

## *NVR H264/H265+ WIFI WITH HDMI*

### **NVR WiFi Kit Double Antenna**



***Ref. 1098/820***

***USER MANUAL***

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# 1 GENERAL INFORMATION

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## Dear Customer,

Thank you for purchasing this product.

This quick start guide was written to help you set up the URMET 8-Channel NVR of the WiFi Kit Ref. 1098/820.

Read this manual which contains information for correct, safe use carefully.

We advise you to keep this manual at hand so that you can refer to it when needed.

## 1.1 PRODUCT DESCRIPTION

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This Urmet S.p.A. product is a digital video recorder for recording images from multiple cameras on an internal hard disk.

### 1.1.1 GENERAL FEATURES

- Three available modes (simultaneous recording, playback and transmission on network)
- Video compression H.264/H265+ (retro-compatible)
- Windows graphic interface, integrated real-time operating system
- Recording with resolution of 15fps@1080p per channel
- Multiple or single recording
- NVR Internet connection via LAN or Wi-Fi.
- HDMI video output
- User-friendly menu
- Multiple operating modes (preview, recording, playback, backup, monitoring via network and via mobile phone)
- Main Stream, Sub Stream and Mobile Stream transmission on network
- Remote control (via browser, via mobile and via Urmet UVS Pro Client Software)
- Remote control via Urmet iUVS Pro mobile software for iOS and Android platforms
- Configuration using Urmet DDNS ID via Internet Explorer, Mobile and Client Software
- P2P function available for Urmet UVS Pro Client and Mobile Urmet iUVS Pro
- RTSP function
- Supports zoom in/out and loop function
- Simultaneous normal/motion detection recording
- E-mail alarm notification
- Automatic maintenance mode
- USB 2.0 ports for backing up, updating and option using a mouse
- Backup to USB 2.0 from front panel (USB flash drive or hard disk)
- Group creation on HDD
- Loading and saving NVR configurations by means of USB flash drive
- Restore Default Password
- SD card port
- Multilingual OSD
- Mobile software for the following platforms: iOS (iPhone and iPad), Android (Smartphone and Tablet)
- Multi-Channel synchronous playback.

The main features are summarised in the following table:

Function	Description
Live	HDMI output (if available); supports Urmet UVS Pro client software, MP live monitoring and zoom in/out, automatic sequence and PiP display.
Record	Video compression standard: H.264/H265+; adjustable recording quality, resolution and frame rate; multiple recording modes: continuous, programmed, manual, on alarm (if available), motion detection and remote activation.
Recording storage	Supports high-capacity SATA hard disk and saves recording in real time on hard disk.
Play	Supports playback of files recorded on the NVR with single and multiple channel search.
Backup	Supports NVR backup to USB flash drive and SD card slot, removable disk, recorder and network.
Alarm setting	Supports hard disk alarm management from input video signal.
Operation via network	Supports remote monitoring by authorised users to guarantee system safety.
Operation with mouse	Supports use of mouse for quick menu navigation.

## 1.2 OPENING THE PACKAGE

Check that the packing and the contents are not visibly damaged. Contact the retailer immediately if parts are either missing or damaged. Do not attempt to use the device in this case. Send the product back in its original packing if it is damaged.

### 1.2.1 CONTENTS OF THE PACKAGE

- NVR
- Power supply unit
  - INPUT ⇒ 100-240 Vac 50/60Hz 1.5 A max
  - OUTPUT ⇒ 12Vdc 2A
- One mouse
- Quick Guide
- 2 WiFi Antennas

**※IMPORTANT NOTE:**

Accessories may be changed without prior notice.

## 1.3 WARNINGS

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### 1.3.1 POWER

- Check mains rating before plugging the power unit in.
- Do not pull the cord to unplug the device.
- Switch the device off before unplugging power unit. This operation must not be performed when the WiFi NVR is recording, playing or from the configuration menu. Stop recordings and playback in progress before disconnecting power from the device to prevent damaging the hard disk beyond repair.

### 1.3.2 SAFETY PRECAUTIONS

- Keep the device away from rain and humidity to prevent the risk of fire and electrocution. Do not introduce material (solid or liquid) inside. If this should accidentally occur, disconnect the device from the mains and have it inspected by qualified personnel.
- Never open the device. In all cases, contact a qualified personnel or authorised service centre for repairs.
- Keep the device away from children, to prevent accidental damage.
- Do not touch the device with wet hands to prevent electrical shock or mechanical damage.
- Do not use the device if it should fall or the external casing is damaged. Risk of electrocution if the device is used in such conditions. Contact the retailer or authorised installer.

### 1.3.3 INSTALLATION PRECAUTIONS

- To prevent overheating the device, arrange it in a position allowing the flow of air through the slots in the casing. Ensure at least 5 cm of free space when installing inside a rack. For the same reason, do not install sources of heat, such as radiators or hot air ducts. Keep away from direct sunlight. Do not install in areas subject to excessive dust, mechanical vibrations or shocks.
- Do not arrange this device on an unstable surface, such as a tottering or slanted table. The device could fall causing injury or mechanical failures.
- Do not install the device in a place where it could be exposed to humidity or water. Do not direct a jet of water onto the device: risk of fire, electrocution or mechanical failure.
- Stop using the device if water or other material should penetrate inside: risk of fire and electrocution. Contact the retailer or authorised installer.
- Do not place heavy or heat generating objects on top of the device: this could damage the casing and/or increase internal temperature causing faults.
- Do not cover the device with a cloth while it is running to prevent deforming the external casing and overheating the internal parts: risk of fire, electrocution and mechanical failure.
- Keep magnets and magnetised objects away from the device to prevent faults.
- Do not use the device in presence of smoke, vapour, humidity, dust or intense vibrations.
- Wait for a while before operating a device immediately after transporting it from a cold place to a warm place and vice versa. Wait on average for three hours: this will allow the device to adapt to the new ambient (temperature, humidity, etc.).

### 1.3.4 CLEANING THE DEVICE

- Rub delicately with a dry cloth to remove dust and dirt.
- Dip the cloth in neutral detergent if dirt cannot be removed with a dry cloth alone.
- Do not use volatile liquids (such a petrol, alcohol, solvents, etc.) or chemically treated clothes to clean the device to prevent deformation, deterioration or scratches to the paint finish.

### 1.3.5 HARD DISK

- The hard disk installed in this device is sensitive to shocks, differences in temperature and vibrations. Failure to respect these precautions can compromise correct operation of the device and cause loss of data stored on the hard disk.
- If repairs are required, it is advisable to backup all important data before taking the device to the service centre. URMET S.p.A. is not liable for loss of stored data.
- The addition of a hard disk must be performed by qualified technical personnel or by contacting the technical assistance service.

### 1.3.6 IMAGE RECORDING

- This device was designed to record images, not as a burglar alarm. Urmnet S.p.A. cannot be held liable for loss or damage following theft sustained by the user.
- Test recording before using the device to make sure that is working correctly. Please note that URMET S.p.A. is not liable for loss of stored data consequent to loss or damage caused by incorrect installation, use, improper use or malfunctioning of the device.
- This device contains precision electronic components. Protect the device from shocks to ensure correct recording of images.

### 1.3.7 PRIVACY AND COPYRIGHT

- Digital video recorder 8-Channel NVR of WiFi Kit Ref.. 1098/820 is a device for CCTV systems. Recording of imagines is subject to the laws in force in your country. Recording of images protected by copyright is forbidden.
- Product users shall be responsible for checking and respecting all local rules and regulations concerning monitoring and recording video signals. The manufacturer SHALL NOT BE LIABLE for use of this product not in compliance with the laws in force. For more information see the website <http://www.garanteprivacy.it>

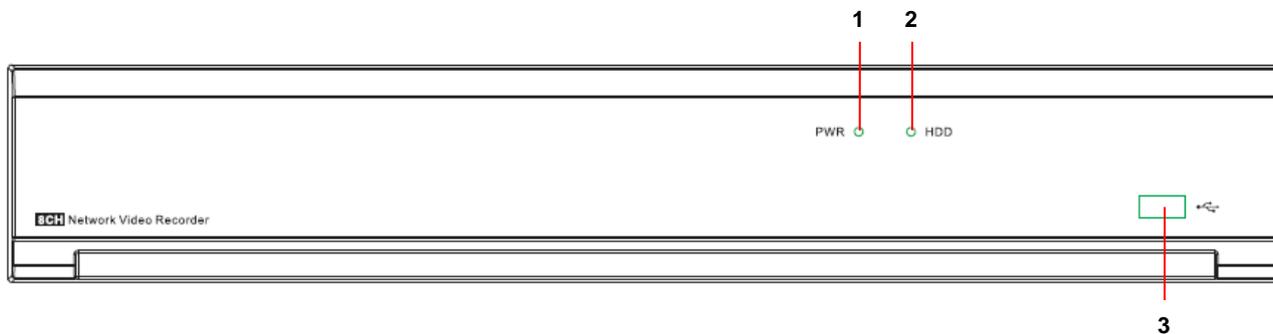
## 2 DESCRIPTION OF THE PARTS

### 2.1 FRONT PANEL

NVR stands for Network Video Recorder Equipment.

#### 2.1.1 NVR WIFI FRONT PANEL

Ref. 1098/820

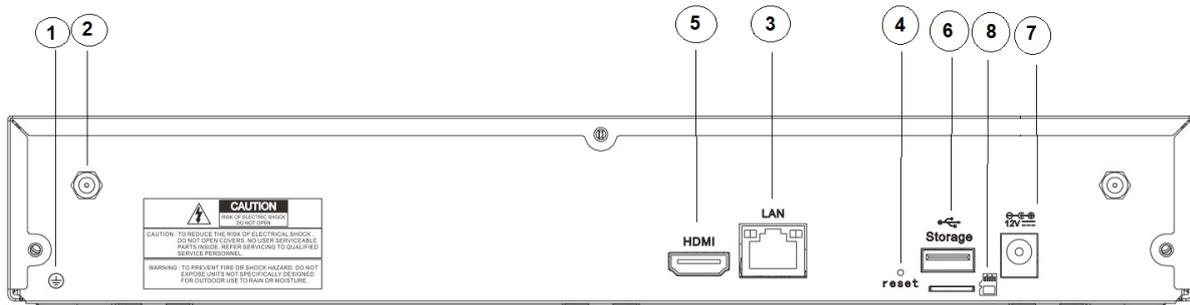


Number	Writing or indicator	Symbol	Function and description
1	Power indicator	PWR	The green LED on means that the NVR is powered correctly.
2	Hard disk indicator	HDD	The red LED blinking means that the user is reading or writing on the hard disk. The red LED on fixed means that the hard disk is not working correctly, not formatted or does not contain recorded files.
3	USB		USB port

## 2.2 REAR PANEL

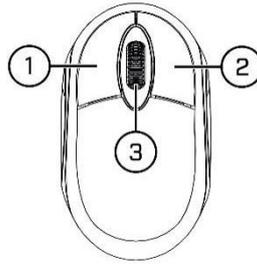
### 2.2.1 NVR WIFI REAR PANEL

Ref. 1098/820



Number	Physical port	Connection method
1	Connection to earth	Terminal for connecting a separate earth. * Make sure to use an earth cable to use the device safely
2	Aerial	Wireless camera signal receiver
3	WAN port	Router network input interface/IP camera connection
4	Reset button	Press three seconds for password reset. Press ten seconds for factory reset
5	HDMI port	High-definition HDMI port
6	USB 2.0 port	USB device connector, e.g. USB mouse
7	Power port	Connect with the power supply DC12V 2A.
8	SD card port	Plug in SD card as a hard disk to record. (When the hard disk is working, the SD card is not working)

## 2.3 OPERATION WITH MOUSE



TYPE	Function
Left click (1)	After having selected the main menu, click once on a menu item and confirm the selection.
	In live viewing mode, left click to open the Camera Quick Toolbar camera.
	In motion mode, click and hold pressed to drag the viewed areas or left-click and hold pressed to set the values of the sliders of the values of the scales.
Right click (2)	In live mode, right-click to view the pop-up menu and to exit the menus.
Double click (left click button)	In live or playback mode, double-click to display the image in full screen mode.
Wheel (3)	On the menu, scroll the mouse wheel up and down to move the contents of the menu.

## 2.4 OPERATION WITH VIRTUAL KEYBOARD

When you need to enter data, click the enter location, and you will see the virtual keyboard automatically on the screen.

Click to toggle the keyboard to upper case and punctuations



## 2.5 PASSWORD

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For the first time when you run the WIRELESS NVR, you must be required to set your own password immediately in order to protect your privacy. Please be sure to record your username and password and save them in a secure place.



**Language:** Choose an OSD language.

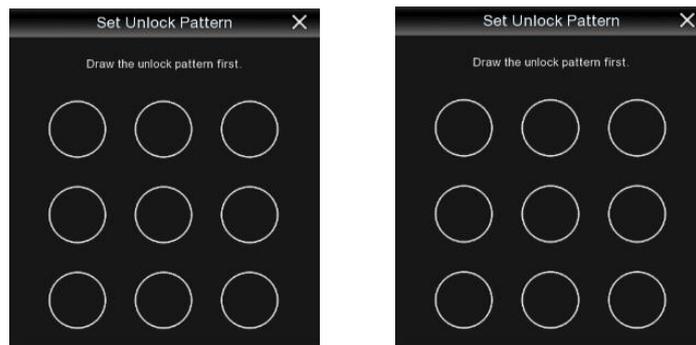
**Device ID:** Input the device ID in the parentheses. Default ID is 000000.

**New Admin name:** To set your own administrator name.

**New Admin Password:** To set your own password. The password must be a combination of 5 to 16 characters, which can be numbers, letters and symbols.

**Confirm Password:** Enter your own password again.

**Unlock Pattern Enable :** Enable unlock pattern. Click the edit icon on the right to start setting the pattern. Confirm the pattern twice, and it can be set successfully.



Click **Apply** to confirm your settings and go to the login interface. Draw an unlock pattern or Enter your user name & password to **Login** the WIRELESS NVR system.

## 2.6 WIRELESS CAMERA AND MONITOR CONNECTION

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Connect the Wireless cameras and connect the HDMI output port to the monitor (see paragraph 2.2 Rear panel).

## 2.7 POWER CONNECTION

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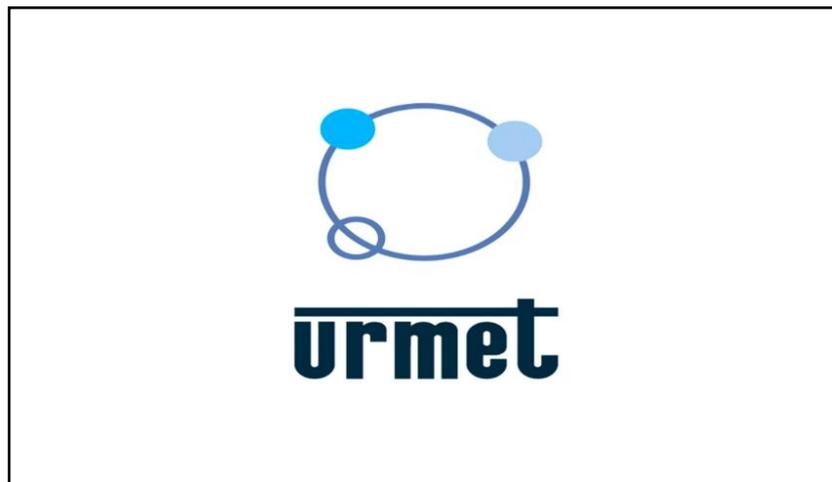
Use the power supply unit provided with the NVR only.

After switching on, check that the video output connections are correct.

### 3 SYSTEM INITIALISATION

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Plug the power supply cable of the NVR into the wall socket to open the system initialisation screen shown above.



#### 3.1 STARTUP WIZARD

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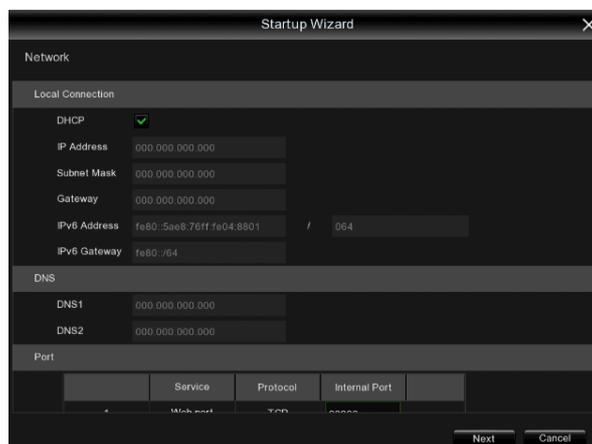
Startup Wizard will help to configure the system and get the WIRELESS NVR works quickly.

##### 3.1.1 STARTUP WIZARD

Click the **Start Wizard** to proceed to the next step.



##### 3.1.2 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 WIRELESS NVR. Unless the network is manually addressed below parameters:

**IP Address:** The IP address identifies the WIRELESS 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 WIRELESS 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 it 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 WIRELESS NVR (e.g. using the Web Client). If the default port 80 is already taken by other applications, please change it. The ONVIF port is synchronized with the web port. When the web port is changed, the onvif port will be also changed accordingly.

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

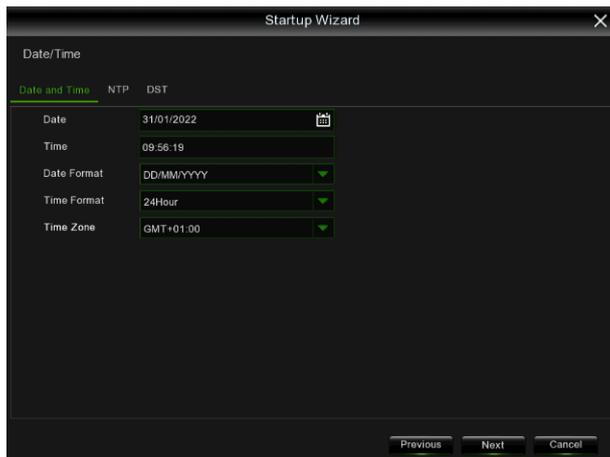
**Https Port:** The Https port is the web browsing port, which is mainly used for HTTPS services. It is another HTTP that provides encryption and transmission through a secure port.

### 3.1.3 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.

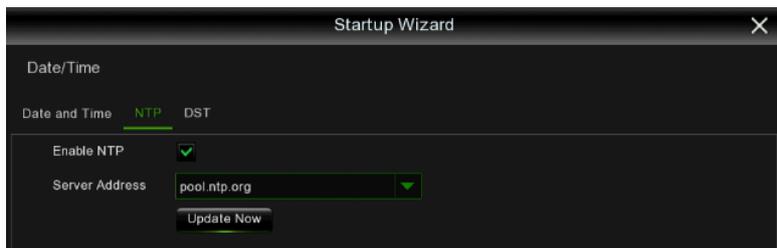
**Date format:** Choose from the dropdown menu to set preferred date format.

**Time format:** Choose time format between 24Hour and 12Hour in the dropdown menu.

**Time zone:** Set the correct time zone.

#### NTP

**NTP:** NTP stands for Network Time Protocol. This feature allows you to synchronize the date and time automatically on the WIRELESS NVR over Internet. Therefore, the WIRELESS 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 it 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 day.

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

### 3.1.4 DISK



If the HDD is installed in the WIRELESS 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, please select Disable. If you have disabled this function, please check the HDD status regularly, to make sure the HDD is not full.

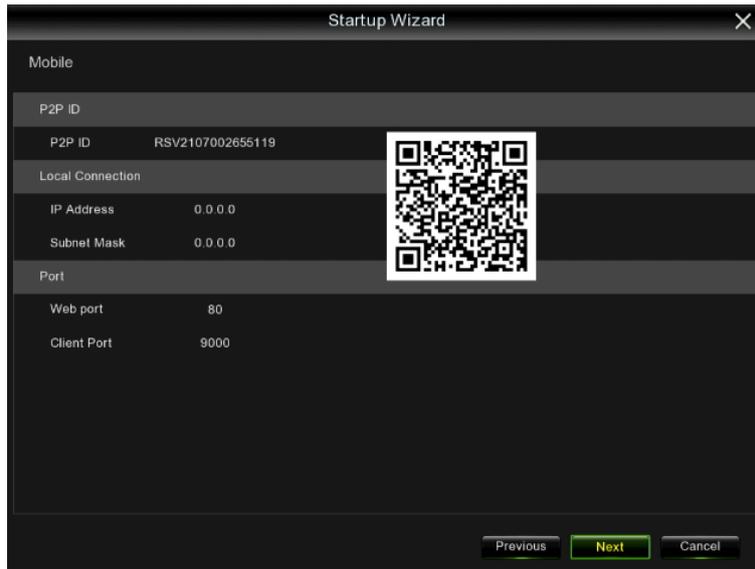
### 3.1.5 RESOLUTION

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



### 3.1.6 MOBILE

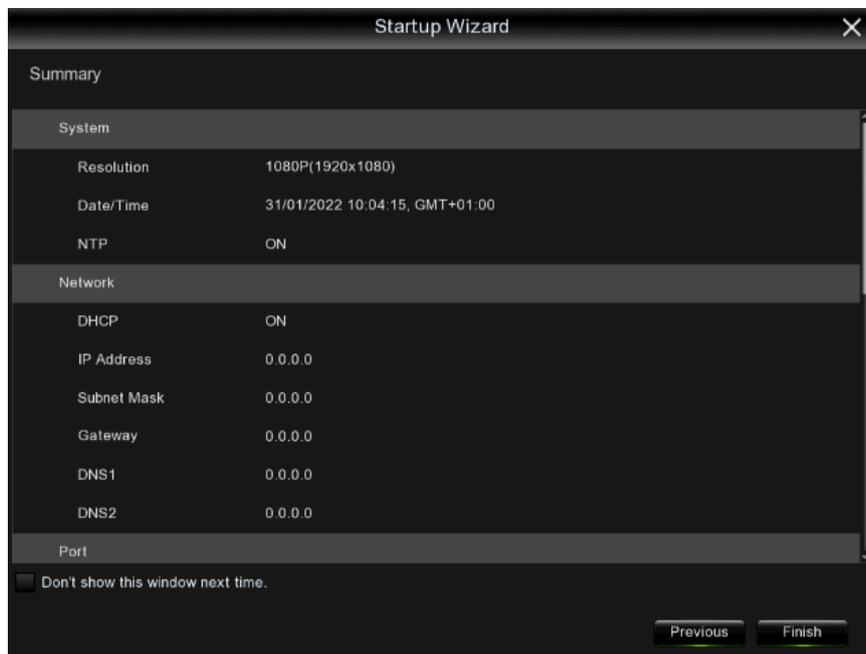
If your WIRELESS NVR come with a P2P ID, you can scan the QR code with your mobile app to view the WIRELESS NVR remotely.

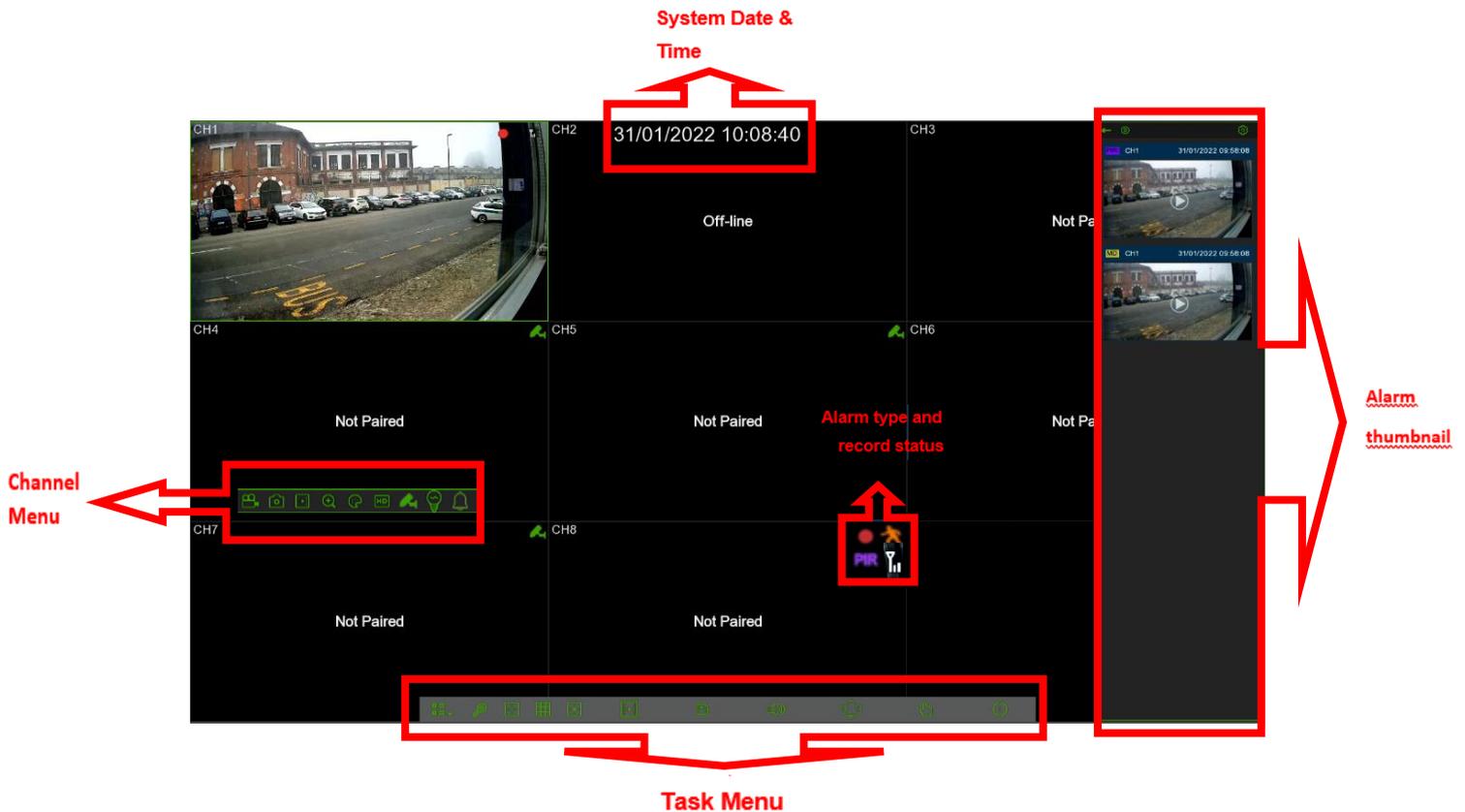


### 3.1.7 SUMMARY

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.





#### Status Icons

- This indicates that the WIRELESS NVR is currently recording.
- This icon appears when the camera has detected PIR.
- This icon appears when the camera has detected motion.
- 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.
- Hard disk not found.
- This icon indicates that the hard disk is read-only.
- Quality wireless signal

**Off -line:** The analog camera is disconnected.

**No Camera:** There is no IP camera connected.

#### 3.2.1 CAMERA QUICK TOOLBAR

In live viewing, click the left button of your mouse on a connected camera to display the Camera Quick Toolbar.



- Click to manually record the channel immediately. If the manual recording is in process, the icon will be in red color. Click one more time to stop manual record.
- Click to save a snapshot of the current camera image.
- Click to play the latest 5 minutes record of the channel.
- Click to zoom-in the channel. Scroll the mouse wheel to zoom the screen. Press and hold the left button of your mouse to drag the area

-  Click to adjust the image color of the channel. You can adjust the HUE, BRIGHT, CONTRAST & SATURATION of the image.
-   To switch the live view video stream between HD & SD. HD is mainstream live view, SD is substream live view.
-  Click to turn on white light.
-  Click to turn on the speaker.
-  Click to pair with the camera.
-  Tag. Click to add a tag.

### 3.2.2 TASKBAR



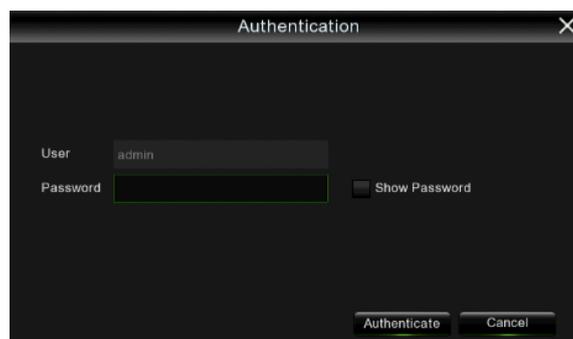
-  Click to open the Start Menu.
-  Click to choose different layout for live view.
-  Click to choose more layouts for love view.
-  Fast playback. You can choose to play recording of all channels from the beginning of the day. You can also click the triangle button on the lower right to start playing from the latest 5s, 10s, 30s, 1Min or 5Min.
-  Click to adjust the volume.
-  The network is not connected.
-  This icon will appear if the network is disconnected.
-  The network is connected successfully.
-  Click to turn on all white lights and speakers.
-  Click to start or stop manual recording and manual alarm.
-  Check the system information, channel information, recording information and network status.

#### 3.2.2.1 Shutdown

-  Click the **Shutdown** button from taskbar, and then choose the action to be performed. Click **OK** button, the system will require to input the Admin password to authenticate.

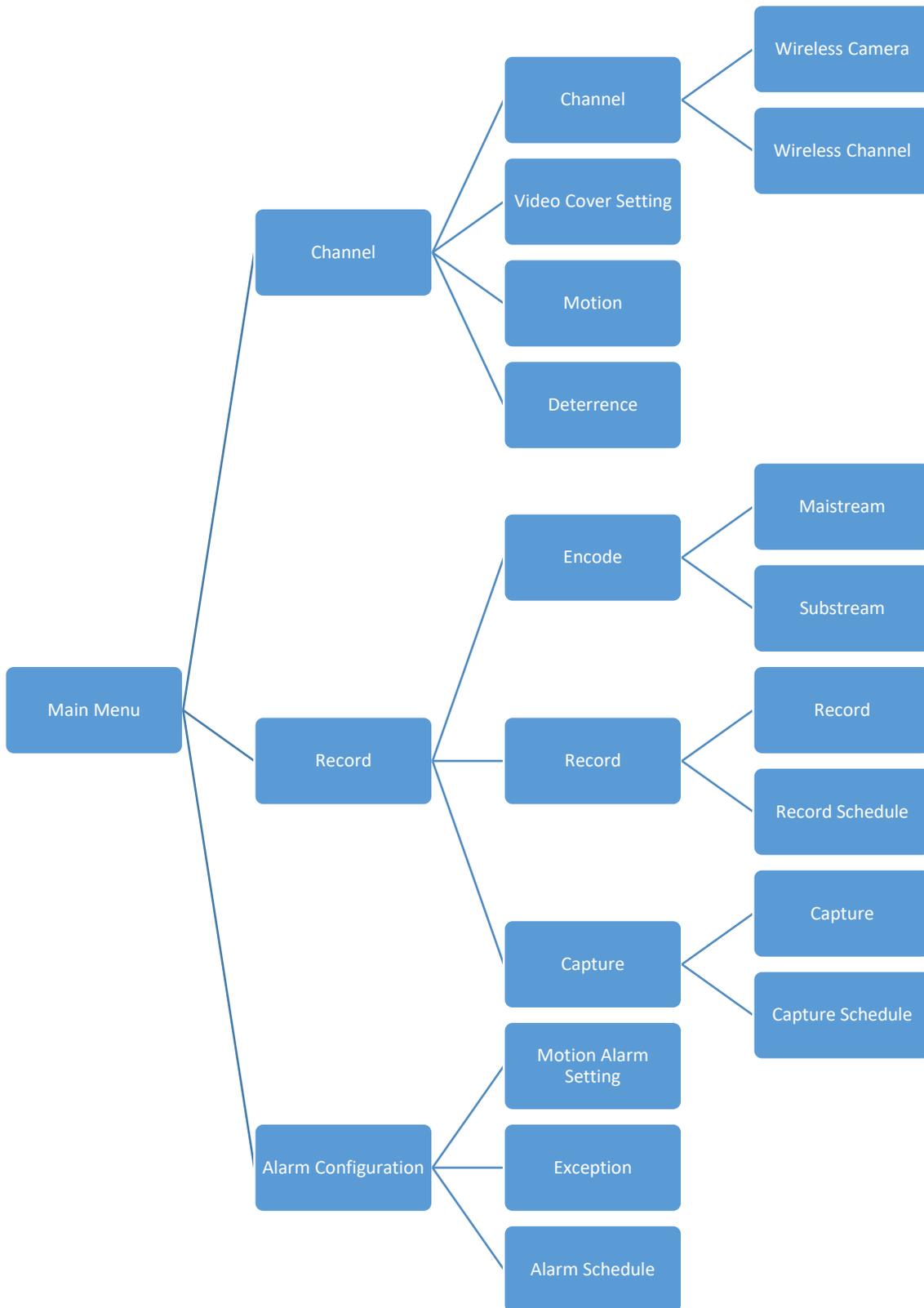


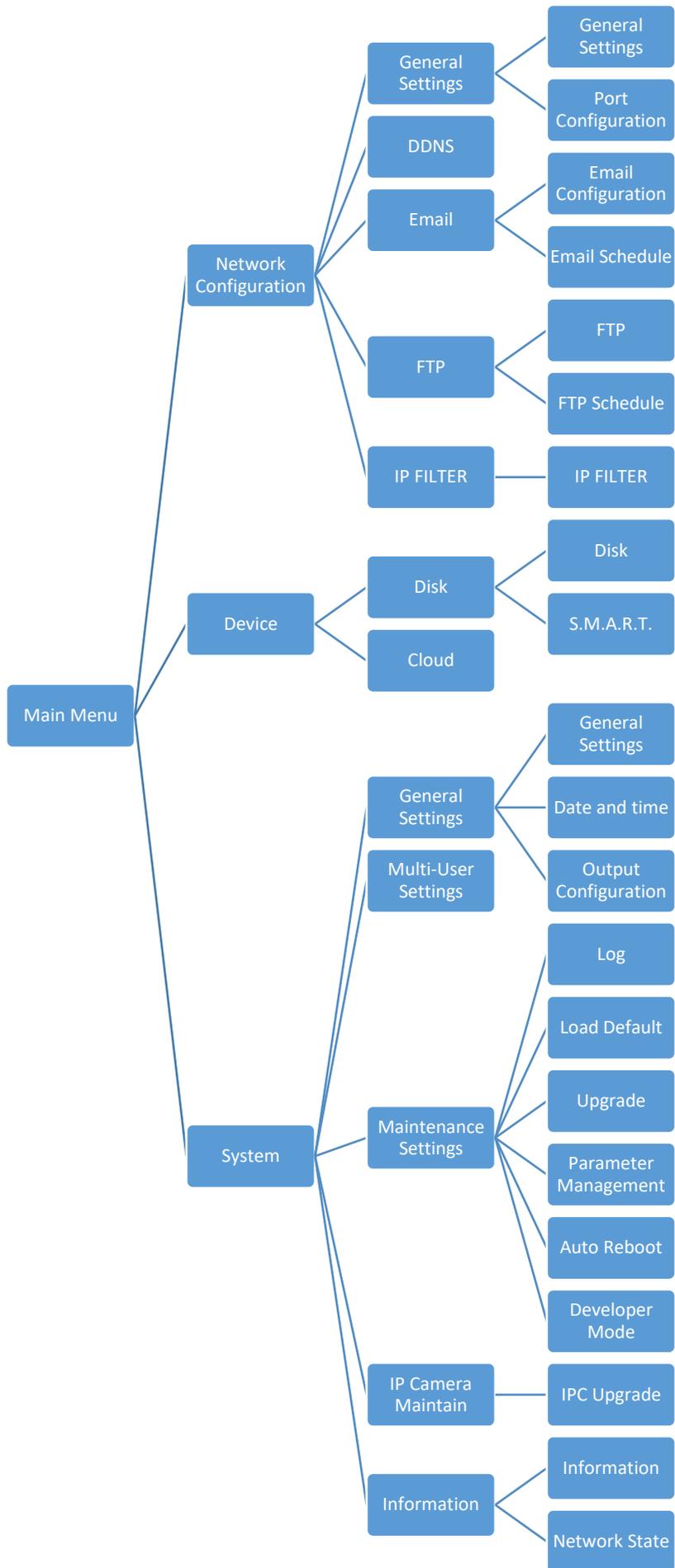
If you choose **Logout** the system, the live viewing screen will be disappeared. You will need to login the system for further operations.



## 4 GUIDE TO THE MAIN MENU

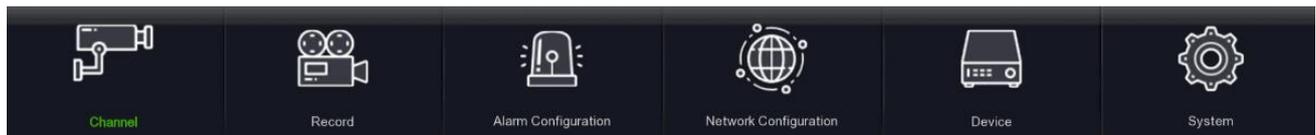
After the system has initialised, right-click on the main interface to access the pop-up menu. At this point, you can set parameters and select Main Menu, Multi-Pics, Stream Switch, Preview Policy, Playback, Mute, Start Sequence, Shutdown, etc.





## 4.1 NVR SYSTEM SETUP

You are able to configure the Channel, Record, Alarm, Network, Device & System parameters from **Taskbar (Start menu) -> Setup**.

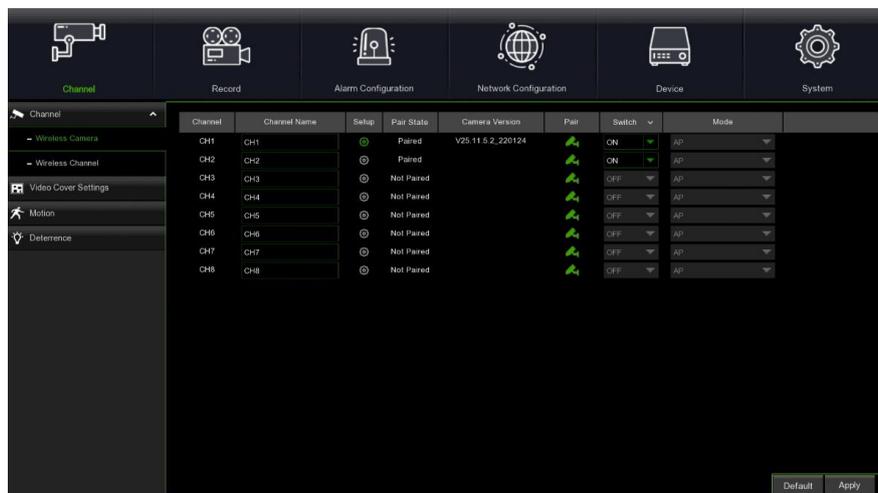


## 4.2 CHANNEL

In this section, you are allowed to configure the Wireless camera, live viewing display, pairing, IP camera's image adjustment, MESH mode switch setting and so on.

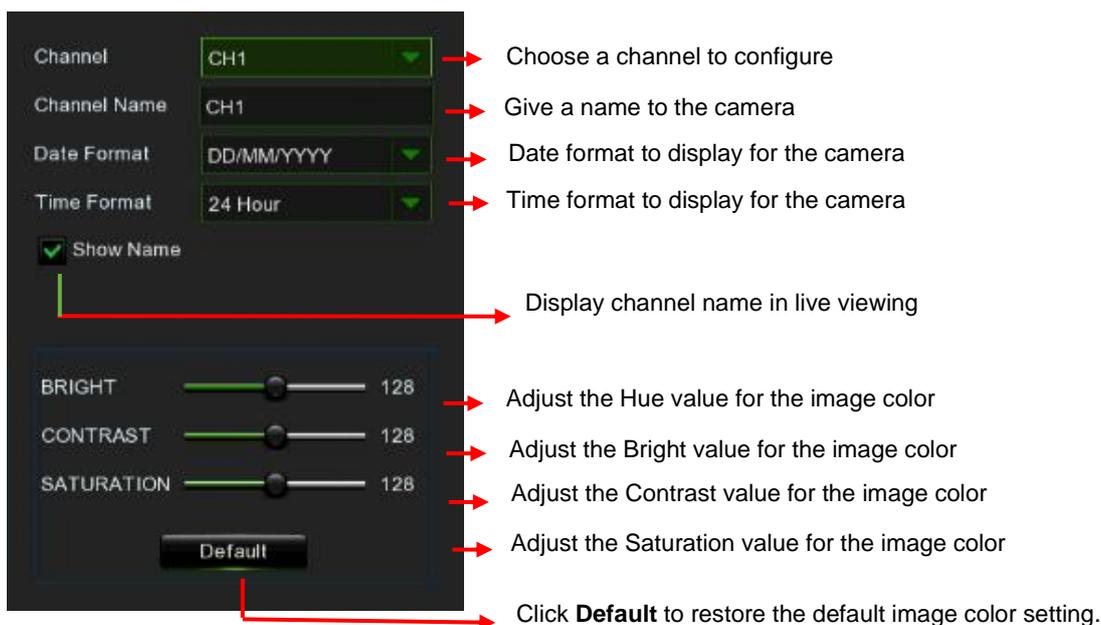
### 4.2.1 CHANNEL

#### 4.2.1.1 Wireless Camera



**Channel Name:** Set up channel name.

**Setup :** Click  icon and enter into the setup page.



**Pair State :** Display pairing status --- paired/unpaired.

**Camera version:** Camera firmware Version.

**Pair:** Click the pairing button on the interface, and then click the camera's pairing button to do pairing.

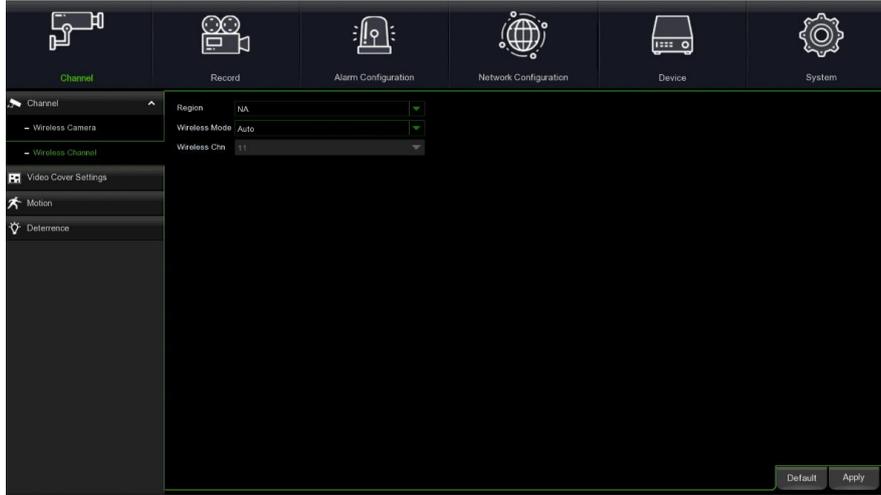
**Switch:** Choose OFF to unbind the NVR and the camera.

**Mode:** The mode that camera communicates with NVR.

AP --- The camera connects to the NVR's own routing WiFi, through which the camera communicates with the NVR.

STA --- The connection between the camera and the NVR is through the same LAN router network communication.

#### 4.2.1.2 Wireless Channel



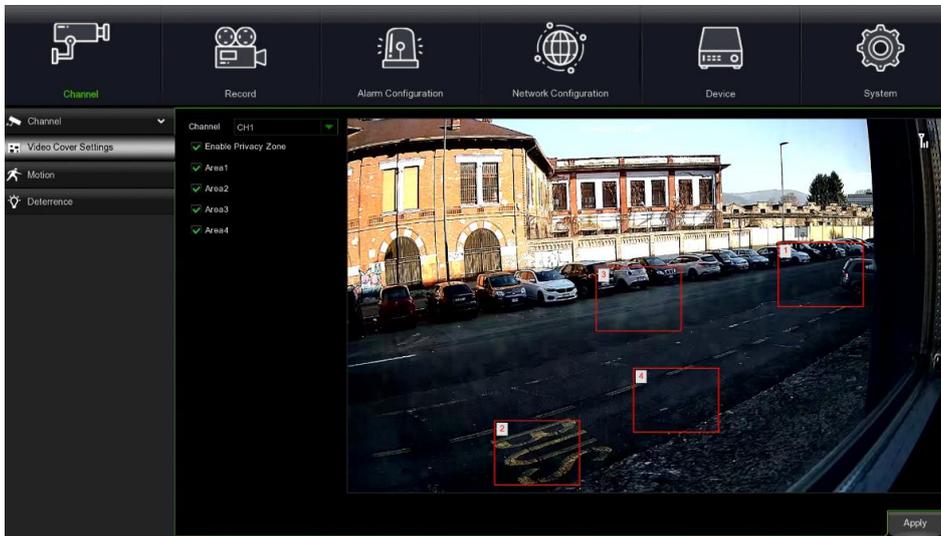
**Region:** NA/UK/MKK depends on the region.

**Wireless Mode:** Auto and Manual can be selected.

**Wireless Chn:** Wireless channel. It can be set up only when Manual Wireless Mode is selected.

#### 4.2.2 VIDEO COVER SETTINGS (PRIVATE ZONE)

This menu allows you to create privacy zone(s) if you want to partially cover some certain part of the image. You can create up to 4 privacy zones in any size and location on the camera image. Enable the Privacy Zone, and choose how many private zones you need. The private zone will display as a red frame. Click the edge of the red frame and drag it to any size to create a private zone.



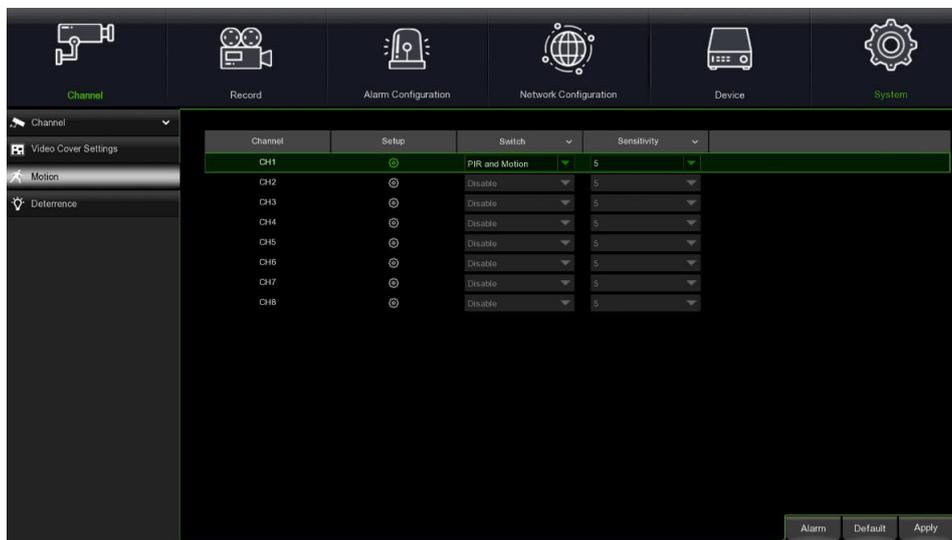
**Enable Private Zone:** Enable or close private zone. If you enable it, the private zone can be covered, and it will not be displayed in live view.

**Area:** Four private zones can be set up at most in the area map. The four areas can be moved, stretched, and click apply to save.

**Note:** The area of privacy zones you had set will be invisible in both live view & recording video.

#### 4.2.3 MOTION DETECTION

This menu allows you to configure motion parameters. When motion has been detected by one or more cameras, your WIRELESS NVR will alert you to a potential threat at your home. It does this by sending you an email alert with an attached image from the camera to use as a reference (if this option is enabled) and sending push notifications via the mobile app.

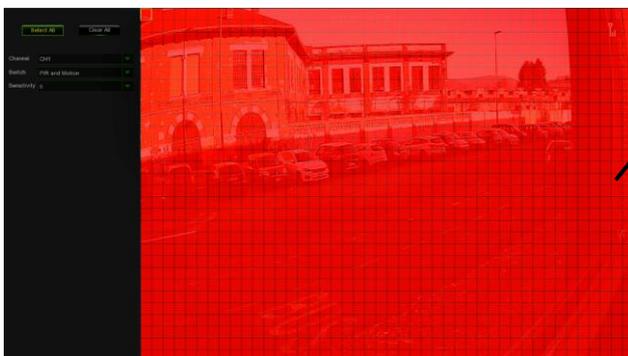


**Switch:** Enable or disable Motion Detection.

**Sensitivity:** Set the sensitivity level. Level 1 is the lowest sensitivity level while level 8 is the highest sensitivity level.

**Deterrence:** Turn on or turn off the associated white light warning.

**Setup:** Click  icon to enter the setup interface.



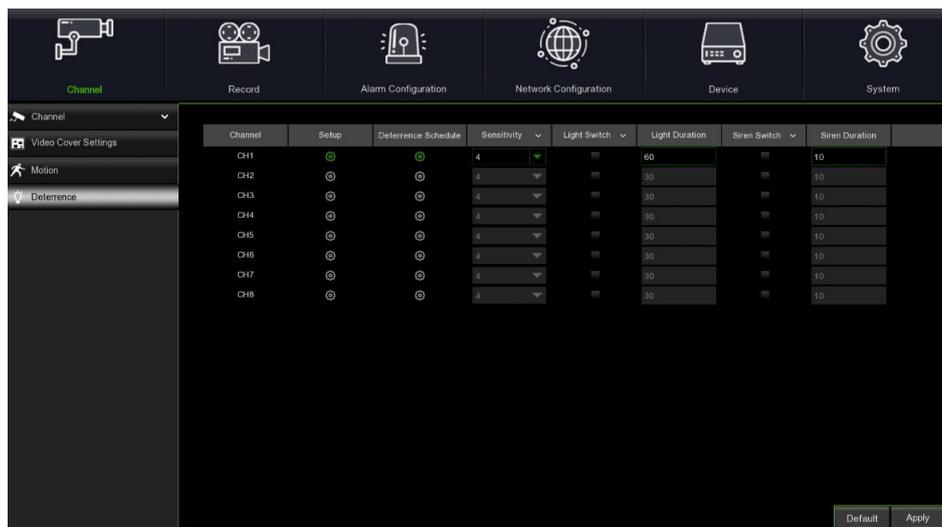
#### Motion Detection Area:

Click **Select All** to set up the entire screen of the camera as the motion detection area. Click **Clear All** to clear the entire area.

If you want to edit the size of the area, please select the frame and change its position.

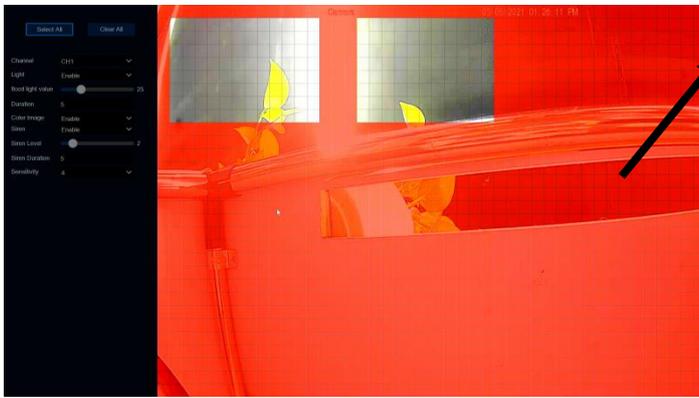
After the setting is complete, click the right mouse button to return, and then click "**Apply (save)**" to make the regional settings take effect.

## 4.2.4 DETERRENCE



**Channel:** Channel name.

**Setup:** Click icon  to enter the setup interface.



**White light Deterrence area:**

Click **Select All** to set up the entire screen of the camera as the white light deterrent area. Click **Clear All** to clear the entire area.

If you want to edit the size of the area, please select the frame and change its position.

After the setting is complete, click the right mouse button to return, and then click "**Apply (save)**" to make the regional settings take effect.

**Light Switch:** Enable or disable light warning.

**Light Level:** Adjust the brightness level of the white light.

**Light Duration:** White light duration time.

**Deterrence Mode:** Set white light mode, which contains Light Warning mode and Light Strobe mode.

**Strobe Frequency:** The strobe frequency of white light.

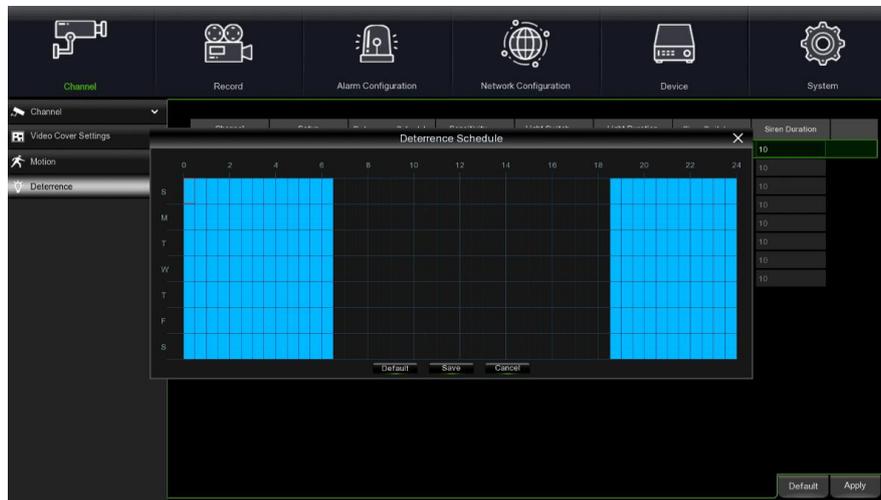
**Siren Switch:** Enable or disable siren warning.

**Siren Level:** Siren level of white light.

**Siren Duration:** White light siren duration time.

**Sensitivity:** Set sensitivity level. Level 1 is the lowest sensitivity level while level 8 is the highest sensitivity level.

**Schedule:** Click icon  to enter the setting interface.



When the schedule is marked in light blue, it means that the channel can trigger a white light deterrent alarm for the time slot.

**Default:** Restore default setup.

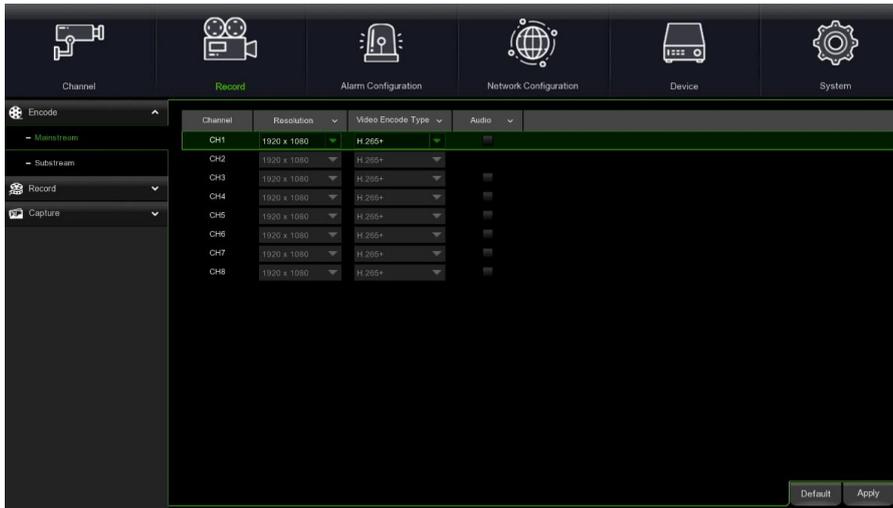
## 4.3 RECORD

This menu allows you to configure the recording parameters.

### 4.3.1 ENCODE

This menu allows you to configure the image quality of recorded video or network transmission. In general, the "main stream" is the quality of the recorded video to be saved in the HDD; the substream is the preview video quality through remote access (such as web client and CMS). Mobile bitstream defines the preview quality that can be viewed through remote access using mobile devices. In the Audio interface, you can set the connected IP camera's audio switch, the input and output volume, and the audio type.

#### 4.3.1.1 Mainstream

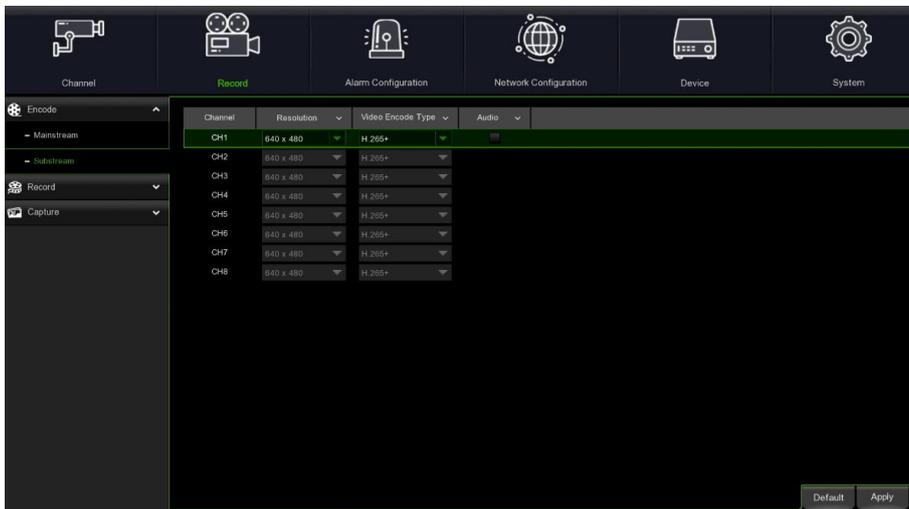


**Resolution:** The resolution of the recorded video.

**Video Encode Type:** Channel video encode type, including 264 and 265+.

**Audio:** If checked, audio synchronous recording will be supported.

#### 4.3.1.2 Substream



**Resolution:** The resolution of the recorded video.

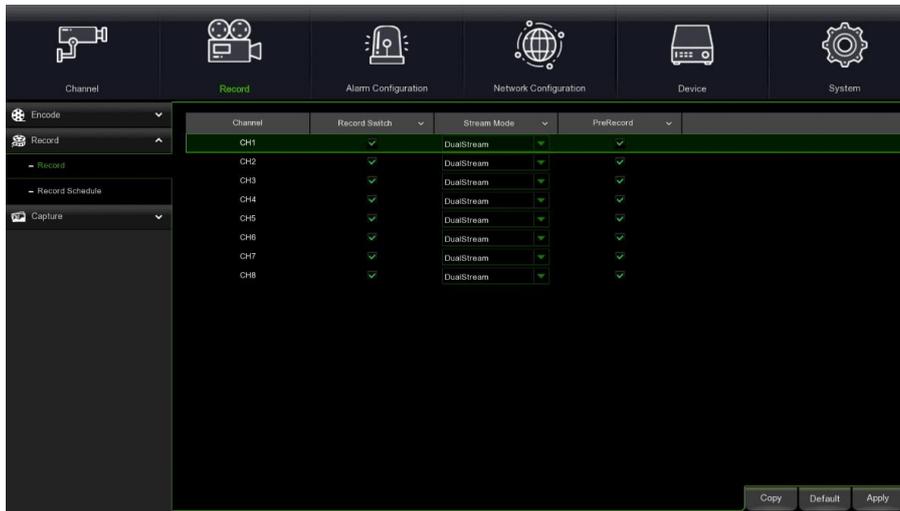
**Video Encode Type:** Channel video encode type, including 264 and 265+.

**Audio:** If checked, audio synchronous recording will be supported.

### 4.3.2 RECORD

This menu allows you to configure the recording parameters.

### 4.3.2.1 Record settings



**Record Switch:** Enable it to allow the video to be recorded.

**Stream Mode:** Choose the recording quality. If you choose Dualstream, the system will record main stream and substream at the same time; if you choose single stream, the system will only record single stream video.

**PreRecord:** If this option is enabled, the WIRELESS NVR starts recording a few seconds before an event occurs.

### 4.3.2.2 Record schedule

This menu allows you to specify when the WIRELESS NVR records video and define the recording mode for each channel. The recording schedule lets you set up a schedule like, daily (hourly) by normal (continuous) recording, PIR and motion detection recording time. To set the recording mode, click on the mode radio button (Normal, PIR and Motion Detection), then drag the cursor to mark the slots. The recording schedule is valid only for one channel. If you want to use the same recording schedule for other channels, use **Copy** function. And then click **Apply** to save.



**Channel:** Select the channel to set its recording parameter.

**Normal:** When the time slot is marked green, it indicates that the channel performs normal recording for that time slot.

**PIR and Motion:** When the time slot is marked yellow, it indicates the channel records when PIR and motion is detected during that time slot.

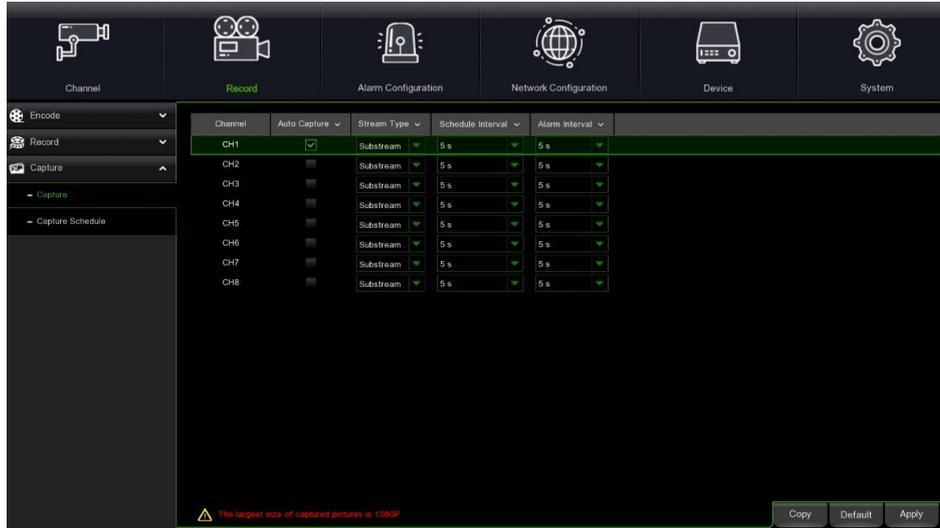
**NOTE:** To use the PIR and motion detection, you must enable and configure the parameter settings for the channel in Alarm menu.

**No Record:** Time slot marked black means that there is no recording scheduled for the time slot.

### 4.3.3 CAPTURE

This menu allows to configure the image capture function.

### 4.3.3.1 Capture



**Auto Capture:** Enable or disable automatic capturing on the channel.

**Stream Type:** Select the image resolution by mainstream or substream.

**Normal Interval:** Snapshots are captured based on normal interval.

**Alarm Interval:** Snapshots are captured based on alarm interval only when a motion is detected.

### 4.3.3.2 Capture schedule



**Channel:** Select the channel to set its snapshot capturing parameters.

**Normal:** When the time slot is marked green, it indicates the channel is capturing snapshots based on the Normal Interval.

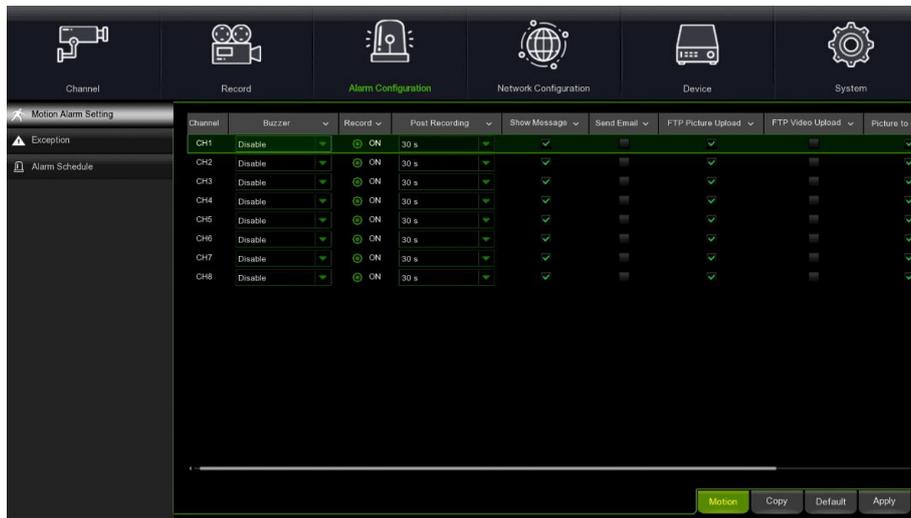
**Motion:** When the time slot is marked yellow, this indicates the channel is capturing snapshots based on Alarm Interval only when a motion is detected.

**No Capture:** A time slot marked black means that there is no snapshot capturing scheduled for the time slot.

## 4.4 ALARM CONFIGURATION

Configure the alarm parameters.

#### 4.4.1 MOTION ALARM SETTING



**Channel:** Channel name.

**Buzzer:** The NVR can use its internal buzzer to sound an alarm. You can set the buzzer duration in seconds when motion is detected.

**Record:** Click icon to choose which channel to be recorded when the motion detection is triggered.



**Post Recording:** You can set the duration of the NVR's continuous recording after the event occurs. The recommended recording time is 30 seconds, but it can be set to a maximum of 5 minutes.

**Show Message:** Check this box to display the icon on the live view display screen when motion is detected.

**Send Email:** You can have the NVR automatically send you an email when it detects motion.

**FTP Picture Upload:** After the alarm is triggered, upload the alarm picture to the FTP server.

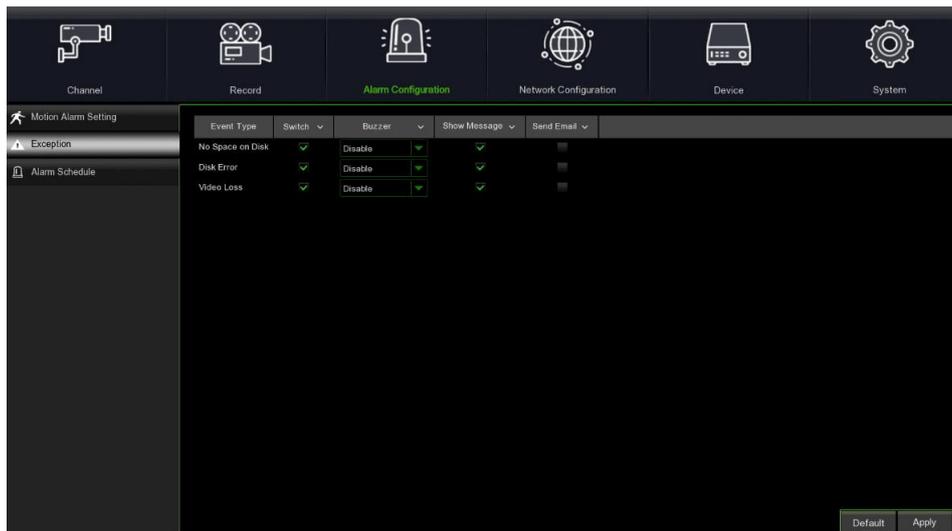
**FTP Video Upload:** After the alarm is triggered, upload the alarm video to the FTP server.

**Picture to Cloud:** After the alarm is triggered, upload the alarm picture to cloud storage.

**Video to Cloud:** After triggering the alarm, upload the alarm video to cloud storage.

**Full Screen:** If this function is enabled and a motion alarm is detected in the channel, the channel will be displayed in full screen.

#### 4.4.2 EXCEPTION (ABNORMAL ALARM)



**Event Type:** Select the event type from the options below :

- **No Space on Disk:** When an HDD is full.
- **Disk Error:** If the HDD is not detected properly.
- **Video Loss:** If a camera is not connected properly.

**Switch:** Check the box to enable the monitoring of the event.

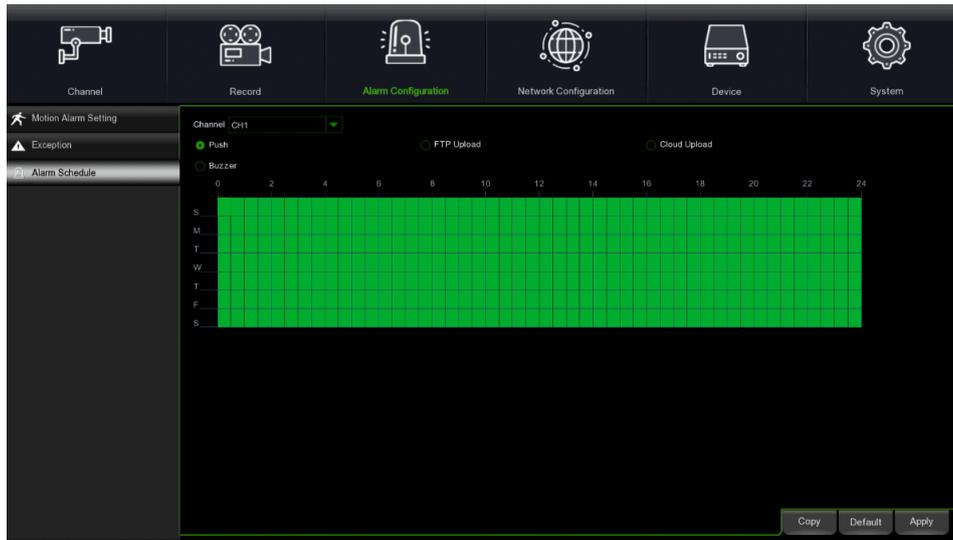
**Buzzer:** Set the buzzer duration when the event occurs (Off/10s/20s/40s/60s). To disable buzzer, select **OFF**.

**Show Message:** Check the box to display a message on the screen when No Space on Disk, Disk Error, or Video Loss event happens.

**Send Email:** Let the WIRELESS NVR to send you an auto-email when an event occurs.

#### 4.4.3 ALARM SCHEDULE

In this menu, you can set the alarm schedule for alarm output, push notification, FTP upload, cloud upload, buzzer and other functions.



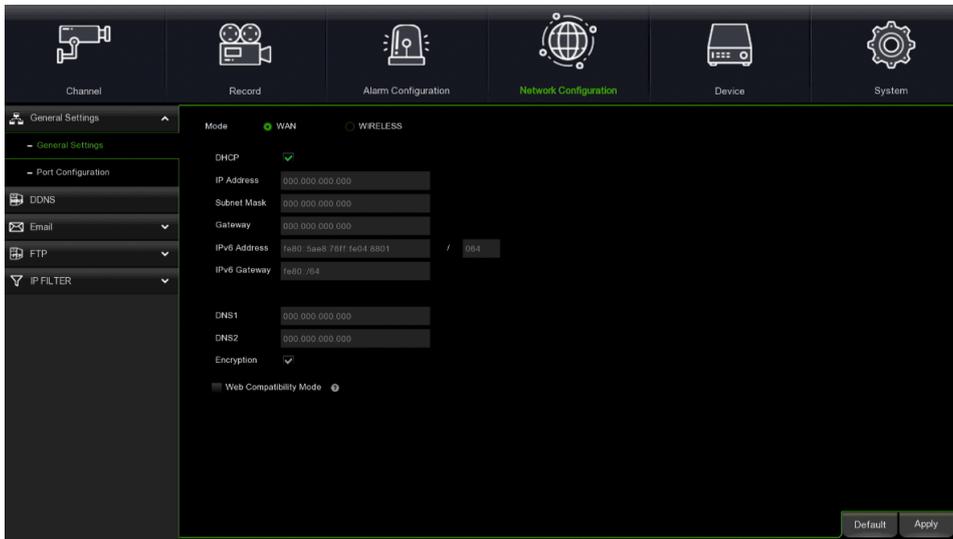
**Channel:** Select the channel and set up its capture parameters. When the time period is marked as green, it means that the function of the channel is enabled during the time period.

### 4.5 NETWORK CONFIGURATION

Through this menu, you can configure network parameters such as DHCP. The most common type is DHCP. Your network type is probably DHCP, unless the network is manually addressed.

#### 4.5.1 GENERAL SETTINGS

##### 4.5.1.1 General settings



If you connect to a router that allows to use DHCP, please check the **DHCP** box. The router will assign automatically all the network parameters for your WIRELESS NVR. Unless the network is manually addressed the following parameters:

**IP Address:** The IP address identifies the WIRELESS NVR in the network. It consists of four groups of numbers from 0 to 255, which 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".

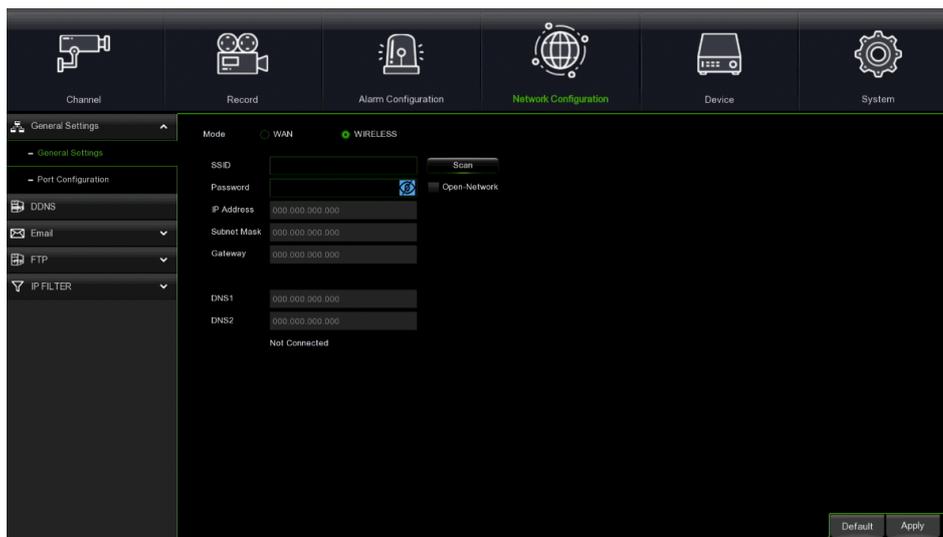
**Gateway:** This address allows the WIRELESS NVR to access the Internet. The format of the **Gateway** address is the same as the **IP Address**. For example, "192.168.001.001".

**IPv6 Address:** The IPv6 address identifies the WIRELESS NVR in the network. It consists of eight groups of letters and numbers from 0 to FFFF, which separated by colon. For example, "ABCD:EF01:2345:6789:ABCD:EF01:2345:6789".

**DNS1/DNS2:** DNS1 is the primary DNS server and DNS2 is a backup DNS server. It is usually enough just to enter the DNS1 server address.

**Web Compatibility Mode :** After enabling HTTPS, if you log in on a Win7 system computer, you need to check this option to switch to the HTTPS page.

Select wireless mode to use wireless network



**SSID/Scan:** Click **Scan** to scan for wireless networks and select the wireless network that you need; or use the soft keyboard to enter the SSID name of the wireless network in the SSID column.

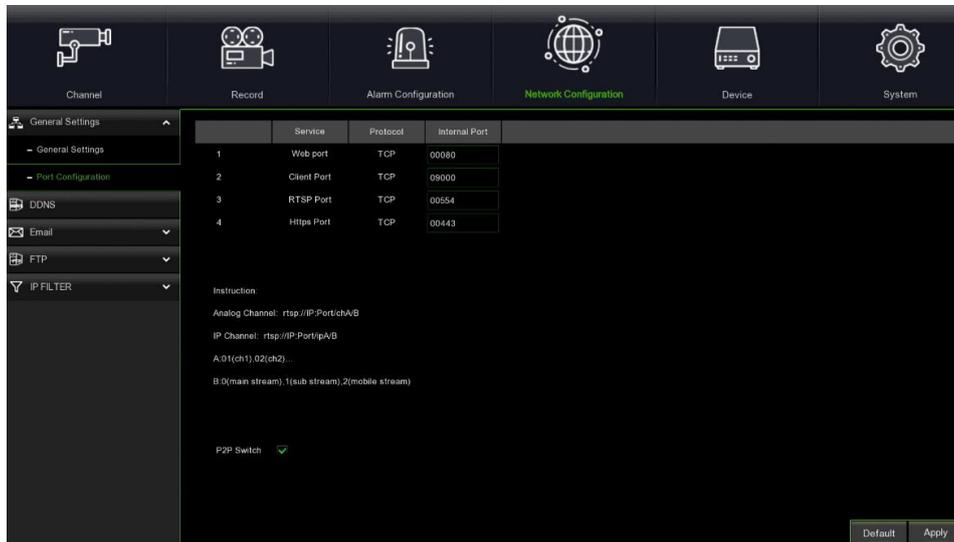
**Password :** Enter the password of the correspondent wireless network.

**Apply:** Click to enter the wireless network.

**Open-Network :** Check to connect to an open wireless network.

After successfully connecting to the wireless network, the correct IP address, subnet mask, etc. will be displayed.

#### 4.5.1.2 Port configuration



**Web Port:** This is the port that you will use to log in remotely to the WIRELESS 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 used by the NVR to send information (for example, using a mobile application). If the default port 9000 is already used by other applications, please change it.

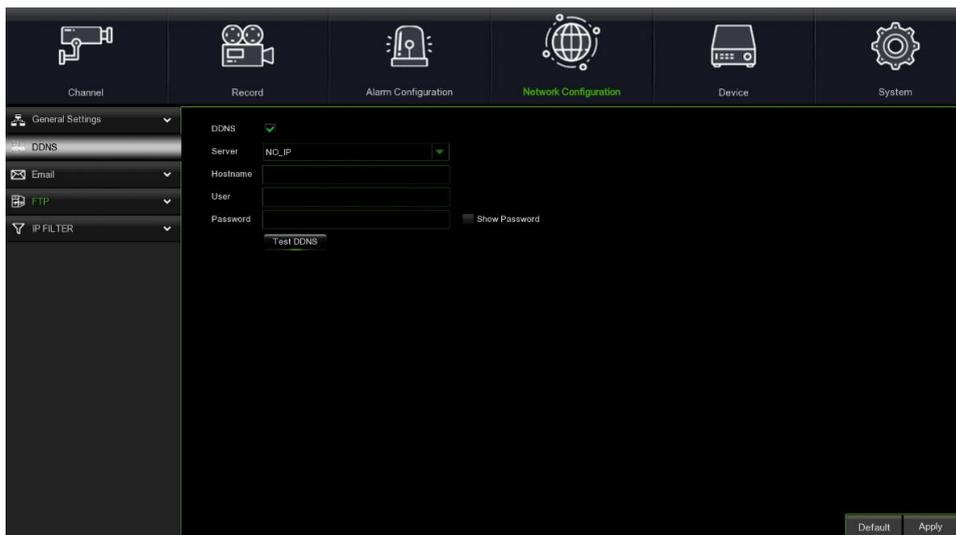
**RTSP Port:** This is the port through which the NVR is allowed to transmit the real-time stream to other device (for example, stream media player).

**Https Port:** The Https port is the web browsing port, which is mainly used for HTTPS services. It is another HTTP that provides encryption and transmission through a secure port.

**P2P Switch:** P2P switch, the P2P will take effect after it is turned off.

## 4.5.2 DDNS

This menu is used to configure DDNS settings. DDNS provides a static address to simplify the remote connection with the NVR. To use DDNS, at first, you need to open an account on the web page of the DDNS service provider.



**DDNS:** Check to enable DDNS.

**Server:** Choose your preferred DDNS server (DDNS\_3322, DYNDNS, NO\_IP, CHANGEIP, DNSEXIT).

**Domain:** Enter the domain name you created on the webpage of the DDNS service provider. This is the address you type in the URL box when you want to connect to the NVR remotely via a PC.

**User/Password:** Enter the username and password you obtained when creating an account on the webpage of the DDNS service provider.

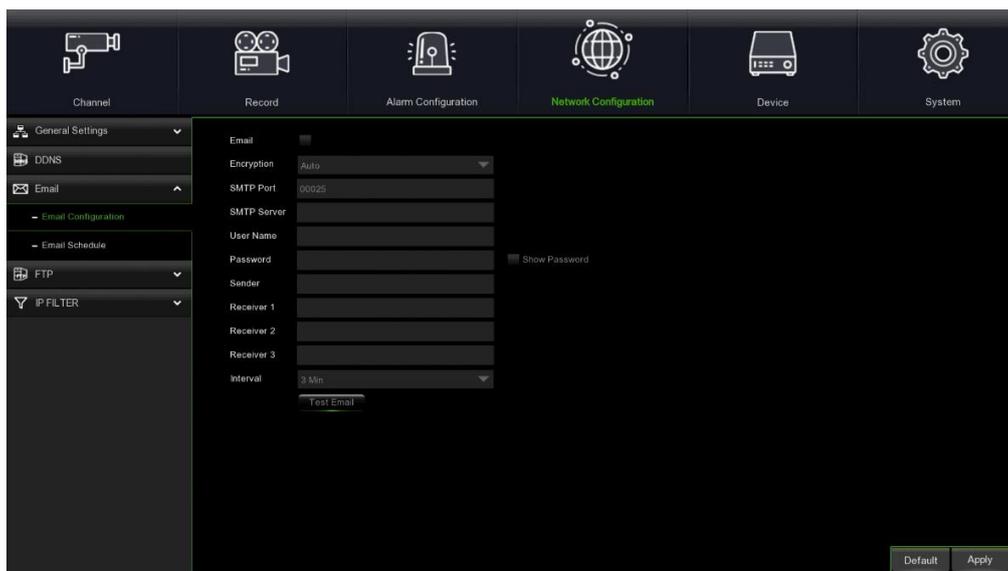
After entering all the parameters, click "**Test DDNS**" to test the DDNS settings. If the test result is "Network unreachable or DNS error", please check whether the network is normal or whether the DDNS information is correct.

After the user has applied for the dynamic domain name service, the browser can be used to remotely access the NVR through the domain name, the domain name in the form of "http://": the mapped web port number. When using the DDNS domain name to access the NVR, you need to confirm the port and the current IP can be connected normally on the public network, and the server address/host name/user name/password/settings are consistent with the settings on the NVR side.

## 4.5.3 EMAIL

This menu allows you to configure email settings. Please complete these settings if you want to receive the system notifications on your email when an alarm is triggered, HDD is full, HDD is in error state, or video loss occurs.

### 4.5.3.1 Email configuration



**Email:** Check to enable.

**Encryption:** Please enable it if your email server requires the SSL or TLS verification. If you are not sure, please set to **Auto**.

**SMTP Port:** Enter the SMTP port of your email server.

**SMTP Server:** Enter the SMTP server address of your email.

**User Name:** Enter your email address.

**Password:** Enter the password of your email.

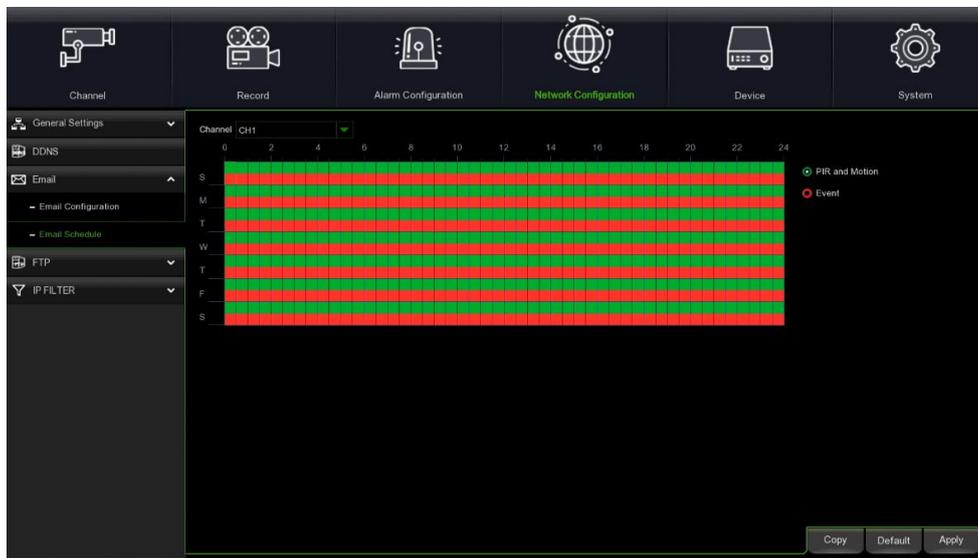
**Receiver 1-3:** Enter the email address that you want to receive the event notifications from the WIRELESS NVR.

**Interval:** Configure the length of the time interval between the notification emails from the WIRELESS NVR.

To make sure all settings are correct, click **Test Email**. The system will send an email to your inbox. If you received the test email, it means the configuration parameters are correct.

#### 4.5.3.2 Email schedule

You need to configure the schedule to fully implement the Email notification.



The color codes on email schedule have the following meanings:

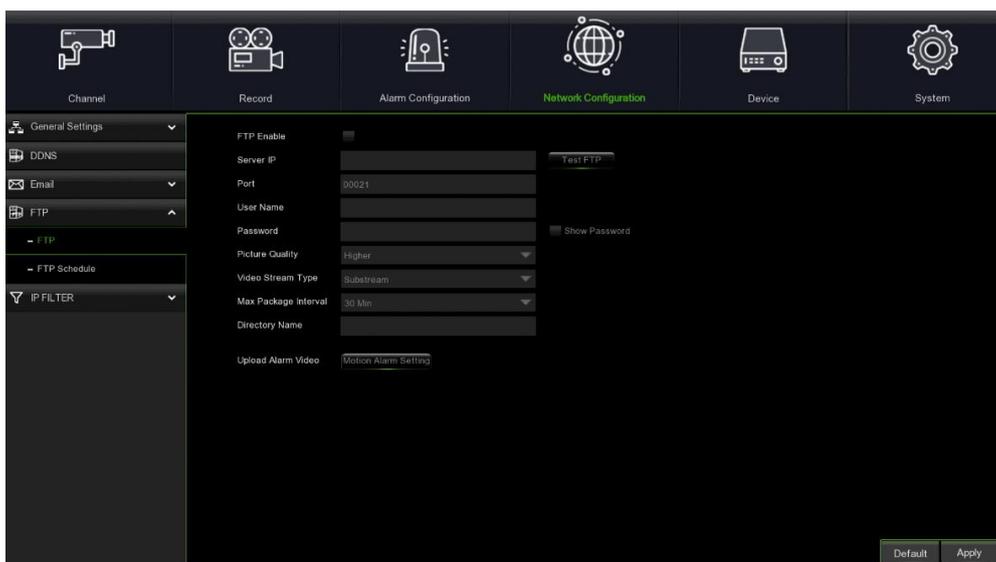
**PIR and Motion:** Green area.

**Exception:** Red area.

#### 4.5.4 FTP

##### 4.5.4.1 FTP

Through this menu, you can turn on the FTP function, and you can view the pictures and videos uploaded from the NVR to the FTP on the FTP server.



**FTP Enable:** Click to enable FTP function.

**Server IP:** Enter your FTP server IP address or domain name.

**Port:** Enter the FTP port.

**User Name/ Password:** Enter your FTP server username and password.

**Picture Resolution:** Set up the resolution of the pictures that are uploaded to the FTP.

**Picture Quality:** Set up the quality of the pictures that are uploaded to the FTP.

**Video Stream Type:** Set up the stream type of the video that is uploaded to the FTP. Main stream and substream are optional.

**Max Package Interval:** Set the maximum video time interval, that is, the maximum recording time of an event. After this time, another recording file will be created to continue recording.

**Directory Name:** Enter the default directory name for FTP file exchange.

**Upload Alarm Video:** Set the warning type the video that is uploaded to FTP. After clicking the option, you will enter the warning menu in the corresponding alarm type.

**Test FTP:** Click to test FTP settings.

#### 4.5.4.2 FTP schedule

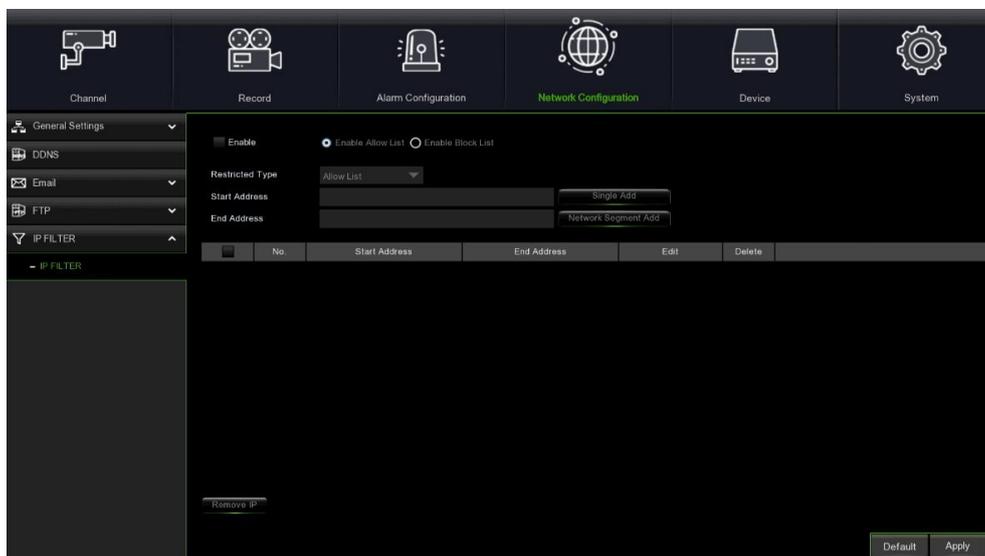


The colors on the email schedule have the following meanings:

**PIR and Motion:** Yellow area.

#### 4.5.5 IP FILTER

The IP filtering function allows you to set a black and white list, and only the IP in the white list can connect to the device.



**Enable :** Enable or disable the filtering function. After enabling it, you can choose to enable blacklist or whitelist.

**Restricted Type :** Select the list to be set (black list or white list).

**Start Address :** Enter the starting address.

**End Address :** Enter the ending address.

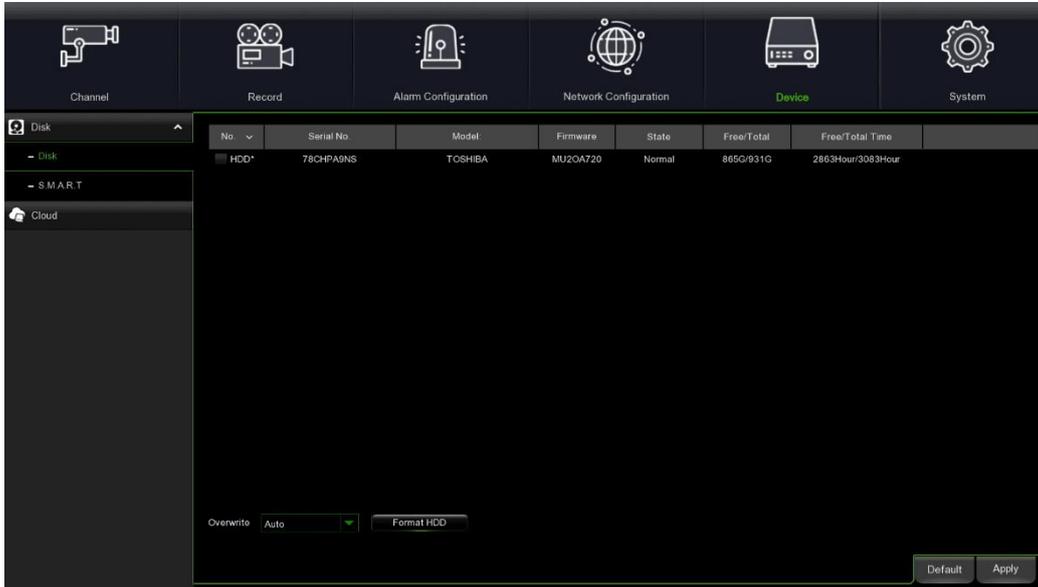
## 4.6 DEVICE

In this section, you can configure the internal HDD and Cloud function.

### 4.6.1 DISK

#### 4.6.1.1 Disk

This menu allows you to check & configure the internal HDD(s). You need to format the HDD only at the first startup and if you replace a new HDD

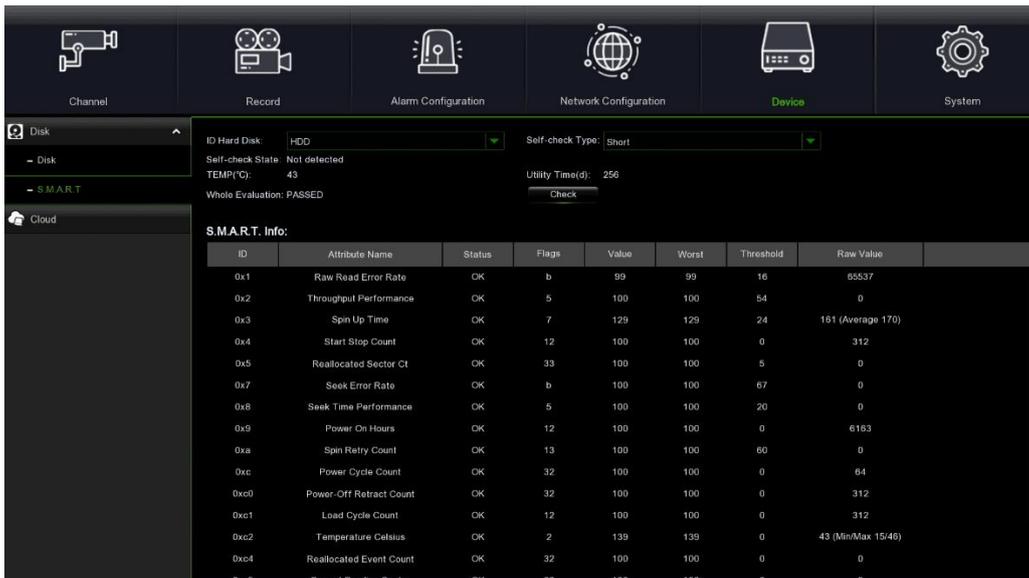


**Format HDD:** Select the HDD you want to format and then click **Format HDD**. To start formatting, you need to enter your user name and password and then click **OK** to confirm to continue formatting.

**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 **OFF**. If you have disabled this function, please check the HDD status regularly, to make sure the HDD is not full. Recording will be stopped if HDD is full.

#### 4.6.1.2 S.M.A.R.T.

This function can be used to display technical information on the hard drive installed inside your WIRELESS NVR. You can also perform a test (there are three types available) to evaluate and detect potential drive errors.



**Self-check Type:** There are three types available:

**Short:** This test verifies major components of the hard drive such as read/write heads, electronics and internal memory.

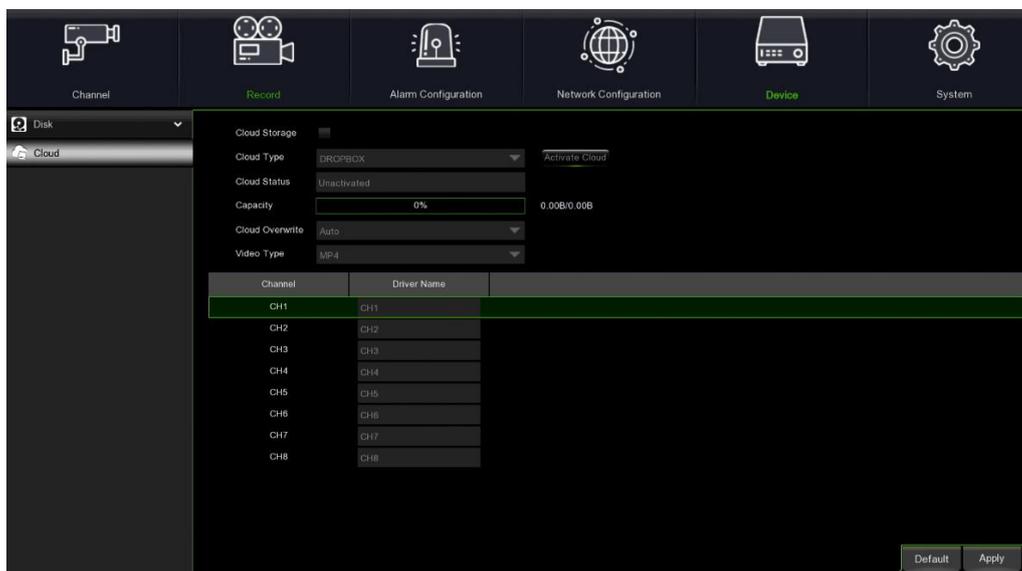
**Long:** This is a longer test that verifies the above as well as performing a surface scan to reveal problematic areas (if any) and forces bad sector relocation.

**Conveyance:** This is a very quick test that verifies whether the mechanical parts of the hard drive are working.

**Note:** When performing the test, your WIRELESS NVR will continue to work as normal. If an HDD S.M.A.R.T error are found, the HDD can be continued to use, but there will be a risk to lose recording data. It is recommended to replace a new HDD.

#### 4.6.2 CLOUD

Your NVR can upload snapshots or videos to cloud services through Dropbox/Google Drive. Dropbox/Google Drive is a free service that allows you to easily store and share snapshots.



Before enabling the cloud storage service, we recommend that you create a Dropbox account with your email username and password. After the creation is complete, log in to [www.dropbox.com](http://www.dropbox.com) , enter the email address and password, and click the login button after agreeing to the terms.

**Cloud Storage:** Check to enable this function.

**Cloud Type:** Choose the type of cloud storage, including Dropbox and Google.

**Cloud Status :** The activation status of cloud storage. Inactive: Unactivated and activated: Activated.

**Capacity :** Cloud storage capacity, the percentage bar is the percentage of cloud storage memory used, and the one on the right is the remaining capacity/total capacity.

**Cloud Overwrite:** Set cloud storage overwrite frequency.

**Video Type:** Set the format of the video that is uploaded to the cloud.

**Folder Name :** The name of the folder where the channel videos and pictures are stored.

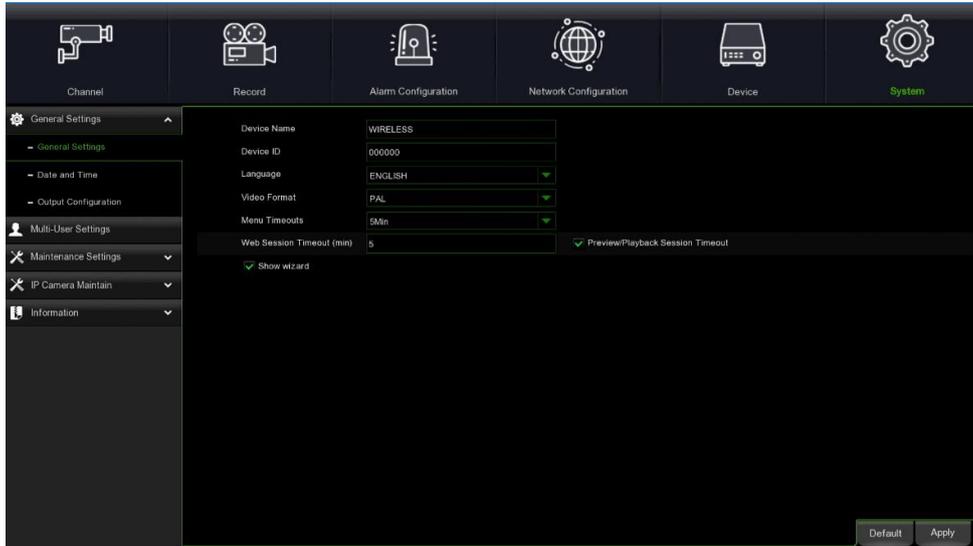
**Activate Cloud:** Click to activate the function. After a while, you will see a message on the screen: The activation link has been sent to your email (for email settings, please refer to [4.5.3.1 Email Configuration](#)). Check your email and click the link to activate. You will be redirected to the Dropbox website. Click "Allow" to complete the activation.

## 4.7 SYSTEM

Change system information, such as date, time and region, change password and permissions, etc.

### 4.7.1 GENERAL SETTINGS

#### 4.7.1.1 General Settings



**Device Name:** Enter the name for your WIRELESS NVR. The name can include both letters and numbers.

**Device ID:** Enter the desired ID for your WIRELESS NVR. The device ID is used to identify the WIRELESS NVR, and can only be composed of numbers. For example, two WIRELESS NVRs are installed in the same place, the Device ID is 000000 for one of the WIRELESS NVRs, and 111111 for another WIRELESS NVR. When you want to operate the WIRELESS NVR with a remote controller, both of the WIRELESS NVR may receive the signal from controller & act at the same time. If you want to control only the WIRELESS NVR with ID 111111, you can input the Device ID 111111 in login page with remote controller for further operations.

**Language:** Select a language you would like the system menus to be displayed in. Multiple languages are available.

**Video Format:** Select the correct video format for your region.

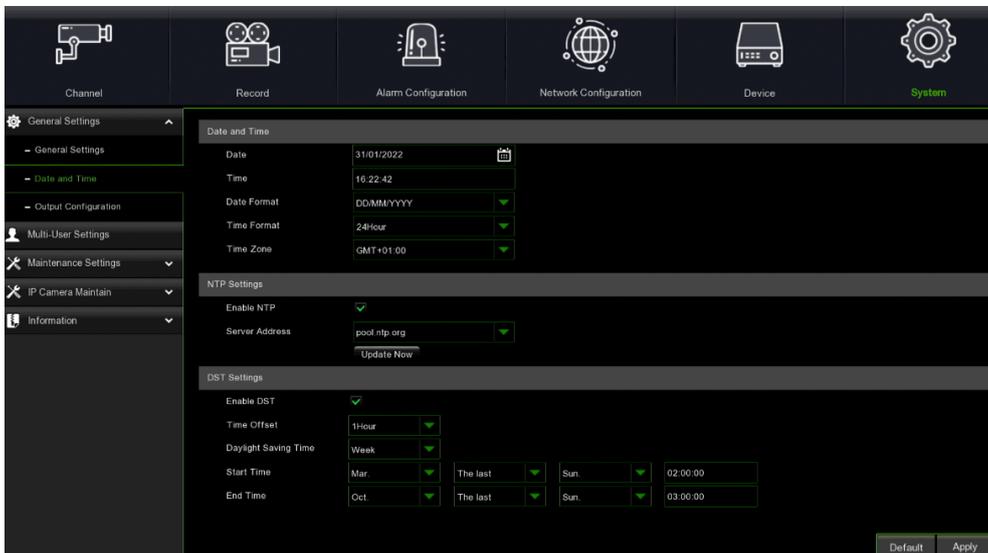
**Menu Timeouts:** Click the drop-down menu to select the time to exit the main menu when the wireless NVR is idle. The system defaults to 1 minute, and you can adjust the time to 30s, 1 minute, 2 minutes, 5 minutes, 10 minutes and close lock. You can also disable this function by selecting "OFF" (password protection will be temporarily disabled).

**Web Session Timeout (min):** The web session timeout period allows the web to communicate with the NVR within the setting time range. If the setting time is exceeded without operating the web, the web will prompt a timeout, and the communication between the web and the NVR session ends.

**Preview/Playback Session Timeout:** Web preview/playback session timeout period. This function is used in conjunction with Web Session Timeout (min).

**Show Wizard:** If you want to display the startup wizard every time you turn on or restart the NVR, please check this option.

#### 4.7.1.2 Date and Time



## Date & Time



**Date:** Click the calendar icon to change the date.

**Time:** Click the dialogue box to change the time.

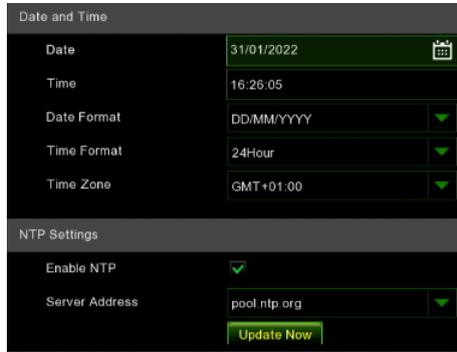
**Date Format:** Select the preferred date format.

**Time Format:** Select the preferred time format.

**Time Zone:** Select a time zone relevant to your region or city.

## NTP Settings

The NTP (Network Time Protocol) function allows your WIRELESS NVR to automatically sync its clock with a time server. This gives it the ability to constantly have an accurate time setting (your WIRELESS NVR will periodically sync automatically).



Check to enable the **NTP**, and select a **Server Address**, click **Update Now** to manually sync the date & time. Click **Apply** to save your settings.

When NTP function is enabled, system will update the system time at 00:07:50 every day or every time when the system is starting up.

## DST

### DST Settings

The DST (Daylight Saving Time) function can set different daylight saving time for different countries or regions.



**Enable DST:** If Daylight Saving applies to your time zone or region, check this option to enable.

**Time Offset:** Select the amount of time that Daylight Saving has increased by in your time zone. This refers to the difference in minutes between Coordinated Universal Time (UTC) and the local time.

**Enable DST:** You can select how Daylight Saving starts and ends:

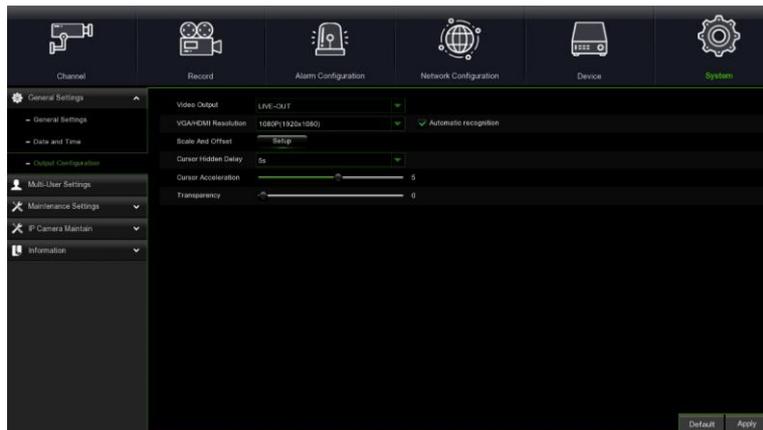
**Week:** Select the month, a particular week and time when Daylight Saving starts and ends. For example, 2:00 a.m. on the first Sunday of a particular month.

**Date:** Select the start date (click the calendar icon), end date and time when Daylight Saving starts and ends.

**Start Time / End Time:** Set the start time and end time for Daylight Saving.

### 4.7.1.3 Output configuration

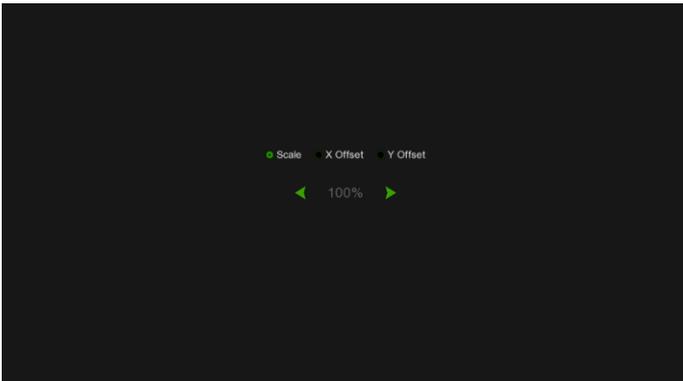
This menu allows you to configure video output parameters.



Select **LIVE-OUT** mode in the Video Output drop-down menu.

**VGA/HDMI Resolution:** Select a display resolution that is suitable for your TV. 1920 x 1080 will suit most TVs. If your WIRELESS NVR supports 4K output resolution, you can select either 2K (2560 x 1440) or 4K (3840 x 2160) to adapt to higher resolution monitors.

**Scale And Offset:** The WIRELESS NVR supports to adjust the size & position of the display screen to match your monitor or TV. Click **Setup** button to adjust.



**Scale:** To adjust the size of the displayed screen by scale.

**X Offset:** To move the displayed screen to left or right.

**Y Offset:** To move the displayed screen to up or down.

Click once or long press the left button of your mouse on the arrow to adjust the size and position, or you can scroll the wheel of the mouse to adjust. Click the right button of your mouse to exit, and click **Apply** to save your modifications.

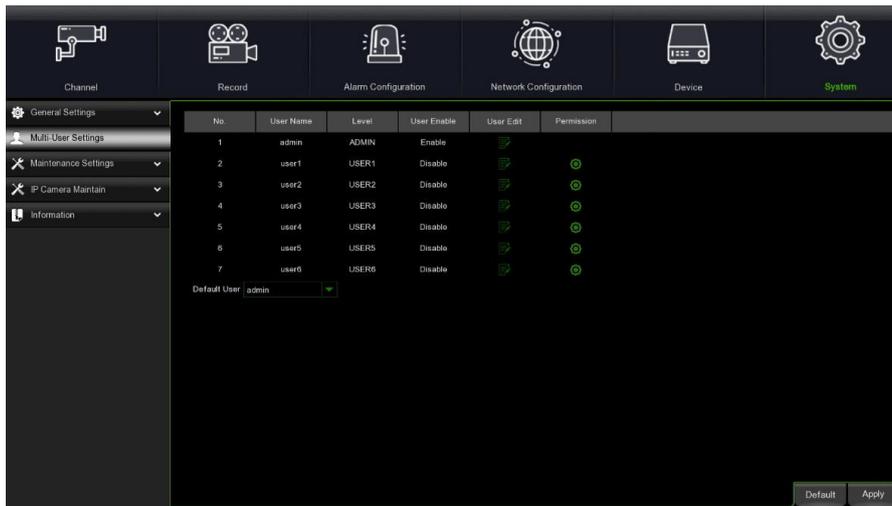
**Cursor Hidden Delay:** Click the drop-down menu to select the time your WIRELESS NVR will hide the mouse cursor when idle. You can also disable this by selecting "OFF".

**Cursor Acceleration:** To adjust the speed to move the mouse cursor.

**Transparency:** Click and hold the slider left or right to change how transparent the Menu Bar and Main Menu will appear on-screen.

## 4.7.2 MULTI-USER MANAGEMENT

This menu allows you to configure the user name, password and user permission.



The system supports the following account types:

- **ADMIN —System Administrator:** The administrator has full control of the system, and can change both administrator and user passwords and enable/disable password protection.
- **USER —Normal User:** Users only have access to live viewing, search, playback, and other functions. You may set up multiple user accounts with varying levels of access to the system.

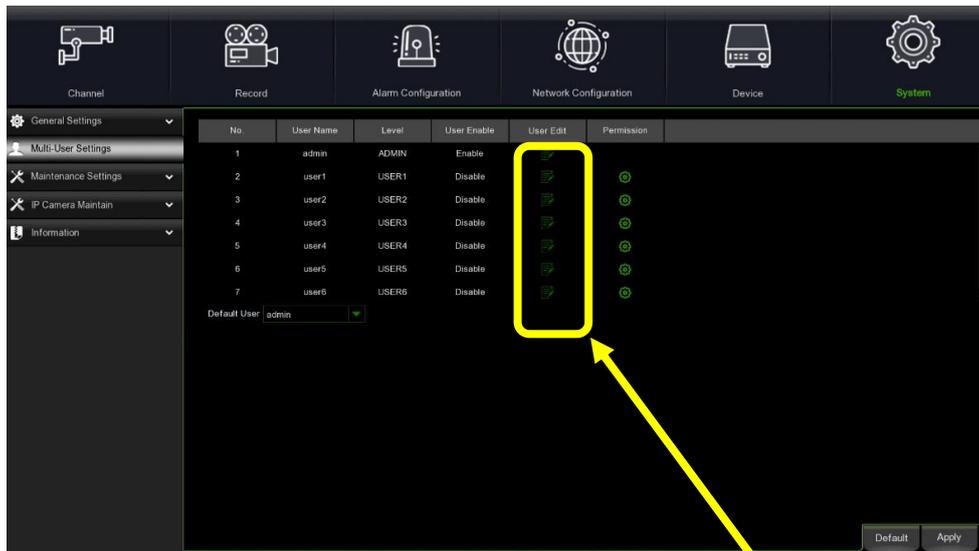
**Default User :** The default user is the default user that the NVR restarts to log in.

### 4.7.2.1 Changing password

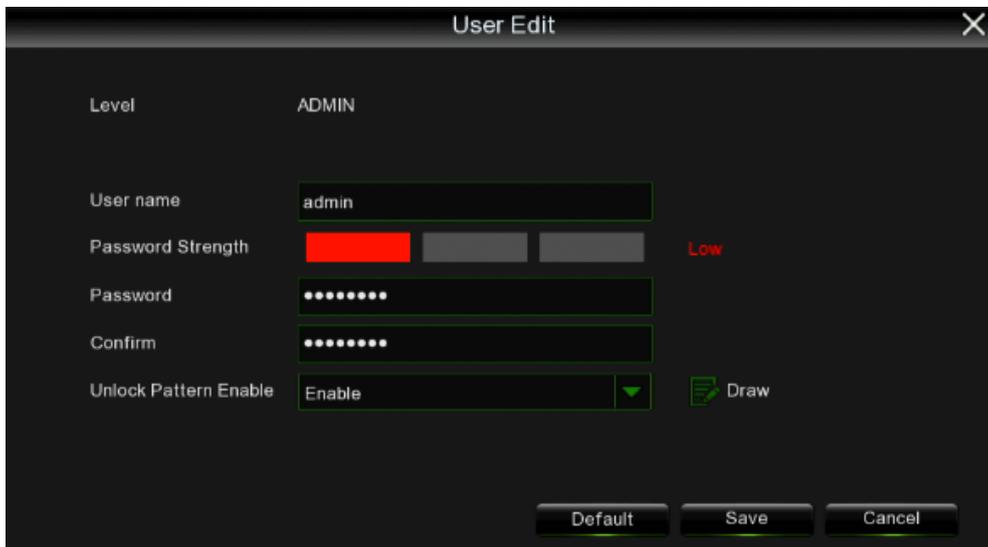
To change the password for the administrator or user accounts, click the User Edit icon . The password has to be a minimum of 5 characters and can contain a mixture of numbers and letters. Enter your new password again to confirm, and then click **Save** to save your new password. You will be required to input your old password to authenticate.



#### 4.7.2.2 Add New Users



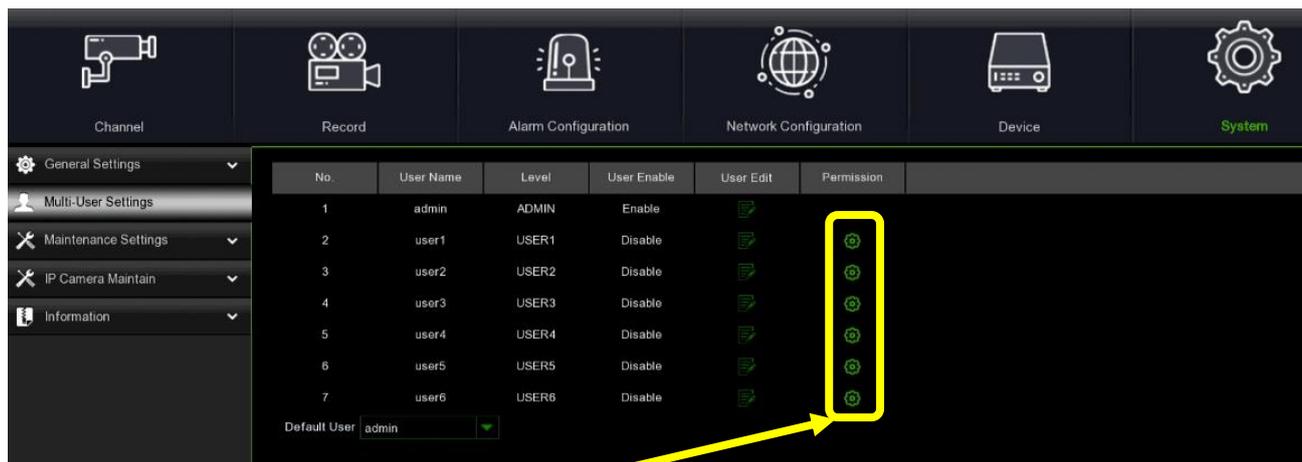
1. Select one of the user accounts that is currently disabled, click the User Edit icon



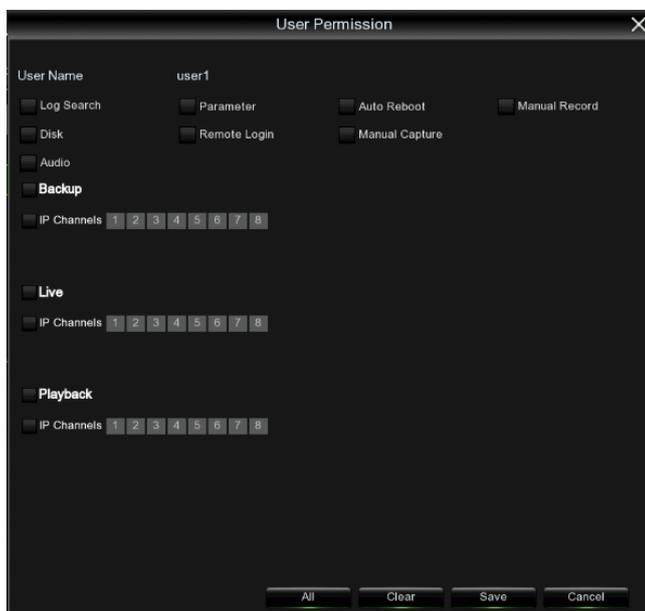
2. Select **Enable** from the “**User Enable**” drop-down menu to enable the user.
3. Click “**User Name**” to edit the user name.
4. Click **Password**: enter the password to be set.
5. Click **Confirm** and enter the password again to confirm.
6. Click **Save** and you will need to enter the administrator password for authentication.

### 4.7.2.3 Setting User Permissions

The administrator account is the only account that has full control of all system functions. You can enable or disable access to certain menus and functions of each user account.



1. Click the edit icon under Permission tab.



2. Set user permissions, check the box corresponding to the function. Click **All** to check all boxes. Click **Clear** to check none of the boxes.

User password authority setting, the administrator can choose the authority of general users according to needs.

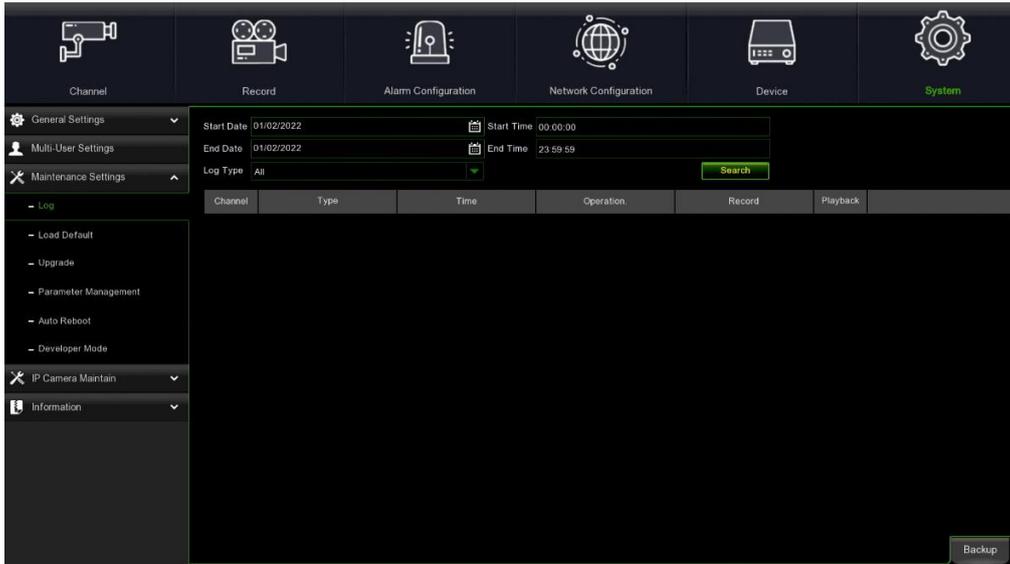
There are the following permissions to choose:

- **Log search:** All logs of the system can be viewed.
- **Parameter setting:** Parameters for all pages can be set.
- **Auto Reboot:** You can operate the system version upgrading, factory reset, device restart, device shutdown and so on to maintain the system.
- **Manual record:** Recording can be started manually and can be stopped manually.
- **Disk:** You can manage and control the operation of hard disk and U disk.
- **Remote Login:** Whether have the permission to remotely access the NVR.
- **Manual Capture:** You can manually start the screenshot and manually stop the recording.
- **Audio:** You can control channel audio and intercom.
- **Database Management:** Whether the AI database can be operated.
- **Backup:** Check enable box "√" of "**Backup**" and select the channel that can be backed up, then the ordinary users have the right to back up the video of the selected channel.
- **Live:** Check enable box "√" of "**Live**" and select the channel that can be live viewed, then the ordinary users have the right to live view the video of the selected channel.
- **Playback:** Check enable box "√" of "**Playback**" and select the channel that can be viewed, then the ordinary users have the right to playback the video of the selected channel.

3. Click **Save** to save your modification.

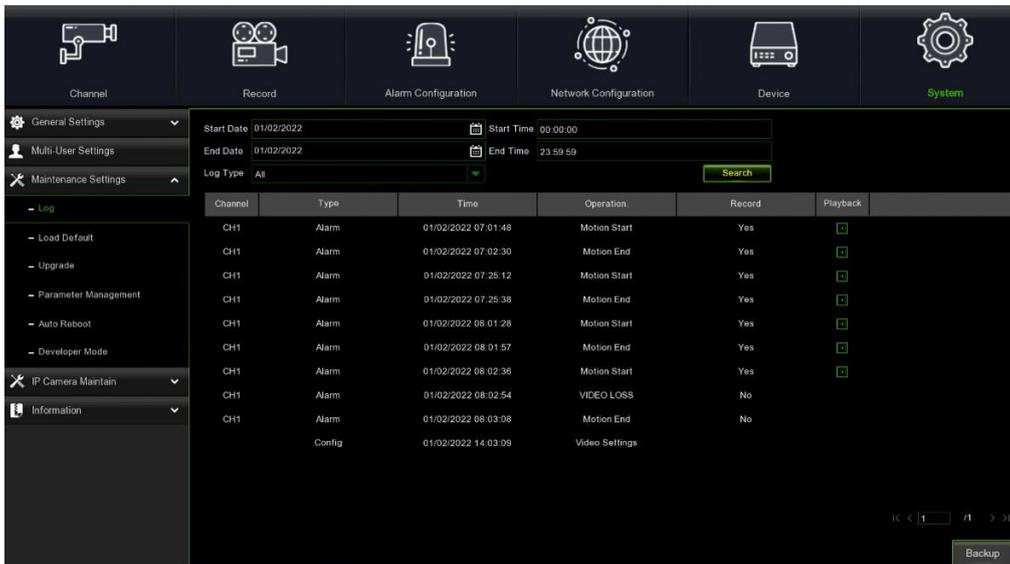
### 4.7.3 SYSTEM MAINTENANCE

In this section, you will be able to search and view the system log, restore default settings, upgrade the system, export & import system parameters and configure system auto reboot.



#### 4.7.3.1 Log

The system log shows you important system events, such as motion alarms and system warnings. You can easily create a backup file of the system log for a set time period to a USB flash drive.

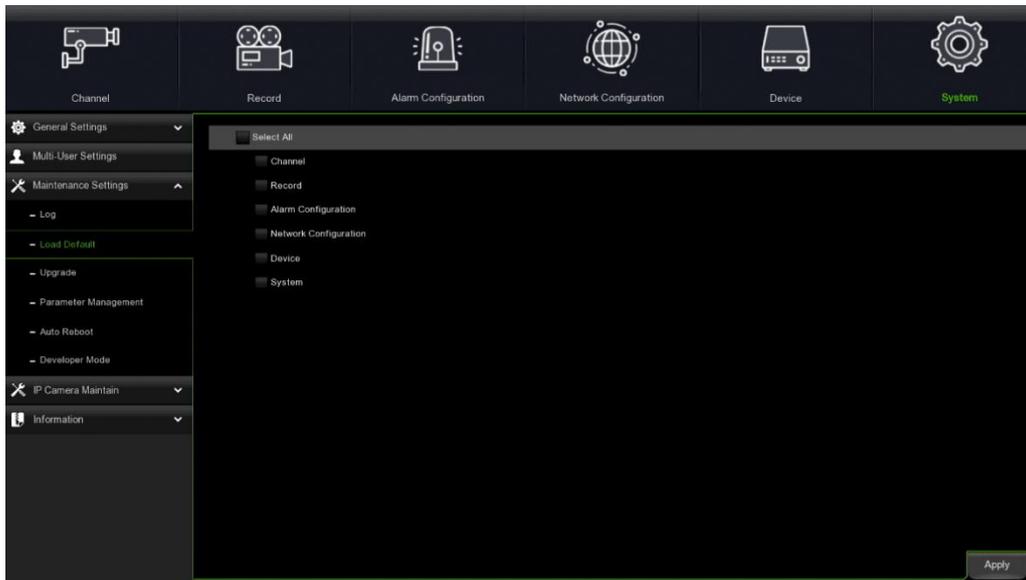


#### Log Searching and Backing Up:

1. Click the field next to **Start Date & Start Time** to choose the starting date & time for your search from the on-screen calendar.
2. Click the field next to **End Date & End Time** to choose the end date & time for your search from the on-screen calendar.
3. Select the type of events you would like to search for from the dropdown next to **Log Type**, or select **All** to see the entire system log for the selected time period.
4. Click **Search**.
5. Browse system log events from your search period:
  - Video events can be played back instantly by clicking in the **Playback** column.
  - Use the **◀ / ▶** buttons in the bottom-right corner of the menu to move between pages of system log events.
6. Click **Backup** to create a backup of the system log. Please make sure your flash drive has been connected to the WIRELESS NVR's USB port.
7. The backup drive menu appears. Navigate to the folder you want the backup file to be saved in, then click **OK** to begin.

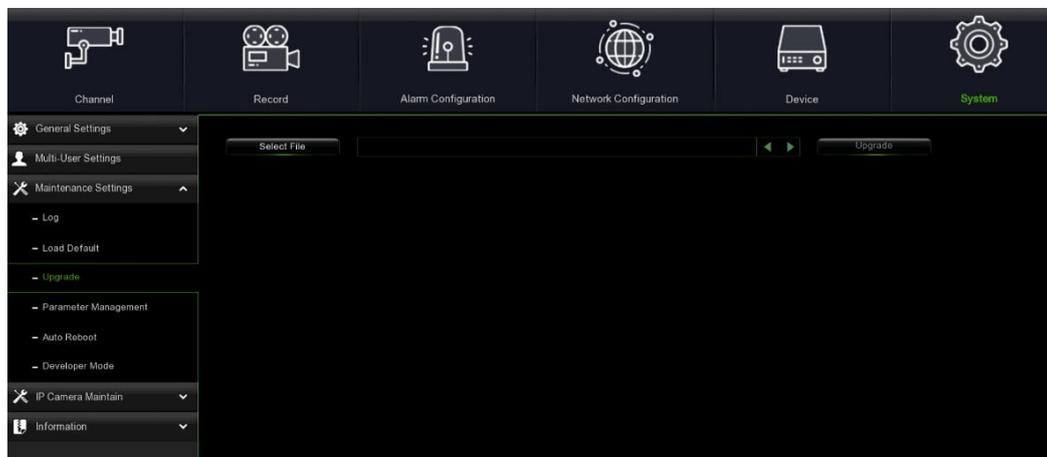
### 4.7.3.2 Load Default

Reset the WIRELESS NVR settings to its out-of-box state. You can choose to reset all settings at once, or just settings on specific menus. Restoring default settings will not delete recordings and snapshots saved to the hard drive.



Check the items you want to restore, or check **Select All** to choose all items. Click **Apply** to load default settings of your chosen items.

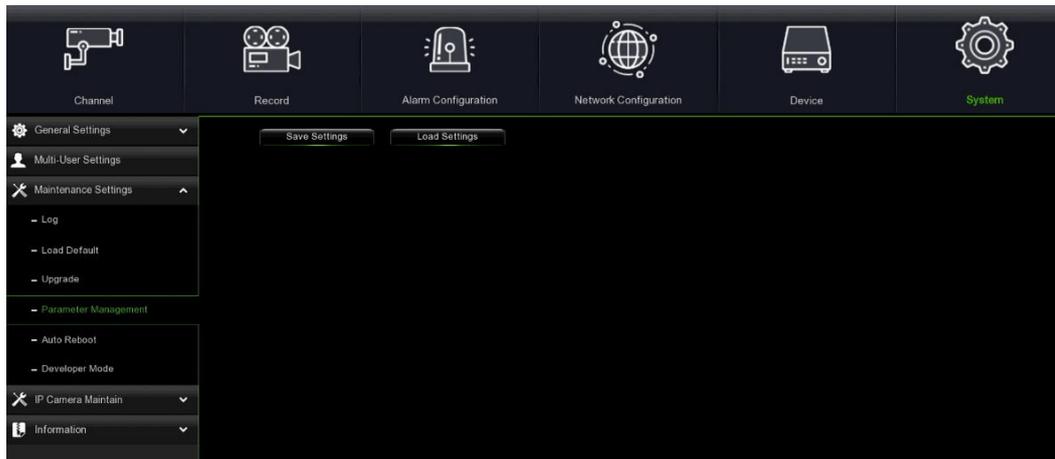
### 4.7.3.3 Upgrade



1. Copy the firmware file (.sw file) to your USB drive, and insert the USB flash drive into the WIRELESS NVR's USB port.
2. Click **Select File** button to choose the firmware file in your USB flash drive, then Click **OK**.
3. Click **Upgrade** button to start system upgrade. The system upgrade will last around 5-10 minutes, please do NOT power off the WIRELESS NVR or remove the USB from WIRELESS NVR during firmware upgrade.

#### 4.7.3.4 Parameter Management

You can export the main menu settings you have configured to a USB flash drive, or import an exported setting file from USB flash drive to the WIRELESS NVR.

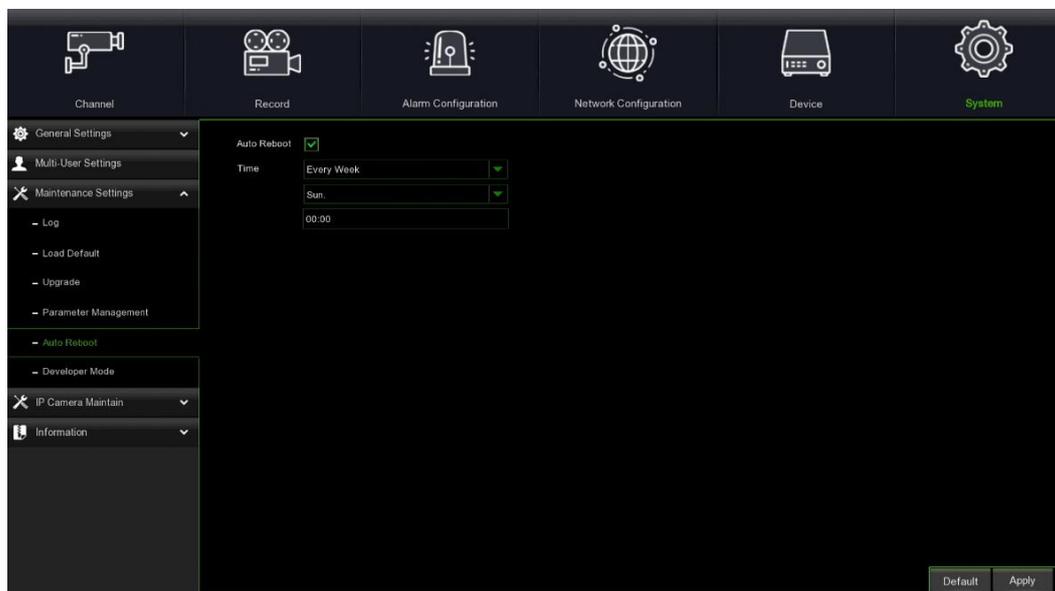


**Save Settings:** Click to save the WIRELESS NVR current system settings to the USB device. You will be required to input the Admin password to authenticate.

**Load Settings:** Once you have created a system settings export file, you can import the settings on another NVR. Click **Load Settings** button to pop up the USB flash driver menu and select the parameter file. You will be required to input the Admin password to authenticate.

#### 4.7.3.5 Auto Reboot

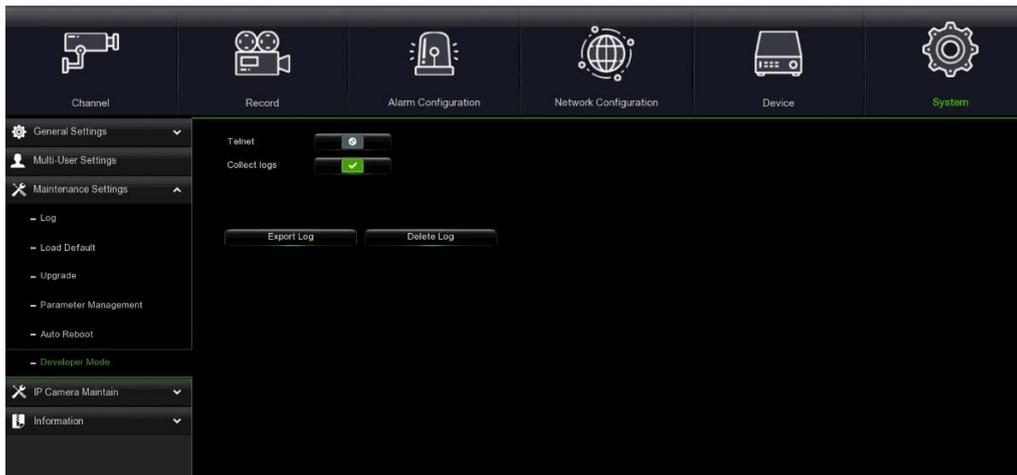
This menu allows the system to auto reboot the WIRELESS NVR regularly. It is recommended to keep this function enabled, as it maintains the operational integrity of your WIRELESS NVR.



**Auto Reboot:** Check to enable.

**Time:** You can set the WIRELESS NVR to reboot by day, week or month.

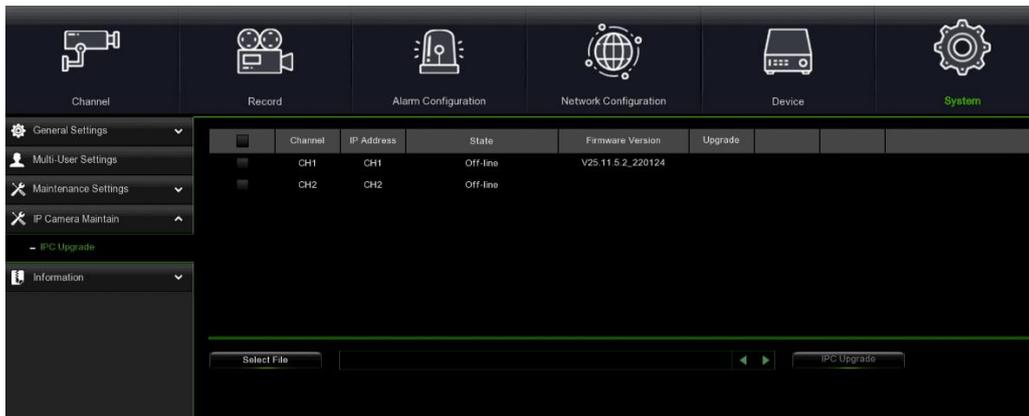
### 4.7.3.6 Developer Mode



## 4.7.4 IP CAMERA MAINTAIN

### 4.7.4.1 Upgrade

This menu allows you to upgrade the IP camera's firmware.



1. Choose one of the IP cameras you want to upgrade firmware.
2. Click **Select File** to select the update file from your USB flash drive, then click **OK**.
3. Click **IPC Upgrade** button to start upgrading. You will be required to input the Admin password to authenticate. Please do NOT power off the WIRELESS NVR and IP camera or remove the USB during the upgrading.

## 4.7.5 SYSTEM INFORMATION

This menu allows you to view the system information, channel information, record information & network status.

### 4.7.5.1 Information

View system information such as device ID, device model name, IP address, MAC address, firmware version and so on. If your WIRELESS NVR supports P2P function, you will find the P2P ID & P2P QR code in the information page. You can scan this QR code with mobile app to remote view the WIRELESS NVR.

The screenshot shows the 'System' configuration page. The left sidebar contains a menu with 'General Settings', 'Multi-User Settings', 'Maintenance Settings', 'IP Camera Maintain', 'Information', and 'Network State'. The main content area displays the following information:

Device ID	000000
Device Name	WIRELESS
Device Type	WIRELESS
Hardware Version	DM-446
Firmware Version	V8.1.0-20220124
Wireless Version	1.2.3.5
IE Client Version	V1.0.1.157
Video Format	PAL
HDD Volume	931G
IP Address	0.0.0.0
IPv6 Address	fe80::5ae8:76ff:fe04:8801 / 64
Web port	80
Client Port	9000
MAC Address	58-E8-76-04-88-01
Wireless MAC	00-4C-02-4E-00-54
Network State	not connect
P2P ID	RSV2107002655119

A QR code is displayed to the right of the device information.

#### 4.7.5.2 Network State

View network information.

The screenshot shows the 'Network State' configuration page. The left sidebar is the same as in the previous screenshot. The main content area displays a table with network configuration details:

Attribute	Value
WAN interface	
IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Gateway	0.0.0.0
MAC Address	58-E8-76-04-88-01
IPv6 Address	fe80::5ae8:76ff:fe04:8801 / 64
IPv6 Gateway	fe80::/64
DHCP	Enable
DNS1	0.0.0.0
DNS2	0.0.0.0
Port	
Web port	80
Client Port	9000
RTSP Port	554
Https Port	443

## 5 SEARCH, PLAYBACK AND BACKUP

The Search function gives you the ability to search for and play previously recorded videos as well as snapshots that are stored on your WIRELESS NVR's hard drive. You have the choice of playing video that matches your recording schedule, manual recordings or motion events only. The Backup function gives you the ability to save important events (both video and snapshots) to a USB flash drive.

### 5.1 USING SEARCH FUNCTION

Click  button in the Taskbar to enter search section.



- 1. Search Options:** the system provides various search & playback methods: General, Events, Sub-periods Playback, Intelligence, Tag, External File, Slice Playback, Picture and AI.
- 2. Search Date:** search by a date to play back.
- 3. Search Type:** the system provides different search types to narrow your search.
- 4. Channel Selection:** to choose the channels you want to search & play.
- 5. Video Playback Controls:** to control the video playback.



 Enlarge the video playback to full screen

 Rewind, x2, x4, x8 and x16

 Slow Play, 1/2, 1/4 and 1/8, 1/16 speed

 Play

 Pause

 Play frame by frame. Click once to play a frame of the video

 Stop

 Fast Forward, x2, x4, x8 and x16

 Digital Zoom: Click to zoom in then click-and-drag on a camera image during playback to zoom in on the selected area. Right-click to return to regular playback.



Video Clip. Quickly save a section of video to a USB flash drive.



Save Video Clip.



Volume Control: scroll the slider bar to increase or decrease volume.



Snapshots: to capture a snapshot image to your USB flash drive. If the video playback is in split-screen view, move the mouse cursor to the channel you want to capture, and then click the icon  to save the snapshot.

- 6. Timeline:** Continuous recordings are shown with colored bars to represent different types of recording (legend shown in the bottom-right corner of the display). Use the timeframe options () to view a smaller or larger time period.

- 7. Different types of recording shown in different colors:**

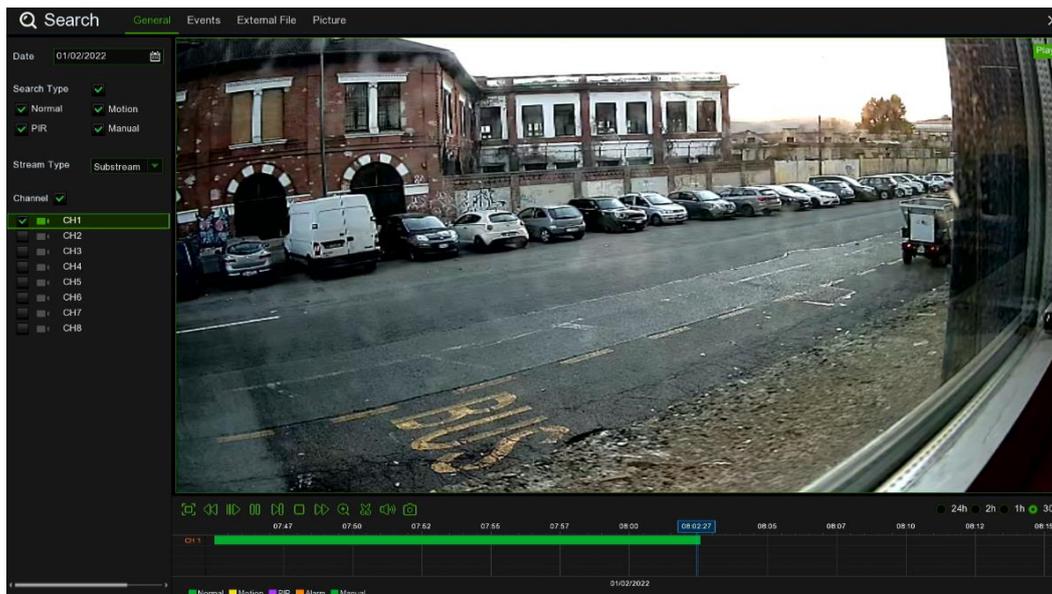


Continuous Recording in **Green** color;  
 Motion Recording in **Yellow** color;  
 PIR Recording in **Purple** color;  
 Multiple Alarm Recording in **Orange** color;  
 Manual Recording in **Dark Green** color.

- 8. Playback Status:** display the video play status.

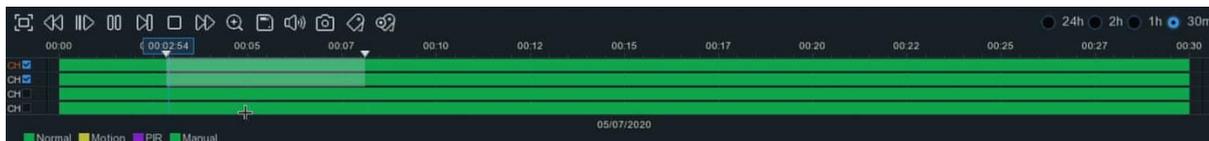
### 5.1.1 SEARCH AND PLAY VIDEO IN GENERAL

This menu gives an option to search & play recording for a selected date.

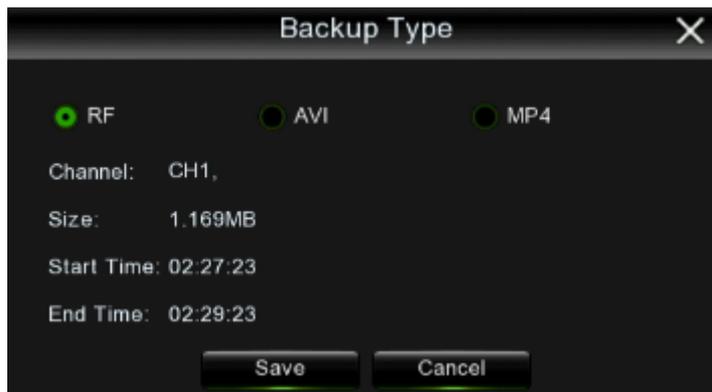


1. Click the icon  to search date from the calendar
2. Choose a **Search Type**.
3. Check Channels you would like to search, or check **Channel** to search all connected channels.
4. The search result will display on the timeline from 00:00 to 24:00.
5. Click the icon to start playback.
6. Control the playback with buttons on **Video Playback Controls**.
7. Use the timeframe options () to view a smaller or larger time period.
8. If you want to quickly save a section of video during playing back, use the **Video Clip**  backup function.

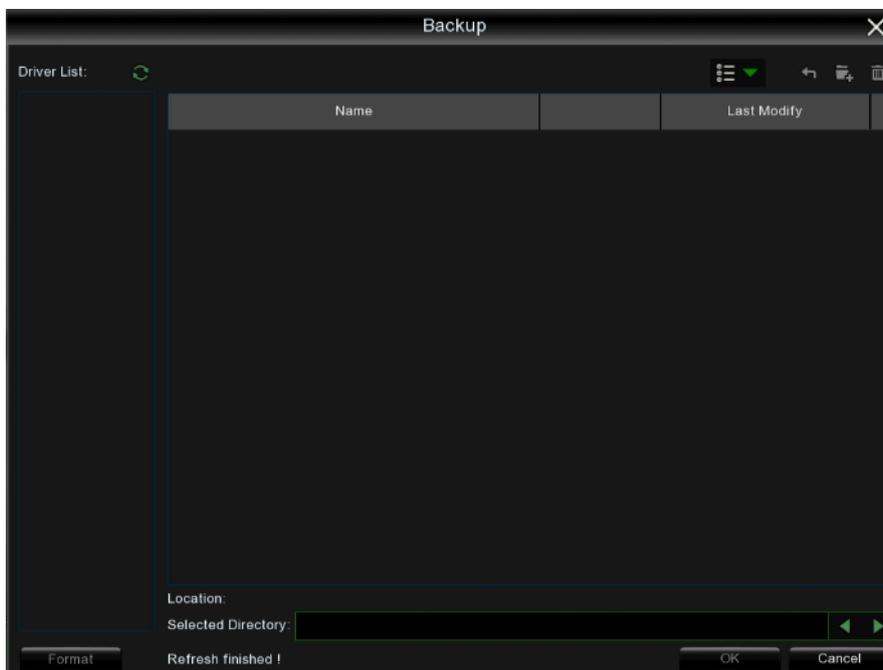
### 5.1.1.1 Video Clip Backup



1. Insert your USB flash drive to the WIRELESS NVR.
2. Start a video recording playback.
3. Click  icon.
4. Check the channel(s) you want to make a video clip backup.
5. Move the mouse cursor to the timeline where you want to start the video clip.
6. Press and hold the left button of your mouse, and drag the cursor to the timeline where you want to end the video clip.
7. The icon  has been changed to  icon, click  to save the video clip.
8. Select a file type for your backup files, click **Save** button to save the video clips. Please make sure your USB driver has enough space to save the video clips.

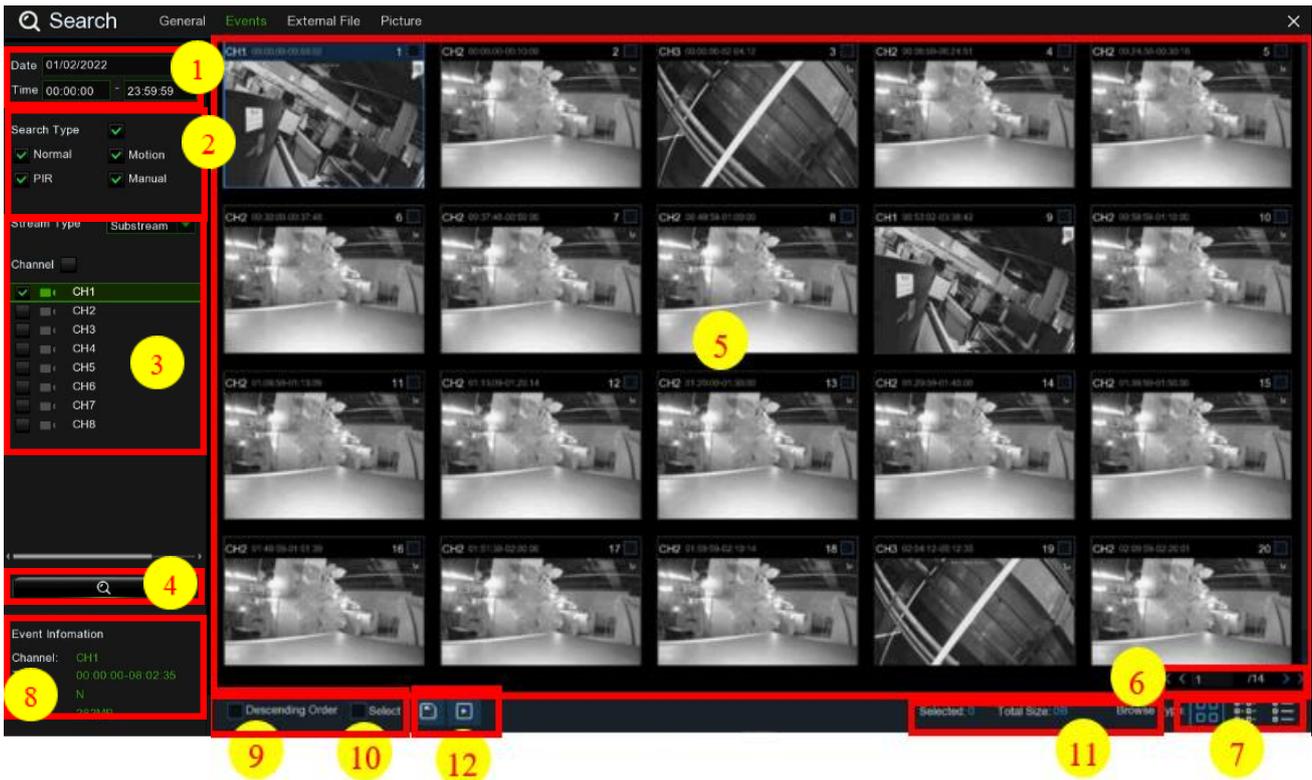


9. The backup drive menu appears. Navigate to the folder you want the backup files to save in.
10. Click **OK** to begin. The progress bar at the bottom of the window shows you the progress of the backup.



### 5.1.2 EVENT SEARCH, PLAYBACK AND BACKUP

Event search lets you view a list of video recordings with the channel, start time and end time, and recording type conveniently summarized. You can also quickly back up events to a USB flash drive.



#### To search, play & back up for events:

1. Click the icon to choose the date & time you want to search.
2. Check the recording types you want to search, or check **Search Type** to choose all.
3. Choose the channels you want to search, or check **Channel** to choose all channels.
4. Click icon to start search.
5. Events fitting your search criteria are displayed in list form. You can double click the left button of your mouse upon one of the events to play the video immediately.
6. Click icons in the bottom-right corner of the menu to browse between pages of events, or input the page you want to browse.
7. You can switch the view of list form by clicking below icons which is show at the right bottom corner of the screen:

**Thumbnails view.** You can view the snapshots of the events.

**List view.** The events will be displayed in list.

1	CH1	00:00:00	2	CH1	00:00:45	3	CH1	00:18:30	4	CH1	00:44:03	5	CH1	01:10:48	6	CH1	01:19:22	7	CH1	01:35:37	8	CH1	01:43:32
9	CH1	02:01:12	10	CH1	02:25:38	11	CH1	02:43:17	12	CH1	03:02:08	13	CH1	03:08:37	14	CH1	03:10:01	15	CH1	03:14:54	16	CH1	03:42:12
17	CH1	04:07:23	18	CH1	04:19:35	19	CH1	04:36:40	20	CH1	05:00:20	21	CH1	05:24:12	22	CH1	05:45:55	23	CH1	06:04:07	24	CH1	06:14:27
25	CH1	06:41:12	26	CH1	06:44:25	27	CH1	07:01:42	28	CH1	07:20:43	29	CH1	07:31:23	30	CH1	07:48:04	31	CH1	08:17:33	32	CH1	08:40:16
33	CH1	08:50:34	34	CH1	09:07:05	35	CH1	09:25:12	36	CH1	09:44:07	37	CH1	09:46:08	38	CH1	10:00:52	39	CH1	10:14:18	40	CH1	10:34:42
41	CH1	10:45:57	42	CH1	11:12:48	43	CH1	11:20:27	44	CH1	11:48:18	45	CH1	12:07:25	46	CH1	12:33:12	47	CH1	12:44:43	48	CH1	12:55:49
49	CH1	13:06:48	50	CH1	13:30:46	51	CH1	13:37:51	52	CH1	13:57:01	53	CH1	14:10:24	54	CH1	14:11:16	55	CH1	14:18:12	56	CH1	14:35:26
57	CH1	14:40:31	58	CH1	14:44:42	59	CH1	14:48:38	60	CH1	15:15:44	61	CH1	15:39:06	62	CH1	16:01:07	63	CH1	16:16:00	64	CH1	16:24:41
65	CH1	16:27:29	66	CH1	16:43:47	67	CH1	16:45:43	68	CH1	17:01:14	69	CH1	17:05:03	70	CH1	17:28:30	71	CH1	17:54:23	72	CH1	18:08:49
73	CH1	18:36:07	74	CH1	18:44:14	75	CH1	18:57:14	76	CH1	19:07:37	77	CH1	19:12:12	78	CH1	19:39:50	79	CH1	19:50:34	80	CH1	20:01:42
81	CH1	20:25:40	82	CH1	20:34:32	83	CH1	20:49:48	84	CH1	21:04:51	85	CH1	21:21:09	86	CH1	21:42:12	87	CH1	21:47:36	88	CH1	22:02:49
89	CH1	22:29:59	90	CH1	22:39:14	91	CH1	22:54:42	92	CH1	22:57:45	93	CH1	23:08:03	94	CH1	23:22:59	95	CH1	23:35:50			



**Detailed view.** You can view the details of the events.

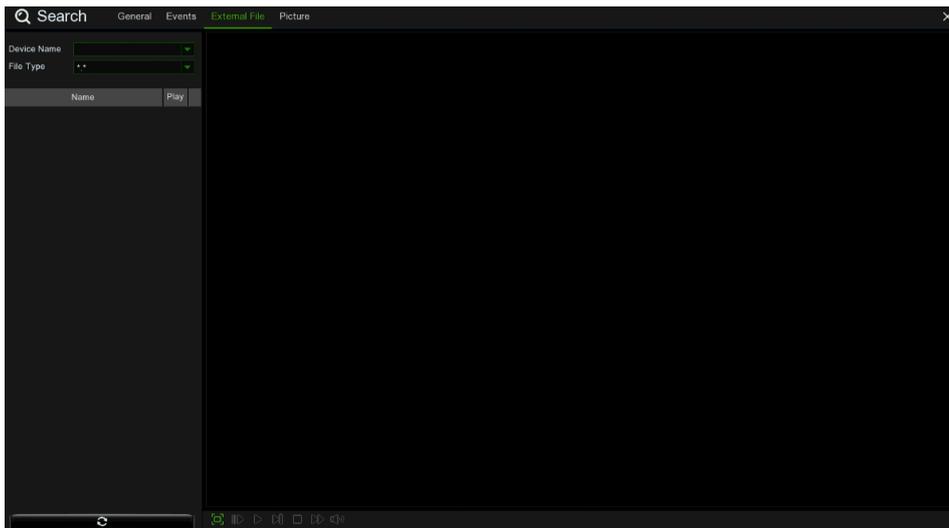
	Channel	Type	Date	Start Time	End Time	Size	Playback	Lock	
<input type="checkbox"/>	1	CH1	MINS	10/23/2017	00:00:00	00:00:45	6MB	<input type="checkbox"/>	
<input type="checkbox"/>	2	CH1	MINS	10/23/2017	00:00:45	00:18:30	150MB	<input type="checkbox"/>	
<input type="checkbox"/>	3	CH1	MINS	10/23/2017	00:18:30	00:44:03	217MB	<input type="checkbox"/>	
<input type="checkbox"/>	4	CH1	MINS	10/23/2017	00:44:03	01:10:48	227MB	<input type="checkbox"/>	
<input type="checkbox"/>	5	CH1	MINS	10/23/2017	01:10:48	01:19:22	72MB	<input type="checkbox"/>	
<input type="checkbox"/>	6	CH1	MINS	10/23/2017	01:19:22	01:35:37	138MB	<input type="checkbox"/>	
<input type="checkbox"/>	7	CH1	MINS	10/23/2017	01:35:37	01:43:32	67MB	<input type="checkbox"/>	
<input type="checkbox"/>	8	CH1	MINS	10/23/2017	01:43:32	02:01:12	150MB	<input type="checkbox"/>	
<input type="checkbox"/>	9	CH1	MINS	10/23/2017	02:01:12	02:25:38	207MB	<input type="checkbox"/>	
<input type="checkbox"/>	10	CH1	MINS	10/23/2017	02:25:38	02:43:17	150MB	<input type="checkbox"/>	
<input type="checkbox"/>	11	CH1	MINS	10/23/2017	02:43:17	03:02:08	160MB	<input type="checkbox"/>	
<input type="checkbox"/>	12	CH1	MINS	10/23/2017	03:02:08	03:08:37	55MB	<input type="checkbox"/>	

In the detailed view mode, you can lock the video events to keep events from being overwritten in the hard drive. Click the icon to lock or click to unlock the events.

8. When you click the left button of your mouse upon one of the event, system will show the event information on the left bottom corner of the screen.
9. Descending order: sort the file list in descending order.
10. Select: Check the box next the number of the event to select files, or check the box next **Select** to select all events in the page.
11. The number of selected files, total size information will be displayed at the right bottom of the screen.
12. After selecting file, you can click icon to save the video to USB flash drive. Or click icon into event playback control window to play the video.

### 5.1.2.1 External File

This section allows you to play the video of the external USB flash drive. Select the file on the left and the video will be played automatically.



### 5.1.3 PICTURE SEARCH

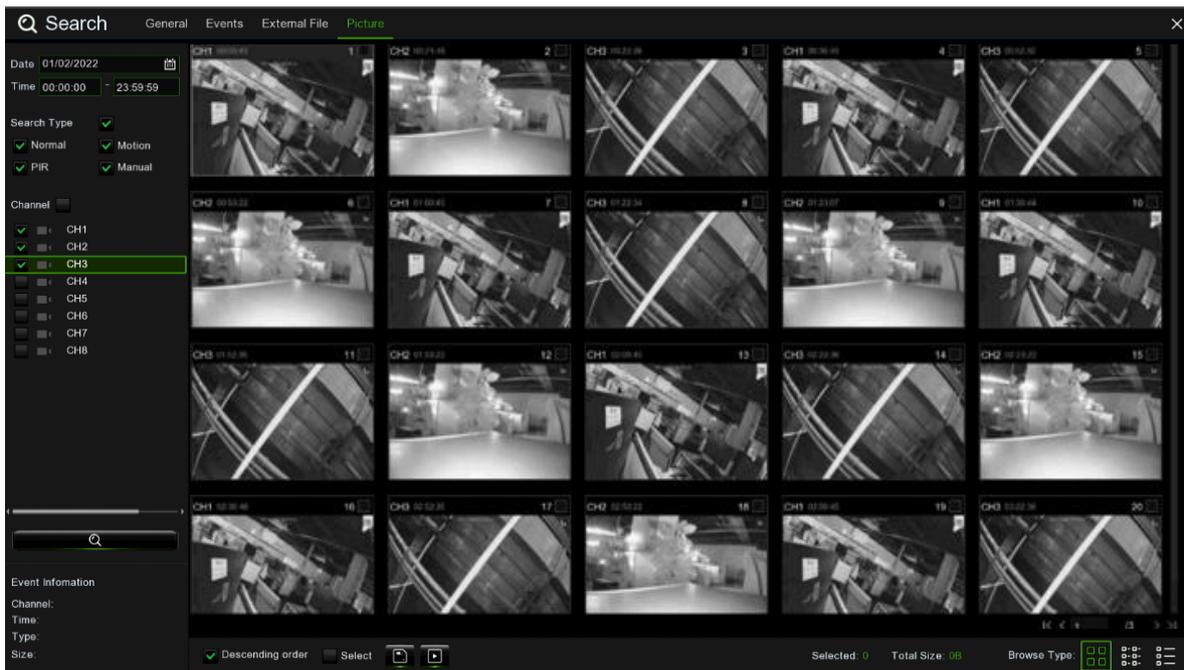
This function can be used to search, play and copy snapshots to a USB flash drive



#### To search, play & back up pictures:

1. Click the icon  to choose the date & time you want to search.
2. Select the picture capture types you want to search, or check **Search Type** to choose all.
3. Choose the channels you want to search, or check **Channel** to choose all channels.
4. Click button  to start search.
5. Pictures fitting your search criteria are displayed in list form. You can double click one of the pictures to get a larger view.
6. Click  icons in the bottom-right corner of the menu to browse between pages of pictures, or input the page you want to browse.
7. You can switch the view of list form by clicking below icons which is show at the right bottom corner of the screen:

 **Thumbnails view:** You can view the snapshots of the events.



 **List view:** The events will be displayed in list.

<input type="checkbox"/> 1 CH1 00:00:00	<input type="checkbox"/> 2 CH1 00:00:45	<input type="checkbox"/> 3 CH1 00:18:30	<input type="checkbox"/> 4 CH1 00:44:03	<input type="checkbox"/> 5 CH1 01:10:48	<input type="checkbox"/> 6 CH1 01:19:22	<input type="checkbox"/> 7 CH1 01:35:37
<input type="checkbox"/> 9 CH1 02:01:12	<input type="checkbox"/> 10 CH1 02:25:38	<input type="checkbox"/> 11 CH1 02:43:17	<input type="checkbox"/> 12 CH1 03:02:08	<input type="checkbox"/> 13 CH1 03:08:37	<input type="checkbox"/> 14 CH1 03:10:01	<input type="checkbox"/> 15 CH1 03:14:54
<input type="checkbox"/> 17 CH1 04:07:23	<input type="checkbox"/> 18 CH1 04:19:35	<input type="checkbox"/> 19 CH1 04:36:40	<input type="checkbox"/> 20 CH1 05:00:20	<input type="checkbox"/> 21 CH1 05:24:12	<input type="checkbox"/> 22 CH1 05:45:55	<input type="checkbox"/> 23 CH1 06:04:07
<input type="checkbox"/> 25 CH1 06:41:12	<input type="checkbox"/> 26 CH1 06:44:25	<input type="checkbox"/> 27 CH1 07:01:42	<input type="checkbox"/> 28 CH1 07:20:43	<input type="checkbox"/> 29 CH1 07:31:23	<input type="checkbox"/> 30 CH1 07:48:04	<input type="checkbox"/> 31 CH1 08:17:33
<input type="checkbox"/> 33 CH1 08:50:34	<input type="checkbox"/> 34 CH1 09:07:05	<input type="checkbox"/> 35 CH1 09:25:12	<input type="checkbox"/> 36 CH1 09:44:07	<input type="checkbox"/> 37 CH1 09:46:08	<input type="checkbox"/> 38 CH1 10:00:52	<input type="checkbox"/> 39 CH1 10:14:18
<input type="checkbox"/> 41 CH1 10:45:57	<input type="checkbox"/> 42 CH1 11:12:48	<input type="checkbox"/> 43 CH1 11:20:27	<input type="checkbox"/> 44 CH1 11:48:18	<input type="checkbox"/> 45 CH1 12:07:25	<input type="checkbox"/> 46 CH1 12:30:12	<input type="checkbox"/> 47 CH1 12:44:43
<input type="checkbox"/> 49 CH1 13:06:48	<input type="checkbox"/> 50 CH1 13:30:46	<input type="checkbox"/> 51 CH1 13:37:51	<input type="checkbox"/> 52 CH1 13:57:01	<input type="checkbox"/> 53 CH1 14:10:24	<input type="checkbox"/> 54 CH1 14:11:16	<input type="checkbox"/> 55 CH1 14:18:12
<input type="checkbox"/> 57 CH1 14:40:31	<input type="checkbox"/> 58 CH1 14:44:42	<input type="checkbox"/> 59 CH1 14:48:38	<input type="checkbox"/> 60 CH1 15:15:44	<input type="checkbox"/> 61 CH1 15:30:06	<input type="checkbox"/> 62 CH1 16:01:07	<input type="checkbox"/> 63 CH1 16:16:00

 **Detailed view:** You can view the details of the events.

	Channel	Type	Date	Time	Size	Playback
<input type="checkbox"/> 1	CH1	MIN	10/24/2017	00:00:00	160KB	
<input type="checkbox"/> 2	CH1	MIN	10/24/2017	00:12:01	201KB	
<input type="checkbox"/> 3	CH1	MIN	10/24/2017	00:21:20	401KB	
<input type="checkbox"/> 4	CH1	MIN	10/24/2017	00:24:38	111KB	
<input type="checkbox"/> 5	CH1	MIN	10/24/2017	00:37:25	167KB	
<input type="checkbox"/> 6	CH1	MIN	10/24/2017	00:55:58	210KB	

8. When you click the left button of your mouse upon one of the pictures, system will show the picture information on the left bottom corner of the screen.
9. Check the box next the number of the event to select files, or check the box next **Select** to select all pictures in the page.
10. The number of selected files, total size information will be displayed at the right bottom of the screen.
11. After selecting file, you can click button  to save the pictures to USB flash drive. Or click button  to go into picture preview control window.

## 6 REMOTE ACCESS VIA WEB CLIENT

---

Use the Web Client to remotely access your WIRELESS NVR at any time via a PC. Before you access the Web Client, you need to ensure that the network settings of the WIRELESS NVR are configured properly.

### 6.1 6.1 SYSTEM ENVIRONMENT REQUIREMENTS

---

The minimum requirements for hardware and OS required to run Web Client are given as below.

Item	Minimum	Recommended
CPU	Intel® Core™ i5 CPU	Intel® Core™ i5 CPU or higher
RAM	4G or more	8G or more
Hard Drive	500G or more	1000G or more
Display RAM	2G or more	4G or more
Display Resolution	1280*1024	1920*1080
OS	Windows 7 and above Mac OS X®10.9 and above	
DirectX	DirectX 11	
Direct3D	Acceleration Function	
Ethernet Adapter	10/100/1000M Ethernet Adapter	
IE	Microsoft Internet Explorer (Ver. 11, 10, 9, 8). It doesn't support Edge.	
Mozilla Firefox	V51 version or lower. It doesn't support V52 version or higher.	
Google Chrome	V44 version or lower. It doesn't support V45 version or higher.	
Mac Safari	5.1 or higher.	

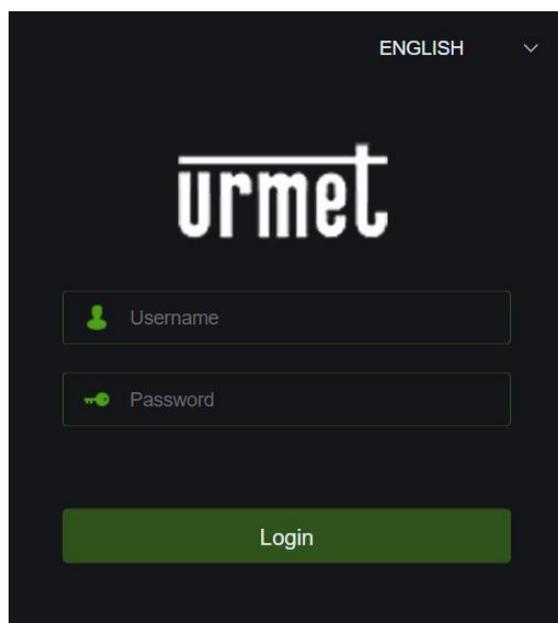
### 6.2 WEB PLUGIN DOWNLOAD AND INSTALLATION

---

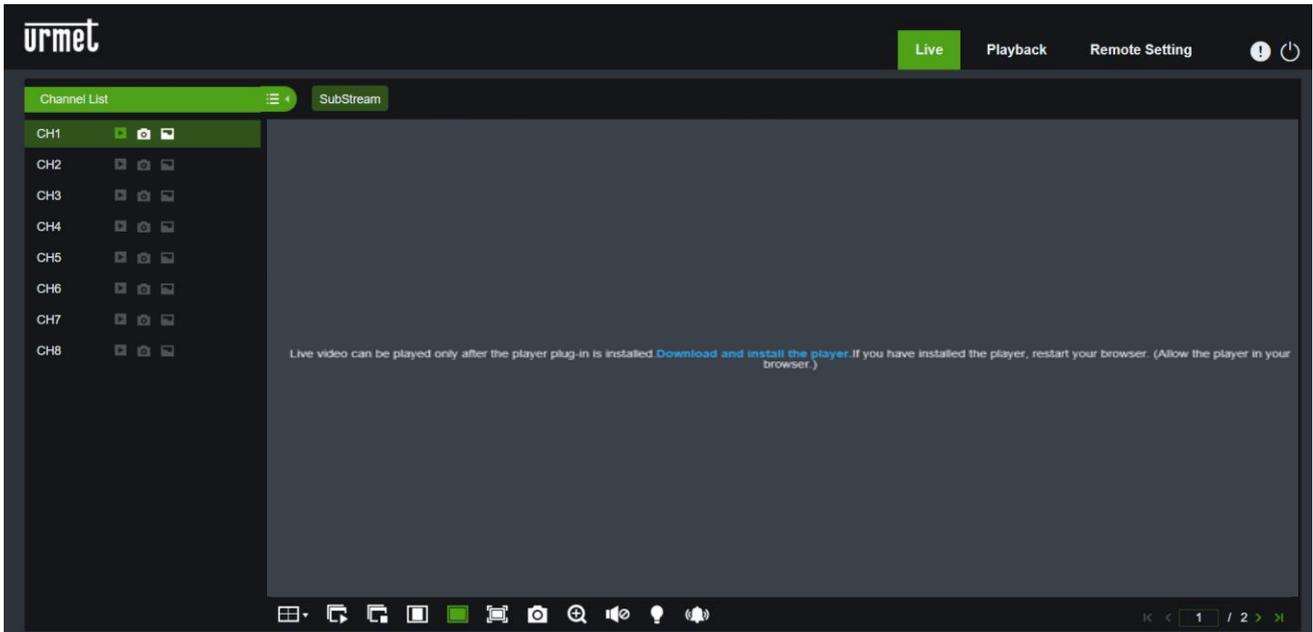
To access the Web Client, do the following:

#### For IE/Chrome/Firefox:

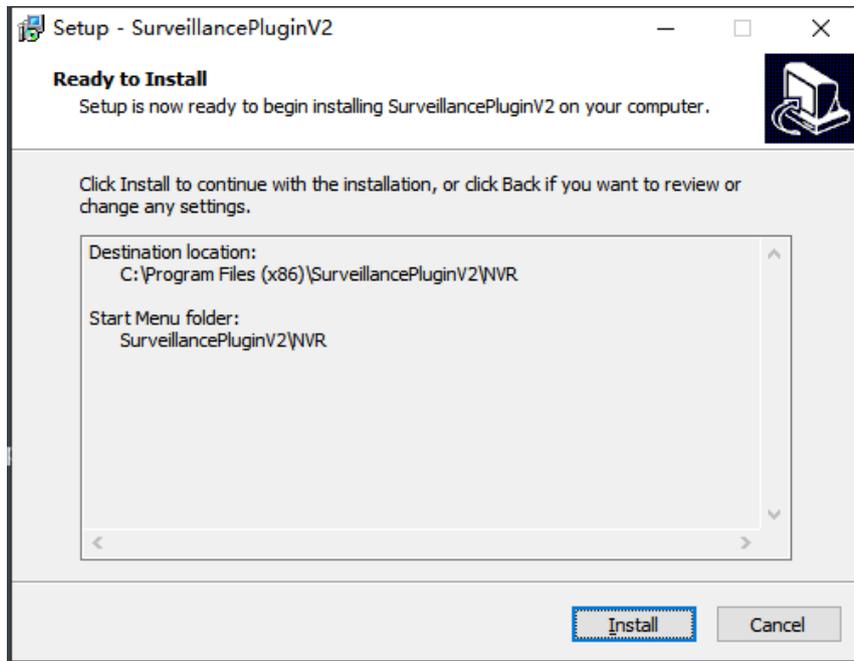
1. Launch the explorer on your PC and enter the WIRELESS NVR static IP address or DDNS domain name (Host Name) in the URL box.
2. After step 1, enter the Web login page. Input your user name and password to login the web client.



3. After step 2, enter the Web control page of the WIRELESS NVR.



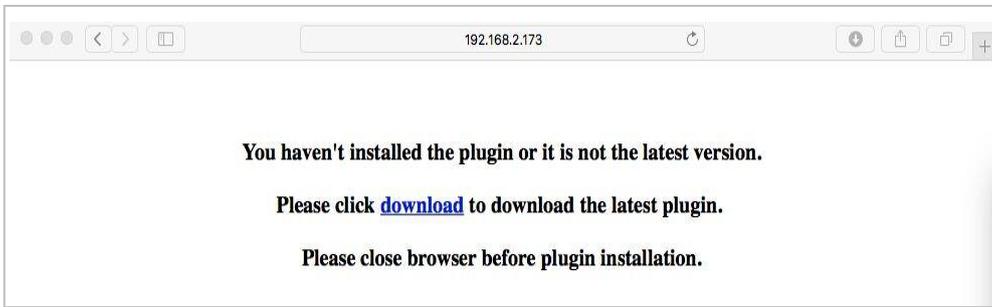
4. Click Download and install the player in the Web, download the plugin and refresh the Web to view.



**Note:** If you use Google Chrome, please use Version V41 or lower. If you use V42 to V44, you need to enable NPAPI plugins. Please enter `chrome://flags/#enable- NPAPI` on URL bar to find and enable NPAPI. It doesn't support V45 or above so far.

**For Mac SAFARI:**

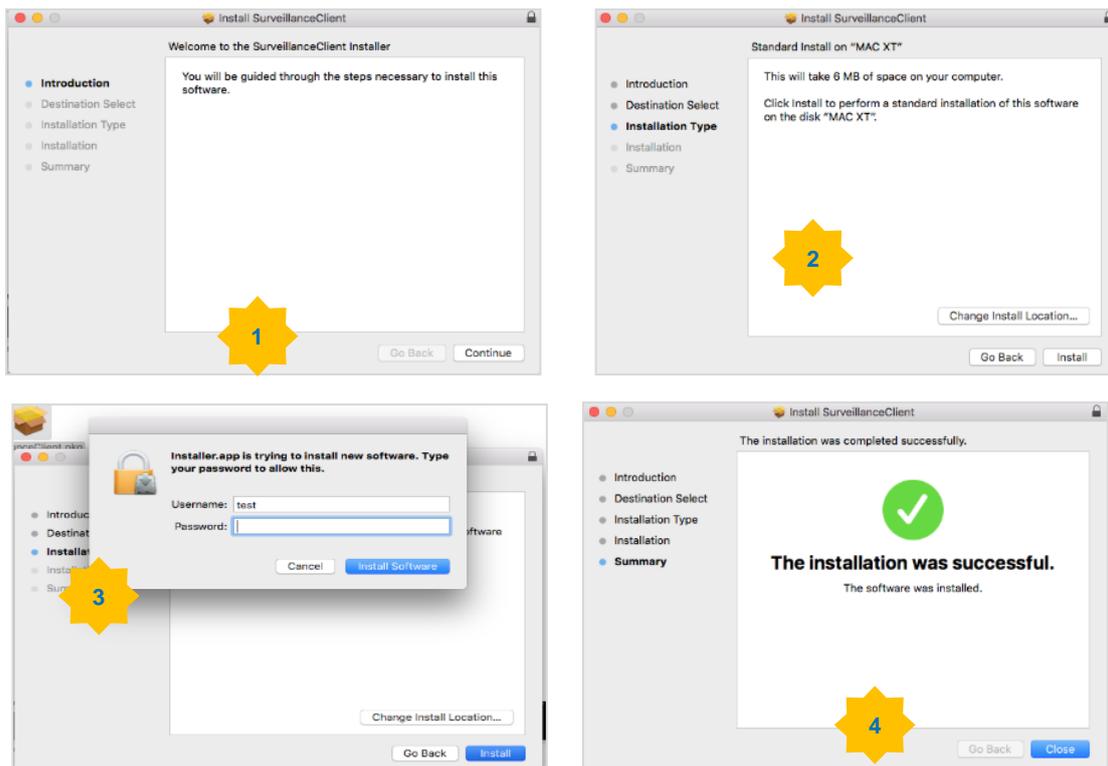
1. Launch the Safari on your Mac, and enter the WIRELESS NVR static IP address or DDNS domain name (Host Name) .



2. Download the plug-in "Surveillance Client ", locate the downloaded file and double click it.



3. Click on "Continue" → "Install". Enter user name and password for Mac computer. Click on "Install Software" → "Close" to finish installation.



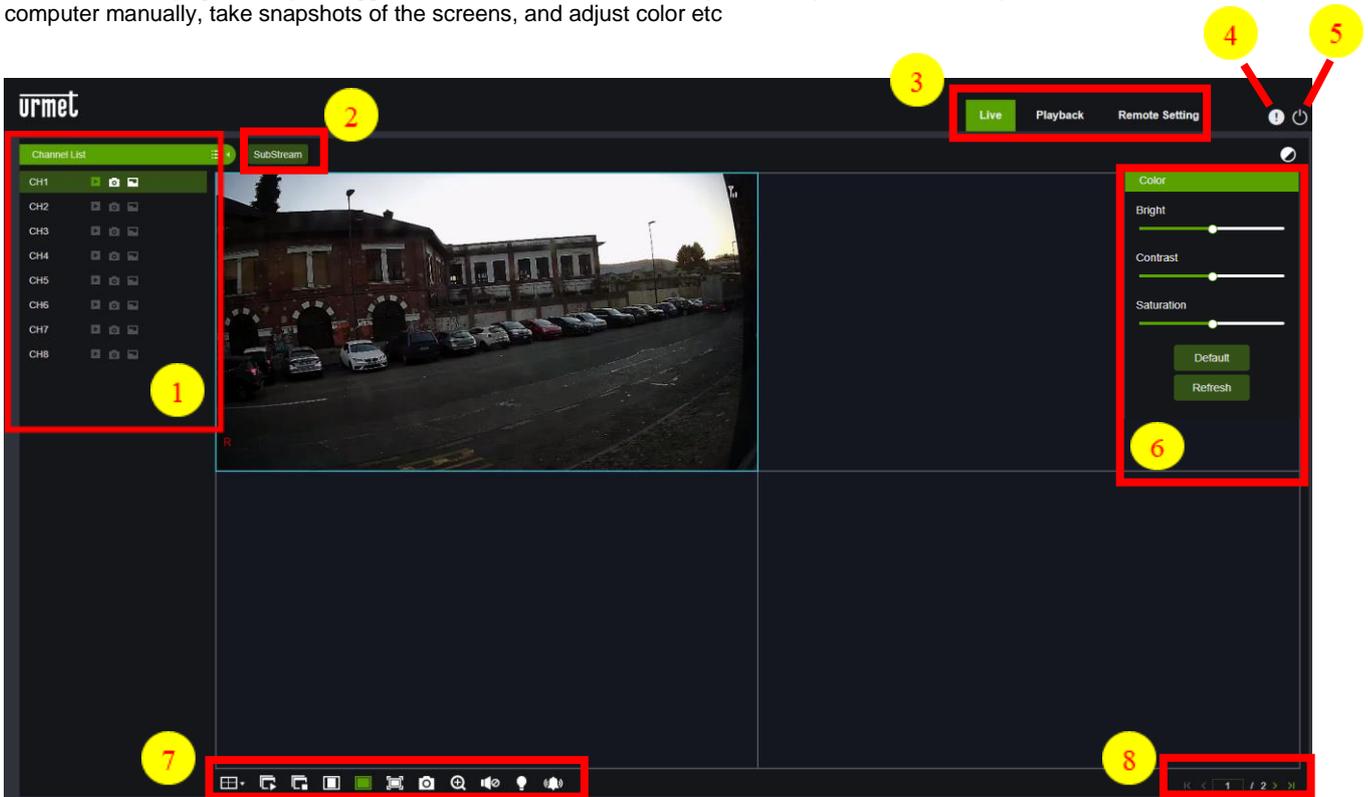
4. Close SAFARI and repeat step 1 to open the Web Client login page.

## 6.3 WEB CLIENT MANAGER

The web client supports to fully control the WIRELESS NVR with administrator account. Please make sure to protect your user name & password to prevent illegal login.

### 6.3.1 LIVE INTERFACE

This is the first page after you logged in to the Web Client. Here you can open or close live preview, record video to local computer manually, take snapshots of the screens, and adjust color etc



#### 1- Channel List: Open the channel list n of the quick camera function.

Click the icon  to display the channel list.

Click the icon  to close the channel list.

  Turn on/off live video streaming. When the live video stream is turned on, the icon is displayed in blue.

  Manual recording icon. Click to start recording streaming video manually. Click again to stop recording. Save the manual video to your computer. When recording, the icon is blue.

 Manual snapshot icon. Click to save a snapshot of the current real-time display to your computer.

  Bit rate icon. The camera is set to use mainstream, sub-stream or mobile streaming video settings. Mobile streaming only applies to IP channels.

#### 2- Live video stream option:

**Mainstream:** View all the live videos through high-quality mainstream video settings.

**Sub-stream:** View all live videos through the medium-quality sub-stream video settings.

#### 3- Main menu:

**Live view:** View real-time video from the camera.

**Playback:** View the recorded video saved in the NVR hard drive disk.

**Remote setting:** Access function of NVR setting menu.

**Local Settings:** Set the download location of videos and snapshots taken through the Web client, and select the "File Type" of the video file.

#### 4- Information: Hover the mouse to view system user, IE version, plug-in version information.

#### 5- Exit.

6- **Color setting:** Click to show or hide the color controls.

7- **Live view control button:**



Split screen display



Open the live view of all the channel previews



Close all channel previews



Original ratio: Display live video in original ratio



Stretch: Stretch the real-time video to fit the entire area of each channel on the screen



Enlarge the web client to full screen



Manual capture: Click to capture the current images of all displayed channels and save them to your computer.



Electronic zoom: Click on an active image, then click-drag across an area of the active image to zoom in. Right-click to return to the normal display.



Volume control: Adjust the volume by adjusting the Level.



Silent mode



White light control, you can manually turn on the white light deterrent.



Siren control, you can manually turn on the siren warning.

8- **Navigation:** Display the current channel page number. Use the arrow keys to switch between pages.

## 6.3.2 PLAYBACK

You can search & play recorded files stored on the HDD inside the WIRELESS NVR, and save the video on your PC.



### Record Search:

1. Click the **Playback** icon in the upper right corner to enter the playback interface.
2. Select the date to check the recording on the calendar. The days with recording is displayed with a red underline.
3. Select the type of recording you want to query in "Type", or select "All" to query all types of recordings.
4. Select the video stream you want to search and play. If you want to play sub-stream recordings, please make sure you have set the NVR to DualStream recording in Recording settings.
5. Check the channel you want to play back in "Channel" (up to four channels can be searched and played back at the same time).
6. Click the **Search** icon to search for video.
7. Videos suitable for your search will be displayed on the timeline. Click the video clip you want to start playing, and then click the play icon ▶ to play the video.

### 6.3.2.1 6.3.2.1 Playback control icon



-  Play a single recording.
-  Pause a single recording.
-  Stop playing a single channel recording.
-  Synchronous play: click to play the selected channel synchronously at the same time.
-  Click on one of the channels that is currently playing, and then click the capture icon to take a snapshot and save it to your computer.
-  Open the "download" menu, you can download the video of the selected channel at a certain time.

	<input type="checkbox"/>	Start Time	End Time	Status	File Size
1	<input type="checkbox"/>	2021-02-20 00:00:00	2021-02-20 00:06:01	Not Downloaded	180.91M
2	<input type="checkbox"/>	2021-02-20 00:06:01	2021-02-20 00:14:28	Not Downloaded	253.81M
3	<input type="checkbox"/>	2021-02-20 00:14:28	2021-02-20 00:22:58	Not Downloaded	253.99M
4	<input type="checkbox"/>	2021-02-20 00:22:58	2021-02-20 00:31:24	Not Downloaded	253.73M
5	<input type="checkbox"/>	2021-02-20 00:31:24	2021-02-20 00:39:49	Not Downloaded	253.62M
6	<input type="checkbox"/>	2021-02-20 00:39:49	2021-02-20 00:48:19	Not Downloaded	253.86M
7	<input type="checkbox"/>	2021-02-20 00:48:19	2021-02-20 00:56:49	Not Downloaded	253.90M
8	<input type="checkbox"/>	2021-02-20 00:56:49	2021-02-20 01:05:18	Not Downloaded	253.83M
9	<input type="checkbox"/>	2021-02-20 01:05:18	2021-02-20 01:13:44	Not Downloaded	253.55M
10	<input type="checkbox"/>	2021-02-20 01:13:44	2021-02-20 01:22:10	Not Downloaded	253.46M
11	<input type="checkbox"/>	2021-02-20 01:22:10	2021-02-20 01:30:36	Not Downloaded	253.67M
12	<input type="checkbox"/>	2021-02-20 01:30:36	2021-02-20 01:39:06	Not Downloaded	253.98M
13	<input type="checkbox"/>	2021-02-20 01:39:06	2021-02-20 01:47:35	Not Downloaded	253.62M
14	<input type="checkbox"/>	2021-02-20 01:47:35	2021-02-20 01:56:01	Not Downloaded	253.58M

14 Row / Page      < < 1 / 14Page > >

Start Download   Stop Download

Select the file you want to download, press the start download icon to start, and you will see the download status. Press the stop download icon to stop downloading.

 **Playback speed:** Click to select the playback speed.

 **Play all channels:** Click to play all the channels you choose to search. Only available when the synchronized playback option is not selected.

 **Stop playing all channels:** Click to stop playing all channels. Only available when the synchronized playback option is not selected.

 **Electronic zoom:** Click on the video that is playing, then click and drag an area of the video to zoom in. Right-click to return to the normal display.

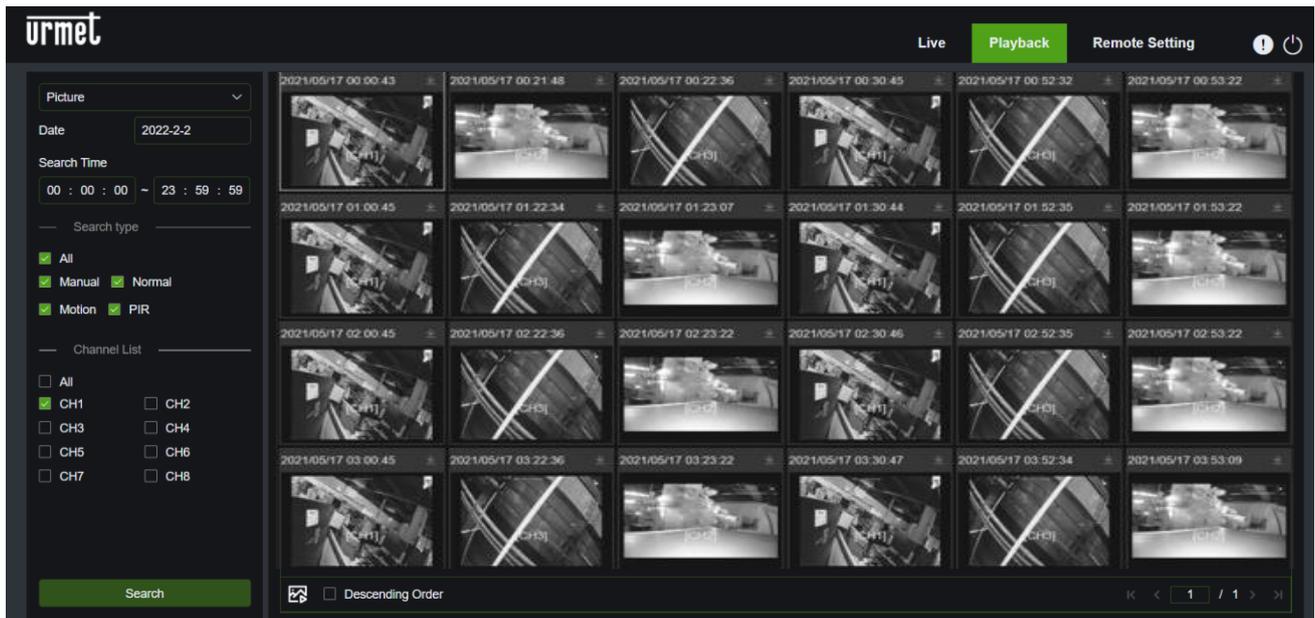
 **Original ratio:** Display the video that is played in the original ratio.

 **Stretch:** Stretch the played video to fit all areas of each channel on the screen.

 Enlarge the web client to full screen playback.

### 6.3.2.2 Picture Playback

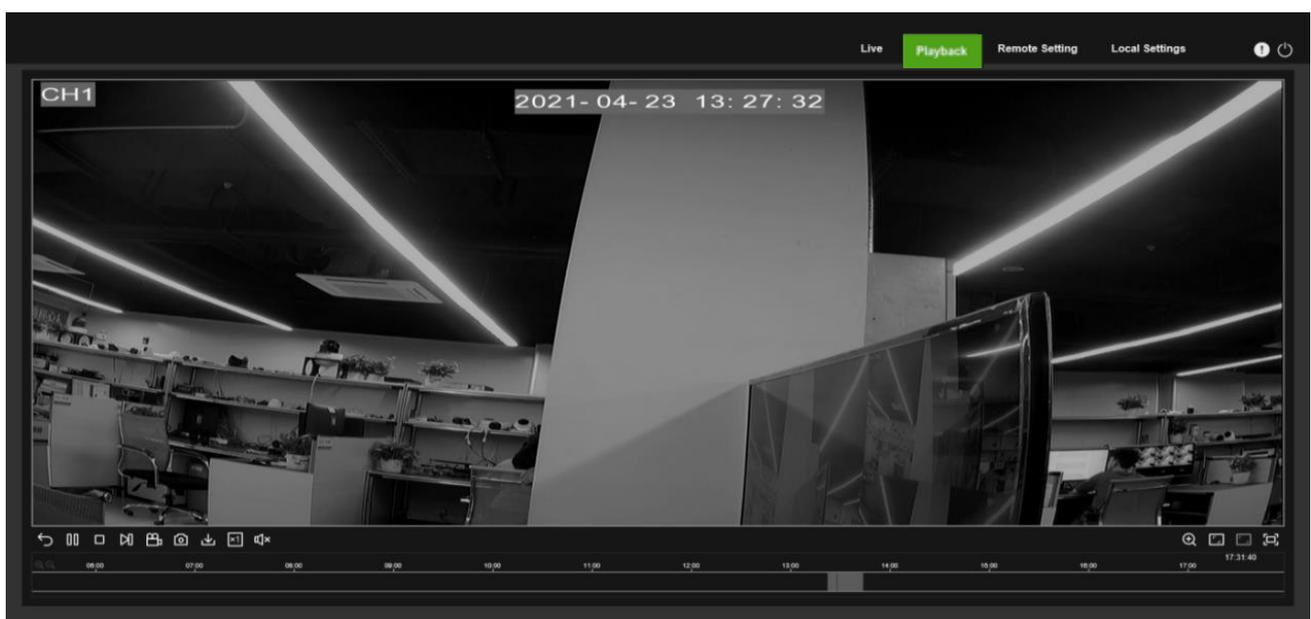
After setting up the screenshot, you can search for the captured pictures here. You can search for up to 5000 pictures at a time, and you can modify the time interval to search as needed.



#### Search for screenshots:

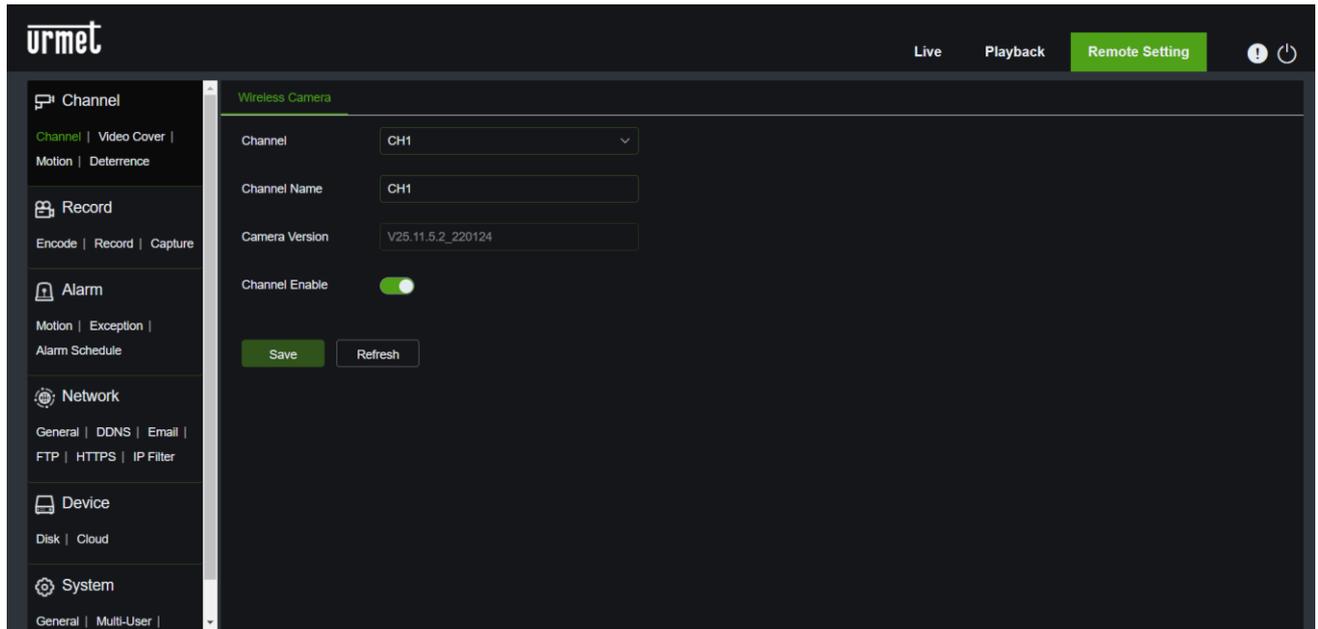
1. Click **Playback** in the upper right corner of the window.
2. Select **Picture** from the drop-down menu in the upper left corner.
3. Select a day on the calendar to search. Dates with snapshots are underlined in red.
4. Select the type of picture you want to search from the list in the **Search Type** menu, or select **All** to search for all types.
5. Check the channels you want to search for recording.
6. Click **Search**.
7. Images that match your search criteria will be displayed on the right.

You can double-click any picture to enter the small clip playback interface, and click  to return to the previous interface.



### 6.3.3 REMOTE SETTINGS

You can configure the NVR settings remotely here. Please refer to Chapter 4 NVR System Setup for more details about NVR settings.



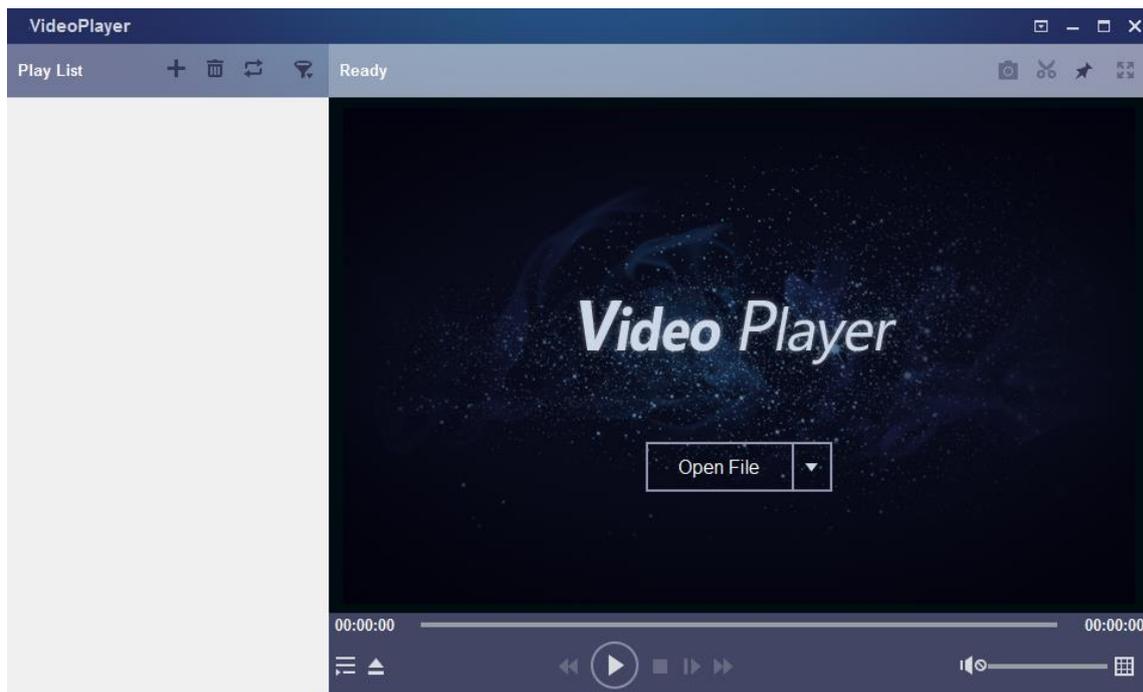
## 7 VIEW THE BACKUP VIDEO ON PC/MAC

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This section is about playing the backup file with the powerful video player included in the CD. For Mac users, please install the application "VideoPlayer\_x.x.xx\_xxxx\_xx\_x.dmg", for example: VideoPlayer\_1.0.15\_2017\_01\_6.dmg. For PC users, please install the application "VideoPlayer\_x.x.xx\_xxxx\_xx\_xx.exe", for example: VideoPlayer\_1.0.15\_2017\_01\_06.exe.

### Minimum computer system requirements:

- Intel Pentium 4 or above
  - Microsoft system XP / Vista / 7/8/10
  - 256MB RAM
  - 16MB existing
1. Install the video playersoftware of the CD and run it.



2. Copy the backup file to your computer.
3. Click the "**Open File**" icon or click the "+" icon in the playlist to load a single or multiple video files. It supports adding and playing ".rf", ".avi", ".mp4", ".264" and ".265" format files. Click the icon  to load the video folder that is backed up.

## Video Player Control



### 1. Play List

-  Add files.
-  Delete files.
-  Select the play mode: play a single file and stop; play all listed files in order; repeat one file, repeat all files.
-  Filter by file name.

### 2. Hide/Show Play List.

-  Click to open file or load folder.

### 3. Play Control

-  Play.
-  Pause playing.
-  Stop playing.
-  Play frame by frame: Click once to play one frame of video.
-  Slow playback: You can set 1/2, 1/4, 1/8 and 1/16 times speed playback.
-  Fast forward: x2, x4, x8 and x16 speed playback can be set up.

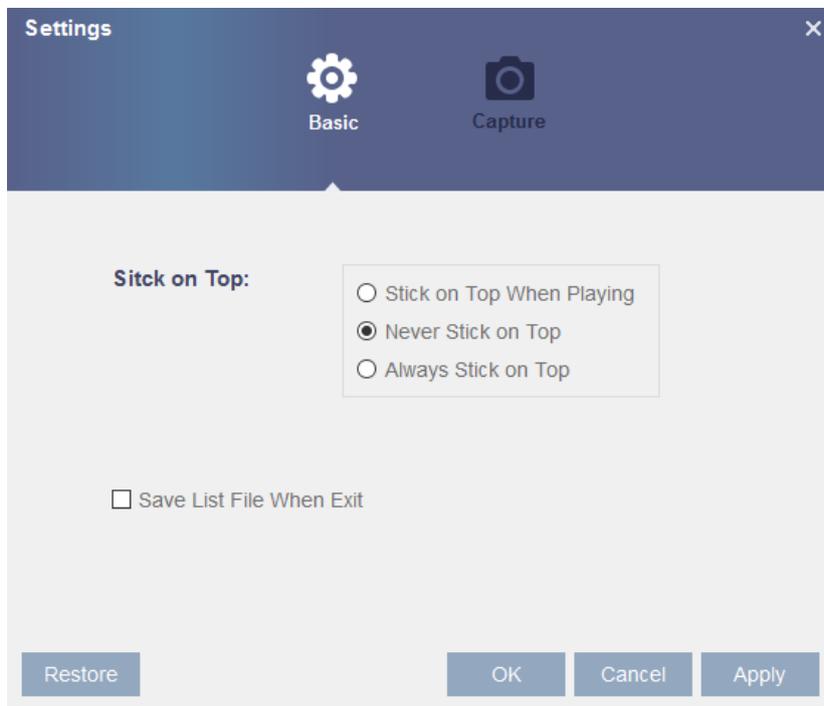
### 4. Volume Control

-  Multi-screen playback: It allows multiple videos to be played at once. When you select "Multi-screen playback", you can drag the video of the "Playlist" to the "Play" interface.

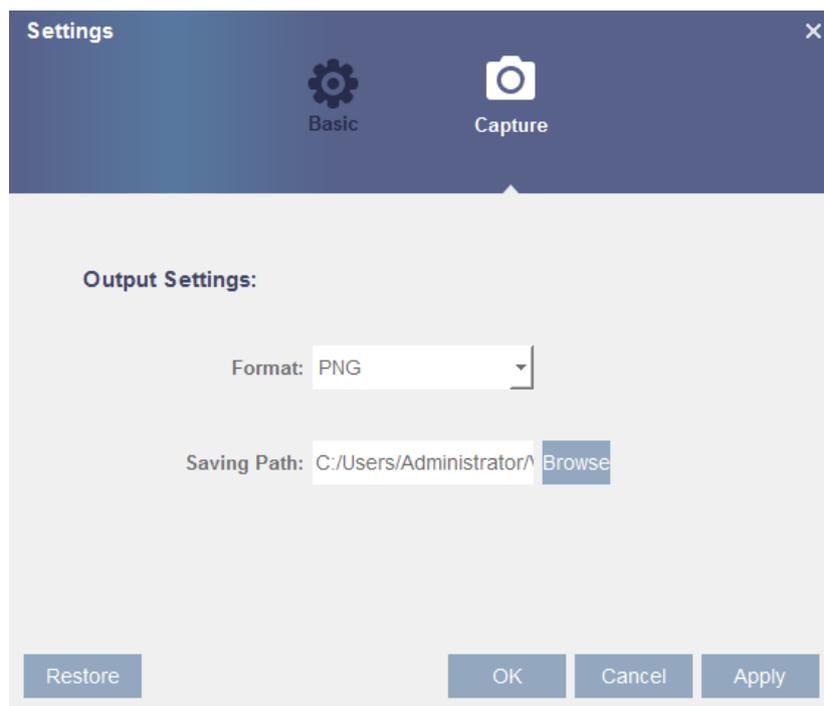
### 5. Snapshots.

-  Save a video clip to your computer. Press once to start, press again to end the video clip.
-  Put the video player on top.
-  Display the video window in full screen.

### 6. Advanced settings menu Select the language of the player, and configure the functions of the player.



**Basic Settings:** Set up stick-on-top mode.



**Capture Settings:** Set the save format and save path of the snapshot.

## 8 SPECIFICATIONS OF THE WIFI NVR KIT REF. 1098/820 (PAL FORMAT)

Function	Features
	NVR WiFi 1098/820-DA kit
Compression formats:	Video: H.264/H265+
Video Inputs/Outputs	8CH WiFi 802.11 b/g 1920x1080 (Full HD) / 1 CH Video HDMI Output
Frame Rate	Max 120fps@1080p - Main stream: Max 15fps@1080p per channel - Sub stream: Max15fps@640x360 per channel
Recording resolution	Max 15fps@1080p per channel
Live & Playback performance	1080P: 8ch no real-time
Recording modes	Always / Timed / Manual / Motion Detection and PIR
Recording bandwidth	up to 12Mbps (8ch simultaneously, Max 1,5Mbps per channel)
Video backup memory	1 SATA HDD (1000GB)
	External USB device / SD card / Network (NAS) (DROPBOX, GOOGLE DRIVE, FTP, only for alarm picture and video event)
Playback modes	PLAY / SLOW / FWD / one frame at a time
Web interface / Multilingual client	- PC: Windows® 7, Windows® 8, Windows® 10 Mac OS X® 10.10 or higher - Mobile: Android Ver. 6.0 or higher iOS8.0 or higher - Microsoft Internet Explorer (Ver. 11, 10, 9, 8) Mozilla Firefox Ver 51.x or lower, Google Chrome Ver. 44.x or earlier Safari®10.10 or higher
Alarm types	Motion / PIR/ Video Loss / HD Space / HD fault
Maximum number of PCs connectible at the same time	According to maximum output bandwidth
PDA Software Mobile	Urmet iUVS Pro (iOS, Android)
Internal SD Card	Yes
USB ports	2 USB 2.0 ports (for Mouse, for Backup and for FW update)
Ethernet LAN / Wi-Fi	1 RJ45 10/100 Base-T / 1 Wi-Fi 802.11 b/g/n
Max. remote users	7 (Admin 1, User 6)
Network protocols	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, DHC, SMTP, DNS, DDNS
WiFi transmission distance	50m (internal)* / 200m (external)*
Power consumption	Max 3.9W
Power	DC 12V 2A
Operating temperature / Humidity	0°C~+40°C (32°F ~ 104°F) / 20% ~ 85%RH
Dimensions (WxHxD):	300X48X208 mm
Weight NVR	~1,4 kg

\* The distance is strongly influenced by the characteristics of the environment in which the product is installed (type of material used and number of walls between the devices, interference, noise, etc.).

### IMPORTANT NOTES

- Product specifications may be subject to change without prior notice.
- After replacing/adding a HDD, the operations must be performed by qualified personnel or by contacting the closest technical centre.
- The hard disk may have a maximum capacity of 6TB. Contact the closest technical centre to see the complete list of compatible HDDs.

## 9 APPENDIX

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### 9.1 TROUBLESHOOTING

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1. Q: What can I do if the system does not detect the HDD?  
A: Check if the power supply system is properly connected and data cord and power cables are securely connected, and if something wrong with the HDD interface. Or you may check if your HDD is supported by referring to the specifications or descriptions.
2. Q: I have changed the password but forget the new password, how can I access the system?  
A: If you forget system password, please consult with our technical personnel. We strongly suggest user to set password easy to be remembered and relatively safe. If you have safety requirement, please do not set very simply password, such as 000000.
3. Q: We see abnormal video signal or even no video signal by connecting the WIRELESS NVR and camera together. Power supply for both devices is OK. What is wrong?  
A: Check network cable at WIRELESS NVR side to see if the cable is firmly connected and if it is worn out and needs to be replaced, or to check if NTSC or PAL is selected consistently.
4. Q: How to prevent WIRELESS NVR from being influenced by heat?  
A: The WIRELESS NVR needs to dissipate heat while it is running. Please place the WIRELESS NVR in a place with good air circulation and away from heat sources to ensure stability and life of the WIRELESS NVR.
5. Q: I want to take out HDD from my PC and install it in WIRELESS NVR. Can it work?  
A: All HDDs supported by the system can be used. But remember, once WIRELESS NVR runs, the data on your HDD will be lost.
6. Q: Can I playback while recording?  
A: Yes. The system supports the function of playing while recording.
7. Q: Can I clear some records on HDD of WIRELESS NVR?  
A: In consideration of the file security, you may not clear part of records. If you want to remove all the records, you can format HDD.
8. Q: Why can't I log in WIRELESS NVR client?  
A: Please check if the network connection settings are correct and RJ-45 port is with good contact. And check if your account and password are correctly input.
9. Q: Why can't I find any records during playback?  
A: Please check if the data line connection for HDD is OK and system time is properly adjusted. Try a few times and restart. If it still doesn't work, check if the HDD is broken.
10. Q: Why doesn't dynamic detection work?  
A: Please check if the motion detection time and motion detection regional setting are correct and if the sensitivity is set too low.
11. Q: Why doesn't alarm work?  
A: Please check if the alarm setting, alarm connection and alarm input signals are correct.
12. Q: Why does buzzer keep alarming?  
A: Please check the alarm setting, check if motion detection function is enabled and object motion is detected all the time, and check whether the I/O alarm is set as Always Off. Besides, refer to corresponding HDD alarm setting.
13. Q: Why can't I stop recording by pressing "STOP" button or click "Stop Recording" in context menu?  
A: Pressing "Stop" or "Stop Recording" can only stop manual record. If you want to stop Scheduled recording in certain time quantum, please change the setting to No Record. To stop Startup recording, please change record mode to scheduled recording or manual recording. Then you may stop recording by the prescribed methods. And another way of stopping recording is to set channel as off status in record setting.

## 9.2 USAGE MAINTENANCE

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1. To shut down WIRELESS NVR, please firstly shut down the system and then turn off the power. Do not turn off the power directly, otherwise HDD data will be lost or damaged.
2. Please keep WIRELESS NVR away from heat sources or places.
3. Clean the internal dust regularly. Make sure the good ventilation of WIRELESS NVR so as to ensure the good heat dissipation.
4. Please do not plug or unplug the audio and video signal cables and RS-232, RS-485 and other interfaces when the power is on, otherwise these ports will be easily damaged.
5. Please check the HDD cable and data cable regularly to see if they are ageing.
6. Please prevent the audio and video signals of WIRELESS NVR from being intervened by other electronic devices, and prevent the HDD from being damaged by static electricity and induced voltage.  
If the network cable is frequently plugged and unplugged, it is suggested to replace connecting line regularly, or the input signal may be unstable.
7. This is a class A product. It maybe bring wireless interference in life. Under this situation, it need user to make measures.

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MADE IN CHINA