

# SMART DVR User Manual

## Attentions:

Do not place heavy objects on the equipment;

Do not allow any solid or liquid to fall or penetrate into the device;

Please periodically use the brush on the circuit board, connectors, chassis fan, chassis, etc. for dust, please turn off the power and unplug the adapter before dedusting.

Do not disassemble, repair, or replace the unit yourself.

## Usage environment:

Please place and use this device at a temperature of  $-10\text{ }^{\circ}\text{C} \sim 50\text{ }^{\circ}\text{C}$ , avoid direct sunlight or near heat source;

Do not install the device in a humid environment;

Do not expose the device to smoke, dusty environment;

Avoid strong collisions, please do not drop the device;

Please keep this product installed horizontally, installed in a stable place, pay attention to prevent the product falling;

Please install in ventilated place, do not block the vents of the device;

It can be used only within the rated input and output range.

**Note: The operations and pictures in this manual are based on 4-channel XVR.**

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This product is an excellent digital surveillance equipment with high definition designed specifically for the field of security. Embedded LINUX operating system, making the system more stable; using standard H.264MP video compression algorithms and a unique spatial and temporal filtering algorithm to achieve a high-quality, low bit-rate synchronous audio and video surveillance; powerful network services greatly enhance the ability of network data transmission and remote control capabilities.

## **Part one Basic Operation**

### **1. Basic Installation**

#### **1.1 Hard Disk Installation**

For the first time use, please install the hard disk. The quantity of Hard Disk is based on requirement and specifications of the device.

**Remark:** Device can run and monitor normally without hard disk, while it can't record and playback.

#### **1.2 Mouse Connection**

There are two USB ports with the device. These two USB ports could be used for mouse, U disk. Mouse connection is depend on products specifications based on different products.

### **2. Starting**

Plug the power supply and turn on the power supply switch (Some modes are without the switch). Power supply indicator light shining indicates turning on the video recorder.

**Remark:** Restart the power after the abnormal power off, XVR will automatically recover the state before power off.

### **3. Turn Off**

There are two methods to turn off the XVR which are soft switch and hard switch. Entering [Main Menu] and choosing [Logout] in the [Shutdown] option is called soft switch. Pressing the power supply switch is called hard switch.

**Remark:** The setting information must be saved before replacing the battery otherwise information will lose.

## 4. Login

When the device boots up, user must login and the system provides the corresponding functions with the user purview. There is a user settings which is admin, and the password is 123456 .

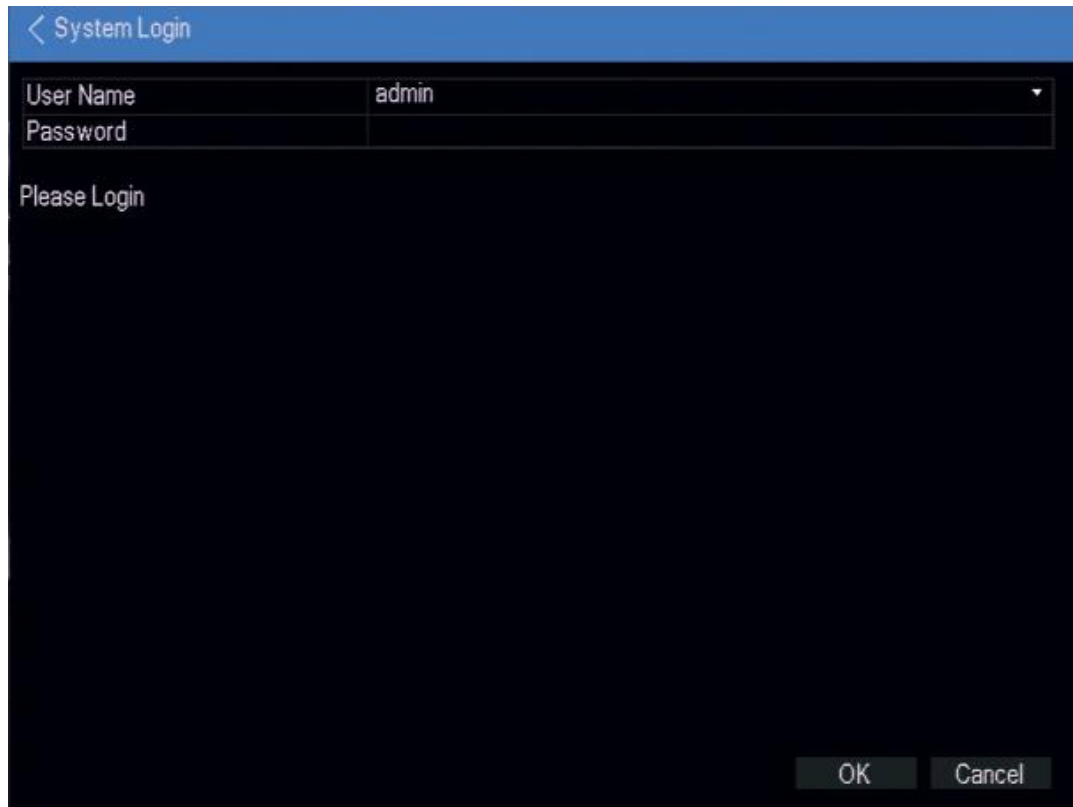


Figure 4 .1

**Password protection:** If the password is continuous wrong six times, the alarm will start. (Through reboot or after half an hour, the account will be unlocked automatically) For your system security, please modify your password in “Account” after first login.

## 5. Preview

After the device logs in normally, it enters the multi-screen preview state.

In the preview interface, you can display the date, time and channel name. Each channel picture can display the video and signal switch, and alarm status of the monitoring channel, and there is a function navigation bar at the top of the channel, including: manual recording, video playback, PTZ control, color setting And hidden keys;

Normal interface has the following icons: channel name, channel recording logo, channel audio flag. When the alarm is triggered: motion detection, video occlusion, video loss and other alarm status flag.

The bottom of the preview interface hides the menu bar, which has the main menu,

multi-screen switching and polling control (pause and start).

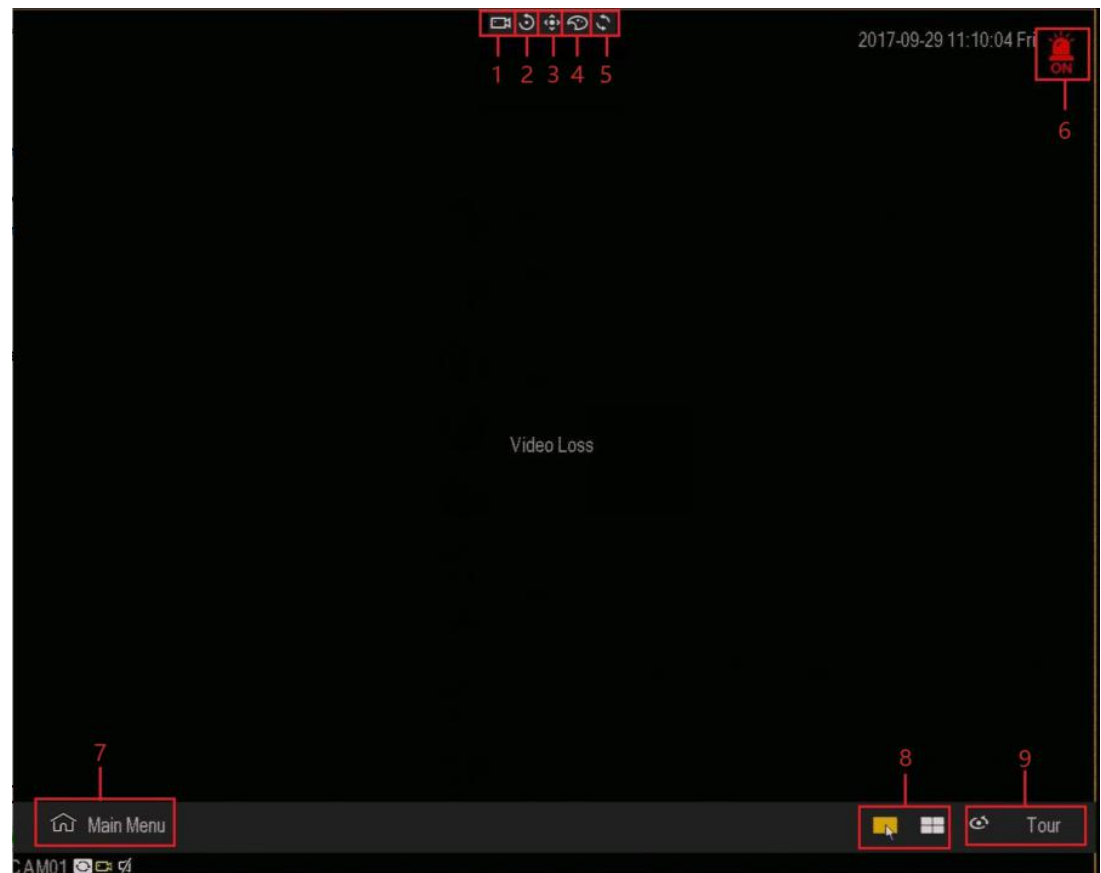


Figure 5.1 preview interface

①	Manual recording	②	Video playback
③	Channel PTZ control	④	Channel image color adjustment
⑤	Close the display	⑥	Smart Alarm button
⑦	Main menu button	⑧	Single multi-screen switching
⑨	Round-Lock button		

## 6. Record

### 6.1 HDD Manage

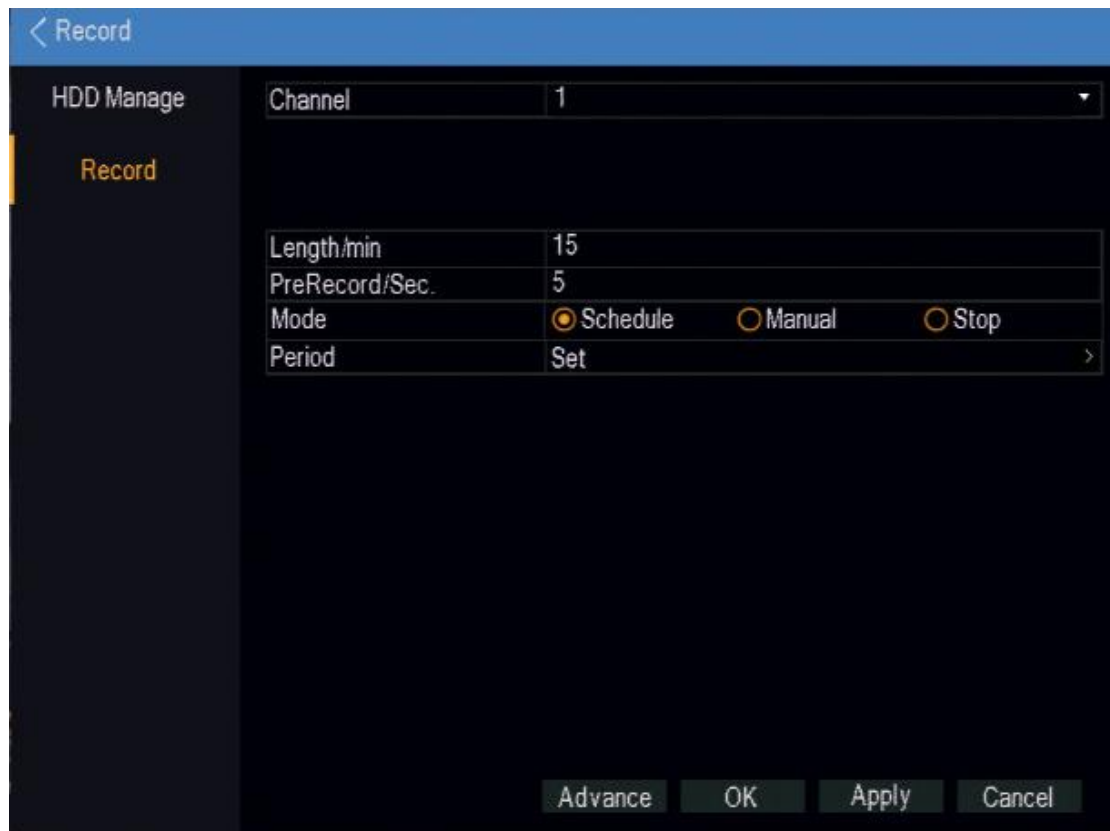
Hard disk management includes formatting hard disk, recovery errors settings.

**Note:** If the device is working properly, at least one of the installed hard disk is set to read-write disk.

**Read and write disk:** can read data, but also write data;

## 6.2 Recording Setting

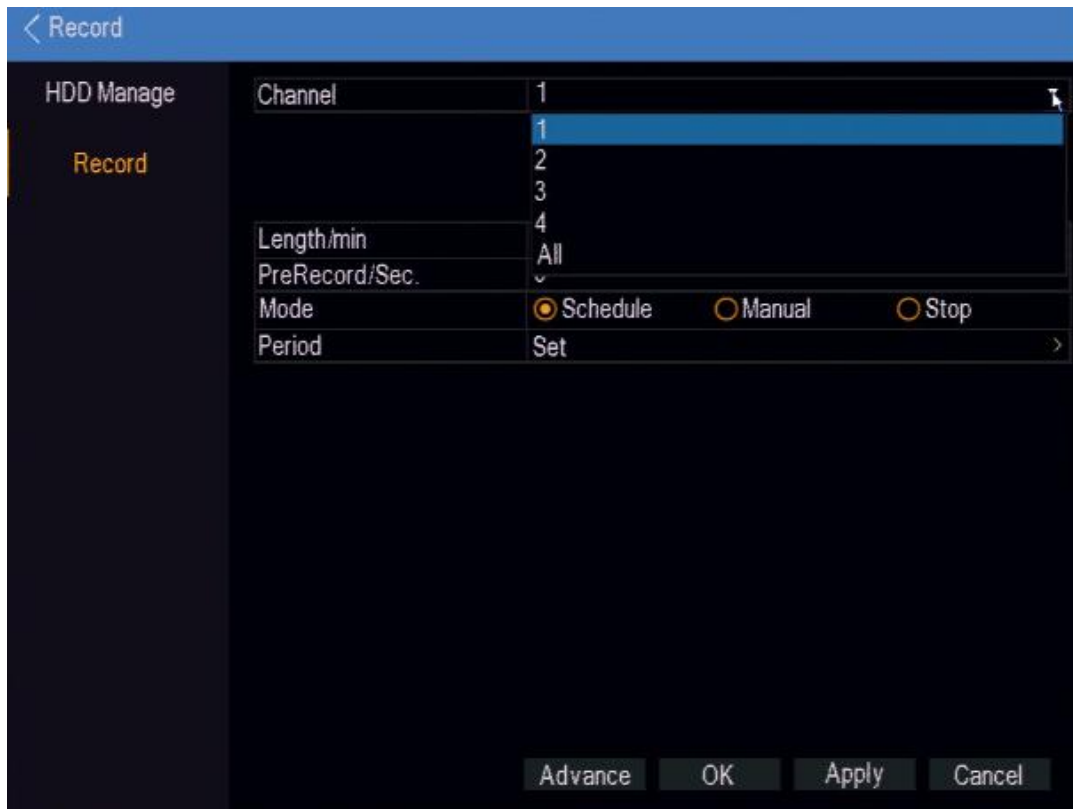
Video settings include the length of the video, pre-recorded time, time, video record mode settings. You can find the interface of the function setting in the following ways: [Main Menu] → [Record] → [Record]. The interface is shown as below:



### 6.2.1 Select Channel

Two ways:

1. Click drop-down button, choose channel, if choose “all”, it will set all channel unified.
2. Put mouse cursor on channel number, scroll mouse wheel to find channel to set.



### 6.2.2 Length

Each record file time length is defaulted 15 minutes. (no alarm record produced)

### 6.2.3 PreRecord

Prerecording means detect or alarm record start at the pre-recorded time before alarm signal occurs.

### 6.2.4 Record Mode

Record mode includes: manual, stop, schedule.

**[Manual]** Manual record all the time no matter what status the channel is. Record file type is H.

**[Stop]** No record no matter what status the channel is.

**[Schedule]** If choose this type, need to set the time periods.

#### Time period

Record works in the time period you set.

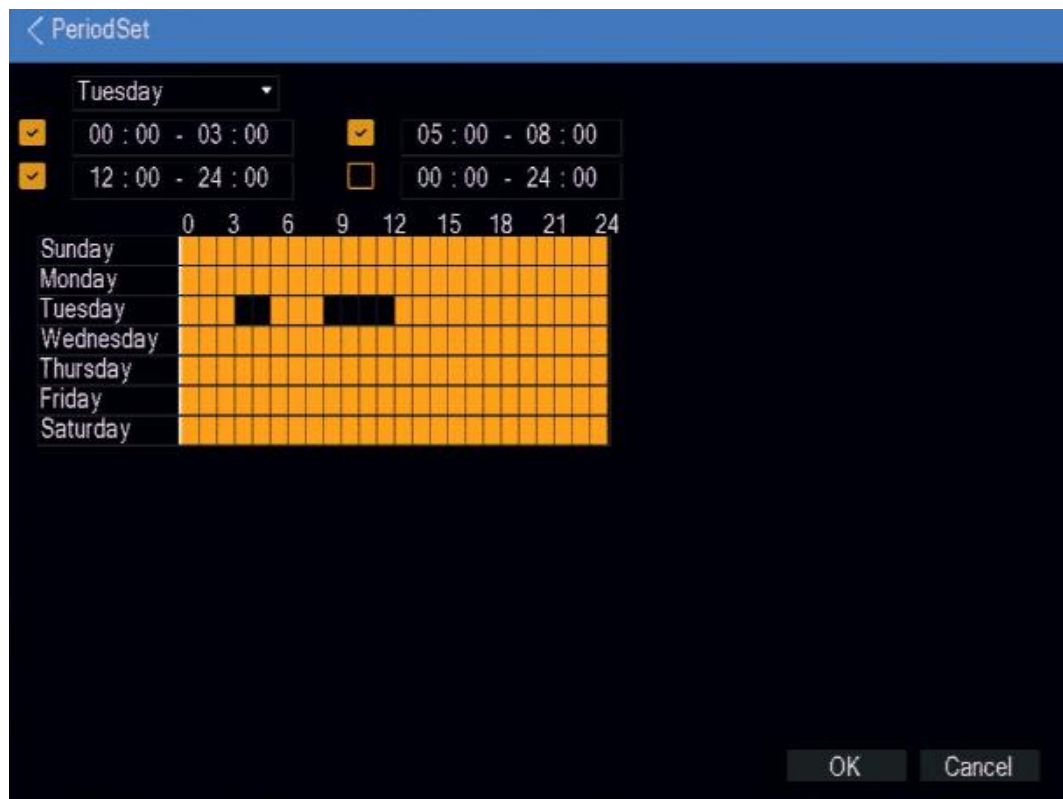
Set the parameters on week and period. There are four time period which can be continuous or discontinuous or repeated.

**For example :** As picture shown below (Tuesday), the record plan is as below:

03:00–05:00 and 08:00–12:00 Stop recording.



00:00–03:00 and 05:00–08:00 and 12:00–24:00 Record all the time , If an alarm is generated during this time and enable linkage record, then start recording, and the record file type is “A”. And during the normal time, the record file type is “R”.



## 7. Playback

Video playback includes playback type selection, video inquiry, video file playback and other operations. There are two ways to open a video playback:

The first one: in the preview interface, click the right mouse button, pop-up menu, in the menu, select [PlayBack]

The second: click the right mouse button→ Main Menu → [Playback].

### 7.1 Video Playback Type Selection

After entering the playback interface (the default type is in time playback), click the upper left corner of the drop-down button, will show the playback by time, according to the file playback, time split playback of three types of playback. The three types of playback are described below

### 7.2 Time Playback

Time playback interface shown in Figure 7.2.1 (each time into the playback

interface default time playback).

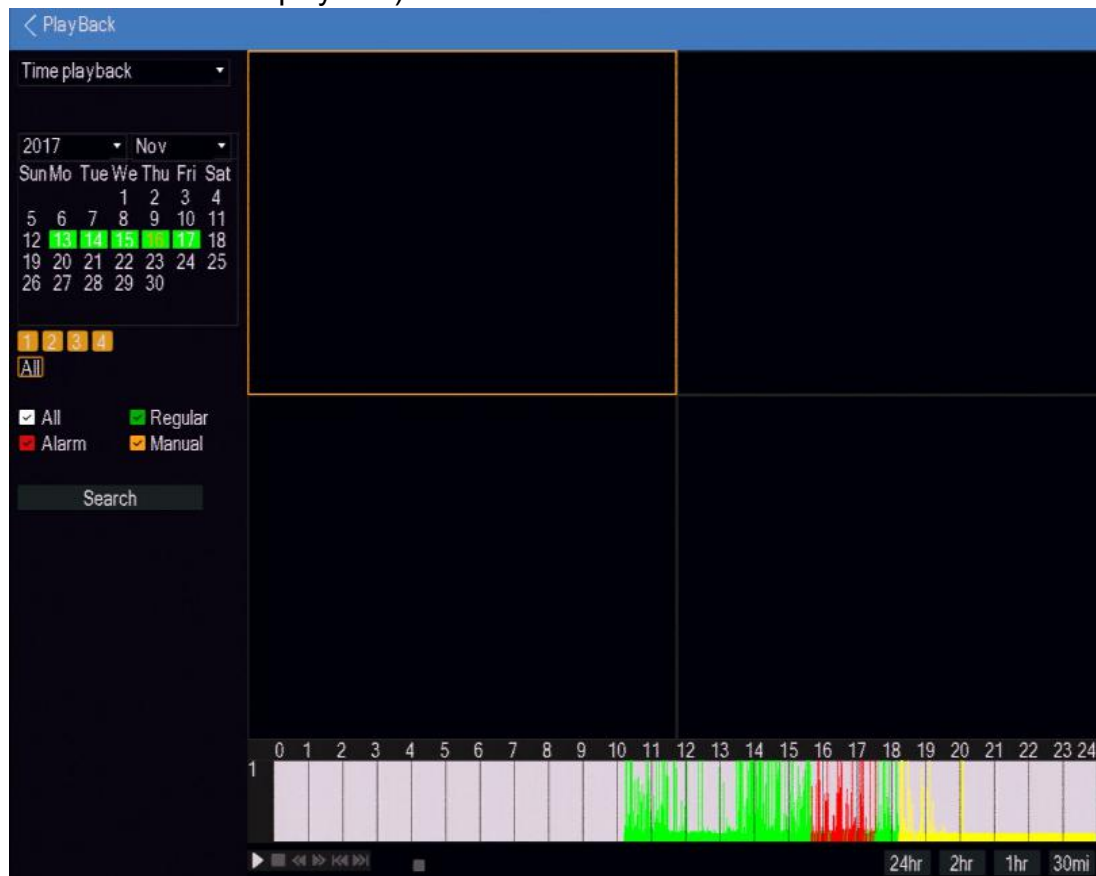




Figure 7.2.1

1. Playback date selection. You can choose the date. In the date table will automatically show the current month whether there is a video file (the date of the video file will show a green background), select the date of the video file, the date will become a yellow font.
2. Playback channel selection. Click left on any channel to select or cancel the channel playback, when the channel shows a yellow background that the channel is selected to play back.
3. Playback file type selection. You can click all, regular, alarm or manual in front of the check box, the corresponding type of check box "√" means that the type of choice, the timeline of different colors corresponding to different types of documents.
4. Video inquiry. After the above 3 steps set up and then click **Search** with the mouse, in the playback timeline will display the query to the video file.
5. Video playback. Click on the playback button or click on the time line at any point in time to play back, the time inside the time line that the current playback progress. The length of the bar on the time line shows the amount of exercise (the amount of exercise means the extent of the video screen dynamic), the longer of the line means the larger it runs.
6. Playback tool.  From left to right once for the play / pause, stop, reverse fast, fast release, the previous frame, the next frame (suspended playback is valid), the status display (mouse to the icon and the text will appear on the right side of the icon)

7.  You can display the length of the timeline to current playback time position as the starting point (that is, the current playback position time point as the starting point), can be set 24 hours, 2 hours, 1 hour, 30 minutes.

## 7.3 File Playback

File playback interface shown in Figure 7.3.1:

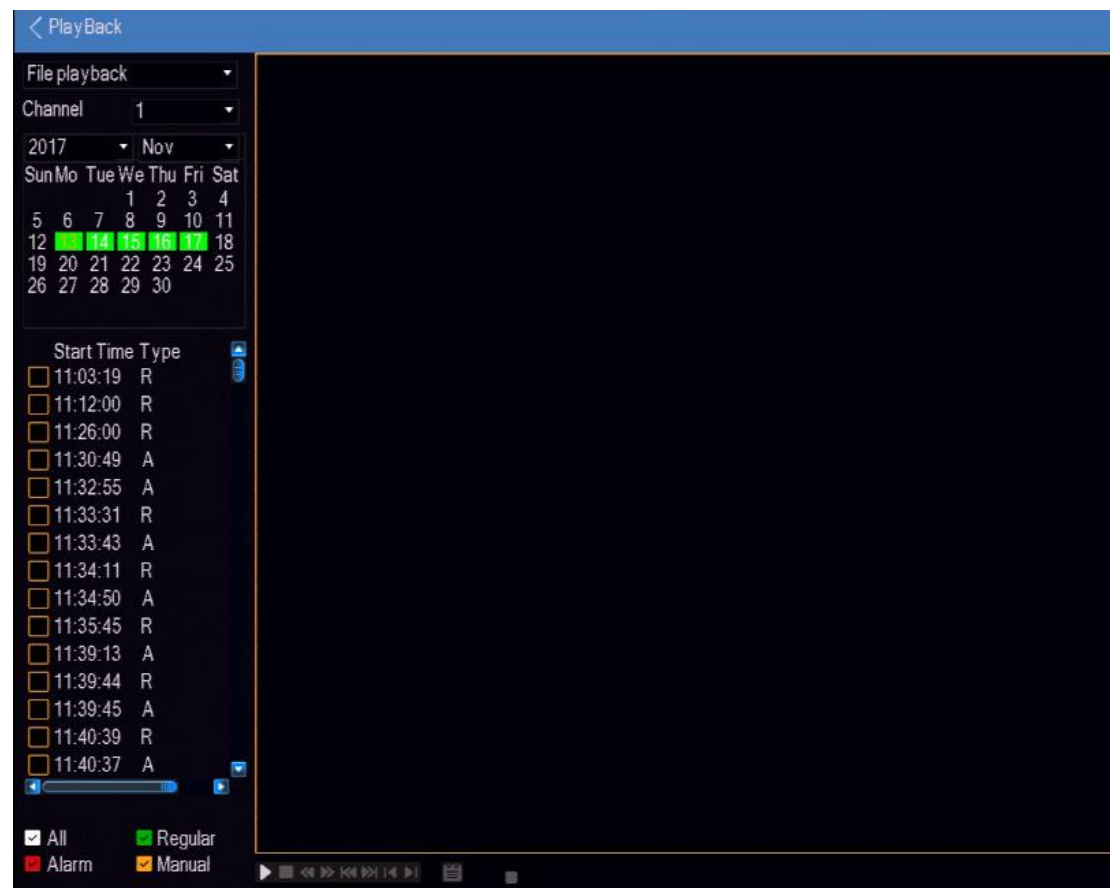
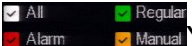
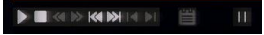


Figure 7.3.1

1. Playback date selection. You can choose year, months and days. In the date table will automatically show the current month whether there is a video file (the date of the video file will show a green background), select the date of the video file, the date will become a yellow font.
2. Playback channel selection. click the drop-down button of Channel will show each channel, you can choose one of them which you want to playback.
3. Playback file selection. Click the the video file need to be playback (file shows the yellow background), move the mouse down to the scroll bar or click right or left to view the file information.
4. File type query

 You can click on all, regular, alarm, manual in front of the check box, the corresponding type of check box ☒ means that the selected type, the file list will be selected check the file type.

5. Playback tool.  From left to right is play / pause, stop, fast rewind, quick release, previous frame, next frame (valid for pause playback), previous file, next file, backup, status display (mouse to the icon and the text will appear on the right side of the icon)

## 7.4 Time-sharing Playback

Time-sharing playback interface shown in Figure 7.4.1:

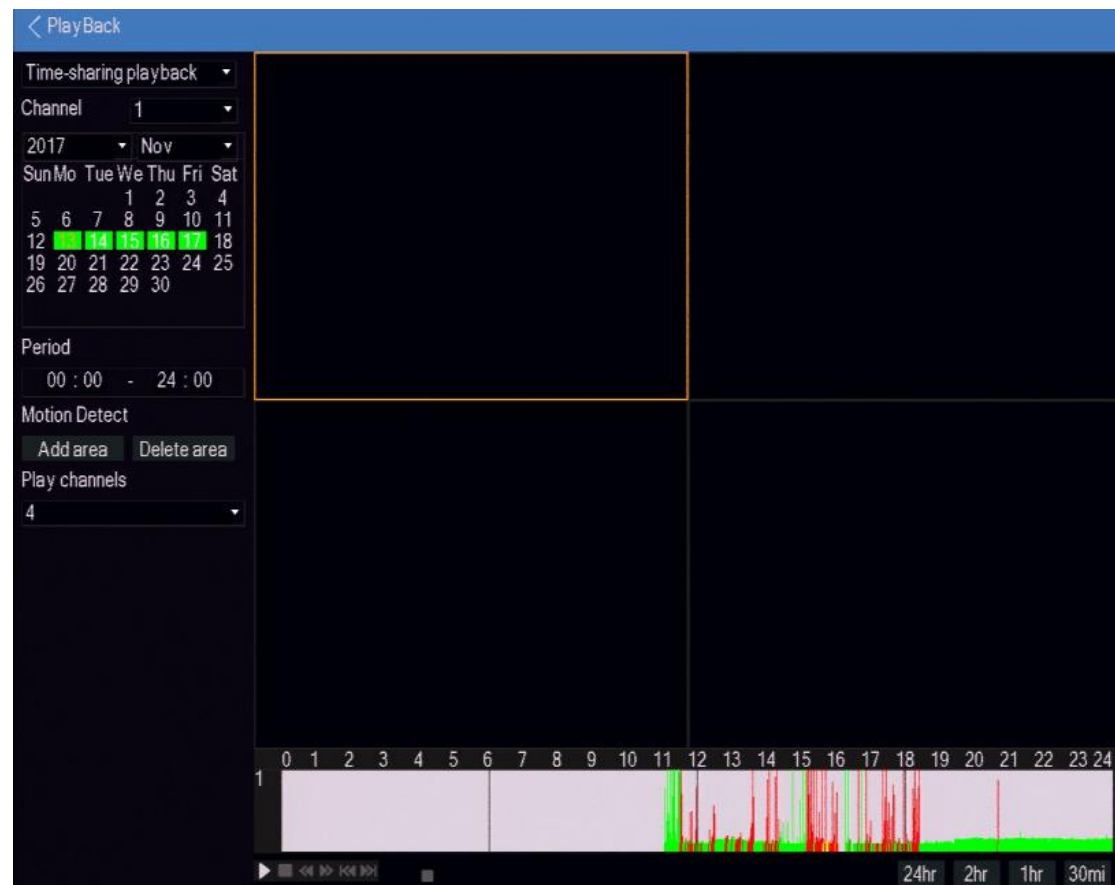


Figure 7.4.1


1. Playback channel selection. click the drop-down button of Channel will show each channel, you can choose one of them which you want to playback.
2. Playback date selection. You can choose years, months and days. In the date table will automatically show the current month whether there is a video file (the date of the video file will show a green background), select the date of the video file, the date will become a yellow font
3. Time period setting. Set the time period to be played back, you can set any period of time playback, but set the time period to ensure that each small segment of the length of not less than ten minutes.
4. Motion detection. Can be added and deleted area, can be set to play.  
Add area: Click the button, then move the mouse to the playback sub-screen, hold down the left mouse button to draw a region. Release the left mouse button in each


playback sub-screen will appear under a green box, the green box that the detection area. Playback screen playback in the region when there is a move action will immediately alarm, green box into a red box and pause playback

Delete area: Click this button to delete the added area.

5. Segmentation. That is, to set the time segment of the average segment, you can set two or four, the number of split the screen will correspond to the switch two split screens or four screens.

6. Video playback. Click on the playback button or click on the timeline at any point in time to play back, the time inside the timeline that the current playback progress. The length of the bar on the timeline shows the amount of exercise (the amount of exercise means the extent of the video screen dynamic), the longer of the line means the larger it runs.

7. Playback tool.  From left to right once for the play / pause, stop, reverse fast, fast release, the previous frame, the next frame (suspended playback is valid), the status display (mouse to the icon when the icon will appear on the right side of the text)

8.  You can adjust the length of the timeline display to the current playback time position as the starting point (that is, the current playback position time point as the starting point), can be set 24 hours, 2 hours, 1 hour, 30 minutes length.

## 8. Network

### 8.1 Network Setting

Enter [Main Menu]→[Network]

【IP Address】 : Set the IP address. Default: 192.168.1.18

【Subnet Mask】 : Set the subnet mask code. Default 255.255.255.0

【Gateway】 : Set the default gateway. Default 192.168.1.1

Net Card	Wire Netcard
DHCP Enable	<input type="checkbox"/>
IP Address	192.168.1.18
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
Primary DNS	202.96.128.166
Secondary DNS	202.96.134.133

Network Testing	
TCP Port	8200
HTTP Port	80
Aux Port	34567
Mobile Port	34600
MTU	1500
HS Download	<input type="checkbox"/>
Transfer Policy	Quality Preferred

OK Apply Cancel

Make the equipment's IP address and the router at the same network segment. If the router IP address is 192.168.1.1, and the subnet mask is 255.255.255.0. It works by default network setting. generally the default gateway is the router IP address.

## 8.2 DDNS

Resolve the server address by dynamic domain name. Select the DDNS type.

**Domain Name:** The domain name registered at the service provider that provides the domain name resolution;

**User Name:** the account provided in the domain name resolution service providers registered;

**Password:** in the provision of domain name registration service provider to register the password;

When the DDNS is successfully configured and enabled, you can directly enter the domain name in the IE address bar to access the device, access format: http:// domain name: HTTP port.

**Note:** The correct DDNS settings need to be set in the network settings, use the domain name to log in, to enter the correct HTTP port.

## 8.3 Email

Email function is mainly to the alarm in the form of e-mail messages clearly

available to the user. Open: 【Main Menu】 → 【Network】 → 【EMAIL】, the interface is as follows:

Network	Enable
SMTP Server	smtp.gmail.com
Port	465
Need SSL	<input checked="" type="checkbox"/>
User Name	
Password	
Sender	
Receiver	
Title	Alarm Message

Example: SMTP Server:smtp.gmail.com  
 Port:465  
 Need SSL:yes  
 User Name:admin  
 Password:123456  
 Sender:user1@gmail.com  
 Receiver:user2@gmail.com  
 Title:Motion Alarm

Email Testing OK Apply Cancel

Email function is enabled, the back box is yellow to open, otherwise it is off.

**SMTP server:** mail server address, can be the IP address and domain name (if the domain name is required to confirm the correct DNS settings, the domain name can be correctly resolved);

**Port:** Mail server port number;

**SSL:** whether the server requires the use of Secure Sockets Layer protocol layer (Secure Socket Layer) login;

**Sender:** Set the email address of the sender;

**Receiver:** Set the recipient's e-mail address. When an alarm is generated, it will be e-mailed to the recipient

**Title:** The title of the message, can be set;

In order to confirm the Email configuration is correct, whether to successfully send mail, you can click on the interface below the "Email Testing" button, there will be the corresponding prompt message.

## 8.4 Net Service

### 8.4.1 PPPoE

Configure the advanced network function, select the network service item for parameter configuration.

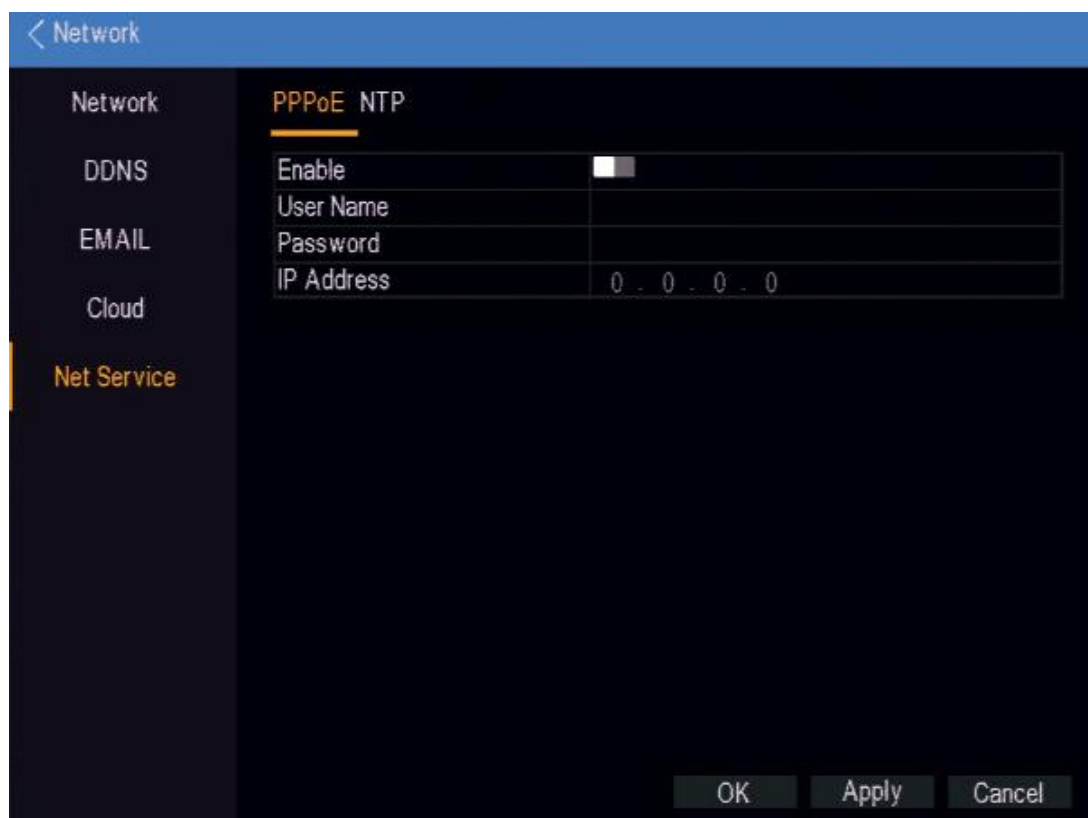


Figure 8.4.1 PPPoE

#### 【PPPoE Setting】

**Enabled:** Enabled, the setting is enabled.

Enter the PPPoE user name and password provided by the ISP (Internet Service Provider), and then restart the system after saving. After the boot, the DVR will automatically establish the network connection with PPPoE. After successful, the IP address will be automatically modified to obtain the dynamic IP address of the WAN.

**Operation:** After the PPPoE dial-up is successful, check the IP address on the [IP address] to obtain the current IP address of the device, and then use the IP address to access the device through the client.

#### 8.4.2 NTP

**Enabled:** Enabled, the setting is enabled.

**Server IP:** Enter the address where the NTP Server PC is installed;  
Port: the default NTP port is 123, according to the actual NTP server port settings;

**Time Zone:** select the corresponding time zone;

**Update Period:** The interval between the NTP server and the NTP server. The default is 10 minutes.

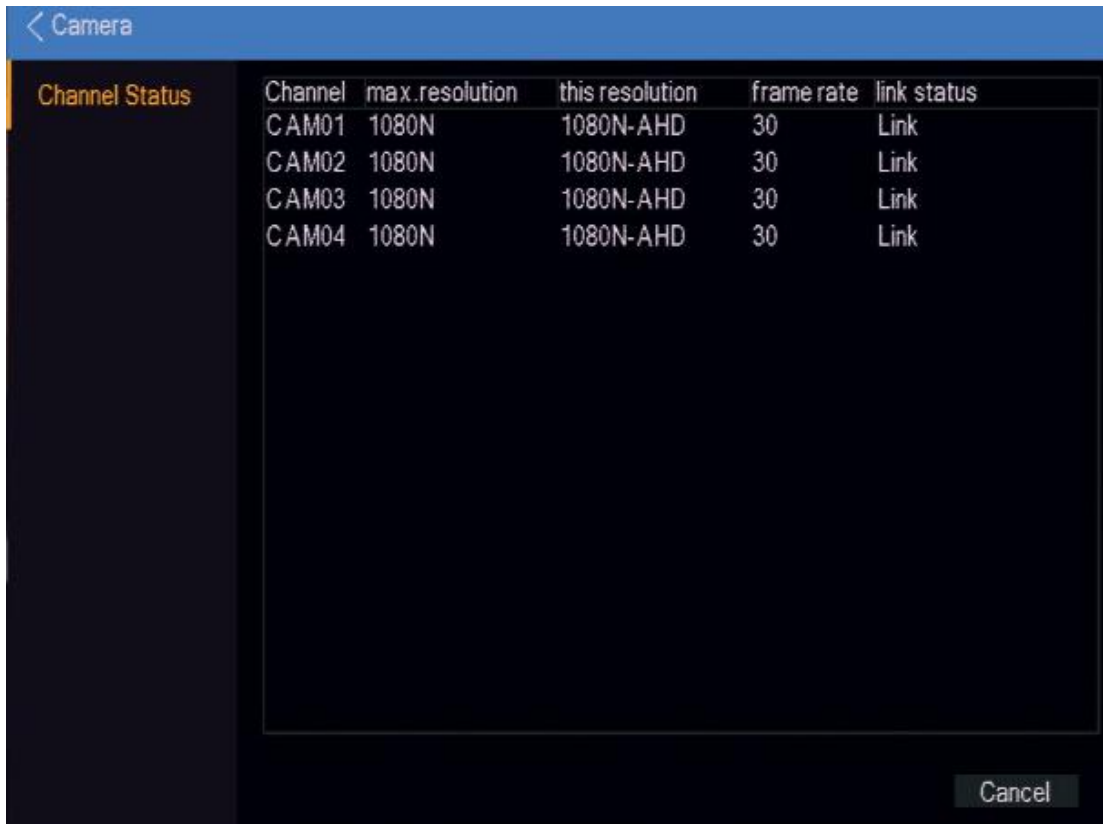
## 9. Camera

Channel management mainly includes channel status.



Open path: [Main Menu] → [Camera] → [Channel Status].

Channel Status you can view the supported maximum resolution, current resolution, frame rate, and current connection status for each channel.



The screenshot shows a software interface with a blue header bar containing a back arrow and the text 'Camera'. Below the header, on the left, is a sidebar with the text 'Channel Status' in orange. The main area displays a table with five columns: 'Channel', 'max. resolution', 'this resolution', 'frame rate', and 'link status'. The table contains four rows of data for channels CAM01 through CAM04. All channels show a maximum resolution of 1080N, a current resolution of 1080N-AHD, a frame rate of 30, and a link status of 'Link'. A 'Cancel' button is located at the bottom right of the table area.

Channel	max. resolution	this resolution	frame rate	link status
CAM01	1080N	1080N-AHD	30	Link
CAM02	1080N	1080N-AHD	30	Link
CAM03	1080N	1080N-AHD	30	Link
CAM04	1080N	1080N-AHD	30	Link

## 10. Alarm

Alarm features include: motion detect, video blind, video loss, alarm input, alarm output, smart alarm and abnormality.

### 10.1 Motion Detect

Access Path: Main Menu → Alarm → Motion Detect.

#### 10.1.1 Motion Detect Setting

Choose the channel you want to open alarm, click "Enable".



Figure 10.1.1

### 10.1.2 Period setup

Click [Period], pop-up interface as pic shown below (the default is 24 hours of testing, recommended to default, not modified).

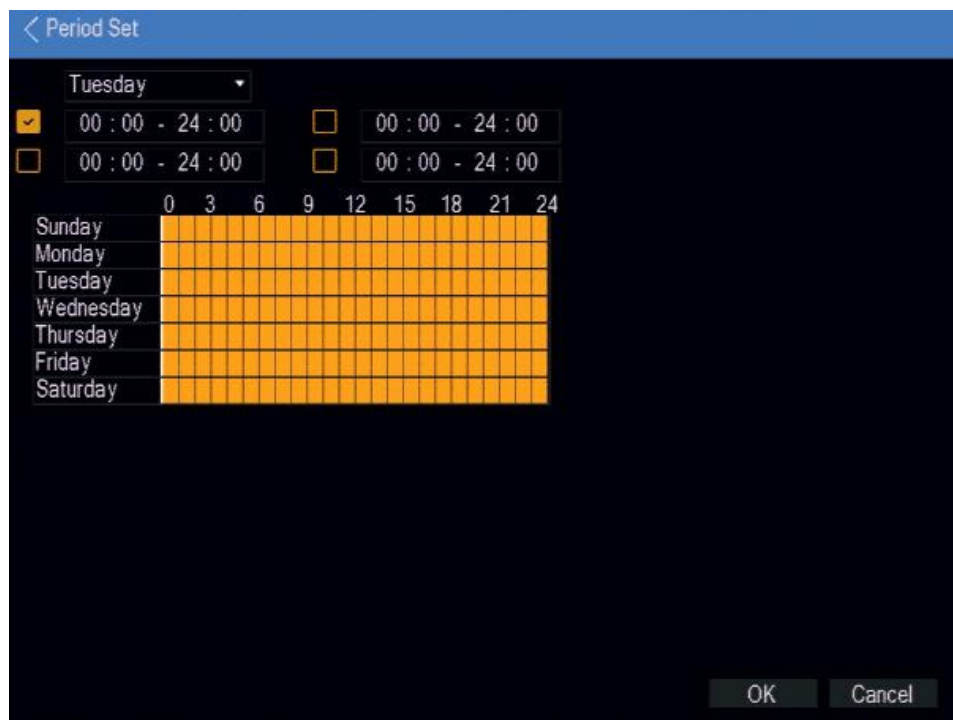


Figure 10.1.2

At first, choose the date you want to set in the drop-down box , then setup the time period of this date. You can set up four times at most, this four time periods can be continuous, intermittent, overlapping. It is valid when time period in front of the box is "yellow", otherwise it is invalid.

This is the "channel" as an example of a week removal time period setup.

**Remark:** The time period should be correspond the time period Gantt chart display, click the [OK], save and up window. Click [Cancel], would cancel the setup this time, then up window.

### 10.1.3 Linkage setup

Linkage setup is to make reactions when alarm occurs.

### 10.1.4 Alarm output

When moving detection, set up corresponding linkage alarm output port of the external equipment (such as alarm), external alarm to produce the corresponding reaction equipment, after alarm output port should choose, some equipment is one of the output ports, some are two, please note which one you want to choose. When the color turn to yellow, it is be selected, otherwise it is not selected.

The [Delay] which behind of [Alarm output] is the continuous time of the alarm output after alarm triggered. the default time is 10s. Users can accord their own demands to set.

### 10.1.5 Record channel

The recording channel function is when motion detect in the channel. it will begin to motion detect in the channel which is selected, and then package into a file type which type model is "A". The choosing of recording channel could be one to one, also can be one to many. Channel corresponding box be yellow is be selected, otherwise it is not selected, below picture is the channel setup, channel 1(one to one), channel 1(one to-many).Generally suggest user choose one to one type.

**[One to one]** When generate an alarm in this channel, only linkage this channel to recording. For example, picture, when channel 1 generate an alarm, corresponding channel will generate linkage recording, and packaged a A recording profile.

The screenshot shows the 'Alarm' configuration window with the 'Motion Detect' tab selected. The settings are as follows:

Setting	Value
Channel	1
Enable	<input checked="" type="checkbox"/>
Sensitivity	Middle
Region	Set
Period	Set
Delay /Sec.	10
Record delay /Sec.	10
Record Channel	1 2 3 4
Tour	1 2 3 4
PTZ Activation	Set
Show Message	<input type="checkbox"/>
Send Email	<input type="checkbox"/>
Buzzer	<input type="checkbox"/>

At the bottom of the window are four buttons: Advance, OK, Apply, and Cancel.

**[One to many]** When generate an alarm in this channel, linkage the channel you choose to recording, see below picture, when channel 1 generate an alarm, linkage the channel(1,2,3,4) to recording , packaged a "A" type recording profile.

The screenshot shows the 'Alarm' configuration screen with a left sidebar containing 'Motion Detect', 'Video Blind', 'Video Loss', 'Smart Alarm', and 'Abnormality'. The 'Motion Detect' section is active, displaying the following settings:

Channel	1
Enable	<input checked="" type="checkbox"/>
Sensitivity	Middle
Region	Set
Period	Set
Delay/Sec.	10
Record delay/Sec.	10
Record Channel	1 2 3 4
Tour	1 2 3 4
PTZ Activation	Set
Show Message	<input type="checkbox"/>
Send Email	<input type="checkbox"/>
Buzzer	<input type="checkbox"/>

At the bottom, there are four buttons: 'Advance', 'OK', 'Apply', and 'Cancel'.

[Record delay] when alarm signal triggered, the record last for the delay time.  
Range: 10.--255s.

### 10.1.6 Tour

When alarm signal triggered, it will tour channel by channel.

This screenshot is identical to the one above, showing the 'Alarm' configuration screen with the 'Motion Detect' section active. The settings for 'Record Channel' and 'Tour' are both set to '1 2 3 4', indicating that the system will tour through all four channels when an alarm is triggered.

Figure 10.1.6

### 10.1.7 PTZ Activation

When alarm signal triggered, the PTZ react.

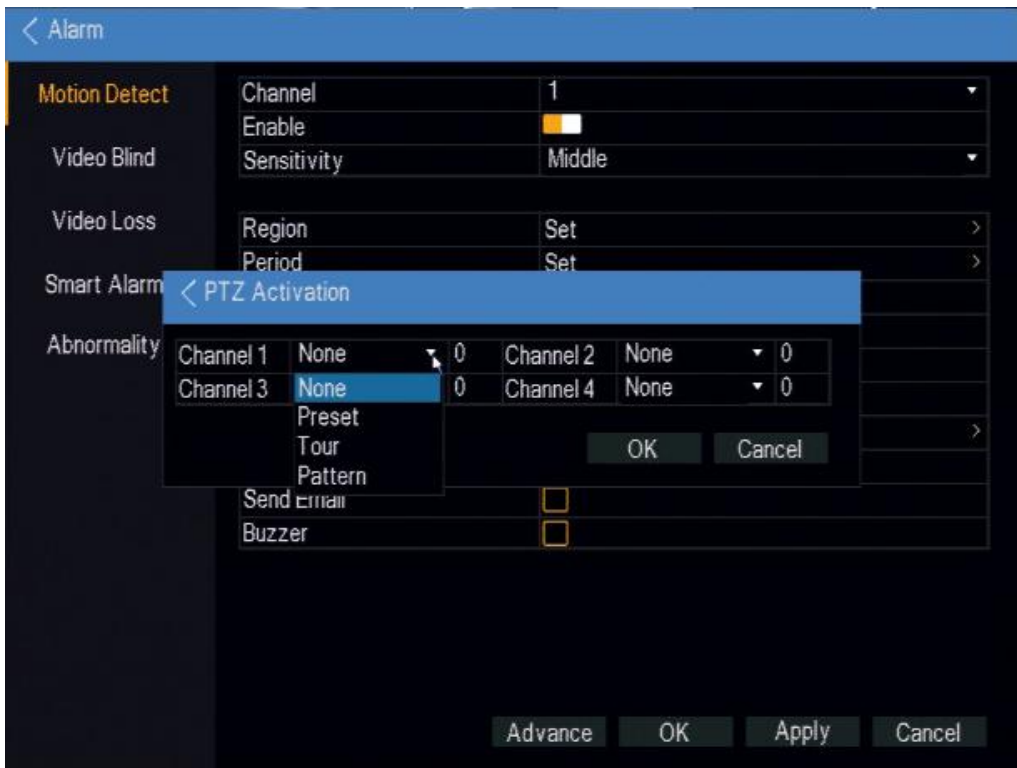


Figure 10.1.7

**Remark:** Linkage PTZ function, set the parameter in “PTZ activation” interface. On the pop-up interface, you can set preset, tour and pattern.

### 10.1.8 Show Message

Alarm status prompt will be shown on screen when alarm triggered.

### 10.1.9 Send Email

When alarm signal triggered, sending email at the same time

**Remark:** For Email linkage, request to do settings under [Network ]→[EMAIL].

### 10.1.10 Buzzer

When alarm triggered, it will beep. (The box next to “Buzzer” is yellow color after enabled successfully, otherwise, it has not been enabled. )

## 10. 2 Video Blind

Check to enable the video blind alarm. When the video image acquired by the device is affected by the outside world, the light is dark to set the sensitivity parameter, which triggers the video masking alarm and starts the linkage function.

**Access Path:** Main Menu → Alarm → Video Blind.

Setting method: Refer to chapter "10.1 Motion Detect."

## 10. 3 Video Loss

Check to enable the video loss alarm. When the device can not acquire the channel video signal, it triggers the video loss alarm and starts the linkage function.

**Access Path:** Main Menu → Alarm → Video Loss;

Setting method: Refer to chapter "10.1 Motion Detect."

## 10. 4 Smart Alarm

Access Path: Main Menu → Alarm → Smart Alarm

Check the start of the smart alarm, type by the front-end camera type (the type of camera comes with smoke detection or infrared detection function) decision, automatically detect the alarm after the type of camera (no need to set the type). Currently support smoke alarm, infrared detection alarm

Alarm output: smoke or pir alarm when the alarm signal sent to the siren function with the camera channel (the channel to enable smart alarm control is valid), with siren function of the camera comes with alarm.

Setting method: Refer to chapter "10.1 Motion Detect."



Figure 10.4.1

## 10. 5 Abnormality

Analysis of the current equipment to detect some of the hardware and software, when an abnormal event is detected, the device to respond accordingly, for example, the screen prompts, buzzing and so on.

**Access Path:** Main Menu → Alarm → Abnormality.

## 11. System

### 11.1 General

General settings include the system time, date format, time format, hard disk full time processing, video format adjustment and language settings.

### 11.2 Account

Manage user rights for this machine.

**Note:**

1. The character length of the user name is up to 8 bytes. The string of the first and last space is invalid, the middle can have spaces. Legal characters: letters, numbers,



underscores, minus signs, dots, other characters are not allowed;

2. User name can not be repeated.

**Interface as follows:**

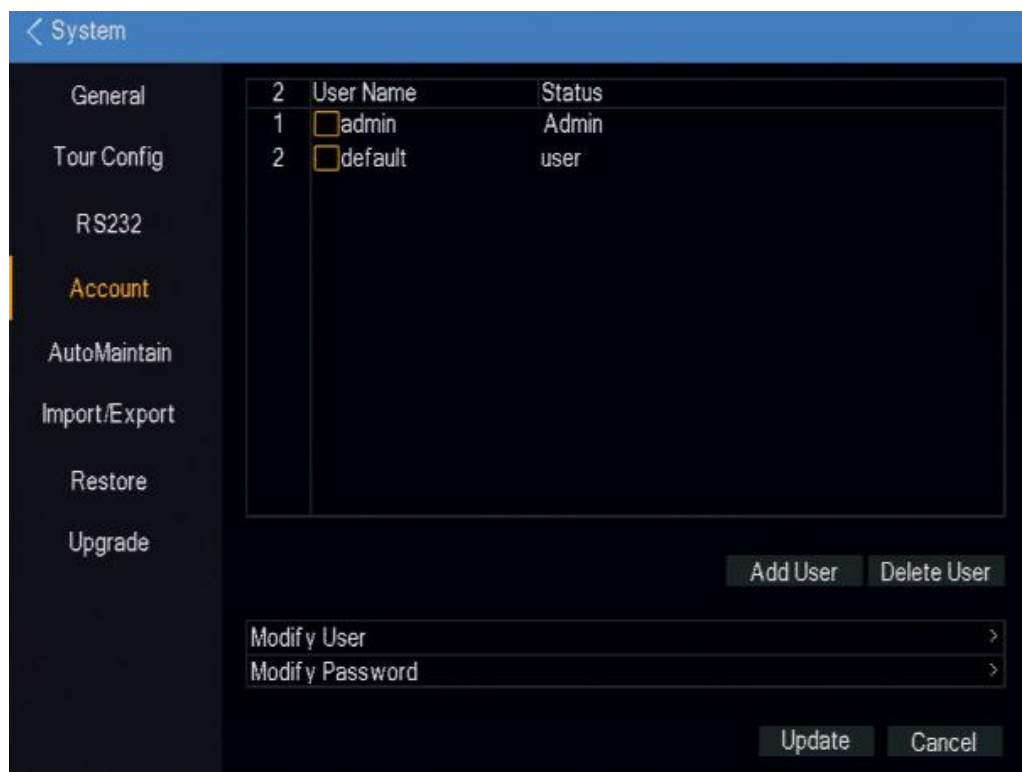


Figure 11.2.1

**【Modify User】** Modify the attributes of the existing user.

**【Modify Password】** Modify the password of the user account, the password can be set from 0 to 6, the password is invalid, the space between the end and the end can be blank.

**Note:** Users who have the User Account Control privilege can modify their own passwords in addition to their own passwords.

**【Add User】** Enter the add user interface, enter the user name and password., and set the user's functional rights.

**【Delete User】** Delete an existing user. Select the user you want to delete, click the Delete User button;

## 11.3 Auto Maintain

Auto Maintenance Mainly set the device to automatically restart at the specified time. You can select "Never", "Everyday", "Every Sunday", "Every Monday", "Every Tuesday", "Every Wednesday", "Every Thursday", "Every Friday", "Every Saturday", restart time in hours, divided into "0-24" hours;

Automatically delete files with "Never" and "Custom" options. "Never" is not always delete the video file; "Custom" to delete the existing day of the video file, in the "1-255" between the optional.

## 11.4 Restore

**Restore Defaults** You can change the [General], [Encod], [Record], [Alarm Set], [Network], [Network Service], [Output Settings], [Account], [RS232] to factory default. The user can choose according to their own needs to restore the default.

## 11.5 Upgrade

System upgrade in two ways: network upgrade and U disk upgrade.

**Network upgrade:** the software on the PC, enter the IP address of the device through the WEB login, enter the [Settings] → [Maintain] select the software to open the upgrade, click [upgrade] You can, upgrade the device will automatically restart after successful;

**U disk upgrade:** the upgrade software into the U disk, U disk inserted in the device on the USB interface, and then enter the [Main Menu] → [System ] → [Upgrade], select the file to upgrade, click 【Upgrade】 Button to upgrade the device will automatically restart after completion.

## 12. PTZ Control/Coaxial

### 12.1 PTZ Control

With this function can control the direction, range, zoom, focus, iris, preset spots, cruising, light switch, horizontal rotating, etc.

PTZ function is determined by PTZ device. Choose the channel and click  on the navigation bar.

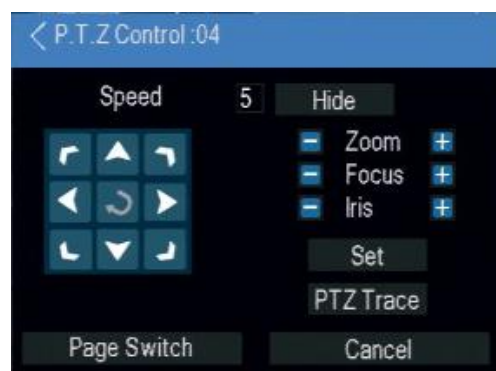


Figure 12.1

### 12.1.1 Premise



Before use the PTZ function, you need to set up the control type to 'Serial' and set other parameters in the PTZ Config interface. The functions of PTZ is up to the PTZ protocol, namely, it is determined by the function of PTZ dome bought by the user.



The path to enter PTZ Config interface:[Main Menu]→[Video]→[PTZ Config].

### 12.1.2 Basic Settings

[Control direction] to turn in eight different directions

[Speed] speed of PTZ turning

[Zoom] adjust camera magnification by  / 

[Focus] narrow camera focus by adjusting  / 

[Iris]adjust camera iris by  / 

[PTZ Trace] press mouse left key, PTZ turn quickly.

[Set] set about PTZ function

[Page Switch] Switch between the pan top function control menu interface.

### 12.1.3 PTZ function setting

Click [Set] to enter "PTZ Control" interface.

Set certain position as preset point. Then when call the preset point value, PTZ will turn that position automatically.



Figure 12.1.1

#### 1) Preset setting

Step 1: Turn PTZ to the position you want, click "set" to enter "PTZ Control"

Step2: Click" Preset", input preset value

Step3: Click "Set"

Finally , the preset value is correspond with the position you set.

#### 2) Call preset

Step1: Click "Page Switch" to enter "P.T.Z Control"

Step2: Input the value of preset point

Step3: Click “Preset” button.  
Finally, PTZ will turn to the position you set.

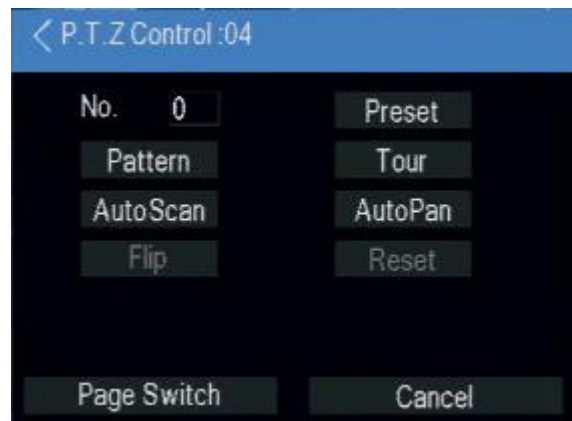


Figure 12.1.2

## 12.2 Coaxial Control

The coaxial control is similar to the PTZ control. There are two ways of coaxial control.

The first way: In the preview interface, right-click on the mouse → [Coaxial Control], then enter to the coaxial control interface.



Figure 12.2.2

The second way, Choose the channel and click  on the navigation bar.

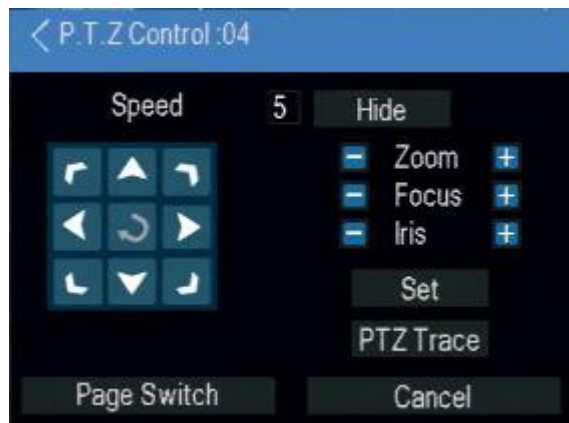


Figure 12.2.1

Before use this method, you need to set up the control type to Coaxial and choose the protocol in the PTZ Config interface.

Note: The supported feature is determined by the camera.

Setting method: Refer to chapter "12.1 PTZ Control".

## 13. Version

Display the basic information of the device, including hardware information, software version, release time, serial number, and NAT status.

## 14. Online User

View the information about the network users connected to the local device. You can also select the network user (check box tick ☒) disconnect, disconnect the user will be frozen until the restart the device in order to use the user login.

## Part 2 Remote Control

### 1. WEB Remote View

Enter the IP address of the device on the browser to enter the login interface, enter the user name and password in the login interface to log in.

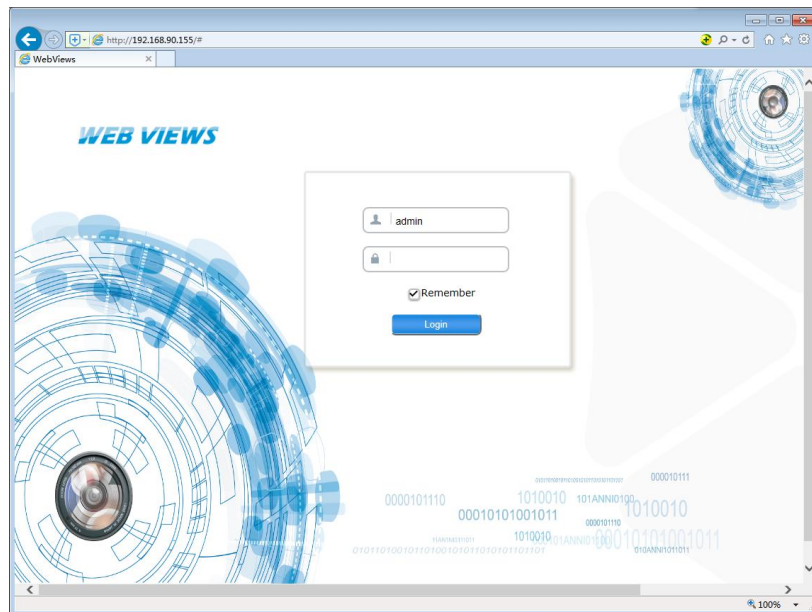


Figure 1.1

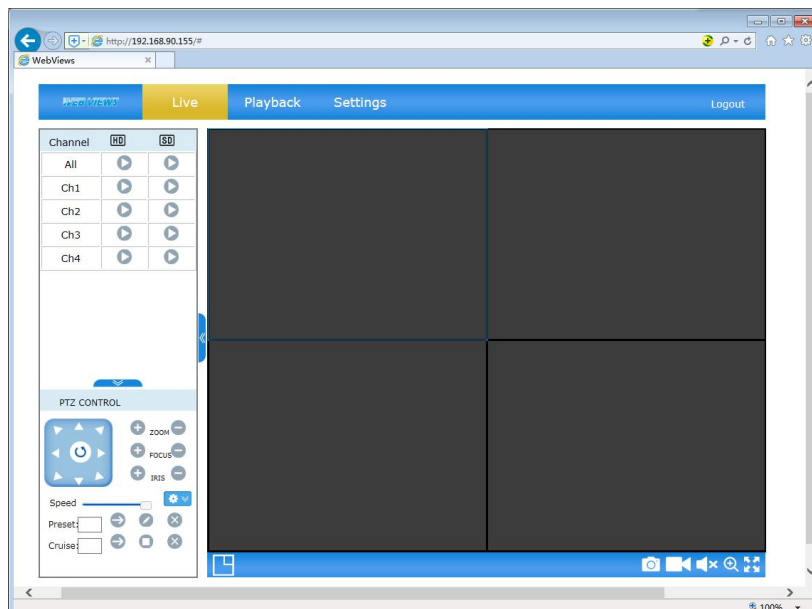
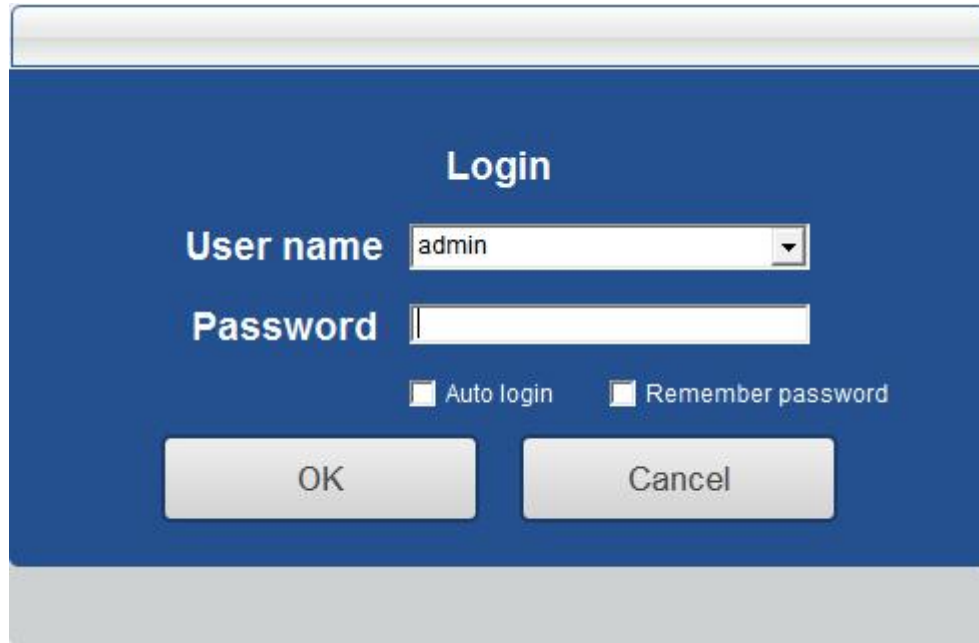


Figure 1.2

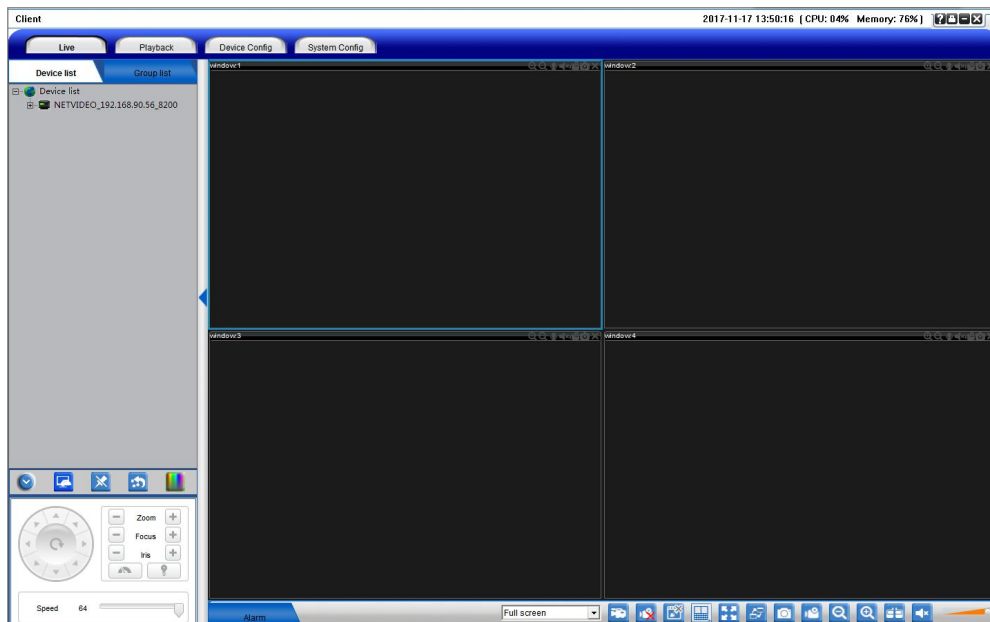
Preview interface can remotely operate the device menu, PTZ control, playback and other functions.

## 2. CMS Remote View

CMS software is used in a computer, and manipulates several device at the same time. For details, see the CMS manual.



CMS login interface



CMS main interface

### 3. E-Video

By E-Video, no mapping port, only need device ID, then you can remotely access the device directly. For more details please refer to E-Video user manual.



Login interface

**Remark:** Enter [Main Menu]>[Network]> [Cloud], check out Server IP and device ID. As below,



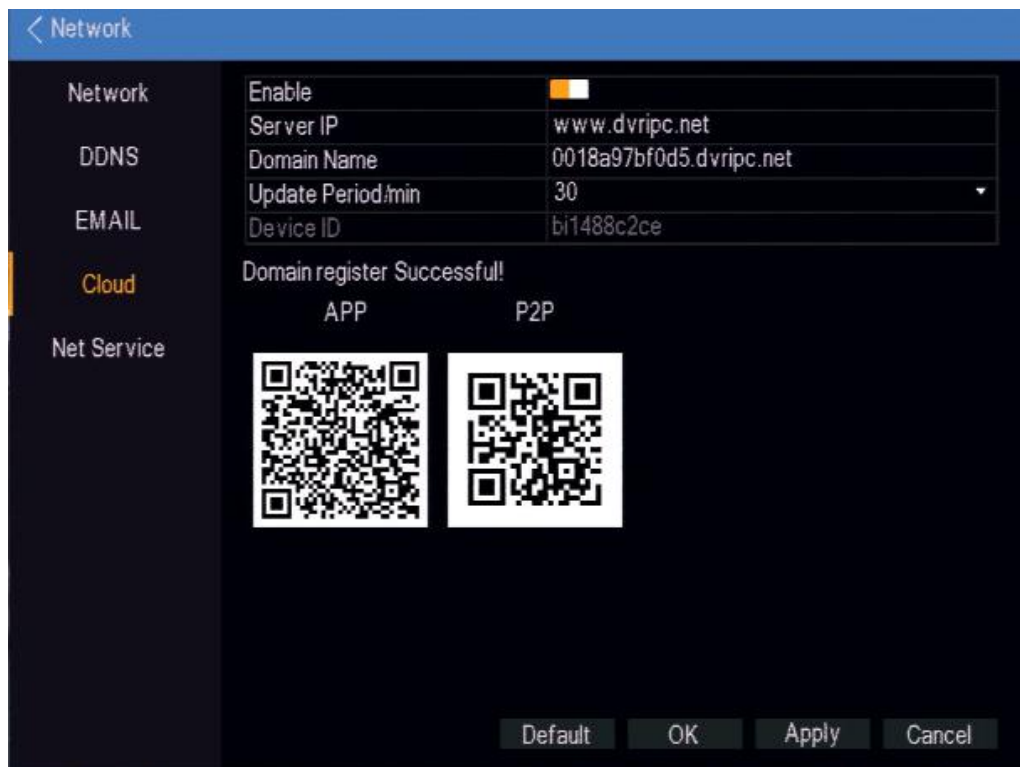


## 4. Mobile Phone Monitoring

Our device support mobile phone monitoring, like iPhone or Android system phone.

❖ setting mobile monitor service

Open [Main menu]→[Network]→[Cloud] as follows.



**Remark:** Defaulted Mobile Monitoring service is enable. mobile phone client software is “CamViews ”, Port is “34600”

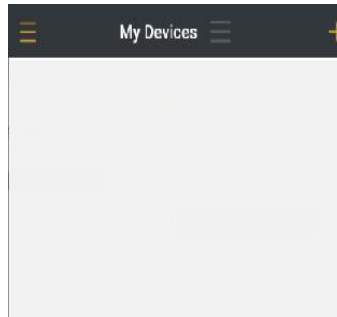
❖ Login and monitor

Take Android phone for example,

Step1, Download and install corresponding mobile monitoring software from the mobile phone store,or scan the “APP” QR from device.

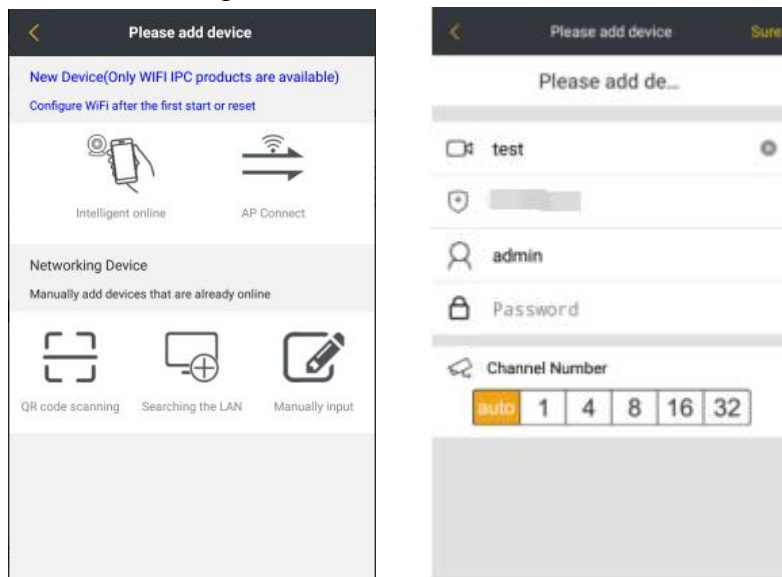
Step2, Find and run the “CamViews” after successfully installing it;

Step3, Enter the main interface, as shown



Step4, Add device:

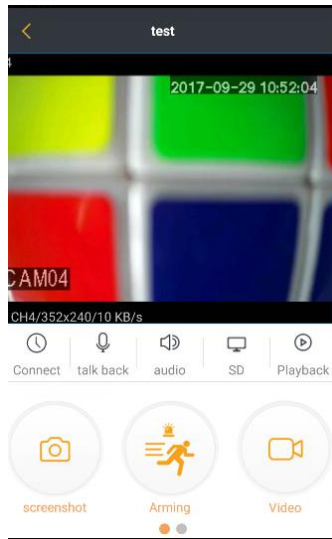
click **+** in upper right corner to add device (three ways provided to add device: QR code scanning, Searching the LAN, and Manually input. Please choose “QR code scanning”.



Scan QR code (the QR code named “P2P” in step1 ) to add device. Enter DVR user name and password to finish adding. Default Mobile Monitoring service is enable.


Step 5, Live view

Return to main interface, tap the Device icon to check out the channels , then tap the channel you want. As below:



Step 6, a key to arm or disarm the smart alarm

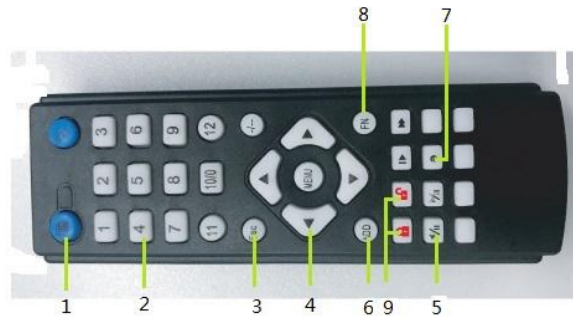
Click button  to arm the smart alarm;

Click button  to disarm the smart alarm.

**Remark:**

- 1、 Device need to be connect to public net when mobile monitor.
- 2、 If you use iPhone mobile similar operation. use mobile to search "CamViews " in the app store and install it online.

## Appendix 1. Remote controller operation



Serial No.	Name	Function
1	Multi-channels button	Multi-channels preview
2	Number button	Password input/number input/ channel switch
3	Esc	Back to up window
4	Direction button	Direction and OK button
5	Playback operate	Playback Basic operation
6	Record control	Enter into record menu
7	Remote controller	Input the number of device to control it
8	FN	Assistant function
9	Smart Alarm	Smart Alarm ON/OFF

## Appendix 2.Mouse operation

\*Take right hand as an example

Operation	Function
Double left click	File playback:double click one item in the file list to playback the video.
	Multi-channel playback:double click the playback video to zoom in or out the screen
	Double click the channel to make it full screen display in preview
	double click again back to the multi-channel display
Left click	Choose according option in the menu
Right click	Pop up desktop shortcut menu in preview interface
	In the menu operation, return to the previous page
Wheel button	Add or subtract number value in the number setting
	Switch the items in the combo box
	Page up or down in the list
	Zoom in/out when preview and playback
Move mouse	Choose the widget or move the item in the widget
Drag mouse	Set the motion detect area
	Set the cover area

**Thank you for reading. If you have any questions, please contact us !**