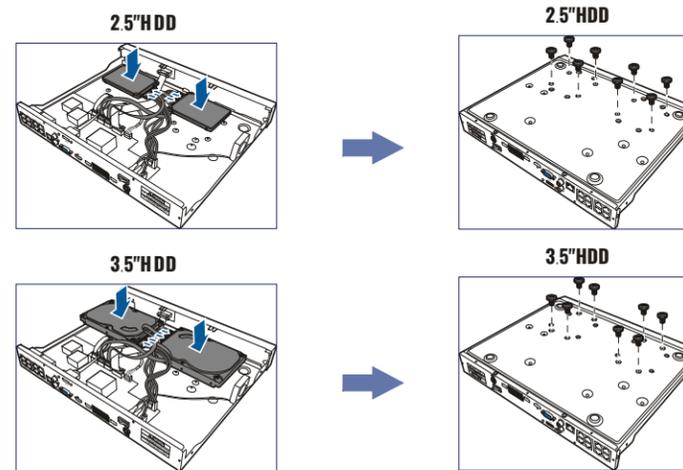
Note: Above diagram is for reference only. The practical connection may be different depending on the NVR you purchased.

2.HDD Installation

This NVR supports two 3.5" or 2.5" SATA hard disk drives.

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

- a) Connect the data and power cables to the two hard disk drives and place the hard disk drives on the NVR case.
- b) Carefully flip the NVR case and secure the hard disk drives to the NVR with the eight (8) screws.



3.Startup Wizard

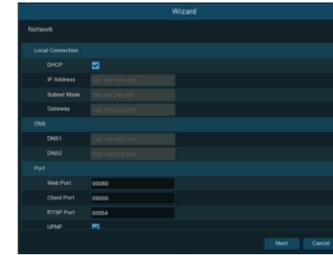
Wizard setting menu includes: start wizard page, Network, Network Configuration, Date/Time, IPC Setup, Disk, Resolution , Mobile and Summary.

1) Startup 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:

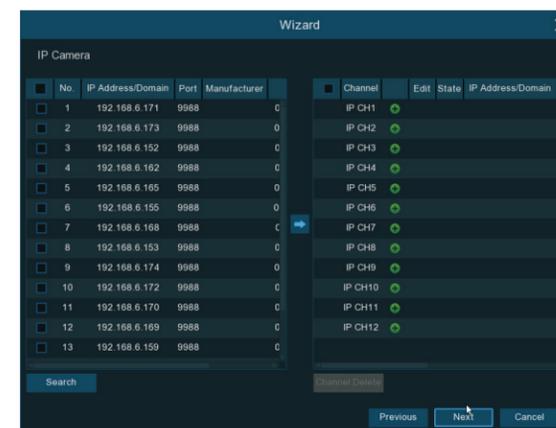
- IP Address:** The IP address identifies the NVR in the network. It consists of four groups of numbers between 0 to 255, separated by periods. For example, "192.168.001.100".
- Subnet Mask:** Subnet mask is a network parameter which defines a range of IP addresses that can be used in a network. If IP 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

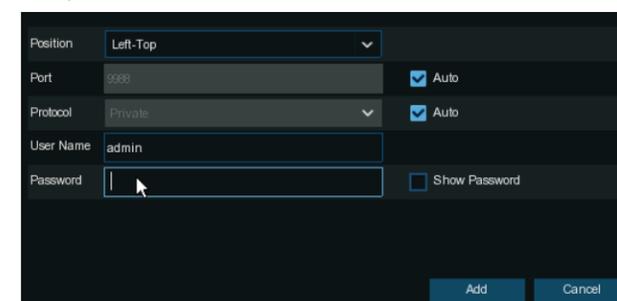
- Web Port:** This is the port that you will use to log in remotely to the NVR (e.g. using the Web Client). If the default port 80 is already taken by other applications, please change it.
- Client Port:** This is the port that the NVR will use to send information through (e.g. using the mobile app).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

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 the arrow 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 an 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

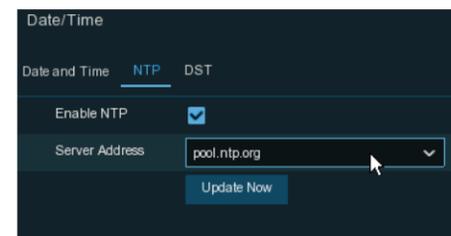
User Name: User Name of the IP camera

Password: Password of the IP camera

Bind channel: Choose a channel of the DVR you want to attach to

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

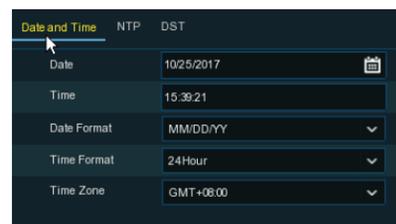
Start Time/End Time: Set the start time and end time for daylight saving

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.

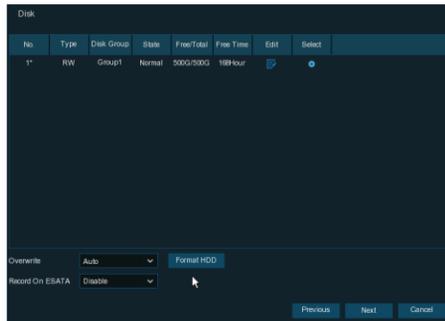
Time: Click to set the system time.

Date Format: Choose from the dropdown menu to set preferred date format.

Time Format: Choose time format between 24 Hours and 12 Hours.

Time Zone: Set the correct time zone.

5)Disk



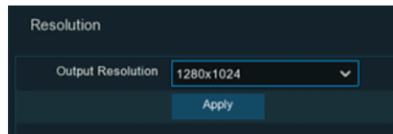
If the HDD is installed in the NVR for the first time, it must be formatted. Select the HDD and then click **Format HDD** button to format the HDD.

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 E-SATA: 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

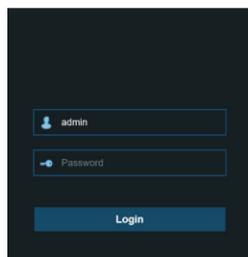
Choose an output resolution matches to your monitor. The NVR supports to adjust the output resolution automatically to match the best resolution of your monitor when the system is starting up.



4.Remote Access via Web Client

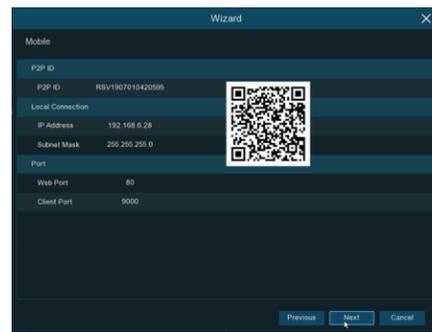
Use the Web Client to remotely access your NVR at anytime via a PC. Before you access the Web Client, you need to ensure that the network settings of the NVR are configured properly. The most convenient and easiest way is if you have set a static IP address for the NVR. This means you only need to open 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, Firefox, or Mac Safari.



7)Mobile

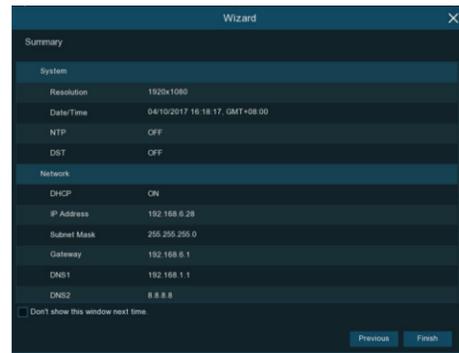
If your NVR comes with a P2P ID, you can scan the QR code with your mobile app to view the NVR remotely.



8)Summary

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

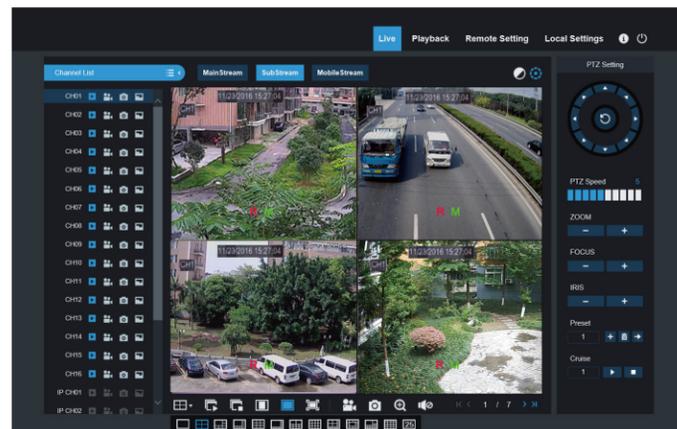
Tick "Don't show this window next time" if you don't want to display Start Wizard when system reboot next time. Click Finish button to save & exit.



Notice for Windows 8/10/11 Users:

1) If you are running Windows 8/10/11, you will have to right click on Internet Explorer from the start menu and select "Run as administrator".

2) After a successful Login to the Net Viewer, the system will enter into live display interface and connect to audio/video feed automatically.



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 has an error.
- This icon indicates the HDD is unformatted.
- This icon indicates the HDD is full.
- This icon indicates the HDD is read-only.

No Camera: IP camera is disconnected.

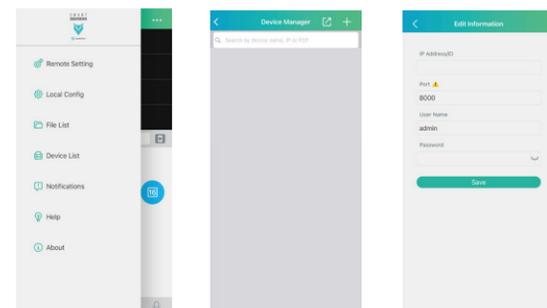
Decoding Failed: The NVR doesn't support this kind of IP camera compression standard, please change to H.264 compression standard.

Click to open the **Quick Add** menu to add IP cameras.

Click to edit current IP cameras.

4.Remote LiveView on Mobile Devices

1. Open the App Store (ios) or Play Store (Android).
2. Search for and install the SmartGuardian application.
3. Open the SmartGuardian application:
4. Go to Device Click '+' to add new device. Scan QR code under NVR box. Then input the client port, user name and password, and then click "Save" to log into the NVR.
5. Live View



HDMI™ The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

MEMO

For firmware and software updates, visit www.gsdgroupinc.com

For technical support, dial 1 (866) 791-7020

For more information, please visit our YouTube channel:



To download our latest firmware and software, please visit gsdgroupinc.com