

# Network Video Recorder User Manual

## Statement

Thank you for choosing InterVision, this user manual is intended for users of IP Camera. It includes instructions on how to use the product. Before using the device, read the user manual carefully. Keep this manual for further clarifications. The descriptions, images and technical parameters may vary with the actual devices. The software embodied in the product is governed by the user license agreement covering that product.

### Copyright

This Manual is subject to domestic and international copyright protection.

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### Privacy Notice

Surveillance laws vary by jurisdiction. Check all relevant laws in your jurisdiction before using this product for surveillance purposes to ensure that your use of this product conforms. Please refer to the product specification for camera parameters and functions.

### Disclaimer

This quick start guide is for reference only. It may contain several technical incorrect places or printing errors, and the content is subject to change without notice. All information in this guide has been thoroughly reviewed. InterVision Technology Co., Ltd. is not liable for damage caused by improper use of this device.

### Regulatory Information

#### FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced technician for help.

#### RF warning:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

EU Conformity Statement	
	This product and if applicable, the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Low Voltage Directive 2014/35/EU, the EMC Directive 2014/30/EU, the RED directive 2014/53/EU, the RoHS Directive 2011/65/EU.
	2012/ 19/ EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: <a href="http://www.recyclethis.info">www.recyclethis.info</a>
	2006/ 66/ EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: <a href="http://www.recyclethis.info">www.recyclethis.info</a>

## Open Source Software License

This product contains software whose right holders license it under the terms of the GNU General Public License, version 2 (GPLv2), version 3 (GPLv3) and/or other open source software licenses. If you want to receive the complete corresponding source code, we will provide you and any third party with the source code of the software licensed under an open source software license if you send us a written request by mail or email to the following addresses:

**InterVision OSS Support Team**  
**Email: [opensource@interVision.ua](mailto:opensource@interVision.ua)**  
**Postal: InterVision Technology Co., Ltd.**  
**Ukraine, Kyiv**

Detailing the name of the product and the firmware version for which you want the source code and indicating how we can contact you.

*Please note that we will ask you to pay us for the costs of a data carrier and the postal charges to send the data carrier to you. The amount can be varied according to your location and Geniatech oss support team will notify the exact cost when receiving the request. This offer is valid for three years from the moment we distributed the product and valid for as long as we offer spare parts or customer support for that product model.*

### Change the default password

#### **Default NVR Account:**

**Username: admin Password: <empty>**



*The NVRs are not password protected when unboxing. You must change this default account settings to better protect against security risks, such as the unauthorized access by others to the product that may prevent the product from functioning properly and/or lead to other undesirable consequences.*

*For your privacy, we strongly recommend changing the password to something of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product.*

*Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.*

## **Important Safeguards and Warnings**

### 1. Electrical Safety

All installation and operation here should conform to your local electrical safety codes. We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation.

### 2. Transportation security

Heavy stress, violent vibration or water splash are not allowed during transportation, storage and installation. 3. Installation

Keep upwards. Handle with care.

Do not apply power to the NVR before completing installation.

Do not place objects on the NVR

### 4. Qualified engineers needed

All the examination and repair work should be done by the qualified service engineers. We are not liable for any problems caused by unauthorized modifications or attempted repair.

### 5. Environment

The NVR should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc. This series product shall be transported, storage and used in the environment ranging from 0<sup>0</sup>C to 50<sup>0</sup>C 6. Accessories

Be sure to use all the accessories recommended by manufacturer.

Before installation, please open the package and check all the components are included.

Contact your local retailer ASAP if something is broken in your package.

### 7. Lithium battery

Improper battery use may result in fire, explosion, or personal injury!

When replace the battery, please make sure you are using the same model!

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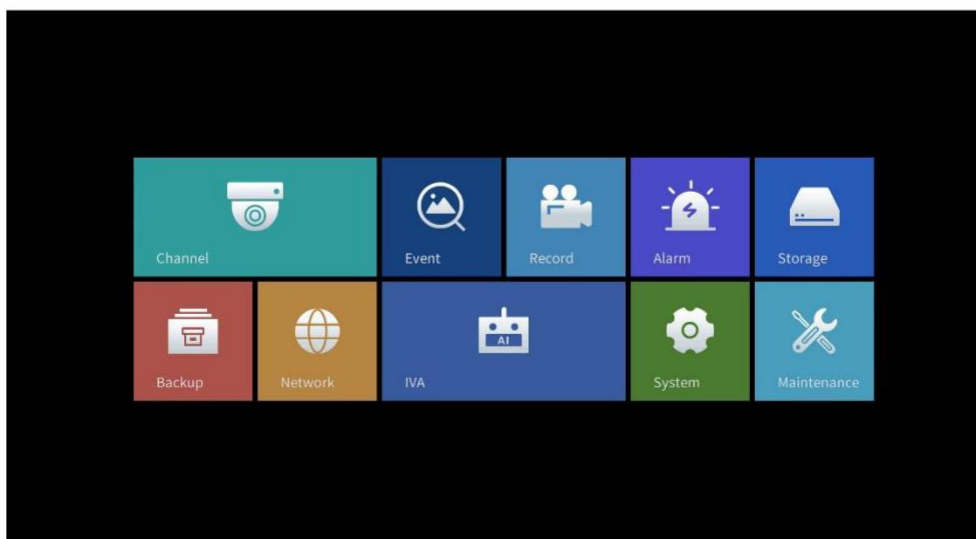
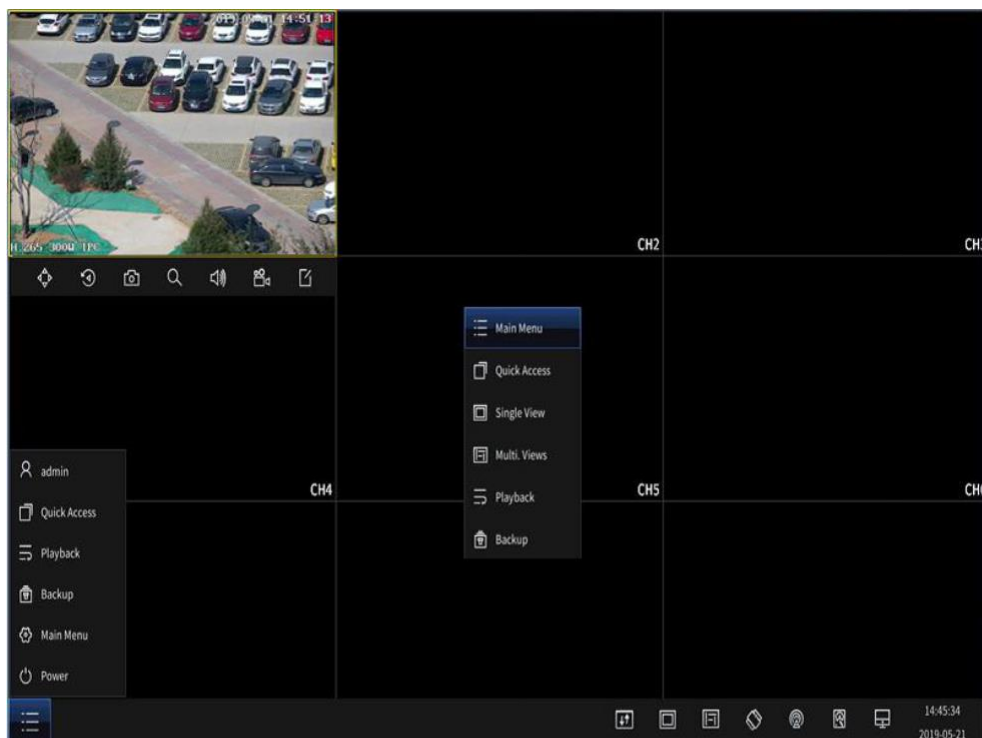
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## 2. Interface Instruction

Connect the NVR to the monitor and then plug mouse and power cable, NVR will boot up and video output will display. You can use the mouse to implement some simple GUI operation. After device booted up, the system is in multiple-channel display mode.

**Note:** The number of displaying channel may vary. The following figure is for reference only.





## 2.1. Menus

### 1. Task Bar

Move the mouse to the bottom of the screen, the Task bar will pop-up. You can access the start menu, Channel sort, View layouts, Channel auto switch, Network Information, HDD Information and NVR Information.

### 2. Right click menu

Right click on the screen, the menu will show. With right click menu, you can access Main menu, Quick access (Recently used five operations), Screen layouts (Single and Multi), Playback and Backup.

### 3. Quick access menu

Click on the channel with live video, the Quick access menu will pop-up, in which you can access PTZ, Instant Playback, Snapshot, Digital Zoom, Volume Control, Record and Camera settings.

### 4. Main menu

In Main menu, you can access the Channels, Playback, Record, Alarm, Storage, Backup, network, IVS, System and Maintenance settings.

## 2.2. Live-View Icon

There will be some icons showing on the channel live view window, which indicate the channel recording or alarming status. You can refer to the following sheet for channel recording or alarming status information.

Icon	Instruction	Icon	Instruction
	Recording...		Alarm enabled, but not triggered
	Connected by remote client		Alarming...

## 3. Startup and Power off

### 3.1. Boot up

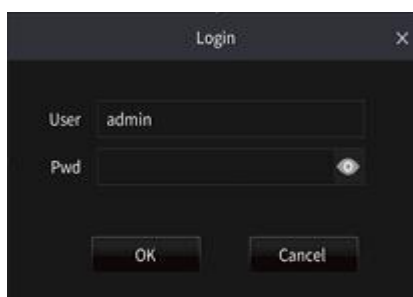
Make sure all the devices in the environment have been configured and connected properly. Power-on the NVR. NVR system will search and connect network camera in the environment automatically. After searching and adding, the system will display live-video of the cameras added.

#### Notes:

Only when the NVR boot up for first time, or there is no network camera added before, will the NVR search and add network camera automatically.

### 3.2. Login

After booting up and connecting the network cameras, the system is in multiple-channel display mode. You need to login for further operations. Click any item in menu, the Login dialog box appears.



**Note:** Three consecutive login attempt failure will result system alarm and mouse lock for 30sec.

### 3.3. Power off

Click the Start menu and navigate to Power



You can Logout, Reboot and Shutdown the NVR system.

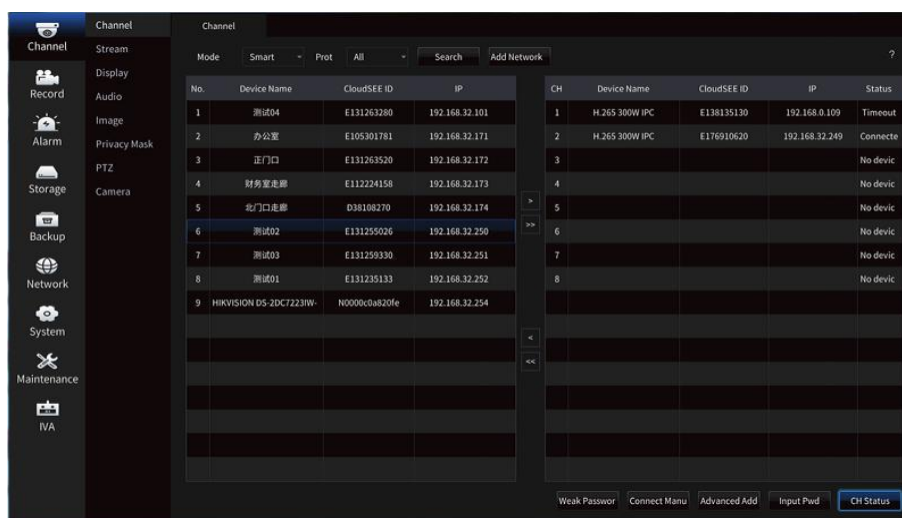
## 4. NVR System Configuration

### 4.1. Channel

In this Channel Menu, you can manage IP cameras, channel properties and IP Camera display settings etc.

#### 4.1.1 Channel

All the network cameras in the LAN can be automatically detected and listed by NVR. On the Main menu, click Channel, and Channel management dialog box appears. Click Search to detect all the network cameras in the LAN.



Select one camera and click **Add video source**, the camera will be added. Click **Add All** to add all detected cameras, but the number of added cameras cannot be more than the limit of NVR. Use **Advanced Add** to add ONVIF protocol network camera or add by AiCloud ID.

Select one added camera and click **Delete video source** to remove the camera and click **Remove All** to delete all added devices.

The NVR will connect camera with default account: admin & 123456, if the account of the camera is not admin & 123456, the status will display password wrong, please select the camera and click **Input Pwd** to

Icon	Instruction	Icon	Instruction
	Add video source		Delete video source
	Add All		Remove All

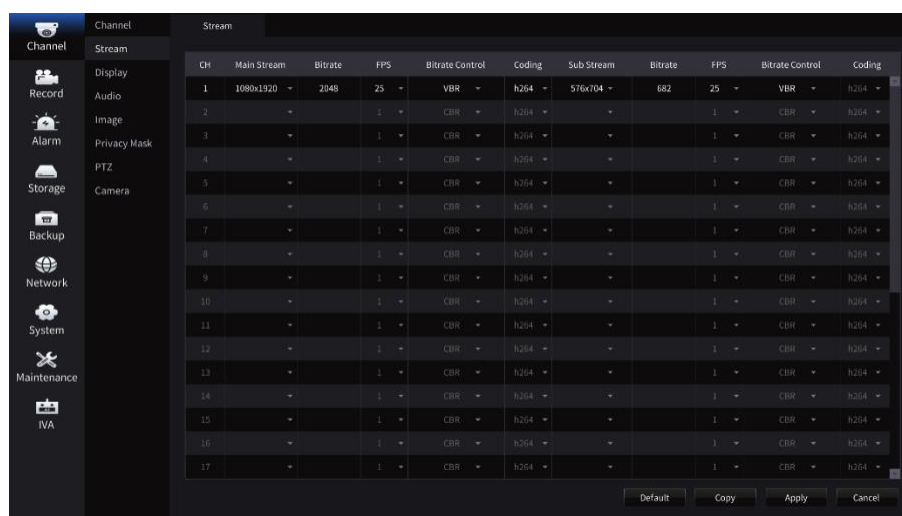
input username and password of the camera.

### 4.1.2 Stream

Our network camera supports dual stream for different usage, you can change the video settings for better performance, network transmission or longer-time storage.

**Main Stream:** Also called recording stream, used for recording, and if there is one channel full-screen displaying, this stream will be displayed.

**Sub Stream:** Also called Second stream or Minor stream, used for the live view if there are multi-channels displaying.



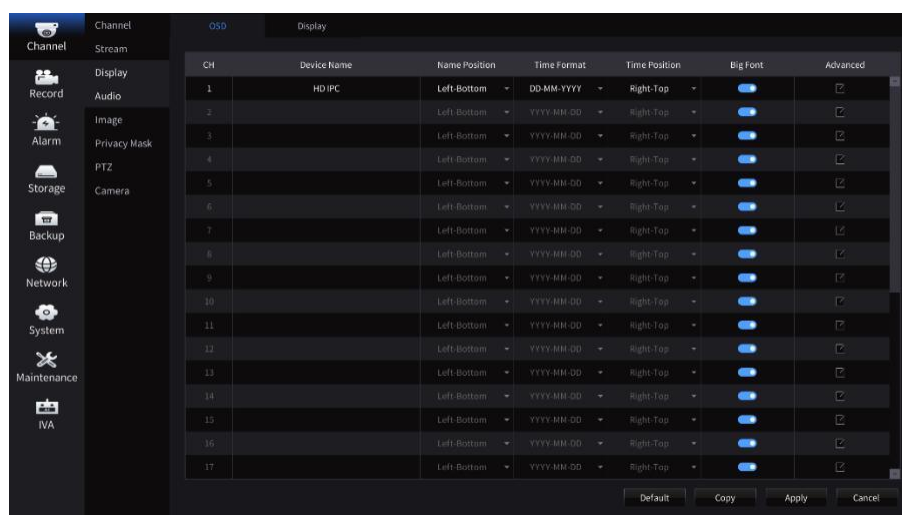
You can adjust the streaming property (Main Stream Resolution, Bitrate, FPS, Bitrate Control, Coding, Sub Stream Resolution etc.) of each channel here.

### 4.1.3 Display

In this menu, you can adjust the OSD and Display settings of each channel.

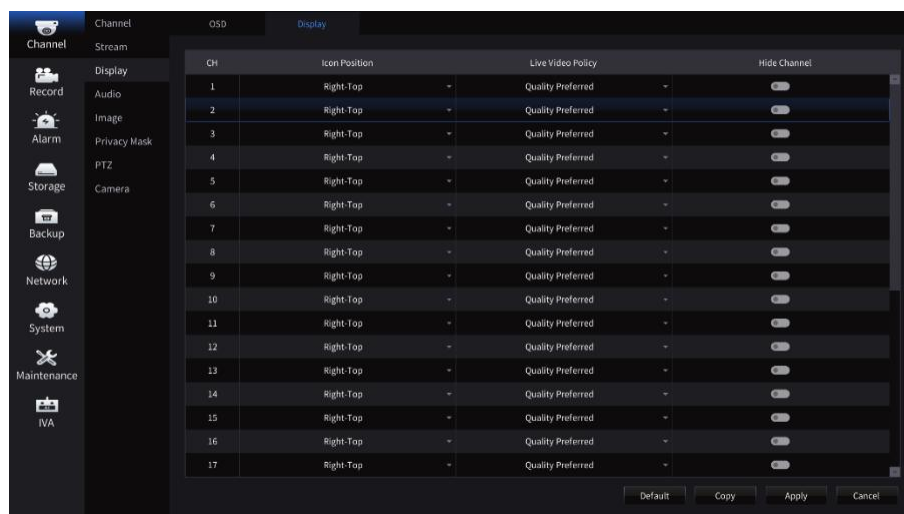
- OSD

In OSD, you can modify the Channel Name, Name Position, Time Format, Time Position, OSD Font Size and Advanced OSD options.



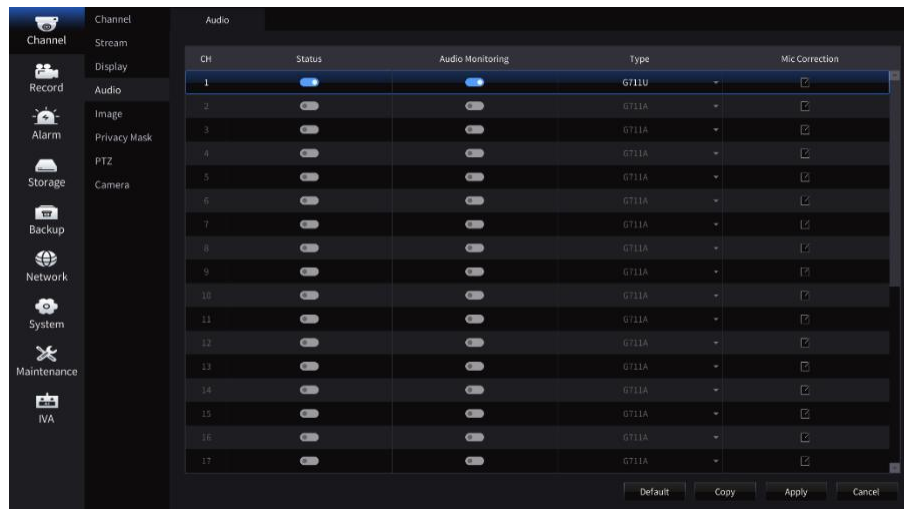
- Display

In this setting, you can manage the Icon Position, Live Video Quality and Hide Channels etc.



#### 4.1.4 Audio

If an IP Camera with built-in microphone or an external microphone connected to the IP Camera, you can enable audio recording or audio monitoring here. Also, you can change the Audio Coding Type and Mic correction values.



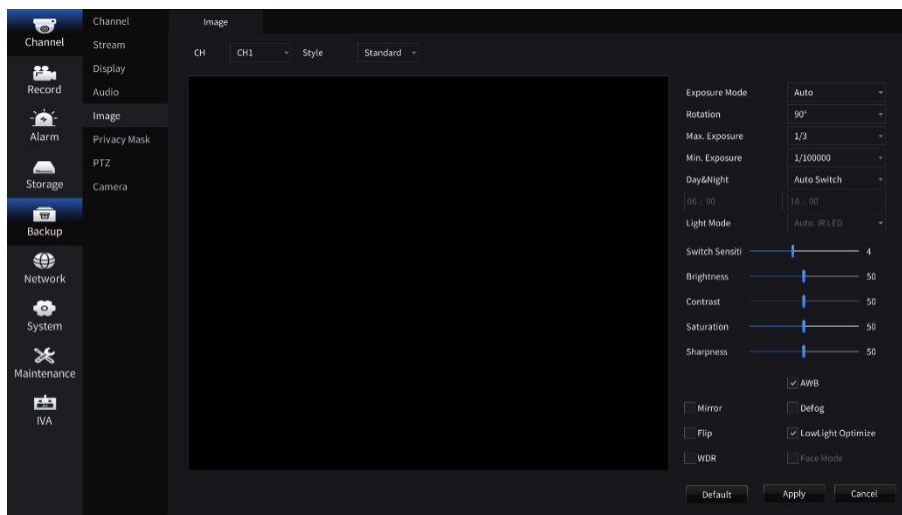
#### 4.1.5 Image

In this Image settings, you can adjust the video display properties of each channels.

- **Style:** Adjust the image style with three predefined modes. Standard, Soft and Vivid.
- **Exposure Mode:** There are three exposure modes available. Auto, HLC and BLC.
- **Rotation:** Support rotate None, 90°, 180°, 270°.
- **Max. Exposure:** The maximum exposure value you can adjust from 1/3 ~ 1/100000
- **Min. Exposure:** The minimum exposure value also you can adjust from 1/3 ~ 1/100000
- **Day & Night:** There are 4 options available. Auto, Color, Black&White. Scheduled Color.
- **Light Mode:** This option to choose IR LED or bright LED lights in the camera (Support only specific

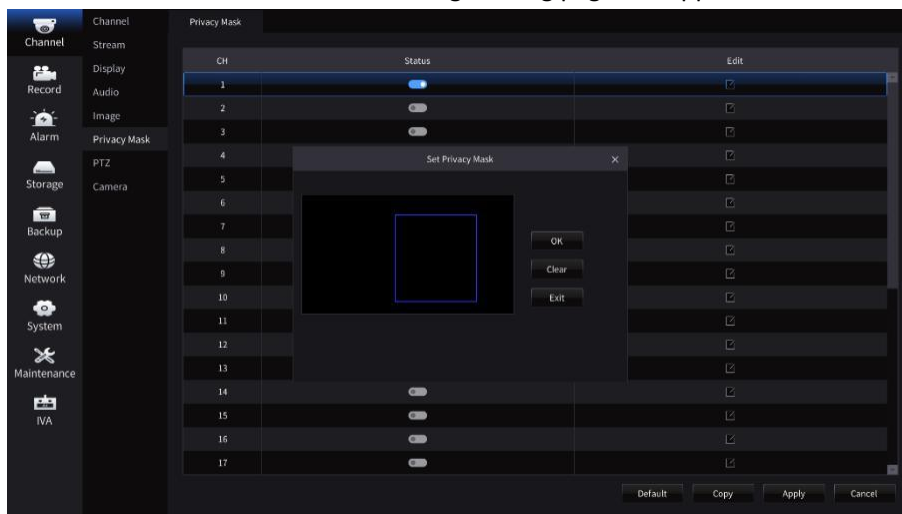
models)

- **Switch Sensitivity:** You can adjust the IP Cameras night vision switching sensitivity.
- **Brightness:** Set the brightness of the video
- **Contrast:** Set the difference in luminance or color that makes display distinguishable.
- **Saturation:** Saturation (Chroma) is the colorfulness of a color relative to its own brightness.
- **Sharpness:** Set the subjective perception of sharpness that is related to the edge contrast of the image.
- AWB, Mirror, Defog, Flip, Low Light Optimize, WDR, Face Mode: These are the additional option to adjust the IP camera according the scene.



#### 4.1.6 Privacy Mask

This function allows you to cover an area with a black block, both in live view and recording. Supports up to 4~8 private areas. Enable this function and click setting, setting page will appear.



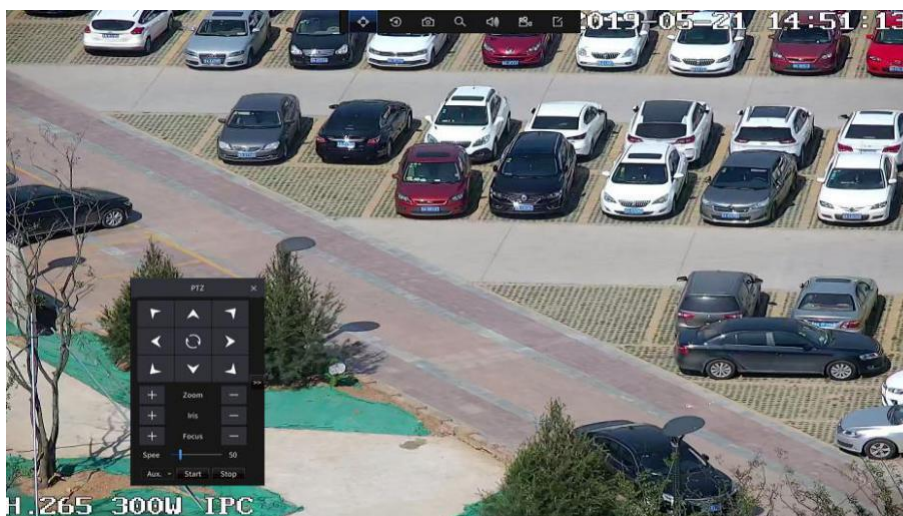
Drag the mouse and draw a rectangle covering the area you want, double-click to confirm. Right click on the rectangle to cancel the area.

#### 4.1.7 PTZ

There are two ways to access the PTZ (Pan Tilt Zoom) menu in this device. By Quick access menu or by Main menu.

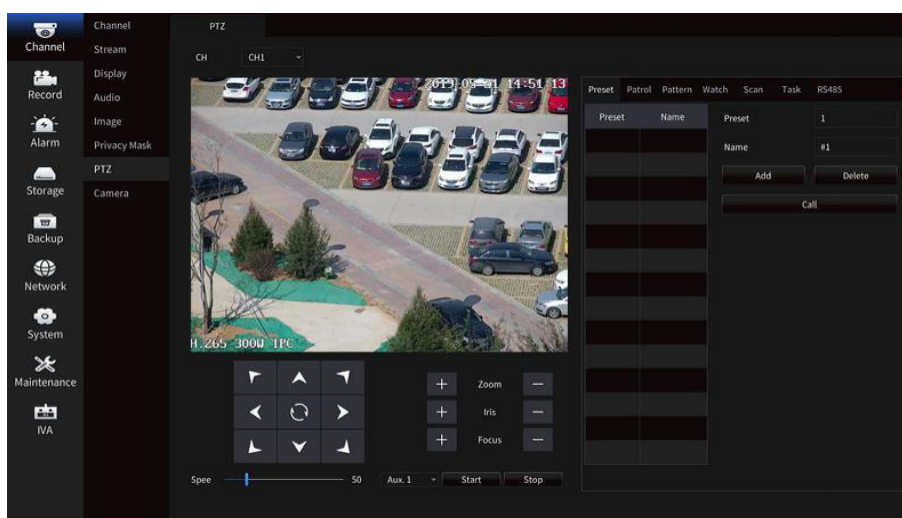
##### 1. By Quick access menu

Click on the channel with live video, and click the PTZ on the Quick access menu.



##### 2. By Main menu

Click on **Main menu** -> **Channel** -> **PTZ** to access the PTZ controls.



Here you can set PTZ direction, Speed, Focus, Zoom, Iris, Preset, Patrol, Pattern, Watch, Scan, Task and RS485 etc. Please click direction arrows to adjust PTZ position. There are 8 direction arrows. Click + and – to adjust Zoom, Focus and Iris.

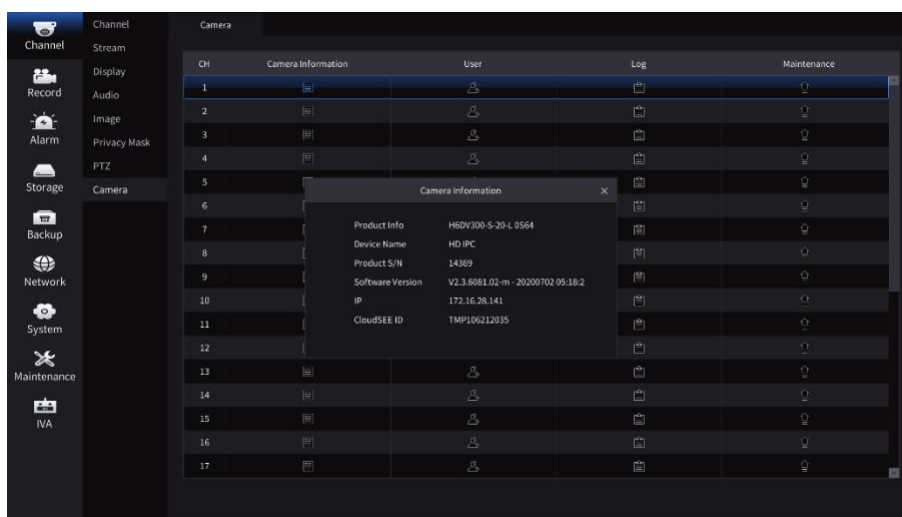
- **Preset:** Preset is a basic unit in PTZ function, it contains PTZ position and status information, with which a PTZ camera can turn to the position you set when clicking Call (or go to preset). You can also set a patrol line with several presets.
- **Patrol:** You can edit a patrol line with presets and stay time, the PTZ camera can rotate and zoom according to your setting.
- **Pattern:** Pattern (Trail) is set a patrol path pattern manually by using direction arrows instead of presets, the system will remember the path and save it.



- **Watch:** Watch (Guard) is to set a view position and duration to watch the point.
- **Scan:** The PTZ cameras can be programmed to move within the configurable PTZ limits (left/right, up/down). When scan limits are set, the H-Scan, V-Scan, Variable Scan, Random Scan, Frame Scan is performed only in the limited surveillance area.
- **Task:** A scheduled task is a preconfigured PTZ action that can be performed automatically at a specific time.
- **RS485:** You can set RS485 protocols here. (Please contact the local retailer or PTZ camera provider for proper settings.). Also, you can swap the PTZ controls here.

#### 4.1.8 Camera

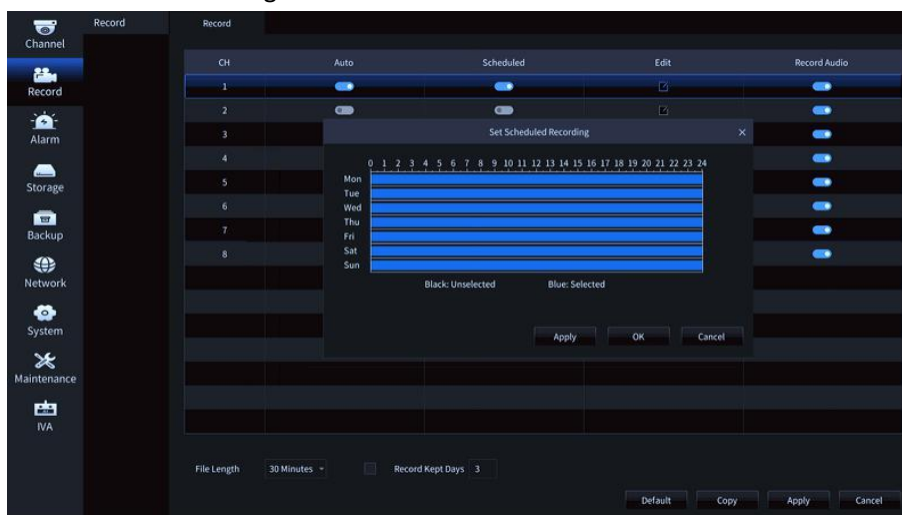
You can view the IP camera information and Logs. Also, manage IP Camera users update IP camera here.



### 4.2. Recording and Playback

#### 4.2.1 Recording

**Note:** After the system booted up, it is in 24-hour regular recording mode by default. If necessary, you can set record type and time in Record Settings: **Main menu -> Record**

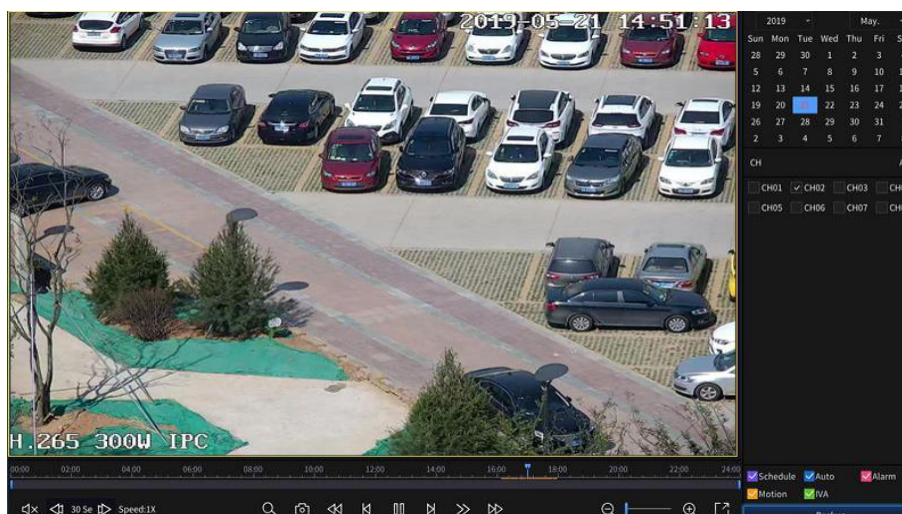


### 4.2.2 Playback

**Main Menu -> Playback**, then system will open video playback interface, shown as below:

Motion detection detects the moving objects in the configured surveillance area, and a series of actions can be taken when the alarm is triggered.

Click on the date and check-box of the channel needed. Then click on **“Play”** button. System will start video playback. Right-click to quit the video playback.



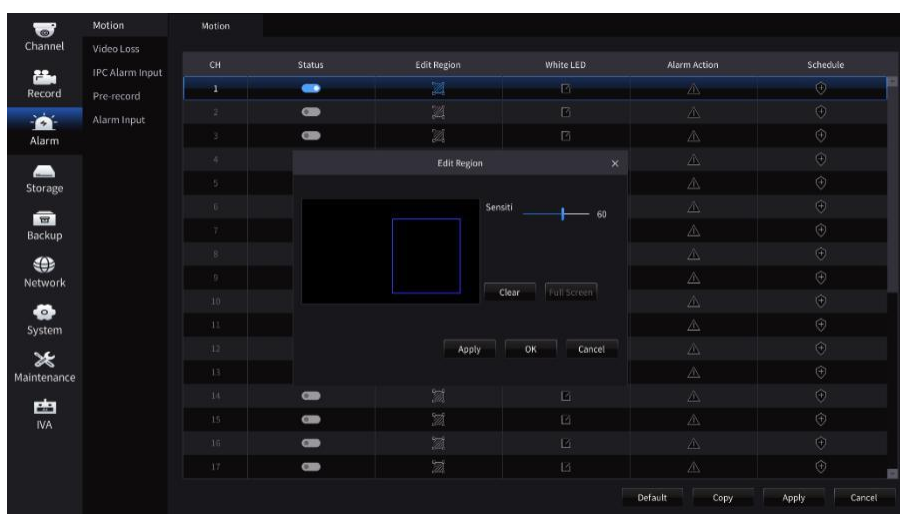
**Note:** For 16Ch NVR and above Playback, go to **Right Click menu-> Playback**.

### 4.3. Alarm

In this menu, you can set and manage alarm related options.

#### 4.3.1 Motion

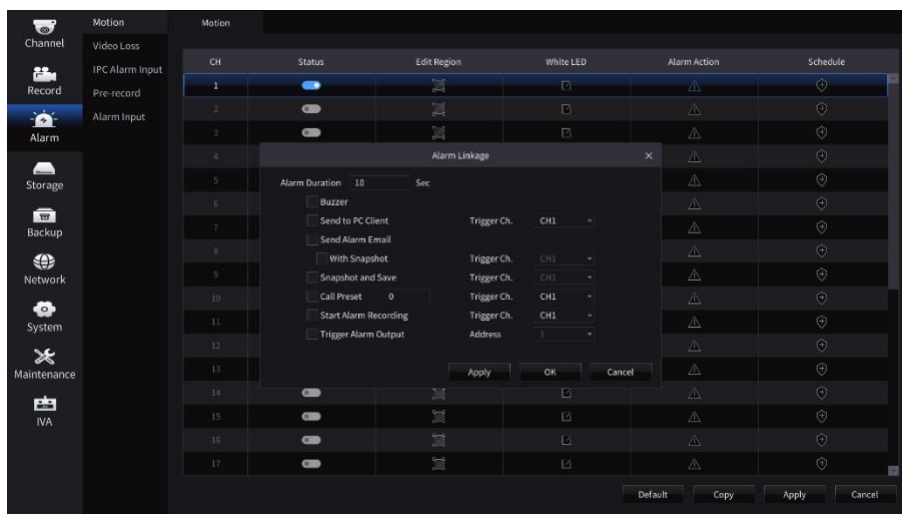
Motion detection detects the moving objects in the configured surveillance area, and a series of actions can be taken when the alarm is triggered.



Click Status Switch to enable the function for the channel. Press mouse button and drag to select the area. You can choose 4 areas at most for one channel. Sensitivity can also be set here. Click OK to save the settings. You can enable White LED for light up the when motion detects. (It supports only some specific models).

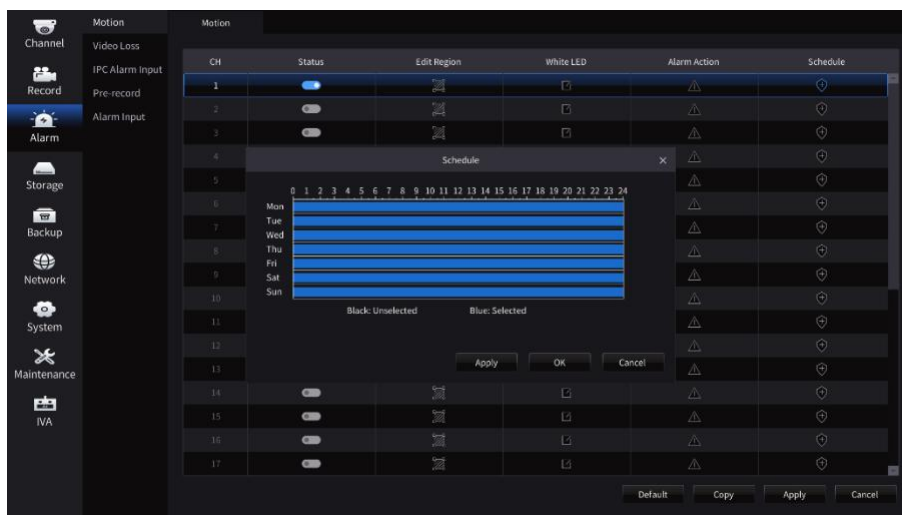


You need to set Alarm Action for each alarm function and channel separately to configure alarm actions the NVR should take when the alarm is triggered.



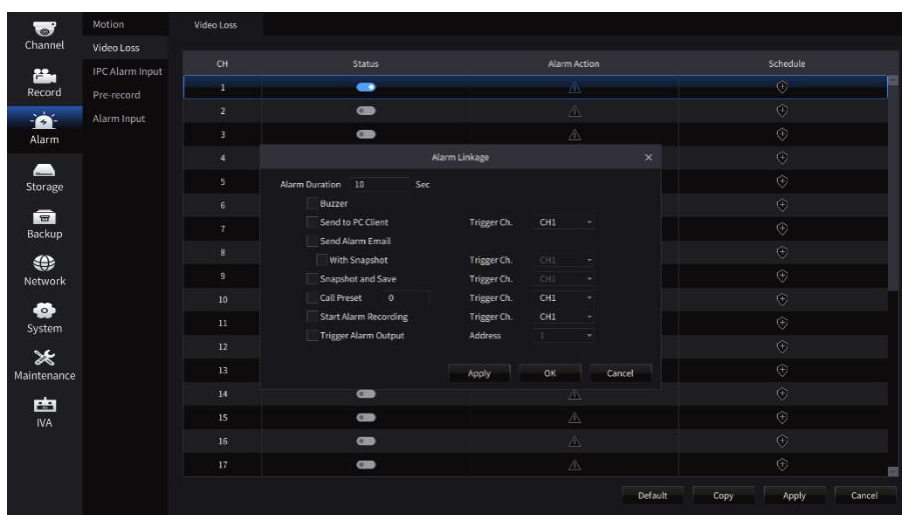
- **Alarm Duration:** Set a time the alarm will last for when the alarm is triggered, the new alarm will not be triggered until the previous alarm is finished.
- **Buzzer:** The buzzer inside the NVR will buzz when alarming.
- **Send to PC Client:** The remote client will alarm when alarming.
- **Send Alarm Email:** NVR will send alarm E-mail when alarming.
- **With Snapshot:** NVR will send alarm E-mail with a screenshot when alarming.
- **Call Preset:** NVR will call preset point when alarming. (For PTZ camera only)
- **Start Alarm Recording:** NVR will start recording when alarming.
- **Trigger Alarm Output:** Alarm device connects to NVR will work when alarming. (For some model with RS-485 port only)
- **Trigger Ch.:** Select the channel to take alarm action.

You can choose a time range during which the motion detection or no video alarm will be enabled. The alarm will be disabled automatically in another time period.



### 4.3.2 Video Loss

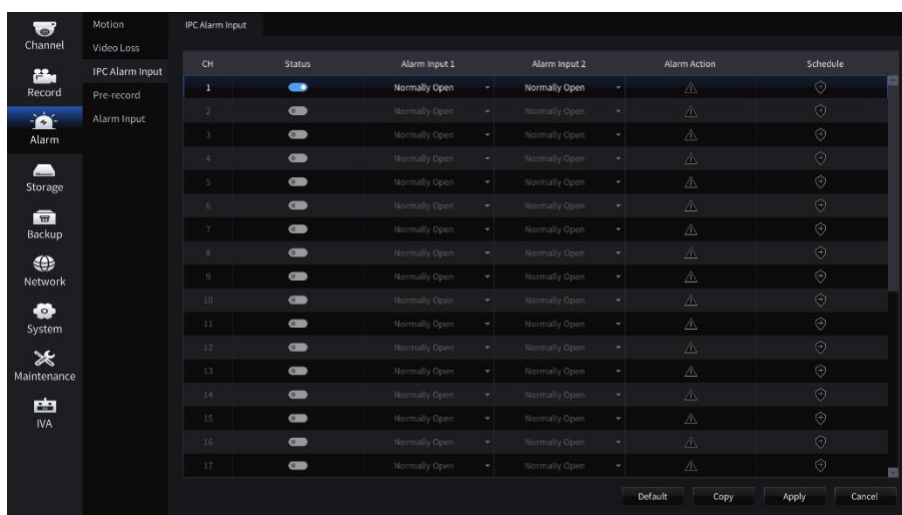
Click Status Switch to enable the function for the channel. if the camera is disconnected or lost video, NVR will alarm.



You need to set Alarm Action to configure alarm actions the NVR to take when the alarm is triggered. Also, you can schedule the alarm. Please refer to [4.3.1 Motion](#).

### 4.3.3 IPC Alarm Input

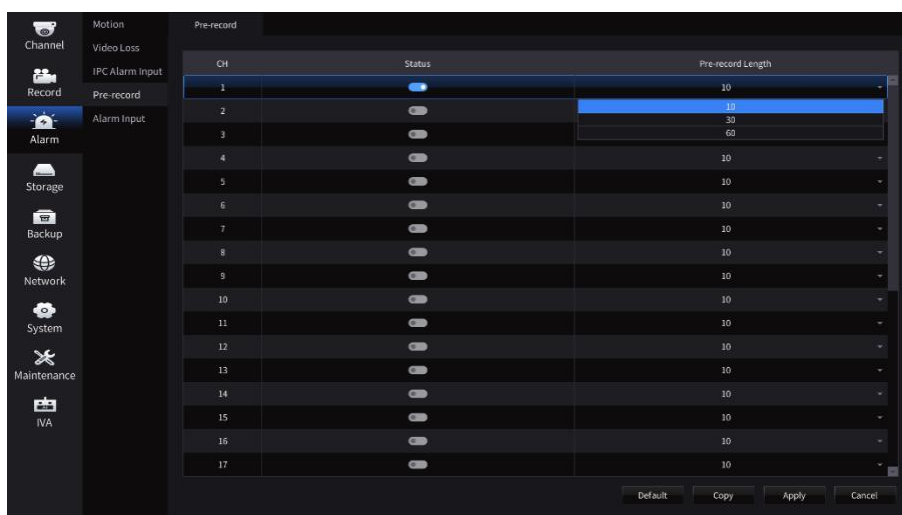
If the IP Camera support Alarm Input, you can manage the alarm input here.



For Alarm Action and Schedule, please refer to [4.3.1 Motion](#)

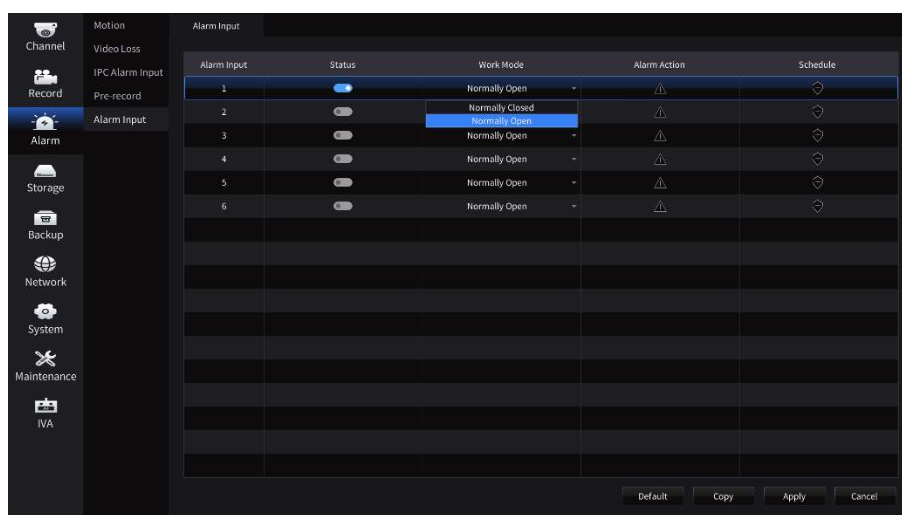
#### 4.3.4 Pre-record

Here you can set the amount of time that will be recorded before an event occurs. Click Status Switch to enable the function for the channel and you can set the Pre-record Length as 10, 30 or 60 Sec.



#### 4.3.5 Alarm Input

In this menu, you can configure and manage NVR alarm input. (It supports only some specific models)



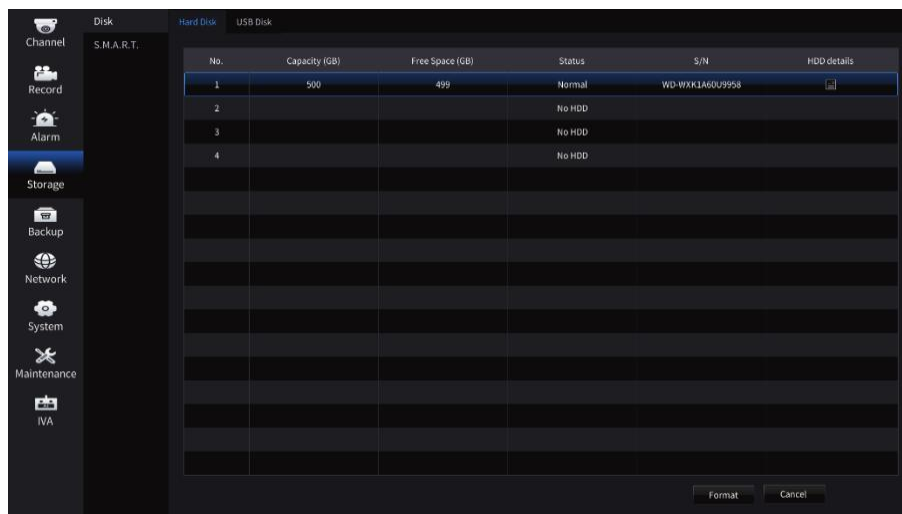
Click Status Switch to enable the function for the channel then select Work Mode. For Alarm Action and Schedule, please refer to [4.3.1 Motion](#)

## 4.4. Storage

You can view storage information and manage the storage devices here.

### 4.4.1 Disk

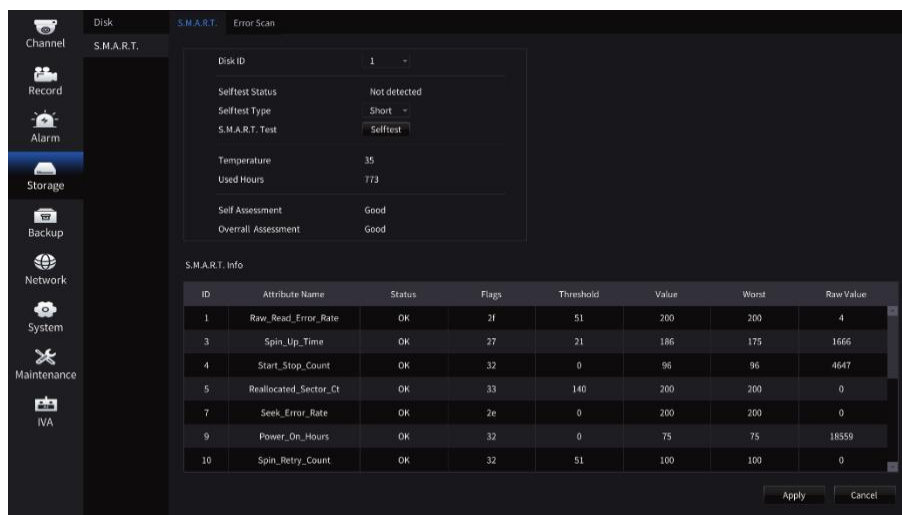
You can view Hard Disk and USB Disk Information here as well as you can format it.



### 4.4.1 S.M.A.R.T

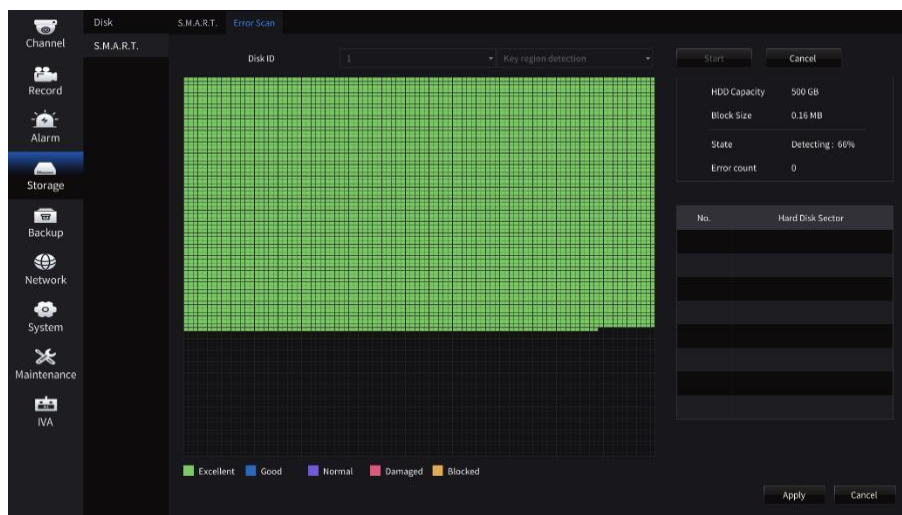
- S.M.A.R.T

This SMART is a tool for assessing hard drive current state, i.e. HDD self-testing. This hardware-software set predicts the time of HDD wearing and records several other important characteristics regarding storage device performance and hard disk errors.



- Error Scan

It scans the HDD error real time and display it in different colors.

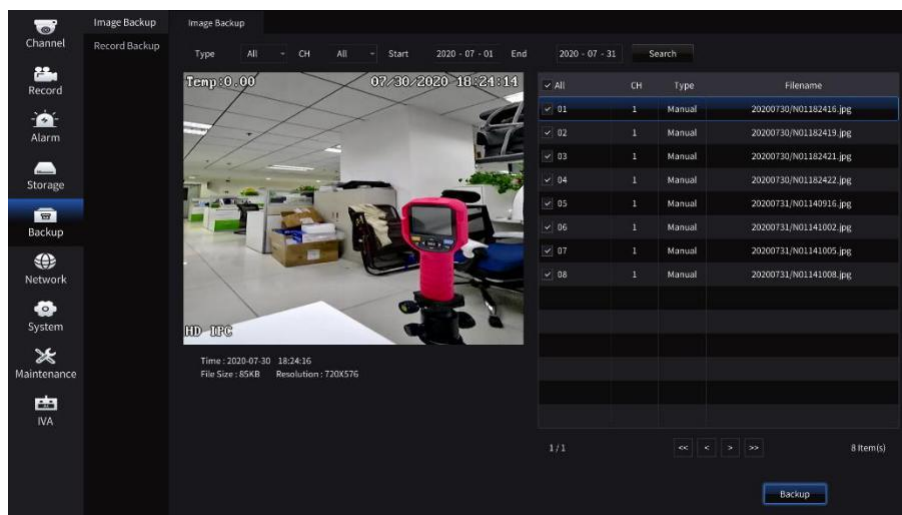


## 4.5. Backup

You can view snapshots and video recordings here and can back up to an external storage device.

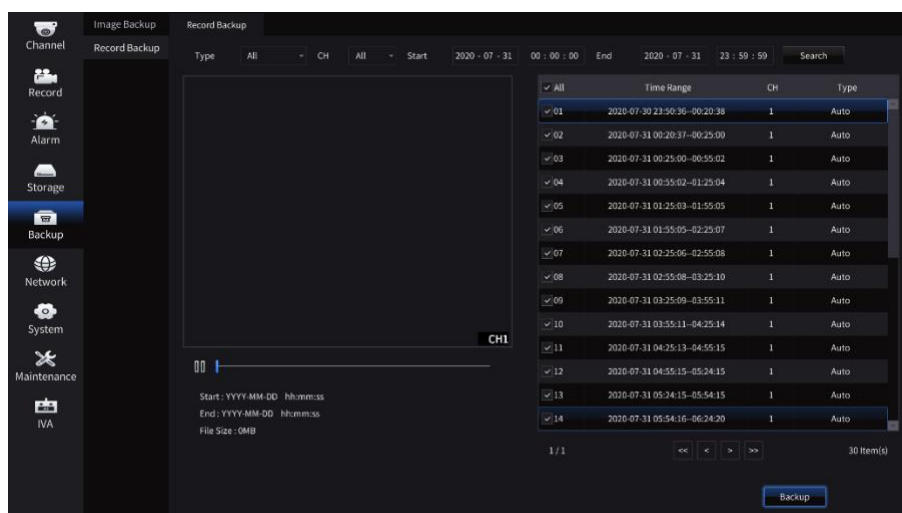
### 4.4.1 Image Backup

Here you can search the snapshot stored in NVR HDD and back up to an external storage device like USB. Select type of snapshot (All, Manual, Alarm, Playback), Select Channel, Start Date and End Date, then search it. Once the snapshots loaded in the table, select the snapshots you want to back up. Click Backup to back up the selected snapshots to connected external storage in the NVR. The snapshot contents can see on the preview area.



### 4.4.2 Record Backup

Same as snapshot backup, you can back up recorded videos to an external storage device. Select type of recording (All, Scheduled, Auto, Alarm, Motion, IVA), Select Channel, Start and End Date & Time, then search it. Once the recordings loaded in the table, select the records you want to back up. Click Backup to back up the selected video footage to connected external storage in the NVR. The video footage can preview on the frame.

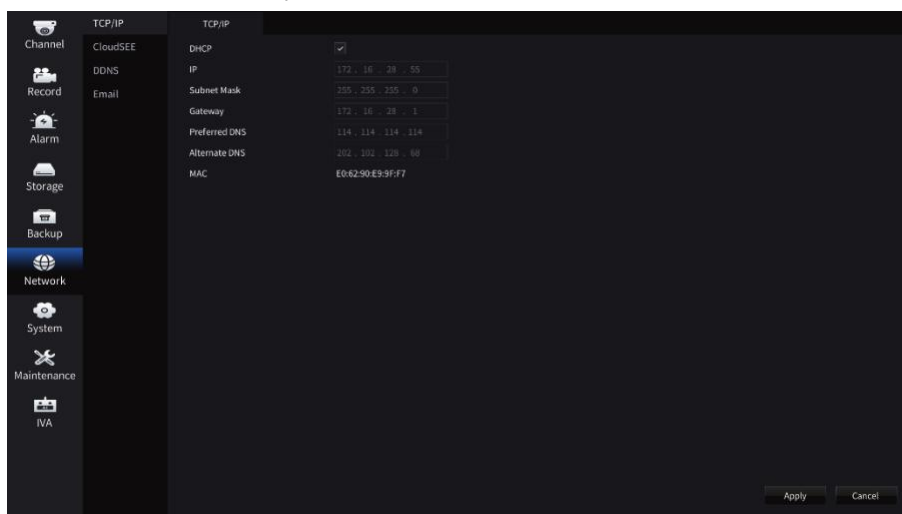


## 4.6. Network Setup

In this menu, you can setup IP Address of NVR, DDNS and configure email.

### 4.6.1 TCP/IP

Here you can set the NVR IP Address. By default, the device is in DHCP Mode.

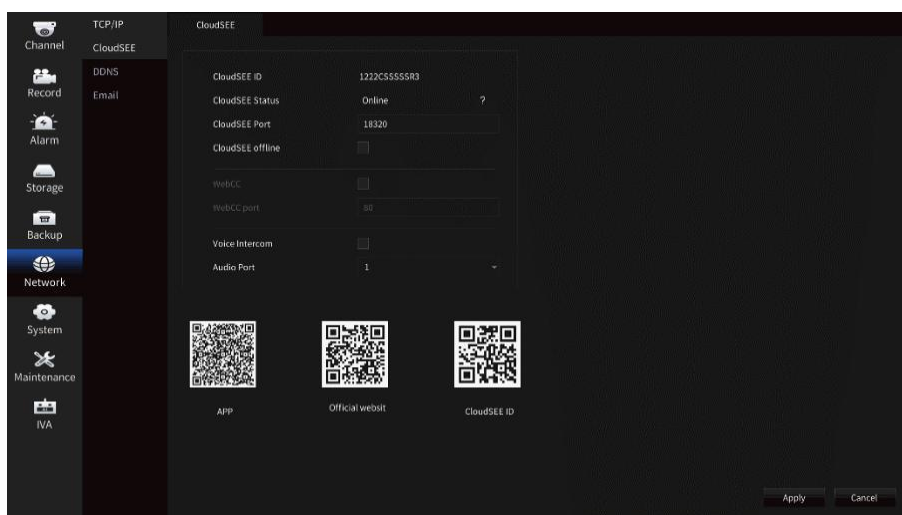


Select “**DHCP**”, if your network has DHCP server. Unselect “**DHCP**”, and input the network information, if your network uses static IP.

**Note:** After 24hr., the NVR will automatically change the DHCP mode to Static IP Address mode.

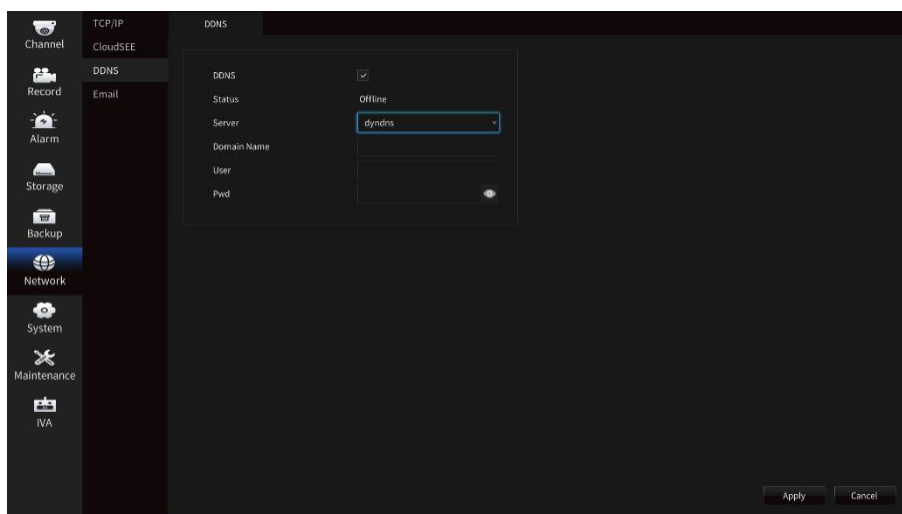
### 4.6.2 AiCloud

AiCloud is a new worldwide multi-server based remote surveillance technology that allows users to view their surveillance system from anywhere in the world without changing any networking setting at the host location. Here you can find the AiCloud ID for remote access and AiCloud Port if you are using Client software to access the system.



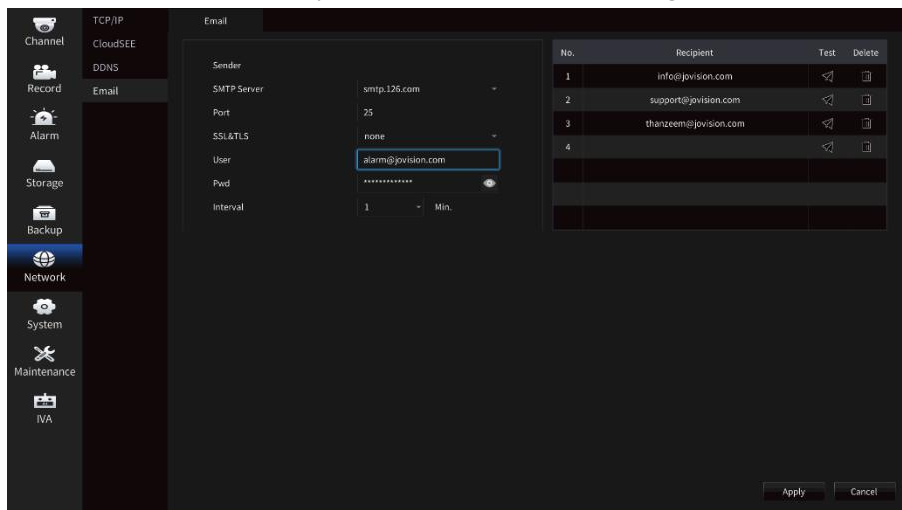
#### 4.6.3 DDNS

DDNS used to access the NVR via the address which is specified in the DDNS settings from external network.



#### 4.6.4 Email

Click on **Main menu -> Network -> Email**, you can access the Email settings



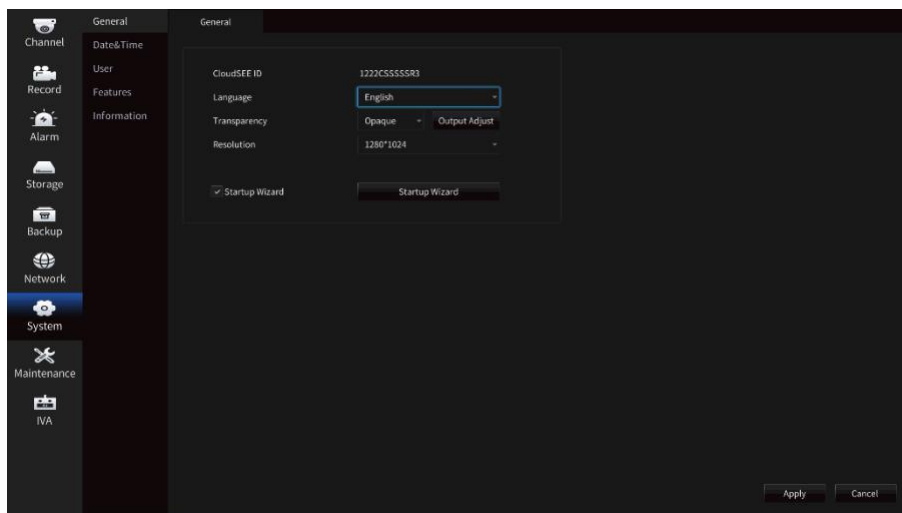
Here you can set the SMTP Server address, Port, SSL/TLS Encryption protocol, Username (must be full email address), Password, Email interval and Recipient email addresses. Also, you can test the email by sending a test mail and delete the recipients.

## 4.7. System

Here you can manage basic system settings

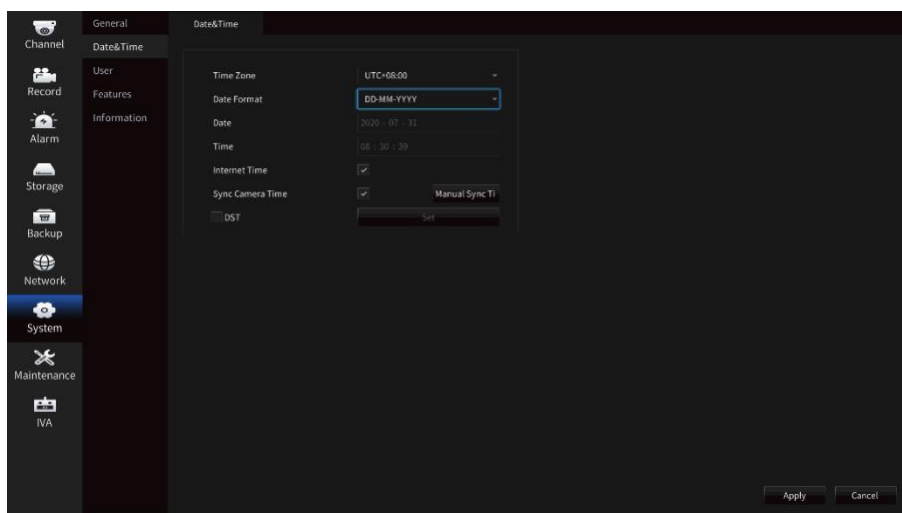
### 4.7.1 General

In this setting, you can see the AiCloud ID, Change NVR Language, UI Transparency, Display Resolution etc.



### 4.7.2 Date & Time

Here you can set the NVR Date and Time by setting Time Zone, Date Format, Date, Time, Internet Time, DST etc. Also, you can Sync NVR date and time with IP Cameras.

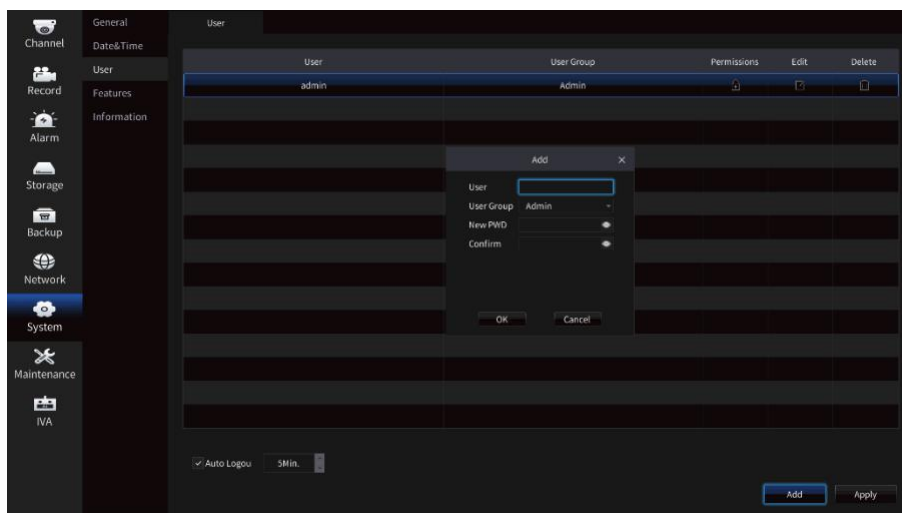




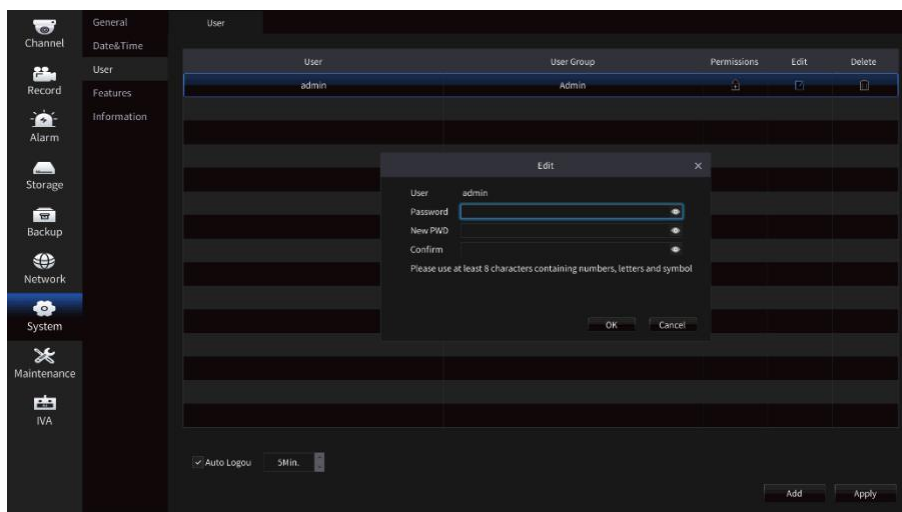
### 4.7.3 User

Here you can manage the NVR user accounts. In this setting, you can Add new user(s) or Edit existing user(s), Set Permission to the user(s) and Remove user(s).

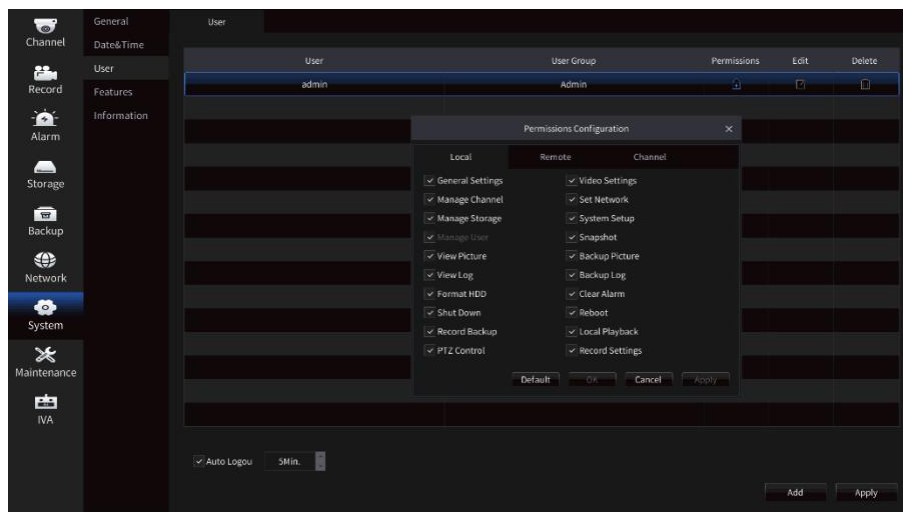
- Add User



- Edit User

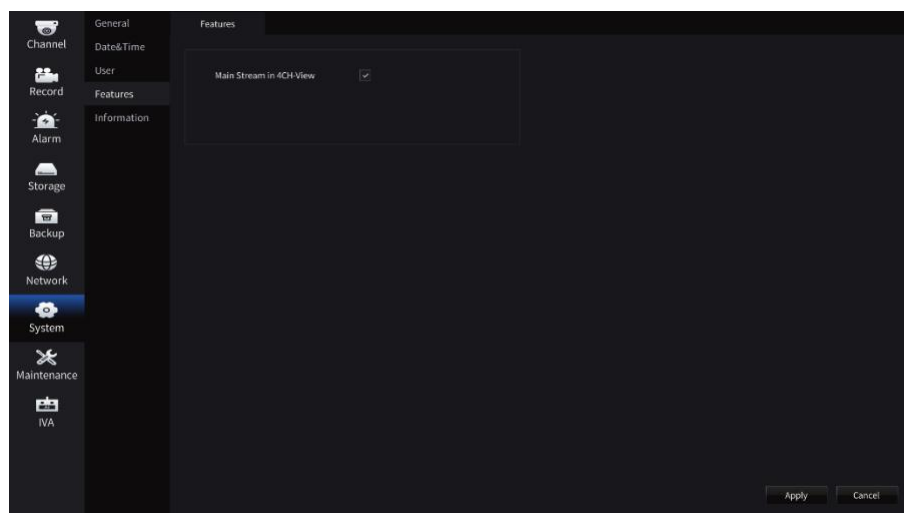


- Set Permission



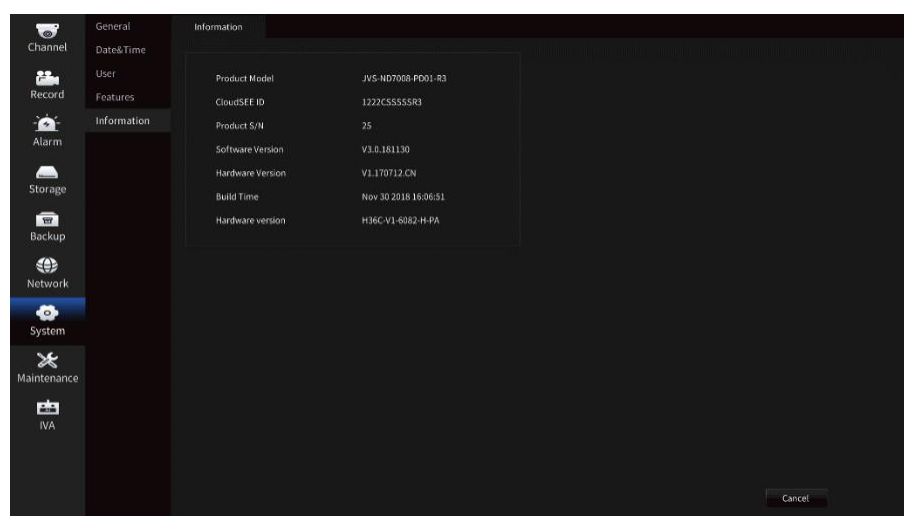
#### 4.7.4 Features

Here you can set the first 4 channel in Main stream.



#### 4.7.5 Information

In this menu, you can view the Product Model Number, AiCloud ID, Product S/N, Software Version, UI Version, Build Time and Hardware Version.

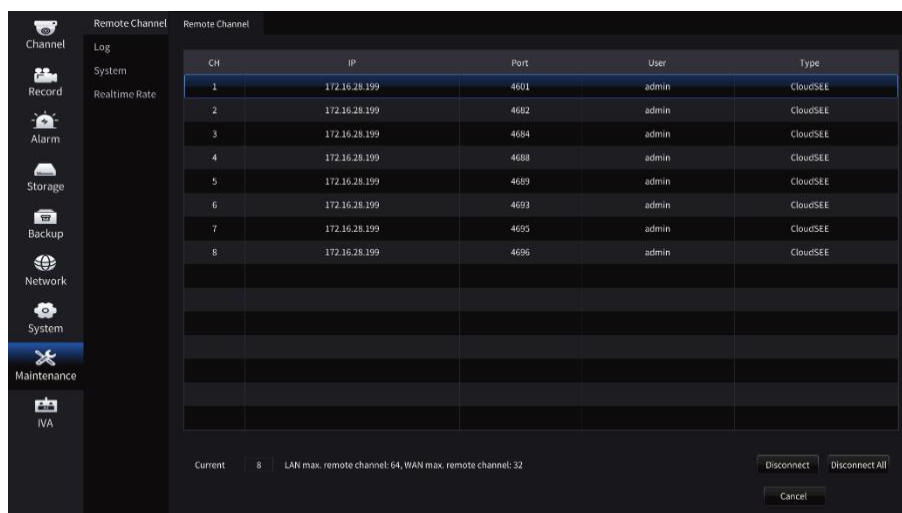


### 4.8. Maintenance

In Maintenance menu, you can manage Remote connections, System log, System operations, Realtime data traffic.

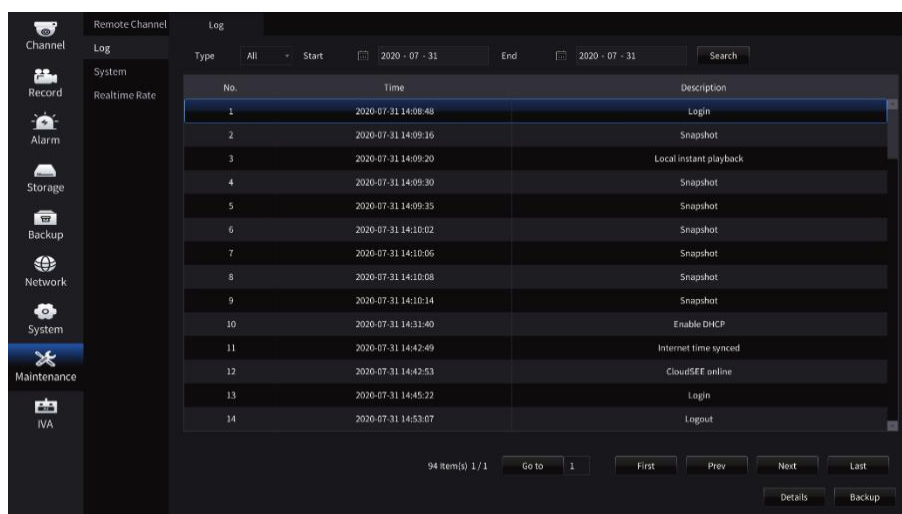
#### 4.8.1 Remote Channel

If you want to connect the NVR to PC with PC client software, there is a limit on the number of connections. All remote clients connecting to this NVR can be checked on this menu. You can find how many remote connections or disconnect these connections.



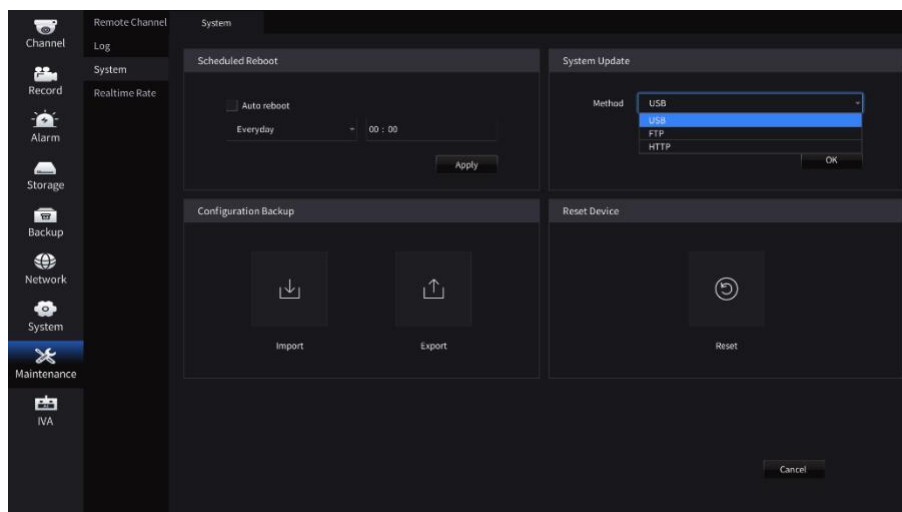
### 4.8.2 Log

You can check or backup NVR logs here



### 4.8.3 System

You can update the NVR here. There are three methods to update the NVR: USB, FTP and HTTP update.

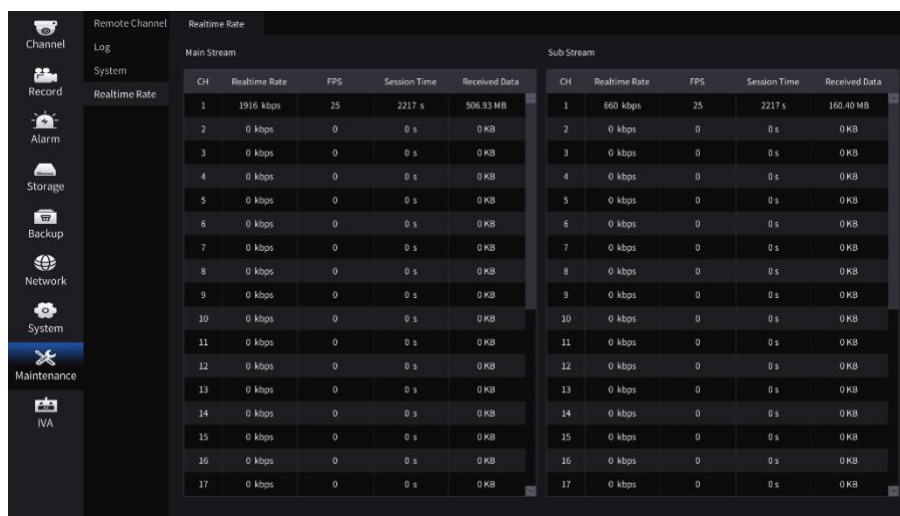


- **USB:** Choose USB in update type pull-down menu, insert USB flash disk with update files in its root directory, select the update file and click update to update the NVR.
- **FTP:** Choose FTP in update type pull-down menu. Input the FTP address and click update.
- **HTTP:** Choose HTTP in update type pull-down menu, select a server, and click update.

Also, you can set the NVR reboot schedule here. Import and Export the NVR configuration and Factory default NVR.

#### 4.8.1 Realtime Rate

In this menu, you can see the Realtime data traffic of Main Stream and Sub Stream of each channels.



Main Stream					Sub Stream				
CH	Realtime Rate	FPS	Session Time	Received Data	CH	Realtime Rate	FPS	Session Time	Received Data
1	1916 kbps	25	2217 s	506.93 MB	1	660 kbps	25	2217 s	160.40 MB
2	0 kbps	0	0 s	0 KB	2	0 kbps	0	0 s	0 KB
3	0 kbps	0	0 s	0 KB	3	0 kbps	0	0 s	0 KB
4	0 kbps	0	0 s	0 KB	4	0 kbps	0	0 s	0 KB
5	0 kbps	0	0 s	0 KB	5	0 kbps	0	0 s	0 KB
6	0 kbps	0	0 s	0 KB	6	0 kbps	0	0 s	0 KB
7	0 kbps	0	0 s	0 KB	7	0 kbps	0	0 s	0 KB
8	0 kbps	0	0 s	0 KB	8	0 kbps	0	0 s	0 KB
9	0 kbps	0	0 s	0 KB	9	0 kbps	0	0 s	0 KB
10	0 kbps	0	0 s	0 KB	10	0 kbps	0	0 s	0 KB
11	0 kbps	0	0 s	0 KB	11	0 kbps	0	0 s	0 KB
12	0 kbps	0	0 s	0 KB	12	0 kbps	0	0 s	0 KB
13	0 kbps	0	0 s	0 KB	13	0 kbps	0	0 s	0 KB
14	0 kbps	0	0 s	0 KB	14	0 kbps	0	0 s	0 KB
15	0 kbps	0	0 s	0 KB	15	0 kbps	0	0 s	0 KB
16	0 kbps	0	0 s	0 KB	16	0 kbps	0	0 s	0 KB
17	0 kbps	0	0 s	0 KB	17	0 kbps	0	0 s	0 KB

### 4.9. IVA

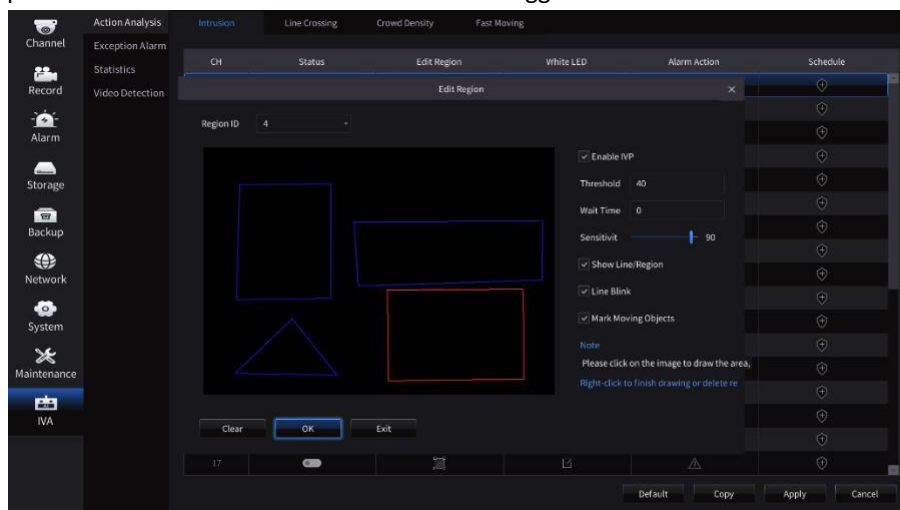
IVA is the Intelligent Video Analytic functions of NVR.

#### 4.9.1 Action Analysis

In this menu, you can manage Region Intrusion, Line Crossing, Crowd Density and Fast-Moving Object Detections.

- Intrusion

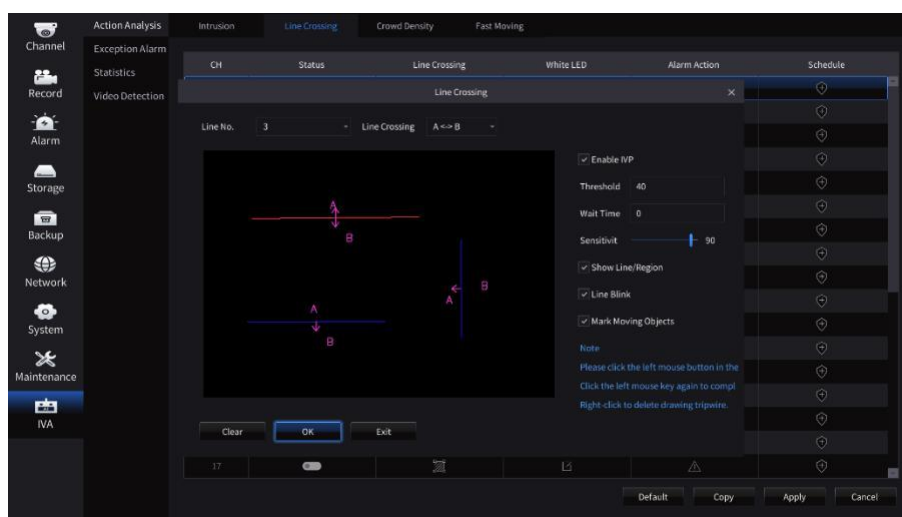
The Intrusion Detection Function detects people, vehicles, or other objects that enter and loiter in a pre-defined virtual region. Specific actions can be taken when an alarm is triggered. You can draw maximum of 4 regions.



For Alarm Action and Schedule, please refer to [4.3.1 Motion](#)

- Line Crossing

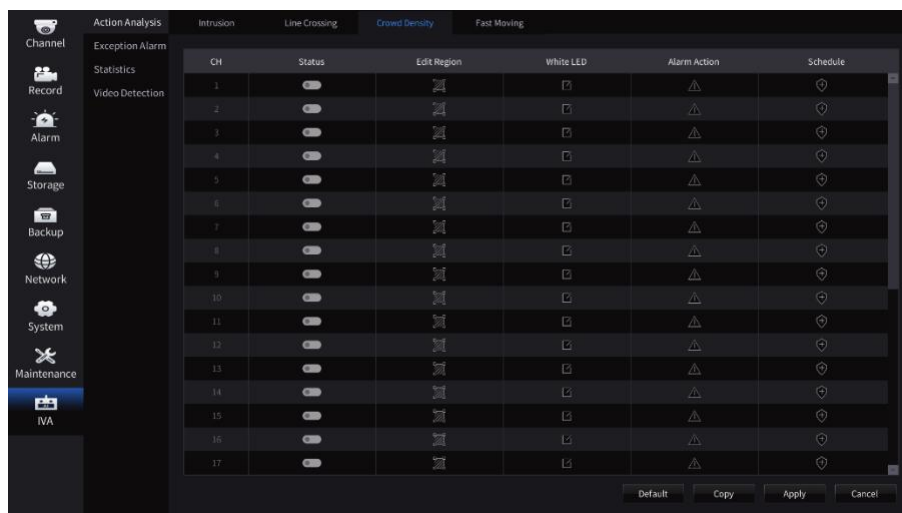
Line crossing detection detects people, vehicles, and objects crossing a set virtual line. The detection direction can be set as bidirectional, from left to right or from right to left. You can draw maximum of 4 regions.



For Alarm Action and Schedule, please refer to [4.3.1 Motion](#)

- Crowd Density

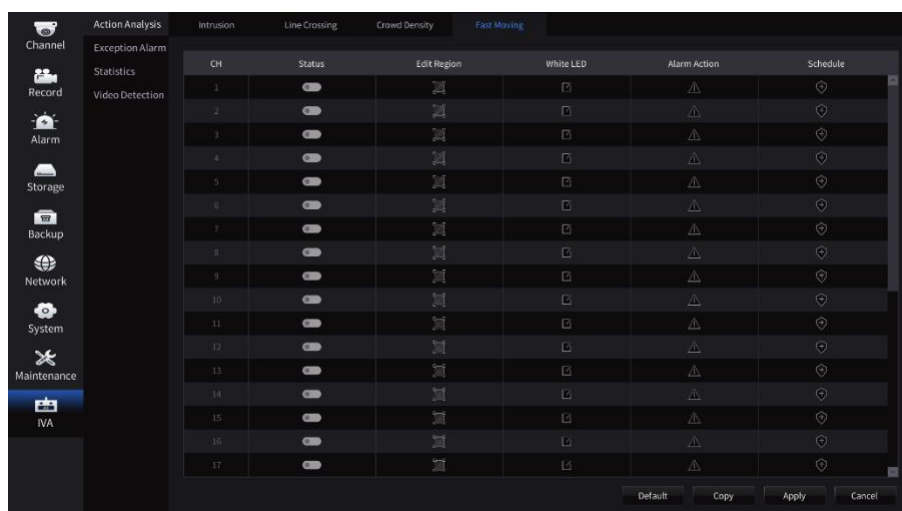
Crowd density detect the density of crowd in a pre-defined virtual region. If the density level exceeds the pre-set threshold, specific actions can be taken when an alarm is triggered. You can draw maximum of 4 regions.



For Alarm Action and Schedule, please refer to [4.3.1 Motion](#)

- Fast Moving

Fast moving detection alarm is triggered when people, vehicle or other objects move fast in a pre-defined virtual region, and a series of actions can be taken when the alarm is triggered. You can draw maximum of 4 regions.



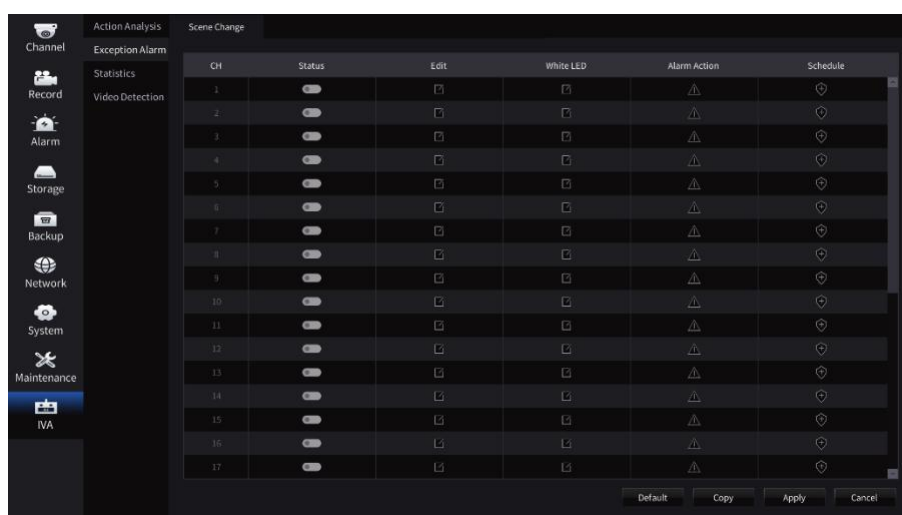
For Alarm Action and Schedule, please refer to [4.3.1 Motion](#)

### 4.9.2 Exception Alarm

Exception Alarm can be configured to take the event hint in the Live View window and trigger alarm and a series of actions can be taken.

- Scene Change

Scene change detection detects the change of the surveillance environment affected by external factors such as intentional rotation of the camera.



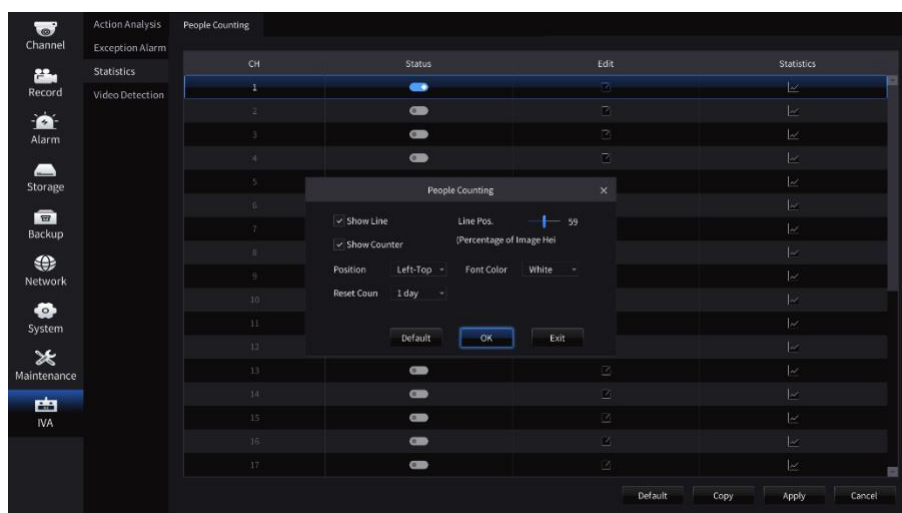
For Alarm Action and Schedule, please refer to [4.3.1 Motion](#)

### 4.9.3 Statistics

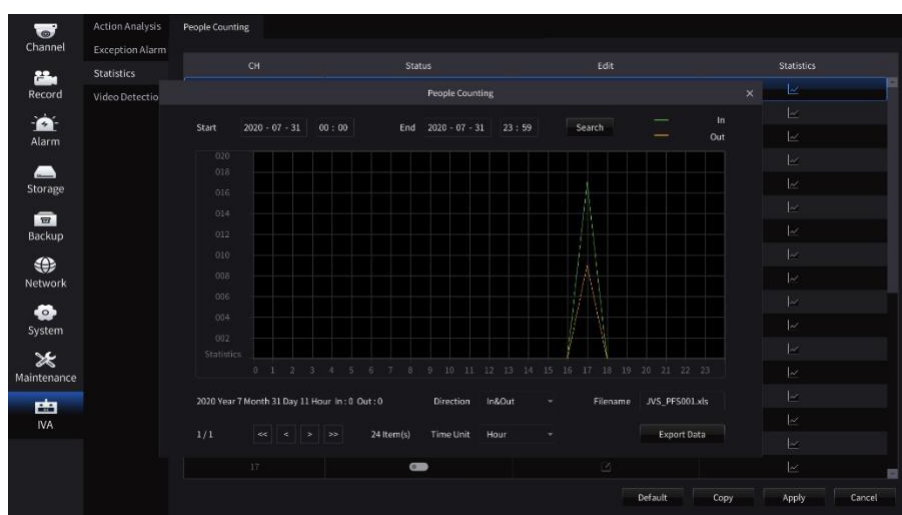
Statistics functions in the NVR provides data reports such as day report, month report and year report based on the analytical functions.

- People Counting

Counting calculates the number of people entering or leaving a configured area and creates daily/ weekly/ monthly/ annual reports for analysis.



Go to Statistics option to view the data as a line chart and you can export the report in Microsoft Excel format.

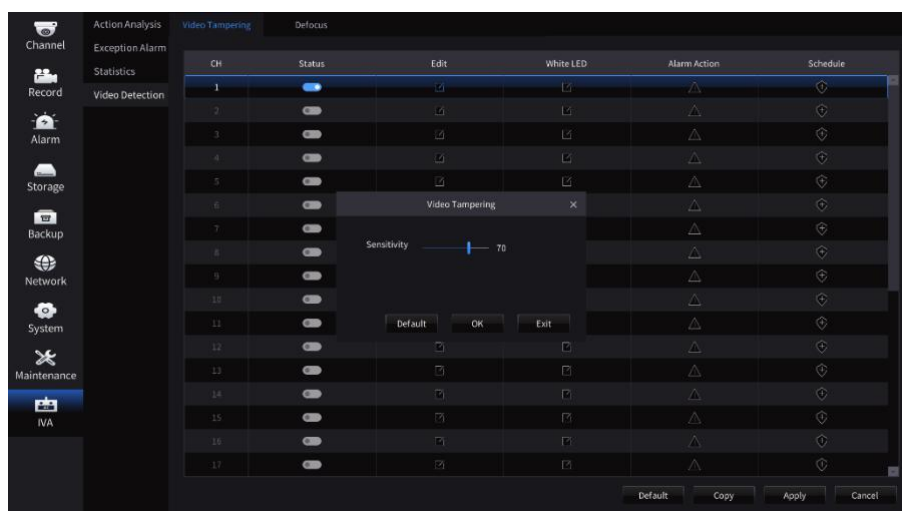


#### 4.9.4 Video Detection

In this menu, you can configure Video Tampering Detection and Defocus detection.

- Video Tampering

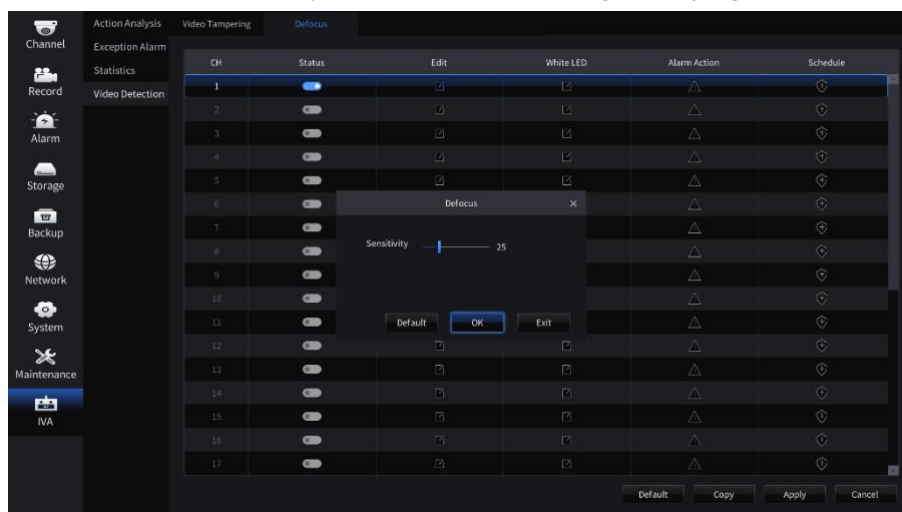
Video Tampering Detection triggered an alarm when someone trying to knock the camera down or blocking its view and takes alarm response action(s).



For Alarm Action and Schedule, please refer to [4.3.1 Motion](#)

- Defocus

Defocus detection is to detect if there is any image out of focus in the video and causes the image to become blurry. It can activate record, snapshot and alarm according to the judgment result.



For Alarm Action and Schedule, please refer to [4.3.1 Motion](#)






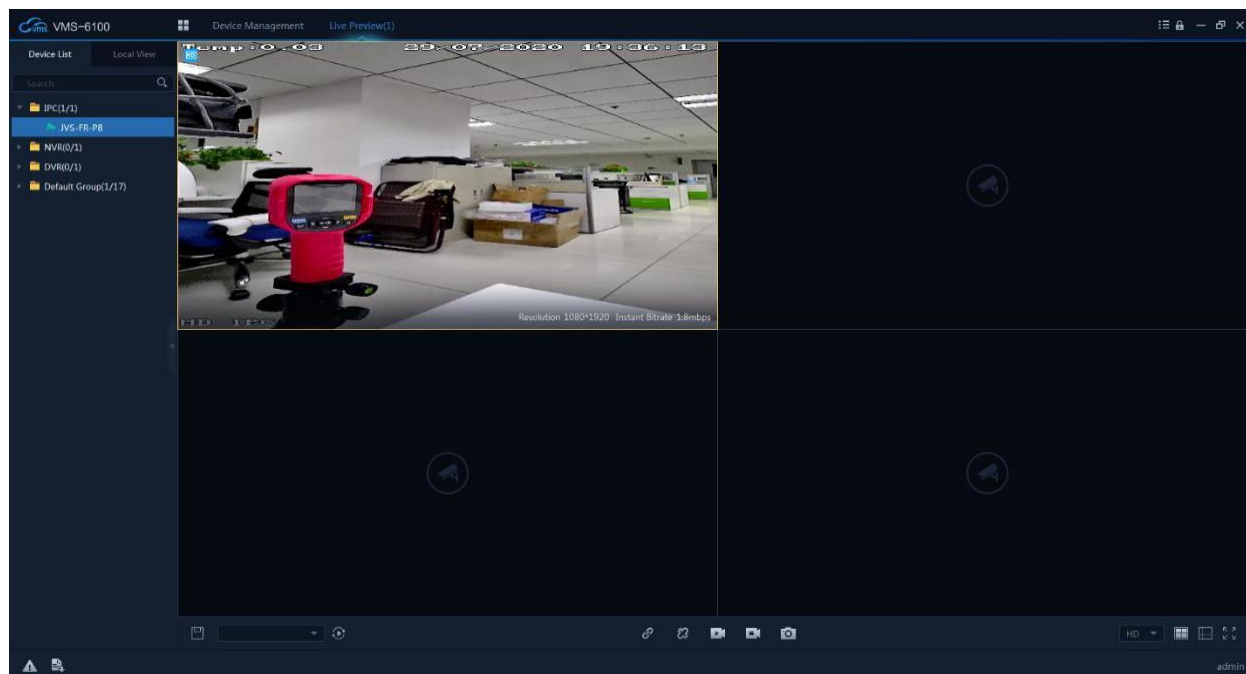
3. You can add device Manually by clicking Add Device in Manage Device list. You can add devices by IP/Domain, AiCloud ID or ONVIF Devices.

4. AIVMS will add device with default IP Camera account (Username: admin Password: <empty password>). If you changed the password, the device will not connect and show “Wrong Username or Password” in the Status.

Select	Name	CloudSEE ID	IP Address	Type	Channels	Version	Status	Operation
<input type="checkbox"/>	1 JVS-FR-P8	12321555E11P	172.16.28.141	IPC	1	V2.3.6081.02-m - 20200702...	Online	
<input type="checkbox"/>	2 KAMI	W23650711		DVR	16		Offline	
<input checked="" type="checkbox"/>	3 NVR_099H7	T62067423	172.16.28.55	NVR	32		Wrong Username or Password	

Double click the device or click , and input correct Username and Password. Click OK. The camera status will become Online.

5. Go to home page and click on Live Preview. Drag the device from Device list on left side to the channel. AIVMS will start video streaming on the live view window



## 5.2. AiCloud Int'l APP

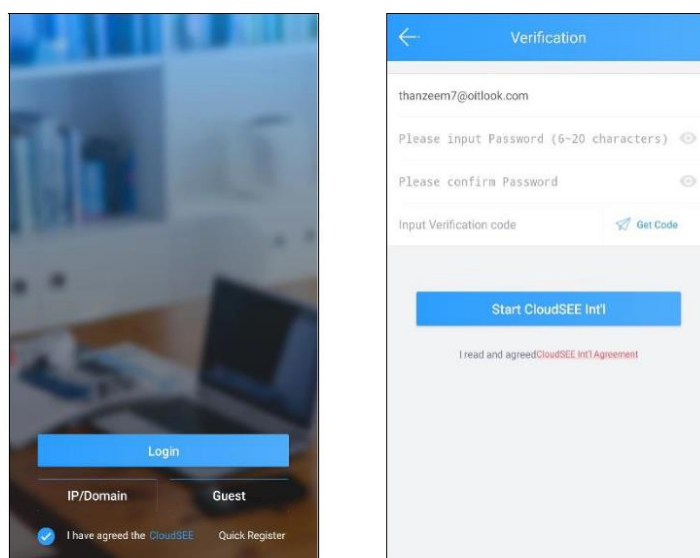
AiCloud Int'l App, makes it possible to watch camera live view on smart phone, supports all AiCloud products, including DVR, NVR, Network Camera, USB DVR and DVR cards.

**Note:**

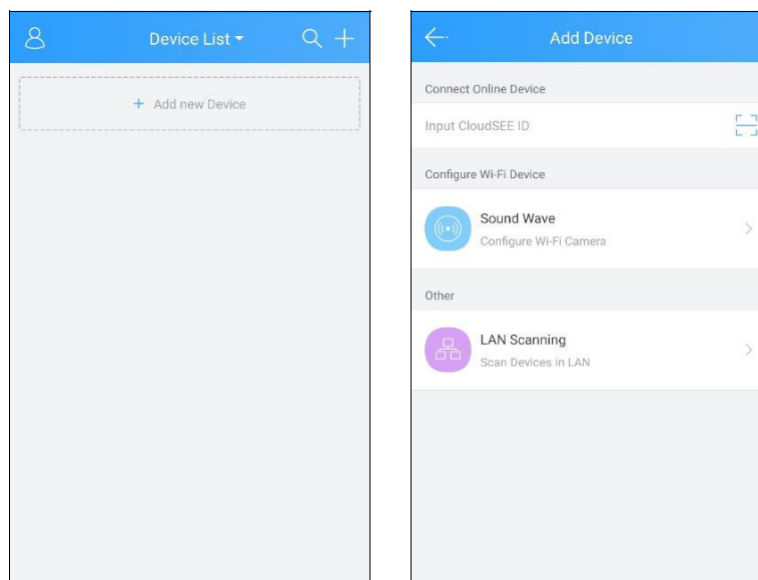
- The steps apply to both iOS and Android.
- You need to register a AiCloud account before using AiCloud service which is free. With AiCloud service account, devices list will automatically upload and store in cloud, and when you are login AiCloud Int'l with your account on other smart phones, you can access to all these devices without adding them again.

**Steps**

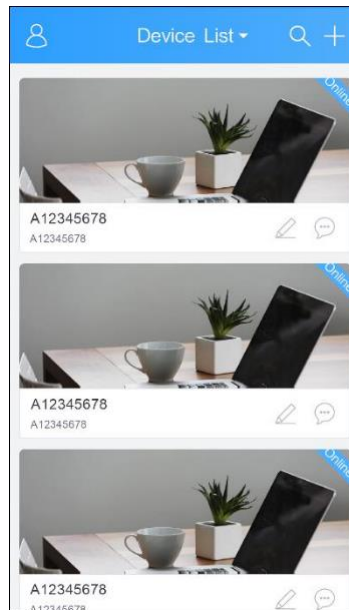
1. Open AiCloud Int'l app on smart phone, login with your AiCloud account



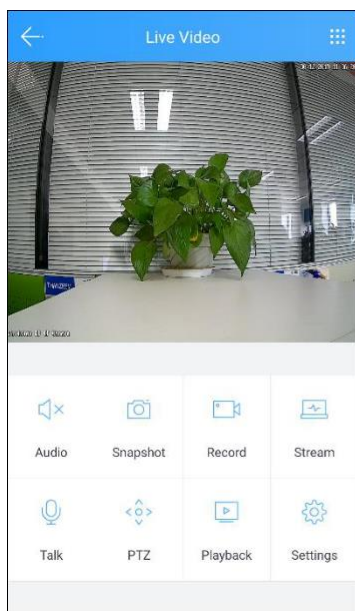
2. Tap  to Input **AiCloud ID**



3. The camera will appear in Device List



4. Tap the device, live video of the camera will display



## 6. Appendix

No.	Component	Units	Amount
1	NVR	PCS	1
2	Mouse	PCS	1
3	SATA cable	PCS	1
4	HDD power line	PCS	1
5	Quick Start Guide	PCS	0
6	Packing list	PCS	0
7	Certificate	PCS	0
8	Remote Controller (Optional)	PCS	0

**Notes: Accessories may vary due to different models, please take the actual model received as standard.**

## Technical support

If you have any problems with the NVR, please contact the dealer that you purchased from. If your problem still can't be resolved, please send an Email to the headquarter technical support team at: **support@interVision.ua** We welcome your valuable comments and suggestions on improving our products.