

**WISeNET**

# **NETWORK VIDEO RECORDER**

## Quick Manual

SRN-473S/873S/1673S



## FEATURES

The product records video and audio from network cameras to a hard disk, and enables playback from the hard disk. It also provides remote monitoring environment for video and audio over the network using a remote computer.

- User-friendly UI
- VGA, 4CIF, record in a max of 4096x2160 (8M pixel) supported
- Record and play video
- Record and play audio
- Supports ONVIF Profile S standard and RTP / RTSP protocols
- Full HD video output via HDMI
- Display the HDD operation status by HDD SMART
- HDD overwrite enabled
- Backup using USB 2.0 protocols and external HDD
- Simultaneous playback of 4, 8, or 16 channels
- Various Search Modes (Search by Time, Event, Text, Backup)
- Various Recording Modes (Normal, Event, Scheduled Recording)
- Alarm Input / Output
- Remote Monitoring function by Windows Network Viewer
- Live monitoring of the network camera
- Installation Wizard Function (Quick Setup)



- Due to the NVR characteristics, live video can be slow or cut off. This is not a functional error or defect but happens depending on the network environment or camera data transmission. For more details, refer to the product manual FAQ(troubleshooting page).



Hanwha Techwin cares for the environment at all product manufacturing stages, and is taking measures to provide customers with more environmentally friendly products.

The Eco mark represents Hanwha Techwin's devotion to creating environmentally friendly products, and indicates that the product satisfies the EU RoHS Directive.



### Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.



### Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

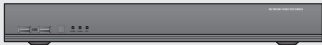


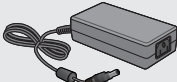
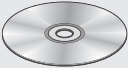
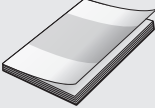

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

# Package Contents

Please unwrap the product, and place the product on a flat place or in the place to be installed.  
Please check the following contents are included in addition to the main unit.

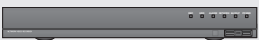



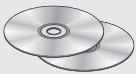
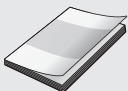
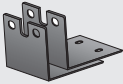


## SRN-473S

		
NVR	Mouse	Power Cable
		
Power Adaptor	User Manual CD	User Manual or Quick Manual
		
Terminal block		





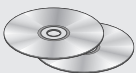
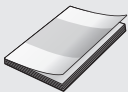





- Two additional screws are provided to install an HDD for models that come without an HDD installed.

## SRN-873S

		
NVR	Mouse	
		
Power Cable	Network Viewer Software / User Manual CD	Remote Control / Remote Control Battery (AAA)
		
User Manual or Quick Manual	Bracket rack	Bracket mounting screws
		
Terminal block		

## SRN-1673S

		
NVR	Mouse	
		
Power Cable	Network Viewer Software / User Manual CD	Remote Control / Remote Control Battery (AAA)
		
User Manual or Quick Manual	Bracket rack	Bracket mounting screws
		
Terminal block		



# GETTING STARTED

If you start the product, the <Install Wizard> screen will appear.

Follow the <Install Wizard> to set the product in an easy way and automatically register your camera.

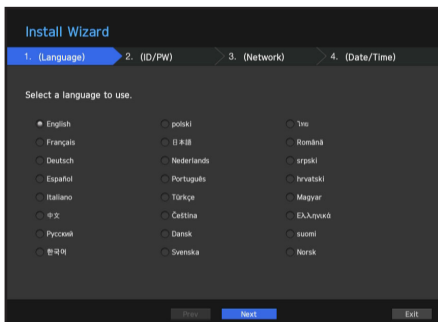


- Before you start the product, you must connect the product to a hard disk drive, NVR, and network camera. (see pages 19~33 of the User Manual)
- At the time of initial registration, leave the camera in the initial setting.

## Install Wizard

As shown below, proceed through each step of the <Install Wizard>.

1. In the <Language> screen, select the language and press the <Next> button.



2. In the <ID/PW> screen, set the password and press <Next>.



- If you click < ⓘ >, a basic guide for password setup is displayed.

3. In the <Network> screen, set the network access method and the access environment. To use a simple intranet, click <Next>.

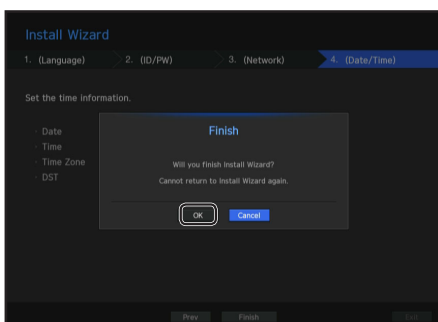
- Network 1 (Camera) : Connects to the camera and receives the video feed from the camera
- Network 2 (Viewer) : This is a port for transmitting an image to the webviewer.
- Network 1 / Network 2 Setup
  - IP Type : Choose the network connection method.
  - IP Address, Subnet Mask, Gateway, DNS



- If the LAN cable is not connected to the port, the setting button will not be activated for use. Check the LAN cable connection.
- The built-in DHCP Server in NVR will turn on automatically at stage 3. At this stage, using the existing DHCP server in the same network may cause a problem, as two DHCP servers would be simultaneously operating.
- For more details on network settings, refer to the user manual.

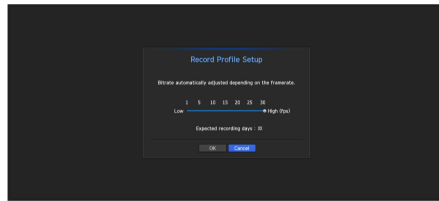
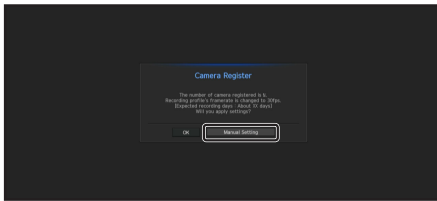
4. After setting the date/time settings in the <Date/Time> screen, click on the <Finish> button to launch the setting completion window.

5. In the setting completion window, click on the <OK> button to finish camera setting and launch the camera registration screen.



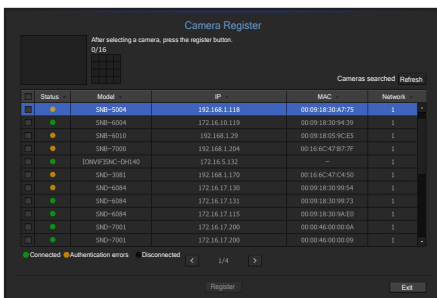
- If there are 16 or less cameras searched, it will be automatically registered and the camera information(fps, days of recording) will be displayed.

- If there are 16 or less cameras searched



- The searched camera will be automatically registered and the initial recording value will be displayed.
- In the camera registration window, click the **<Cancel>** button to modify the recording settings automatically set.

- If there are more than 16 cameras searched



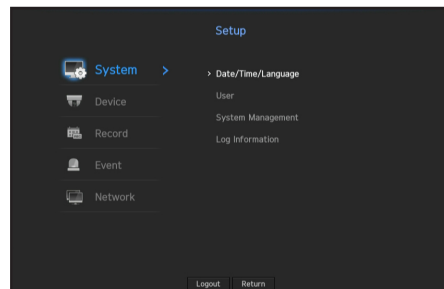
Select a camera to register and click the **<Register>** button. Once camera registration is finished, proceed in the same steps as after auto registration.

## CONFIGURING MISCELLANEOUS SETTINGS

This section outlines how to configure the camera settings, camera title (video name), and split mode.

### Opening the Setup Menu

In live mode, right-click the screen to open the live mode context menu. Click **<Menu>** to open the setup screen.

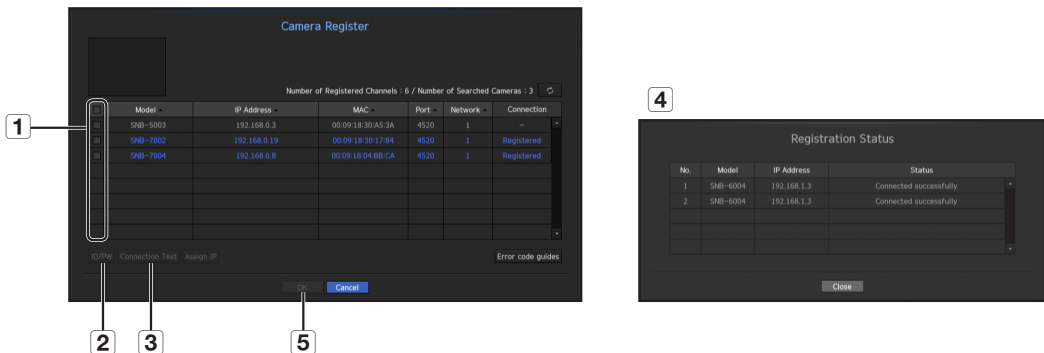


## Additional camera registration

In the <Install Wizard> setting, make a connection to the camera automatically registered and use the menu path to register and connect a camera.

Menu → Device → Camera → Cam Registration → Auto

Mouse right menu → Quick Setup → Camera Register

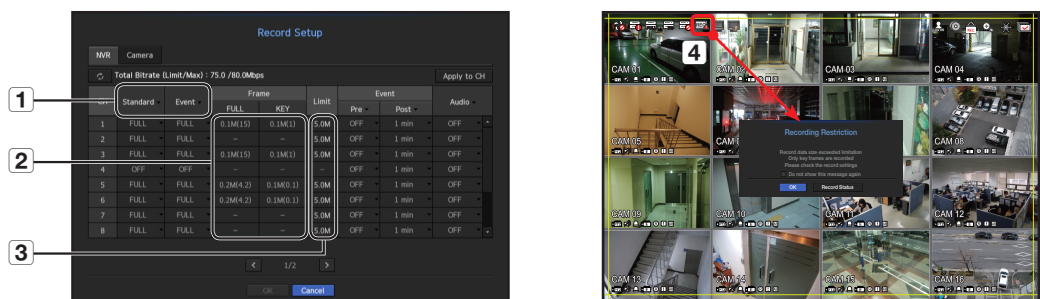


To register a camera, follow these steps:

- 1 Select the camera to register (you can select multiple cameras).
  - 2 Click <ID/PW> to register your ID and password. (If you do not register a new ID/PW, then the default ID/PW combination is used.)
  - 3 Click <Connection Test>.
  - 4 Check the connection results.
  - 5 If the channel connected successfully, click <OK> to end the camera registration process.
- Click an item on the table to see a preview (you must change the ID/PW in step 2 if the camera account changes).
  - Click the table headers to sort the content.
  - Click <Refresh> to check if a new IP address was allocated to the camera when you rescan the network or when an IP address was not assigned by the DHCP server (e.g., 192.168.1.100). If the IP still stays the same, then select Assign IP to assign the IP manually.

## Configuring the Recording

This section outlines how to configure and view the recording settings for each channel.



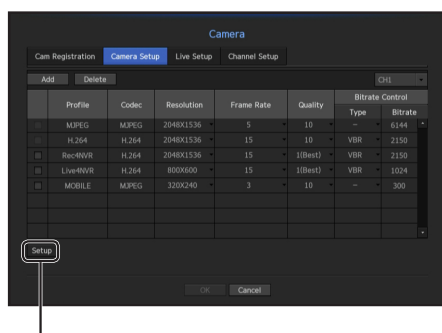
- 1 Shows the standard and event recording method for each channel.
  - FULL : Records all the frames received from the camera.
  - KEY : Records only the key frames received from the camera. In general, one or two frames per second are recorded, but you can adjust this in the camera settings.
  - OFF : Turns off recording.

- ② Shows the transmission size of the recording data for each channel.
  - ③ Shows the data size limit for each channel.
- The orange colored channel indicates the case where the ② input data load is greater than the ③ permitted data load. If you set the ③ permitted data load to greater than the ② input data loads, it will be changed to orange.
  - If the sum of input data for each channel is greater than the max level for the camera, then ④ the recording exceeding icon and the alarm message will be displayed. In this case, for the channel exceeding the input limit will record the main frame(one or two per second) only.

## Setting Up the Camera

From the setup menu, you can configure the camera settings (resolution, frame rate, and quality) and other functional settings.

Menu → Device → Camera → Camera setup



Camera function settings: You can configure the camera settings or the live movie format to change the settings in the camera itself.

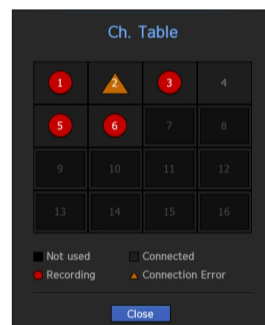
- Add : Adds a camera profile.
- Delete : Deletes the selected profile from the list.
- Profile : Specifies the movie profile of the connected camera in the camera settings.
- Codec : You cannot change the codec of the selected profile.
- Resolution : Specifies the resolution of the selected profile.
- Frame Rate : Specifies the frame rate of the selected profile.
- Quality : Specifies the transmission quality of the selected profile.
- Bitrate Control : Specifies the bitrate of the video transmitted for the selected profile.

## Channel information

Select the <CH info> in the live screen menu to check the status of camera connection to each channel.

The data sent from a camera and the information on the frame played by NVR are displayed.

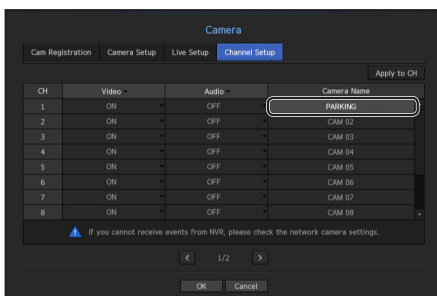
If the video is slow or cut off, check the current channel information and then check the network environment or the camera condition.



## Setting Up a Channel

From the channel setup menu, you can change the camera name shown in live mode.

Menu → Device → Camera → Channel setup

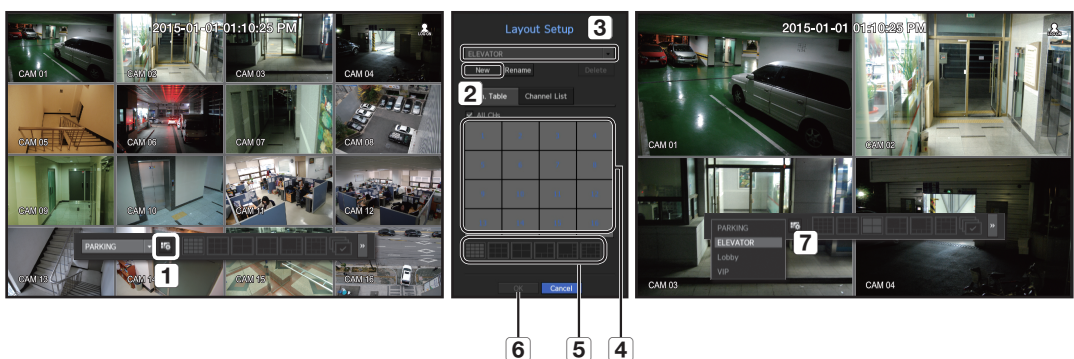


## Setting Up the Live Layout

This section outlines how to select a series of channels based on their purpose/accessibility and monitor them in a single layout.

Example) Layout "Lobby" - Lobby camera 1, Lobby camera 2, Front entrance camera 2

Layout "VIP" - Directors' meeting room 1, Directors' meeting room 2, Directors' lounge 1, Corridor camera on the 7th floor



To create a new layout, follow these steps:

- 1 Open the channel layout setup menu.
- 2 Click <New>.
- 3 Enter a name for the selected channels (e.g., ELEVATOR).
- 4 Select the channels that you want to add to the layout (e.g., 2, 7, 10, 15).
- 5 Choose a split mode to apply (e.g., 4-way split).
- 6 Click <OK>.
- 7 Choose a layout to view it on the screen (e.g., change to ELEVATOR).

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