

PVR210 User's Manual



Version 1.3

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Welcome

Thank you for purchasing our PVR210 series product!

This user's manual is designed to be a reference tool for the installation and operation of your system.

Please read the following safeguard and warnings carefully before you use this series product!

Please keep this user's manual well for future reference!

Safeguard and Warnings

1 . Electrical safety

- All the installation and operations here should conform to your local electric safety rules.
- We assume no liability or responsibility for all the fires or electrical shock caused by unauthorized handling or installation.

2. Environments

- Always transport, storage and install the device in the specified temperature and humidity environments.
- Do not leave the PVR device in corrosive environment such as chemical factory.

3. Transportation and Installation

- Please handle PVR device carefully
- This device shall avoid strike or strong vibration. PVR device may be damaged if you use or storage improperly.

4. Accessories

- Be sure to use all the accessories recommended by the manufacturer.
- Do not expose the camera to strong light for a long time. It may damage the sensitive components such as the CMOS.

5. SD card

- Please pay attention to SD card installation direction. Otherwise it may result in SD card damage or PVR damage!
- Do not remove the SD card when you implement the SD card operation such as record, playback, format, delete, upgrade and etc. Otherwise it may result in SD card file damage!
- When system is upgrading, please make sure the battery power capacity is sufficient. Please connect the device to the power charger if possible. During the whole upgrade process; do not

remove the SD card! Otherwise it may result in upgrade failure and system can not restore to the proper running status!

- Please make sure PVR device connection is right before you begin recording.

Warning

- Do not dismantle PVR device without authorization!
- Improper battery use may result in fire, explosion, or personal injury!
- When replace the battery, please make sure you are using the same model!

Some functions listed in this user's manual are optional. Please make sure you purchased model supports current function before your operation!

1 General Introduction

1.1 Features

This portable video recorder (PVR) is law enforcement equipment for individual suitable for special industries such as police force, army force. It can completely record the law enforcement process and provide on-site audio record, video record, playback function. It is portable and is compatible with semi-stational use. PVR is very convenient to carry and is easy to operate.

1.2 Specifications

Name	PVR210	
Video	Record resolution	Max 1024*768
	Compression algorithm	H.264
Audio	Compression mode	AAC
Battery	Battery working period (Main unit only)	For the general device, it is about 4.5 hours. For the device of the network module, it is 2-3 hours.
	Battery capacity threshold alarm	When battery left power capacity is less than 10 minutes, the buzzer begins beeping regularly to alert you to recharge.
	LCD power management	System can automatically shut down LCD power after the PVR stopped operation for specified time such as ten seconds (adjustable).
	Standby time	About 40 hours
Unit Port	Mini USB port	USB2.0 high-speed port
	1394b port	Connect the main unit to the cable control module.
	Recharge port	To recharge the device.
	SD card	One SD card port
	Key	Nine keys (Including one on/off button and eight special keys.)
Storage	SD card	Support SD1.0, SD1.1, and SD2.0 standard.

	SD card alarm	When the card is about to full (about five-minutes recording time left), you can hear buzzer beeps to alert you to replace a SD card.
Status Indication Light	Cable control light	<ul style="list-style-type: none"> ● Monitor status: Cable control light flashes once in every three seconds. ● Record status: Cable control light is on. ● Pause status: Cable control light flashes once per second. ● Standby or stop status: Cable control lights all become off. ● Shut down mode: Cable control lights all become off.
General Parameter	Working temperature	0°C – +55°C
	Working humidity	10% – 90%
	Dimensions (L*W*H)	105mm×75mm×34mm
	Weight	0.14Kg(excluding battery and cable control)

2 Framework

2.1 General Structure

Please refer to Figure 2-1 for general structure.

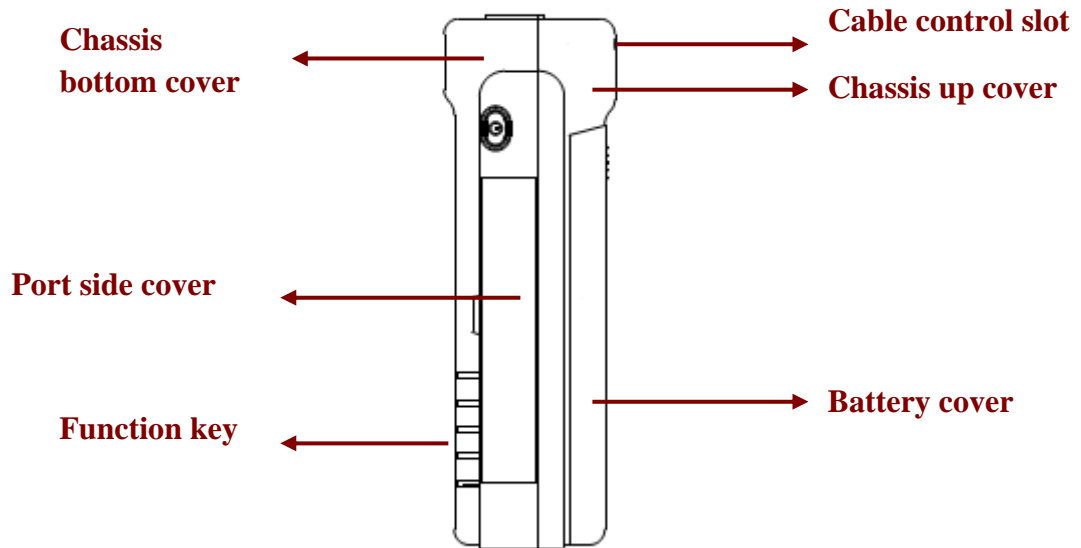


Figure 2-1

2.2 Front Panel

Please refer to Figure 2-2 for external keys.

There are nine keys. It includes one power button and eight special keys.

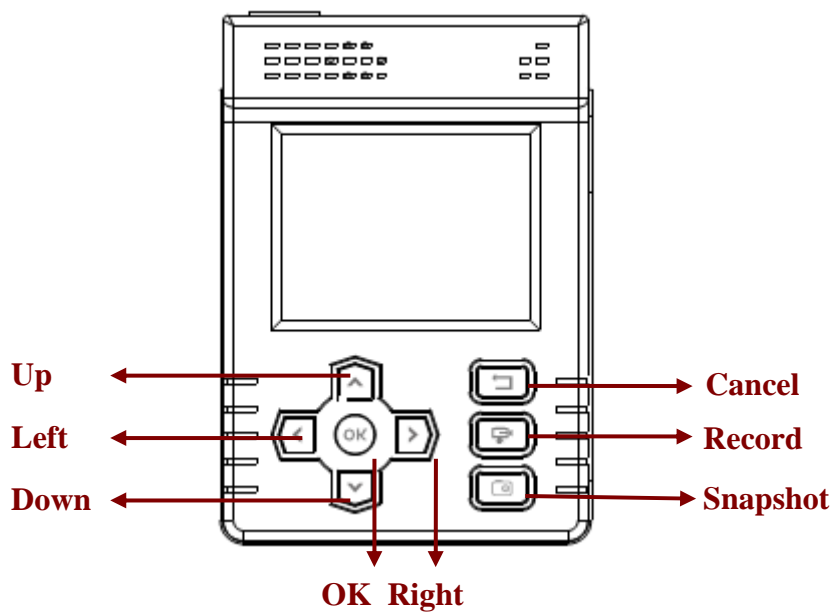


Figure 2-2

2.3 Port

Please refer to Figure 2-3 for external ports.

- Cable control port: Here you can input cable control to provide audio and video signal, the key control signal input and status indication light.
- SD card port: Input ordinary SD card. Please pay attention to SD card installation direction. It supports SD1.0, SD1.1 and SD 2.0 standard.
- External power port (it is round and has a socket in the middle.): It is to provide power to the device.
- Mini USB port: You can connect the device to the PC via this port.

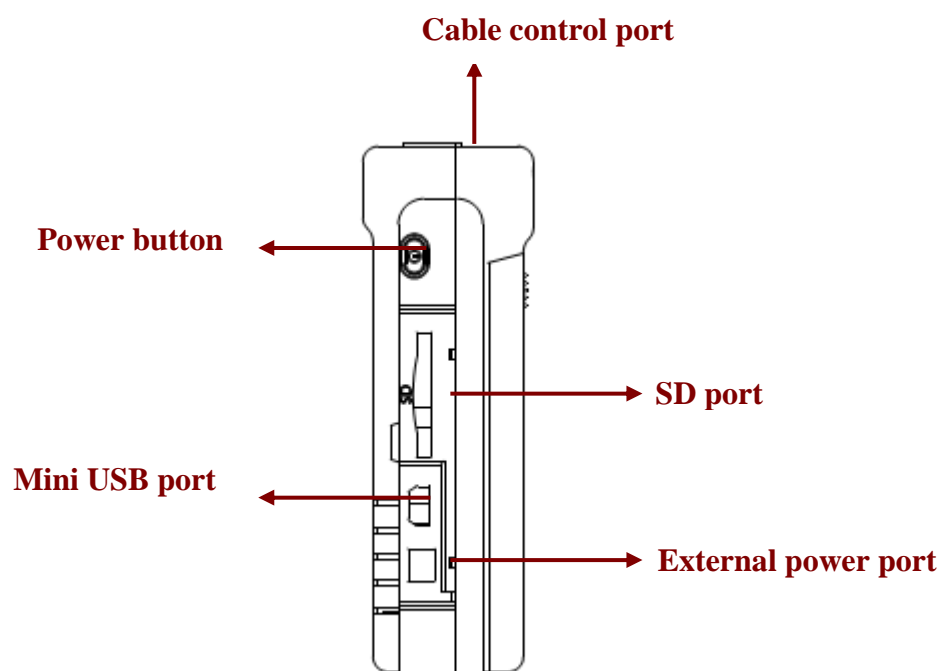


Figure 2-3

2.4 Cable Control Introduction

Please refer to Figure 2-4 for cable control information.

Cable control sub-system includes one camera, one microphone, two control keys and one status indication light. System provides analog audio and video signal input and keystroke control signal input. Status indication light can represent various statuses (On/Off/Flash. Please refer to Chapter 1.2 Specifications for detailed information)

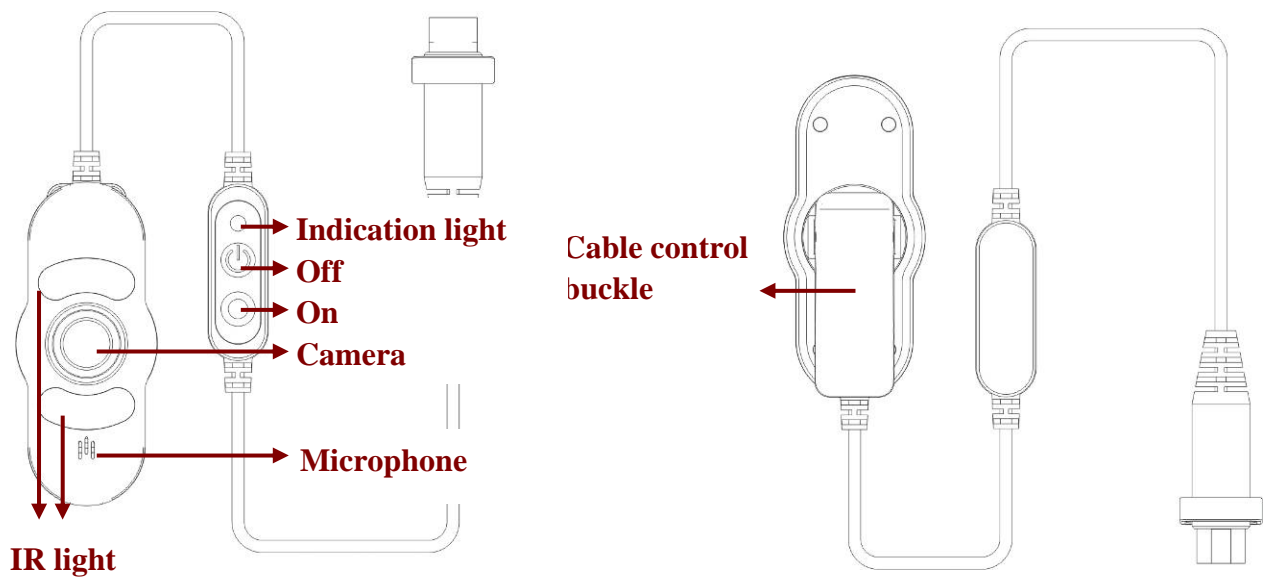


Figure 2-4

About the cable control lens daily maintenance

- Do not touch the camera of the cable control; you can use the blower to clean the dust on the surface of the lens. You can use the dry cloth with some alcohol or mild detergent to clear if necessary.
- Do not use the volatility solvent such as the benzene or thinner, or detergent with strong abrasibility. It may result in lens damage or it may adversely affect the device performance.

3 PVR Interface and Operation

3.1 Boot up and Shutdown

There are two ways for you to boot up the device.

- Press the Power button of the device for over two seconds, PVR system boots up. System goes to real-time monitor status by default.
- Press the Record button of the cable control for over two seconds, PVR system boots up. System goes to record status by default.

There are two ways for you to shutdown the device.

- When PVR is running properly, press the Power button for three seconds; you can turn off the PVR. You can see shut down interface and then system begins three-second countdown. System stops internal operation (such as record or play) first and then shut down. Before the count down ending, you can release the Power button to terminate current shut down operation.
- You can go to the menu and then shutdown the device via the system menu option. See chapter 3.6.5 Shutdown.

Note

When there is strong interference from the outside or there is invalid system operation, you can turn off the power and reload again.

3.2 Standby and Wake up

There are two ways for you to let the device standby.

- When PVR is running properly, press the Standby button of the cable control for three seconds; you can let the PVR standby. You can see standby interface and then system begins three-second countdown. System stops internal operation (such as record or play) first and then become standby. Before the count down ending, you can release the standby button to terminate current standby operation.
- You can go to the menu and then set the standby time via the system menu option. See chapter 3.6.3.2 Power setup.

There are two ways for you to wake up the device.

- When the device is standby, you can press the Power button at the front panel for three seconds to wake up the device. System goes to the real-time monitor status by default.
- You can press the Record button of the cable control for over three seconds to go to the record status.

3.3 Lock/Unlock

Press the left/right button once respectively within two seconds, you can lock the device, Repeat the operation, you can unlock the device

If you press any button when the device is locked, system pops up the following dialogue box.

See Figure 3-1.

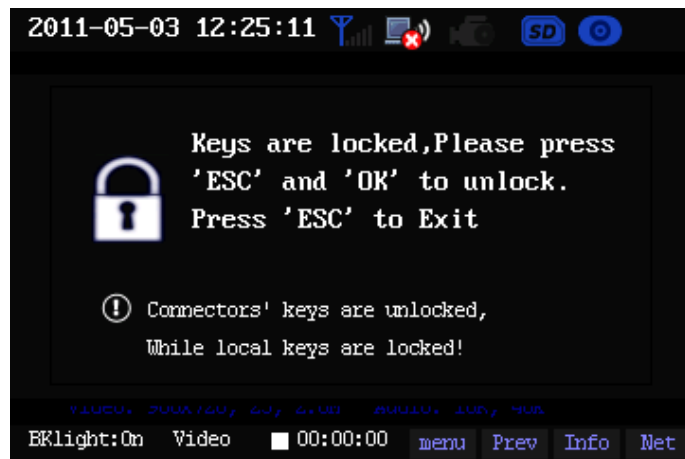


Figure 3-1

3.4 System Monitor and Management Interface

After the system booted up, press the Power button of the device for a long time, you can go to the monitor interface. See Figure 3-2.

The white block at the bottom means you are in monitor interface.

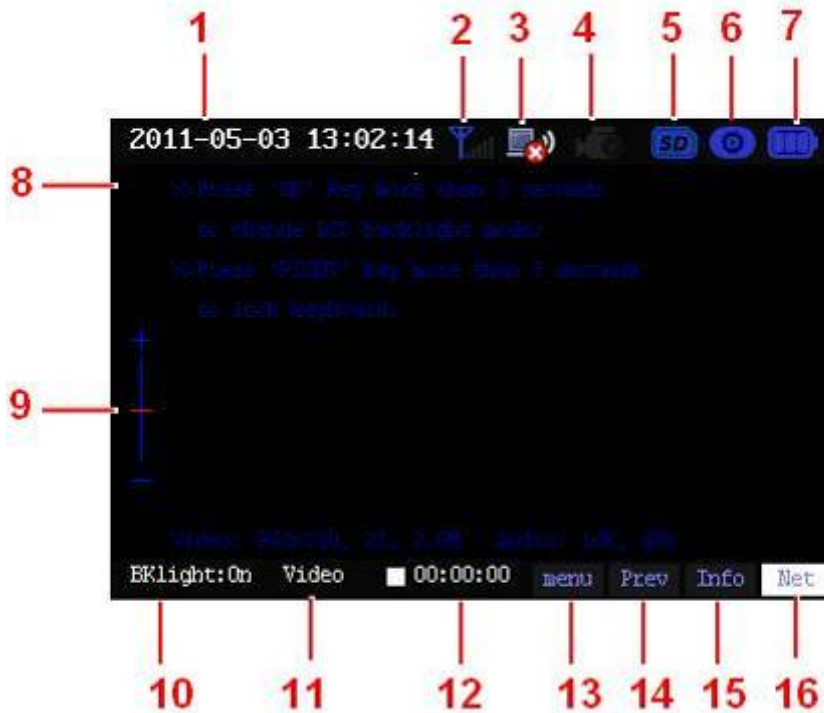


Figure 3-2

You can refer to the following sheet for detailed information.

SN	Name	Function
1	System time	Display system current date and time
2	Network signal	It is to display current network signal intensity.
3	Network status	It is highlighted when the device connected to the network. Otherwise it is grey.
4	Working status	You can see the corresponding icon when the device is playback, record or snapshot.
5	SD card status	This icon is grey when there is no SD card. This icon becomes highlighted when there is SD card.
6	Cable control status	This icon is grey when there is no cable control.

		This icon becomes highlighted when the cable control is available.
7	Battery capacity	When the battery left power capacity is less than 10 minutes, the buzzer begins beeping regularly to alert you to recharge.
8	/	Interface operation prompt information.
9	Camera zoom control bar	You can use the up/down button to adjust the zoom when you want to record or snapshot. "+" is to zoom in and the "-" is to zoom out.
10	Screen backlight mode	Press OK for a long time to switch.
11	Record type	There are two types: one is with audio/video together. One is with audio only.
12	Record status	<ul style="list-style-type: none"> □ : Stop recording; ■ ■ : Pause recording; ● : System is recording now.
13	Menu	Click it to go to the main interface.
14	Preview	Click it to go to the audio/video setting interface (chapter 3.6.3.5).
15	Information	<p>Click it to go to the SD card and GPS information interface.</p> <ul style="list-style-type: none"> ● SD card interface is to display the SD card status and capacity. See Figure 3-3. ● GPS interface is to display the device geographical information. See Figure 3-4.
16	Net	Click it to go to the network setup interface.

The SD card interface is shown as in Figure 3-3.

The SD card information includes the card status and information. When the device is recording, you can view the record remaining time here. In other statuses, you can view the total capacity and free capacity.

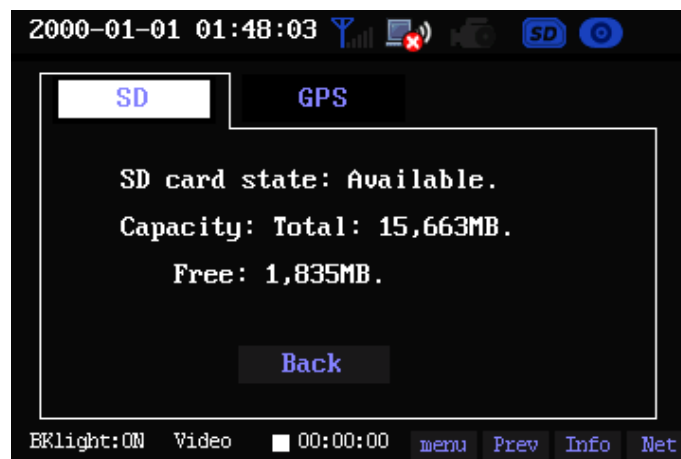


Figure 3-3

The GPS interface is shown as in Figure 3-4.

Please note the GPS is the optional function. Please make sure your purchased model supports this function.

In this interface, you can view the information such as GPS status, GPS real-time latitude and longitude, altitude, satellite.

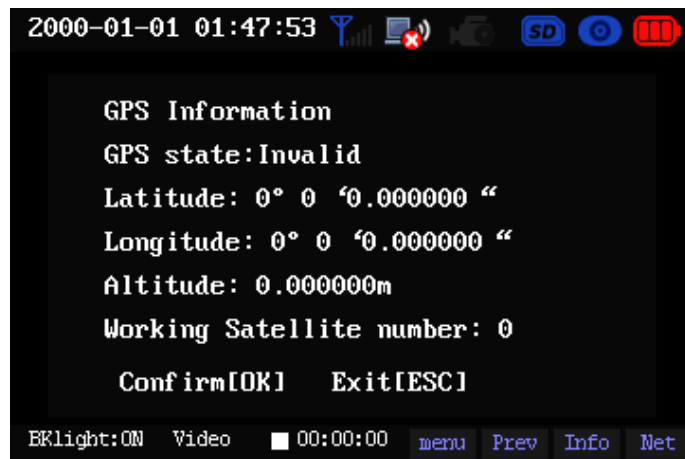


Figure 3-4

3.5 Record Operation

There are two ways for you to go to the record interface.

- You can click the Record button of the cable control when the device is off.
- After system boots up, please click Record button of the cable control or the Record button at the front panel to begin recording.

The red icon at the bottom of the interface and the blue recorder icon at the top of the interface mean you are in record interface now. See Figure 3-5.

You can refer to chapter 3.4 for general interface button information.

You can refer to the following sheet for detailed information.

Icon	Function
■	When the device is recording, press the Record button of the front panel, you can pause current record operation. You can see the icon ■ at the bottom of the interface.
●	In pause status, you can click Record button of the cable control or of the front panel to continue recording. You can see the icon ● at the bottom of the interface.
□	In record or pause status, you can press ESC button to stop recording. You can see the icon □ at the bottom of the interface.



Figure 3-5

System default recording package time is 60 minutes. When the file is about to full (about five-minutes recording time left), you can hear buzzer beeps to alert you to replace a SD card. All recorded files are automatically created and are storage under RECORD folder. File name format is: Year_Month_Date_Hour_Minute_Second.mp4.

3.6 Main Menu

Press OK button in the monitor interface, you can go to the main menu. The main menu buttons include playback, snapshot, parameter, and format and shut down.

You can use Left/Right button to highlight the corresponding item and then click the OK button to go to the corresponding interface. See Figure 3-6.

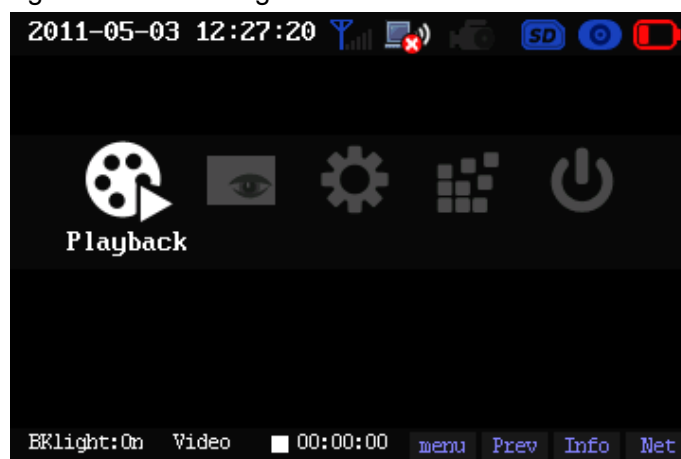


Figure 3-6

3.6.1 Playback

Please highlight the Playback button and then click OK button to go to playback file list interface.

See Figure 3-7.

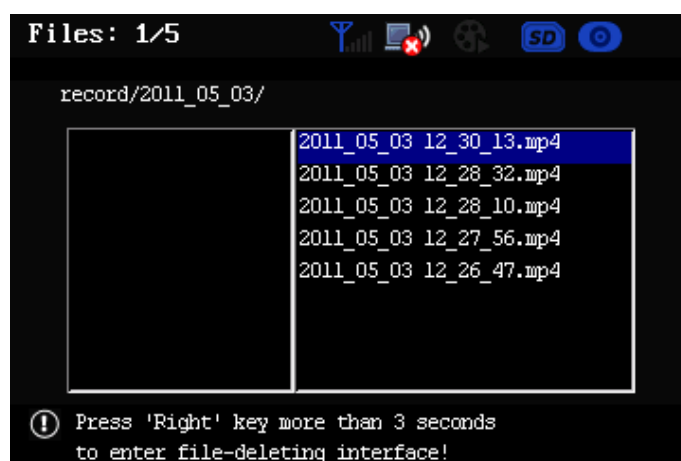


Figure 3-7

Basic Information

In playback file list interface you can view all recorded files in SD card RECORD folder. They are arranged in accordance with time. The latest file is on the top. System maximally displays 1024 files in one folder.

Detailed Operation

Please use Up/Down to select playback file and then click OK button to view. System automatically plays the next file after completing current one. After it played all files in RECORD folder, system goes back to playback list interface (Figure 3-7).

In playback list interface, select one file and then click right button for a long time, you can go to remove file dialogue box. Please click OK button to delete current file or you can click ESC to exit current interface.

Important

Please note you **can not** restore the deleted file if you remove here!

Playback control bar

During the playback period, click OK button for a long time, you can see a playback control bar shown as in Figure 3-8 . You can click Cancel button for a little bit while or press OK button for a long time to hide the playback control bar.

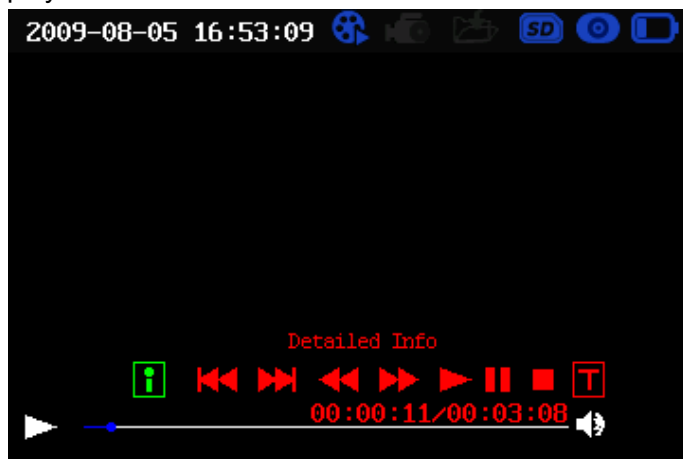


Figure 3-8

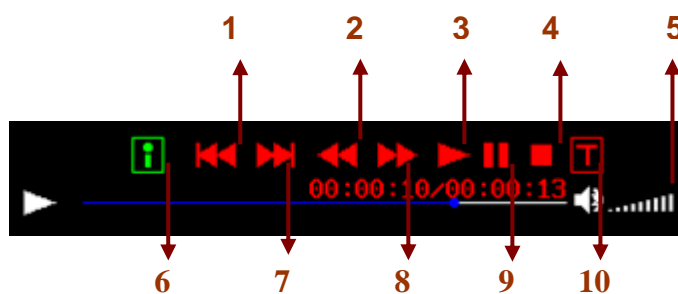














Figure 3-9

Please refer to the following sheet for detailed information.

Icon	Name	Function
	Detailed information	Here you can view current playback file basic information. Click the cancel button for a short time; you can hide the detailed information.
	Play previous or next file	Please use Left and Right button to select / and then click OK button to confirm. System can playback the previous or next file.

		When the playback control bar is hidden, you can click Left or Right button once to play.
 	Fast forward /fast backward	<p>Please use Left and Right button to select  /  and then click OK button to confirm. Now you can realize fast forward or backward function.</p> <p>When the playback control bar is hidden, you can press Left or Right button for a long time to realize these two functions.</p>
	Play	<p>You can use Left and Right button to select  to restore playback.</p> <p>When the playback control bar is hidden, you can click OK button for a short while to realize pause and restore function.</p>
	Pause	<p>When system is playback, please use Left and Right button to select  and then click OK button to confirm. Now you can see system is in pause mode.</p> <p>When the playback control bar is hidden, you can click OK button for a short while to realize pause and restore function.</p>
	Stop	<p>Please use click Left or Right button to select  to stop playback. System goes back to file list interface (Figure 3-7) after you stopped playback.</p> <p>When the playback control bar is hidden, you can press Cancel button for a short while to stop current playback.</p>
	Accurate playback	<p>Please use Left or Right button to highlight  and then click OK button to confirm. There is a red icon at the bottom of the playback bar. See Figure 3-11. You can use the Left or Right button to move the red icon, and then click OK button to confirm.</p> <p>Now you can see the playback symbol goes to the red icon position and then begin playback.</p> <p>You can press the Cancel button for a short while to exit current accurate playback.</p>

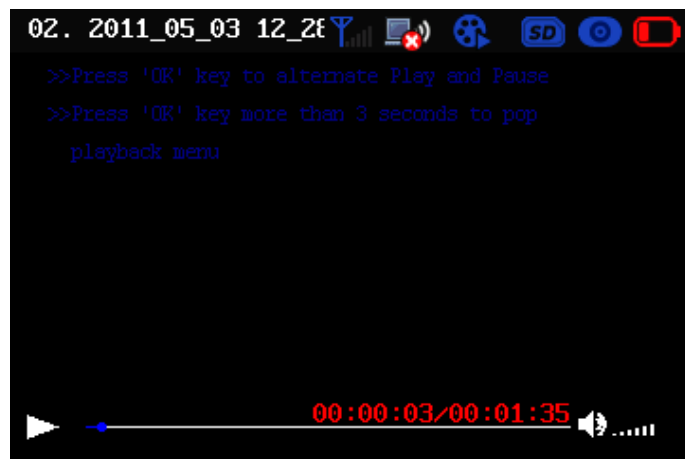


Figure 3-10

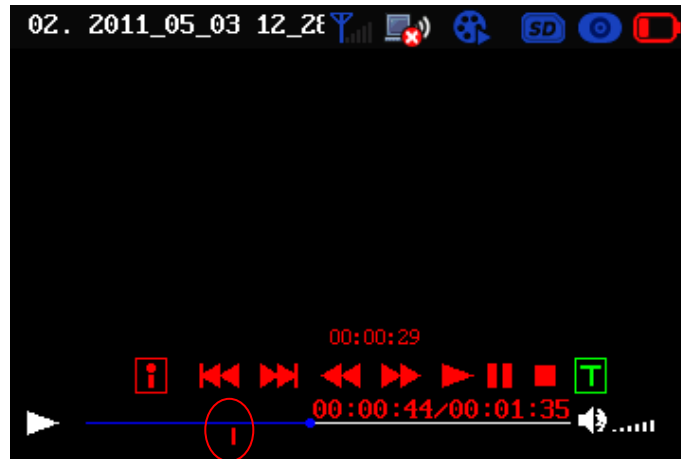


Figure 3-11

3.6.2 Snapshot

In the main menu, select Snapshot item and then click OK button. You can see the image file list. See Figure 3-12.



Figure 3-12

Basic Information

In playback file list interface you can view all recorded images in SD card PICTURE folder. They are arranged in accordance with time. The latest file is on the top. System maximally displays 1024 files in one folder.

Detailed Operation

Please use the left/right button to switch between the file folders and file list frame. Please use Up and Down to select playback file or folder and then click OK button to go to the file folder or begin the playback.

Press the OK button for a long time in the image browser interface; you can view the following control bar. You can click the Cancel button to hide the bar. See Figure 3-13.



Figure 3-13

Please refer to the following sheet form detailed information. You can use the left/right button to select and then click the OK button to confirm current operation.

Icon	Name	Function
	Zoom	Zoom in to the original size or zoom out to suite the LCD size. You can use the direction keys (up/bottom/left/right) to view after you zoom in. You can use the OK button to view if the control bar is hidden. You can see the zoom icon at the top right corner after you click this button.
	Detailed information	Here is to display the play file basic information.
	Play previous/Play next	Play the previous file or play the next.

3.6.3 Parameter Setup

Click OK button to go to main menu, highlight parameter item and then click OK to confirm, you can go to the parameter setup interface. See Figure 3-14.

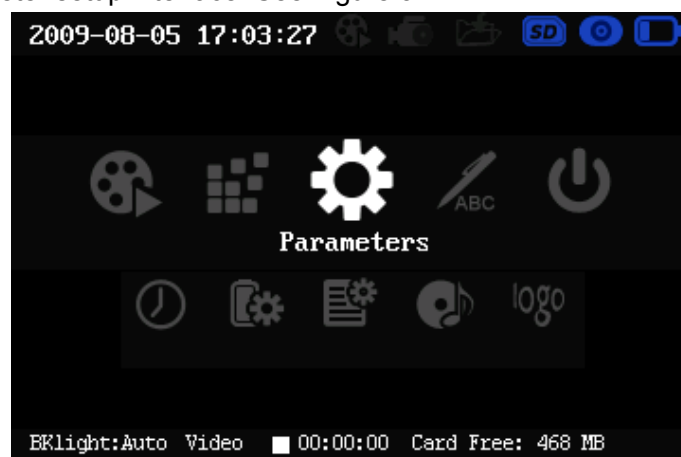


Figure 3-14

3.6.3.1 Time Setup

In Figure 3-14, please use Left and Right button to highlight time item and then click OK button to go to time setup interface. See Figure 3-15. Click Up and Down button to move the cursor to

select year/month/date/hour/minute. You can use Left and Right button to increase or decrease number.

Please use Up and Down button to move the cursor to highlight setup button and then click OK button to save current modification.

You can click ESC button to go back to previous interface after you completed setup.



Figure 3-15

3.6.3.2 Power Setup

In Figure 3-14, please use Left and Right button to highlight power item. Please click OK button to go to power setup interface. See Figure 3-16.

Please refer to the following sheet for detailed information.

Name	Function
Sleep in battery mode	In battery power supply mode, system automatically standby time when there is no system operation (Exclude record or playback) for specified time.
Standby in DC mode	In DC power supply mode, system automatically standby time when there is no system operation (Exclude record or playback) for specified time.
Backlight time	The device can auto close the screen once it is backlight for the specified time.
Key auto lock	When use lock function, lock function becomes active when there is no system operation (Exclude record or playback) for specified time. Please note cable control key will not be locked.

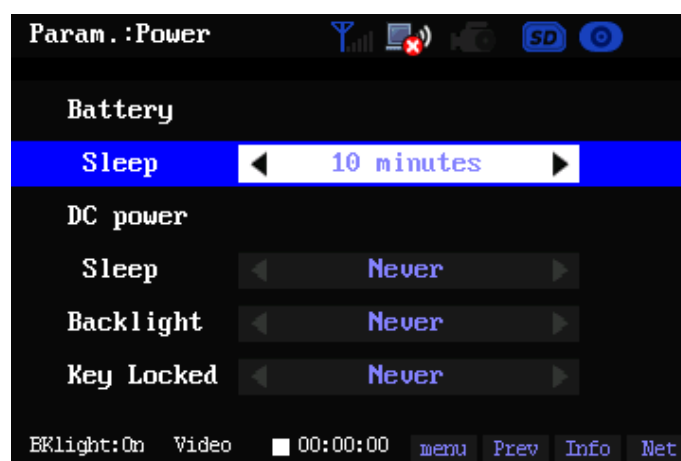


Figure 3-16

3.6.3.3 System Information and Firmware Upgrade

System Information

In Figure 3-14, please use Left and Right button to highlight System item and then click OK button to go to system setup interface. See Figure 3-17.

Here you can view hardware version, software version and SD card capacity. In this interface, you can also upgrade system.



Figure 3-17

Restore factory default setup

In the above interface, use the cursor to highlight the Restore button and then click the OK button, you can restore device configuration information to the factory default setup.

Firmware Upgrade

Please go to our website to get the latest upgrade software and then copy it to SD card UPDATE folder. Now you can insert the SD card into the PVR and then go to system setup interface. Click OK button, you can see system pops up a dialogue box asking you to confirm upgrade. Please follow the prompt to click OK button to begin upgrade. You can click Cancel button to exit.

During the upgrade period, you can refer to the process bar for reference. System needs to restart after completing upgrade. Please note during the upgrade period, system stops all other operations.

Warning!

- Before you upgrade, please make sure the battery capacity is sufficient.
- To guarantee upgrade safety, please connect the device to the recharge. During the upgrade period, do not remove the SD card!
- During the whole upgrade period, insufficient battery capacity or SD card remove operation can result in system upgrade failure! System can not operate normally and it can not restore!

3.6.3.4 Audio/Video

In Figure 3-14, please use Left and Right button to highlight Audio/Video item and then click OK button to go to the following interface. See Figure 3-18.

You can click the Preview button at the bottom of the interface to go to the following interface.

Please use Left and Right button to select the corresponding file type.

Important!

- Please note you can see the corresponding prompting dialogue box if you want to set the video resolution, video frame rate, video bit rate, audio bit rate when the device is recording!
- If system is recording right now, your setup here can not be valid immediately. You need to stop the record first and then enable record again to activate current setup.



Figure 3-18

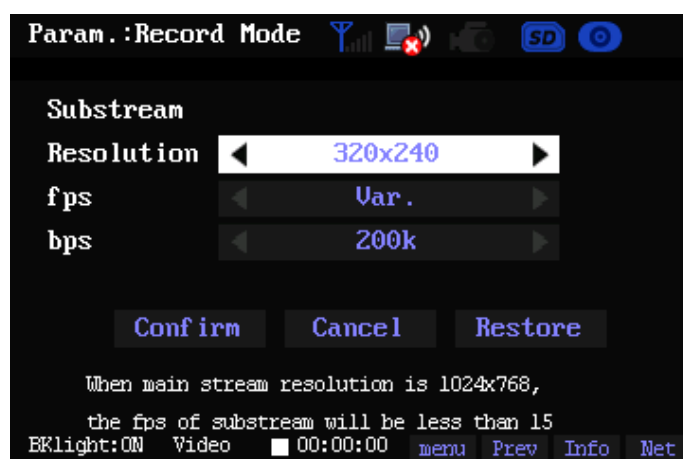


Figure 3-19

You can refer to the following sheet for detailed information.

Name	Function
Record type	There are two types: one is with audio/video and the other one is with the audio only.
Audio sampling rate	Right now the device support 16K only.
Audio frame rate	There are five options: 24k/32k/48k/64k/80k.
Video resolution	There are five options: 320*240/640*480/704*576/960*720/1024*768.
Frame rate	When the resolution is 320*240/960*720, the frame rate can be: VBR/3/5/6/8/10/12/15/16/18/20/22/25k/s.

	When the resolution is 640*480/704*576, the frame rate can be: VBR/5/6/8/10/12/15/18/20/22/25/30. When the resolution is 1024*768, the frame rate can be: VBR/3/4/5/6/7/8/9/10/11/12/13/14.
Bit rate	The bit rate may vary due to different video resolution and frame rate setup.
Auto focus	There are two options: on/off. When this function is on, the device can automatically adjust the lens focus. When this function is off, you can use the up/down button to adjust the focus manually.
Snapshot focus mode	There are two options: auto/manual. When in the auto mode, the device can automatically adjust the focus distance when snapshot. When in the manual mode, you can use the up/down button to adjust the focus manually.
Extra stream	Click it to go to the extra stream setup interface.
OK	You can click the OK button to save your current setting after you complete the setup. Before your modification, the frame rate and bit rate will maintain the same.
Cancel	Click it to cancel your current setting.
Restore	Here is to restore main stream factory default setup. Click the Restore button, you can see the system pops up a dialogue box asking you to restore factory default setup or not. Click OK button, system will begin restoring. Please note if the device is recording, system can not restore the factory default setup. You can see the corresponding dialogue box.

The extra stream setup interface is shown as in Figure 3-20.

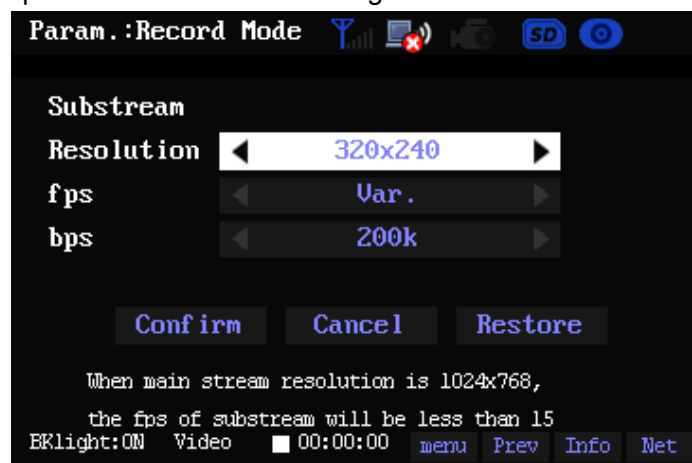


Figure 3-20

You can refer to the following sheet for detailed information.

Name	Function
Video resolution	There are three options: 320*240/640*480/704*576.
Frame rate	The corresponding frame rate can be VBR/3/5/6/8/10/12/14/15/18/20/22/25. Note: The max extra stream frame rate is 14f/s when the main stream resolution is 1024x768.
Bit rate	The bit rate may vary due to different video resolution and frame rate setup.
OK	You can click the OK button to save your current setting after you complete the setup. Before your modification, the frame rate and bit rate will maintain the

	same.
Cancel	Click it to cancel your current setting.
Restore	Here is to restore extra stream factory default setup. Click the Restore button, you can see the system pops up a dialogue box asking you to restore factory default setup or not. Click OK button, system will begin restoring. Please note if the device is recording, system can not restore the factory default setup. You can see the corresponding dialogue box.

Important

- In the record mode, you can not change the video resolution, video frame rate, video bit rate and audio bit rate. You can see the corresponding dialogue box.
- Please note if the device is recording, system can not restore the factory default setup. You can see the corresponding dialogue box.

3.6.3.5 Boot up Interface

In Figure 3-14, please use Left and Right button to highlight Boot up Interface item and then click OK button to go to the boot up dialogue box. You can set to use your self-defined boot up interface.

Click Cancel you can go to the previous interface, click Ok you can update the boot up interface.

Important

Before modification, Please copy the logo.bmp file (16-bit or 24-bit color, 360*240) to the UPDATE folder.

Please make sure the boot up file name is logo.bmp, other file names are invalid.

3.6.3.6 Network Setup

Important

Before the operation, please make sure your device has the network module.

In the Parameter interface, please highlight the network icon and then click the OK button to go to the network interface.

3.6.3.6.1 WIFI Setup

The WIFI setup interface is shown as in Figure 3-21.

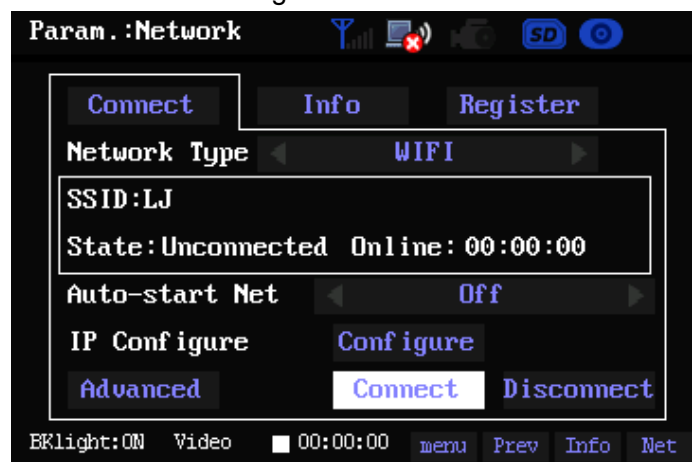


Figure 3-21

Please refer to the following sheet for detailed information.

Name	Function
------	----------

Connection	<ul style="list-style-type: none"> ●It is to display the current network connection status: <ol style="list-style-type: none"> 1) SSID: It is the SSID of the router you are going to connect to. 2) State: Here you can see current network status. It includes two statuses: connected or disconnected. 3) Online time: It is to display the connection time. ●You can set the network parameter if necessary. ●Please refer to the following operation contents for detailed information.
Information	It is to display current network configuration information.
Register	<ul style="list-style-type: none"> ●Register the device to the corresponding server according to your setup here. ●Please refer to the following operation contents for detailed information.

Detailed operation

3.6.3.6.1.1 Connect

- **Network type: WIFI.**
- **IP configure: Manual.**

Please highlight the Configure button and then click the OK button, the interface is shown as in Figure 3-22. The IP address, subnet mask and the default gateway is to display the previous setup information. Please click the OK button at the item you want to set; you can see the system pops up a dialogue box for you to input the number for the IP address, subnet mask, default gateway and DNS. Click the Input button to verify the value.

Please highlight the Confirm button and then click the OK to save current setup.

Important

The max value of the first byte of IP address of the subnet mask is 255. All the first byte of the IP address is 223. The max value of rest bytes is 255. Once you input is out of the threshold, system just saves the max value.

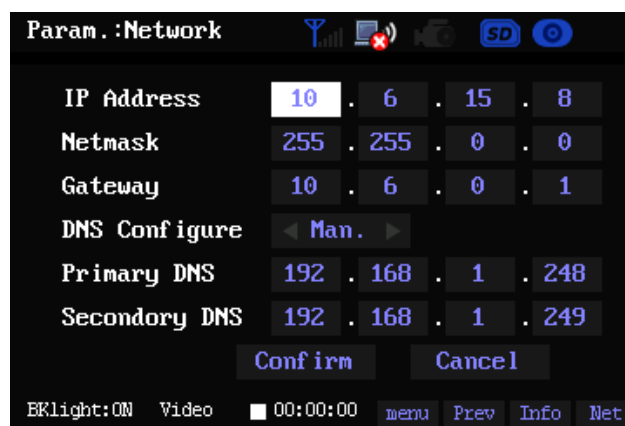


Figure 3-22

- **Advanced**

Click the Advanced button in Figure 3-21; you can go to the following interface. See Figure 3-23. Please select a router SSID you want to connect from the list and then click the OK button.

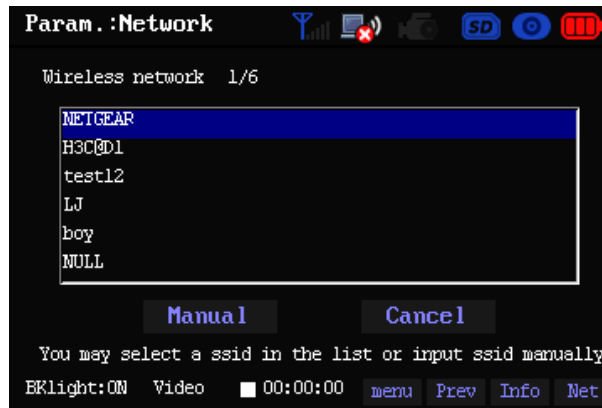


Figure 3-23

If current router has been encrypted, you need to input the corresponding password. See Figure 3-24.

You can also input SSID, encrypt way, password manually and then click the OK button to save current setup.

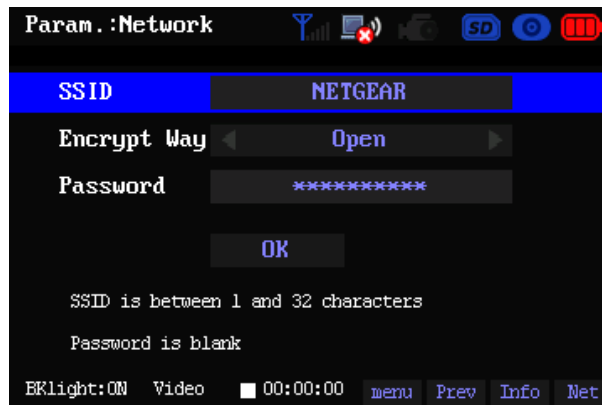


Figure 3-24

- **Connect**

Click the Connect button in Figure 3-21 to connect to the network. You can see the corresponding dialogue box. See Figure 3-25.

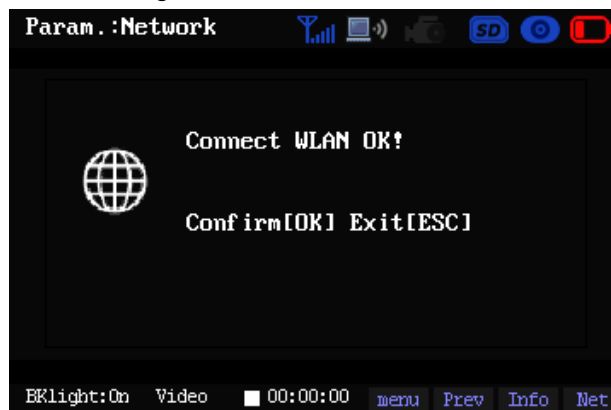


Figure 3-25

System will check the IP conflict occurred or not after WIFI connection. You can see the following dialogue box if the IP conflict occurred. See Figure 3-26.

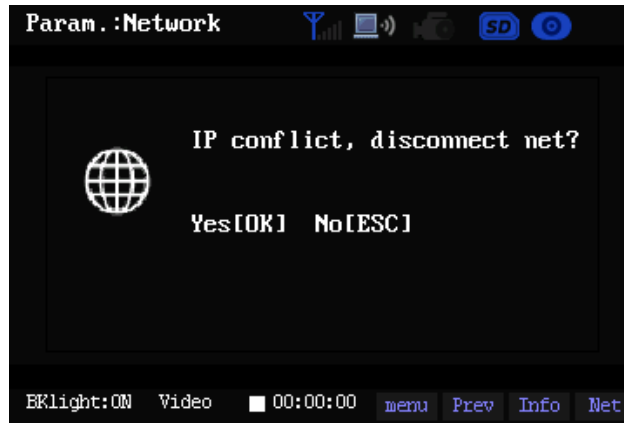


Figure 3-26

- **Disconnect**

Click Disconnect button in Figure 3-21 to disconnect to the WIF network.

3.6.3.6.1.2 Information

Here you can view the corresponding device network connection information of your setup. See Figure 3-27.

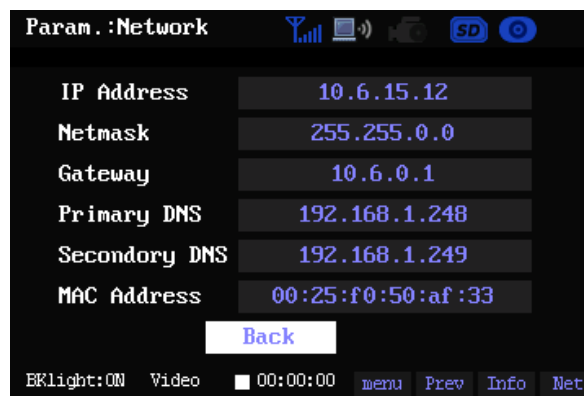


Figure 3-27

3.6.3.6.1.3 Register

Highlight the Register button and then click the OK, the interface is shown as below. See Figure 3-28.

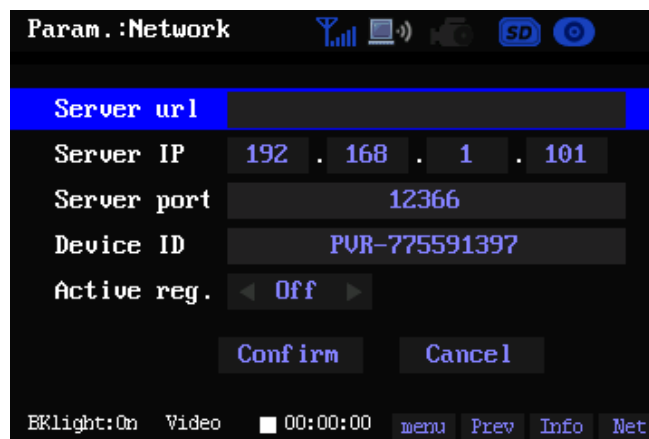


Figure 3-28

Please refer to the following sheet for detailed information.

Name	Function
Server domain name	You can input server domain name here.
Server IP	You can input connection server IP here.
Server port	You can input server port here.
Device ID	<ul style="list-style-type: none"> ● It is the unique symbol that the device registered to one media server. The string format is: PVR-random number. ● You can modify if necessary.
Auto register	There are two options: On/off. On; The device can automatically register to the corresponding server. Off: The server connects to the device.
Confirm	You can click it to save current setup. It can remind you that current setup is old once you have not modified.

3.6.3.6.2 About the input method

When you are input router password, set server domain name and the device ID, system adopts the T9 input method. You can see the system pops up the following dialogue box. See Figure 3-29. Please use the direction keys to select the character and then click the OK button to confirm current option. You can see the selected character displayed in the No1 position. For other input interface, you can see a dialogue box on the right pane of the Figure 3-29.

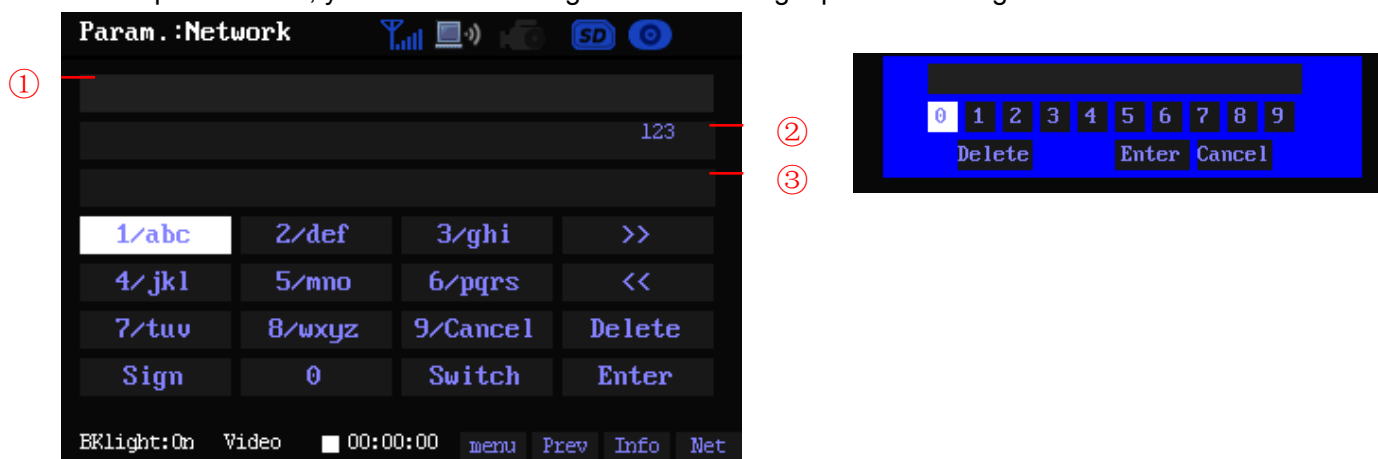


Figure 3-29

You can refer to the following sheet for detailed information.

Name	Function
Switch (Input method)	It includes four options: Chinese, capitalize English character, small English character, number. You can click to switch. In Figure 3-29, you can see the current input mode at number 2 position.
Character information	It is to prompt the input character and remaining character amount.
Sign	Click it to switch between the current input mode and the sign. When you are in sign input mode, you can see the corresponding symbol bar at the number 3 position.
Cancel	It is only valid in Pinyin mode (For Chinese character input only). It can remove current input Pinyin and then input again.

<<	Previous page
>>	Next page
Delete	Click it to remove the last input character. It can delete two bytes in Pinyin mode and it can delete one byte in other input mode.
Enter	Output the current input contents to the above layer.

3.6.3.6.3 3G Network

The 3G network interface is shown as in Figure 3-30.

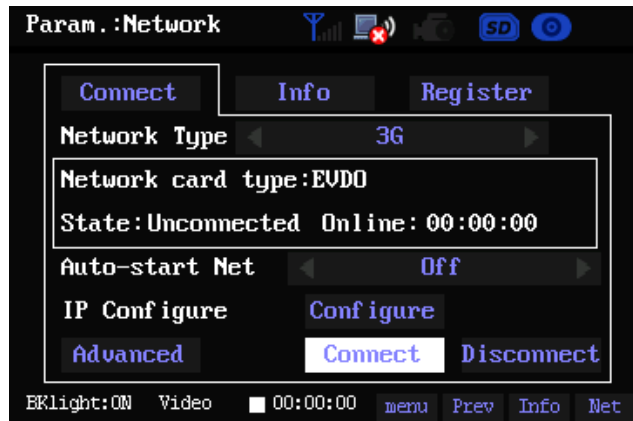


Figure 3-30

Please refer to the following sheet for detailed information.

Name	Function
Connect	Display current 3G network connection status. <ul style="list-style-type: none"> ● Network card type: There are two options: EVDO/WCDMA according to the different 3G module. ● State: Current network connection status. There are two options: connect/disconnect. ● Online time: Here you can view network connection time. You can set the network. You do not need to set the IP address. Please refer to the following contents for detailed operation information.
Information	You can see current network setup information.
Register	<ul style="list-style-type: none"> ● You can set the setup information so that the device can connect to the corresponding server. ● Please refer to the following contents for detailed operation information.

3.6.3.6.3.1 Connect

- **Network type: 3G.**
- **IP configure:** You do not need to set. The IP address, subnet mask, gateway, DNS parameter and etc can get from the operator after you successfully connected to the 3G network.
- **Advanced**

Highlight the Advanced button and then click the Confirm button; you can go to the 3G advanced setup. Please click the Confirm to save current setup. See Figure 3-31.



Figure 3-31

Please refer to the following sheet for detailed information.

Name	Function
Extra command	You can input the additional 3G dial command manually.
Dial number	You can input dial number manually.
User name and password	The user name and password you get from your operator. It can be modified if necessary.

● **Connect**

Click the Connect button in Figure 3-30 to connect to the network. You can see the corresponding dialogue box. See Figure 3-32.

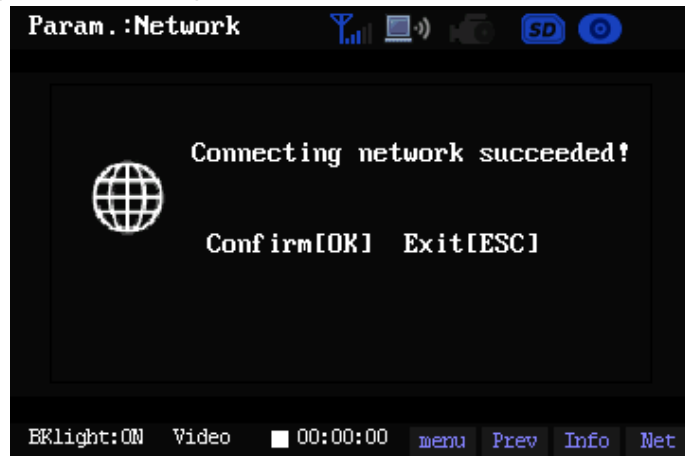


Figure 3-32

If the SIM card is not proper, system will display the following dialogue. See Figure 3-33. You can see the system can not connect to the 3G network.

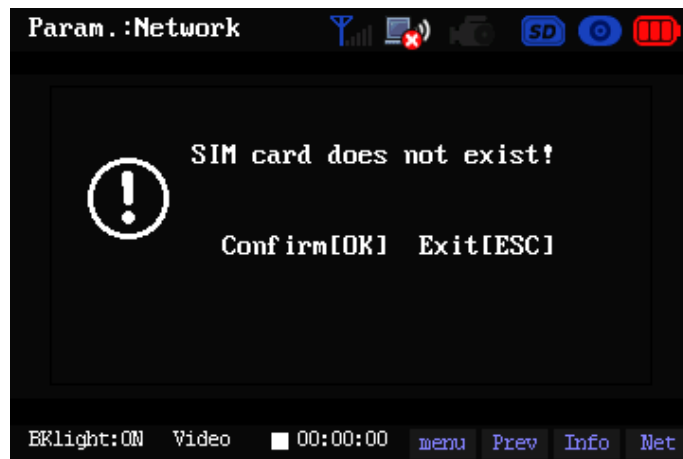


Figure 3-33

- **Disconnect**

Click Disconnect button in Figure 3-30 to disconnect to the 3G network.

3.6.3.6.3.2 Information

You can view the corresponding IP address, subnet mask, gateway, DNS information from the operator after successful network connection.

3.6.3.6.3.3 Register

Please refer to the register section of the WIFI setup.

3.6.4 Format

In the main menu, select Format item and then click OK button. See Figure 3-34. You can go to the format interface. Please follow the prompt information to click OK button to begin format process. You can click Cancel button to go back to previous interface.

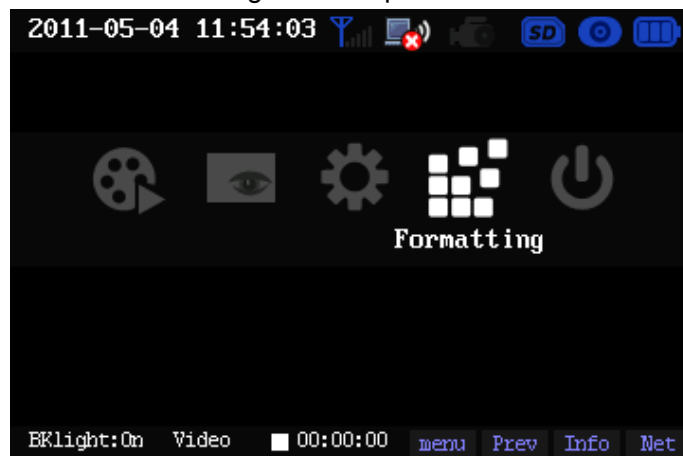


Figure 3-34

Important!

All data in the CS card will be removed completely and can not be restored!

Before format operation, please make sure you have backup all important files and data!

3.6.5 Shut Down

Please stop record operation first, and then in the main menu, use Left and Right button to highlight Shutdown item and then click OK button to turn off the PVR directly. See Figure 3-35. You can press the power button for a long time or cable control key to turn off the PVR.

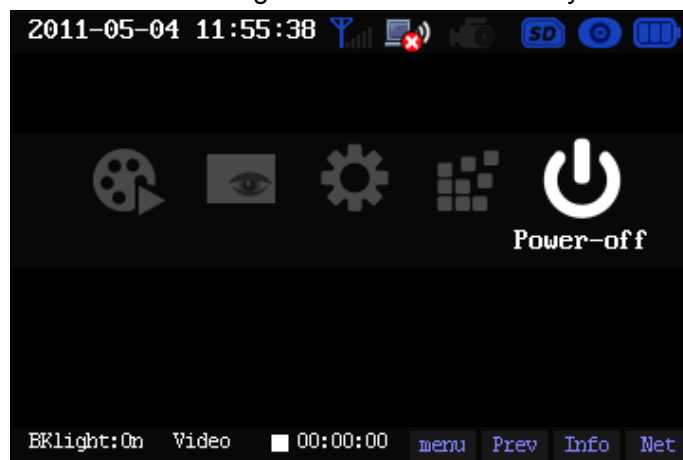


Figure 3-35

Appendix Toxic or Hazardous Materials or Elements

Component Name	Toxic or Hazardous Materials or Elements					
	Pb	Hg	Cd	Cr VI	PBB	PBDE
Construction Material	○	○	○	○	○	○
Circuit Board	○	○	○	○	○	○
Internal Wire/Cable	○	○	○	○	○	○
Cable Control Lens	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

Note

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard.

Note:

- This manual is for reference only. Slight difference may be found in the user interface.
- All the designs and software here are subject to change without prior written notice.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website or contact your local retailer for more information.