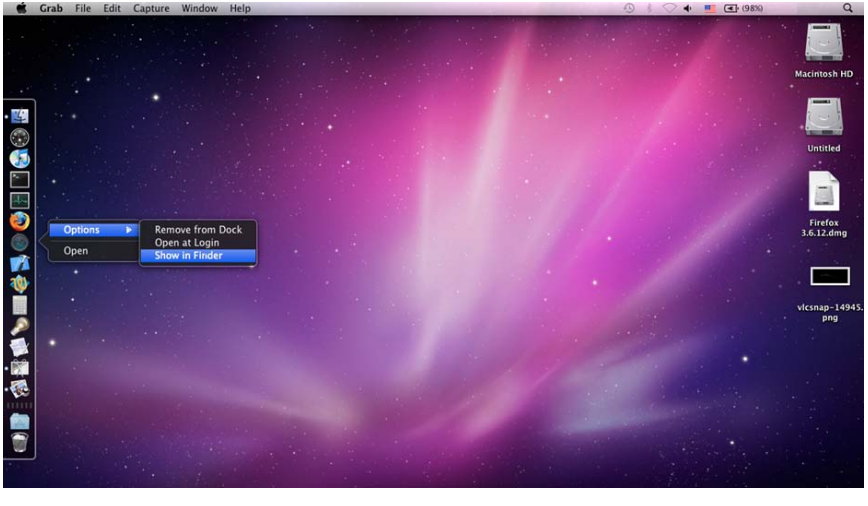
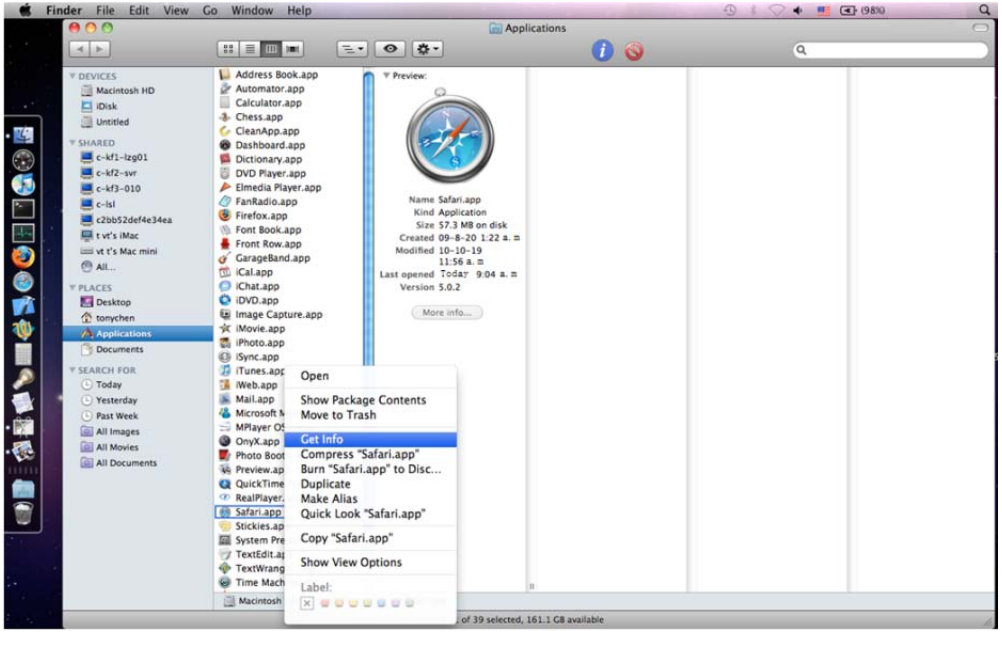
Remote Surveillance through Apple PC

Note: Because the current plug-in version of client end just only supports 32-bit mode, so the safari browser shall start 32-bit mode. If the browser is the earlier MACOS version, the default setting is 32-bit mode and the setting can be skipped.

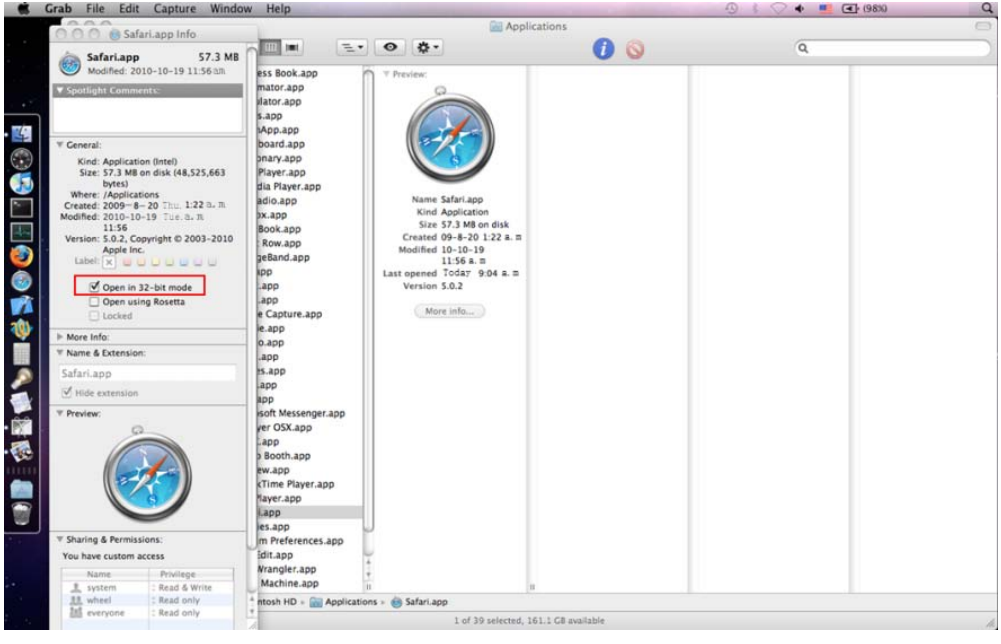
The Setting steps are as follows:



First: Right click safari icon and select “Show in Finder”.



Second: Select Applications→Right click “Safari. App”→Select “Get Info”.

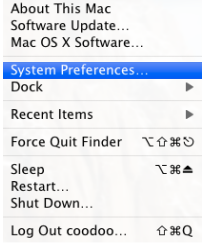


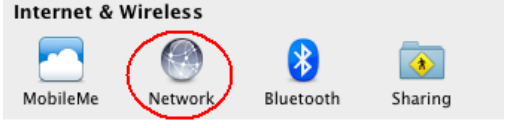
Third: Select “open in 32- bit mode”.

- **Remote Access**

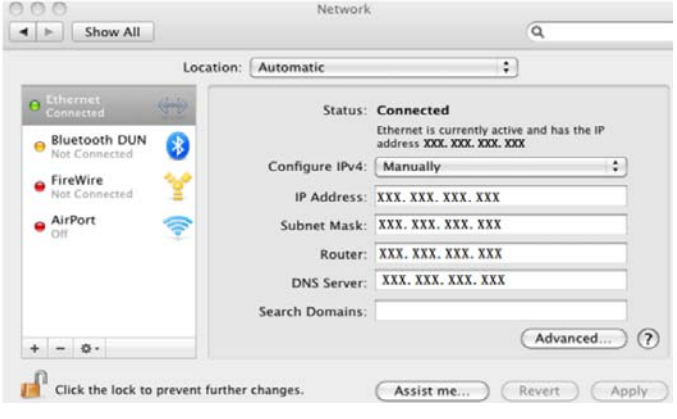
1.1 On LAN

Step 1: After starting Apple computer, click icon. The following window will pop up. Please select “System Preferences”→”Internet &Wireless”→click “Network”





Step 2: Enter into Network interface and then click “Ethernet Connected” to check the internet connection of Apple PC.



Step 3: After acquiring the IP address, Subnet Mask and so on, please enter into the DVR's Main Menu→Setup→Network interface to input IP address, Subnet Mask, etc as shown below.

Default configuration:

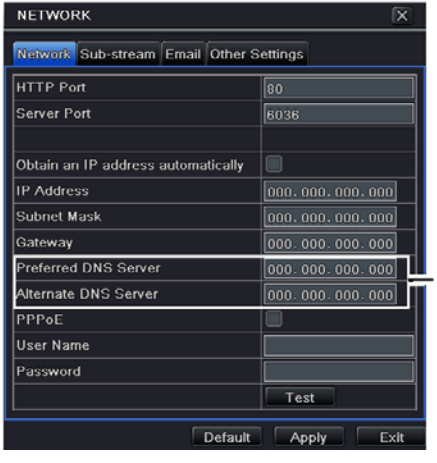
HTTP port: the default value is 80.

Server port: the default value is "6036".

IP address: the default value is "192.168.1.100".

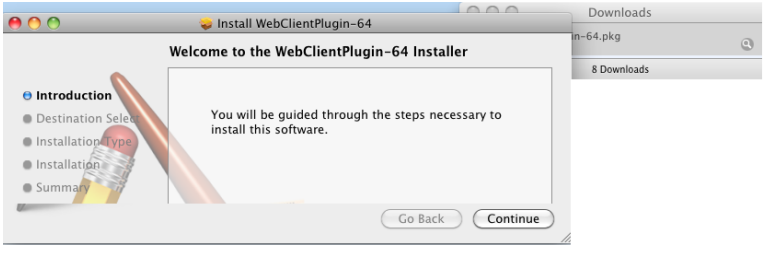
User needs to change the above parameters in light of the actual condition.

Manually input IP address, Subnet Mask and Gateway according to the configuration of PC. The network segment should be the same as the PC. If using DHCP, please enable DHCP in the DVR.



Step 4: After finishing the above information, users can enter LAN IP and http port in the Safari browser. For example: input http://192.168.1.100:81(here 192.168.1.100 is LAN IP of DVR, 81 is the http port of DVR). Click " C "button, the browser will download Active X control as shown below:

Step 5: Click  icon and then select the Active X control, the welcome interface will be shown as below:



Click “Continue”→”Install” button，the following window will pop up：

Input the name and password of Apple PC and then click “OK” to install this Active X control.

Step 6: After finishing installing the Active X control, please quit the interface of Safari browser. Right click  icon on the desktop and then select “Quit” button to quit the browser. Then reopen the Safari browser. Input the IP address and http port to enter into the login interface of DVR.

1.2 On WAN

Connecting through a router or virtual server

Step 1: Input IP address, Subnet, Gateway. If using DHCP, please enable DHCP in both the DVR and router.

Step 2: Mapping the IP address and port number in Virtual Server setup of the router or virtual server.

Note: Mapping block may be different in different routers and servers please check your router manual.

If the user wants to utilize dynamic domain name, he needs to apply for a domain name in a DDNS server supported by the DVR or router. Then add it to the DVR or router.

Step 3: After mapping the port, user can check the WAN IP in the router and then access the DVR by inputting WAN IP and http port, for example: http:// 116.30.18.215:HTTP port. Click “ ” button, the browser will download Active X control

Step 4: The following setting steps are as the same as Step 5 and Step 6 in LAN.

Connecting through ADSL:

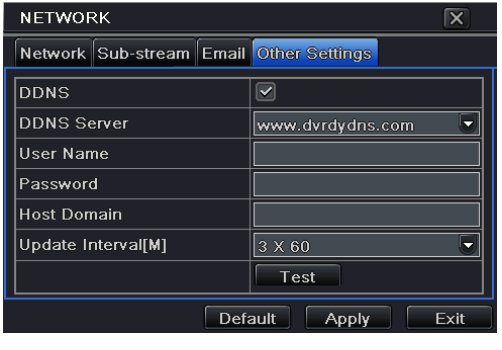
Step 1: If using ADSL to connect DVR directly, please select PPPoE and then input user name and password supplied by ISP. No router, IP address and Subnet Mask should be used.

When accessing the remote interface of DVR, user can input WAN IP to access directly (user can enter into Main menu→Information→Network interface to check IP address). Then click " " button, the browser will download Active X control

Step 2: The following setting steps are as the same as Step 5 and Step 6 in LAN.

Because WAN IP often changed, it is not convenient for remote access. User can access the remote interface of DVR through domain name.

There are DDNS in Network configuration of DVR. User can enter into the main menu→Setup→Network→Other Setting interface. Select DDNS and DDNS Server, for example, www.Dyndns.com. User can apply for Domain name from the website of www.Dyndns.com. (Please refer to chapter 4.6.4 Domain Name Registration for detail information)



Remote Preview

After Inputting the IP address and http port, user can enter into the login interface of remote control.

Input the user name and password of the DVR. The default user name is “Admin”; password is：“123456”. Select language and then click “Login” button to login the remote preview interface of DVR.

Fig 2.1 login

2.1 Remote Live Preview Interface

Fig 2.2 Remote Live Preview Interface

①	Channel indicator	②	Screen display mode
③	Start/Stop manual record	④	Snapshot
⑤	Color	⑥	PTZ control

Note: *Click*  *button to start/stop recording at DVR end.*

Screen display mode:

Click the icon beside the screen display mode, channel select dialog box will appear as below:

Take 8-channel view for example: user can select channels form 1-ch to 16-ch at random to display the live pictures, a maximum of 8 channels can be selected. Then click OK button to confirm the settings.

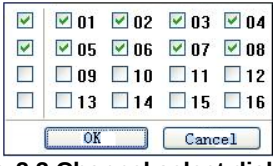


Fig 2.3 Channel select dialog

Snapshots

Click 'Snap' icon, the system will automatically capture pictures and save those pictures locally on the PC. User can setup the path for those pictures in the Config→Local Config

Color adjustment:

Drag the slide bar to adjust Brightness, Contrast, Hue, and Saturation. Click Default to reset them to original value.

Buttons	Description
	Drag the scroll bar to adjust the brightness of the channel.
	Drag the scroll bar to adjust the contrast of the channel.
	Drag the scroll bar to adjust the saturation of the channel.
	Drag the scroll bar to adjust the hue of the channel.
	Click this button to recover the default value of brightness, contrast, saturation and hue.
	Save the adjustment

PTZ Control

Please connect speed dome to the device through RS485, make sure the protocol of the speed dome is supported by the DVR and is configured accordingly in the DVR. User can move the dome up, down, left, right and adjust rotation speed, iris, zoom, focus and set the presets, etc.

Buttons	Description
	to rotate the dome upwards. to rotate the dome diagonally up-left. to rotate the dome diagonally up-right to rotate the dome downwards. to rotate the dome diagonally down-right to rotate the dome diagonally down-left to rotate the dome towards left. to rotate the dome towards right to stop rotating the dome.
	Drag the scroll bar to adjust rotating speed of the dome.
	'Iris' button. Click and button to open and close the iris of the dome.
	'Zoom' button. Click and to zoom in and out.
	'Focus' button. Click and button to adjust the focus
	Select and Go to the Preset
	Select and do auto cruise
	Track
	Auto scan

Stream: Right click on the live interface; a dropdown menu will appear as below

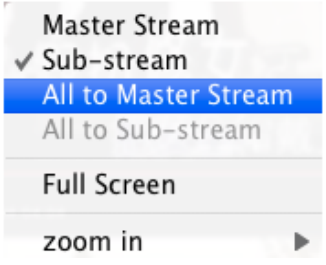


Fig 2.4 right key sub menu

The DVR supports master stream and sub stream. Master stream has higher frame rate, max 25 pps（PAL）/30 pps NTSC）for every channel, but it needs higher network bandwidth .The second stream has low frame rate, max 6 pps（PAL）/7 pps（NTSC） for every channel, it requires low network bandwidth as compared to the master stream. Therefore, users can select the stream according to their bandwidth.

All to Master/Sub-stream: Sets all channels to master stream or sub stream.

Full screen: The live preview picture will be displayed in full screen; the tool bar will remain hidden. Double click or right click to return.

Zoom in: Single channel large screen electronic amplification.

Click the channel which needs to be zoomed, right click, select Zoom in button to zoom the image, and double-click to exit. Right click to return to the main interface.

2.2 Remote Playback & Backup

2.2.1 Remote Playback

Click button to enter into record playback interface, refer to Fig 2.5:

Select the record date and channels; user can play that file and preview the picture by double-clicking the file name in the record file list box.

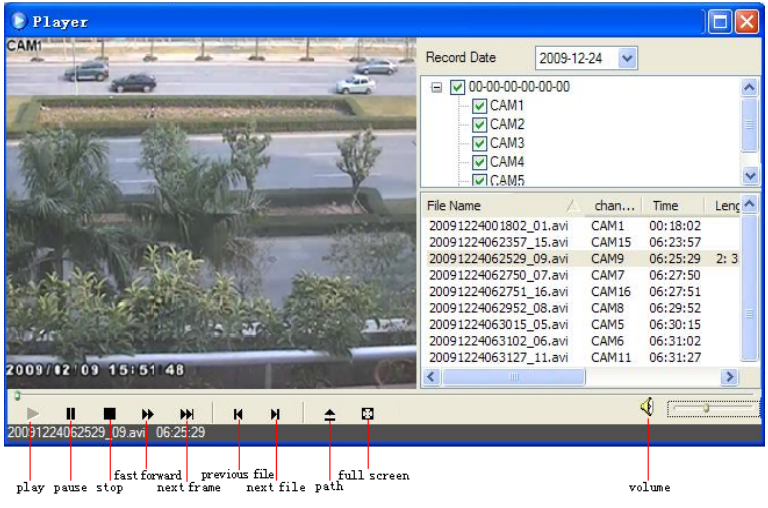


Fig 2.5 Play Recorded File Interface.

This DVR supports remote time search, event search and file management.

By Time Search:

- Enter into Search→Time search; refer to Fig 2.6:
- Click 'Search' button. The record data will be displayed in the data information list box. The highlighted date in the area② indicates recorded data. Select the required record, select the record channels in area③
- As required the user can set the data play time and display mode in the area①
- Select an item from the data information list box and click 'Play' button to playback
- Click the relevant buttons in the interface for operations like FF, pause, change channel mode, rewind, etc. refer to Fig 2.7:

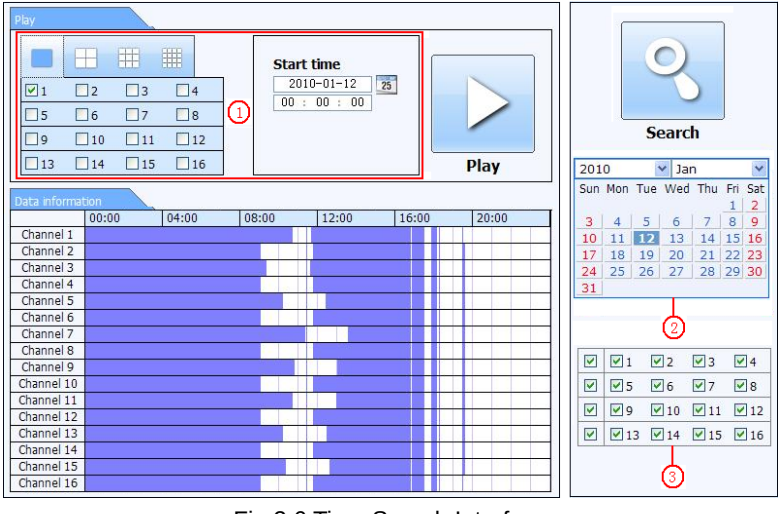


Fig 2.6 Time Search Interface

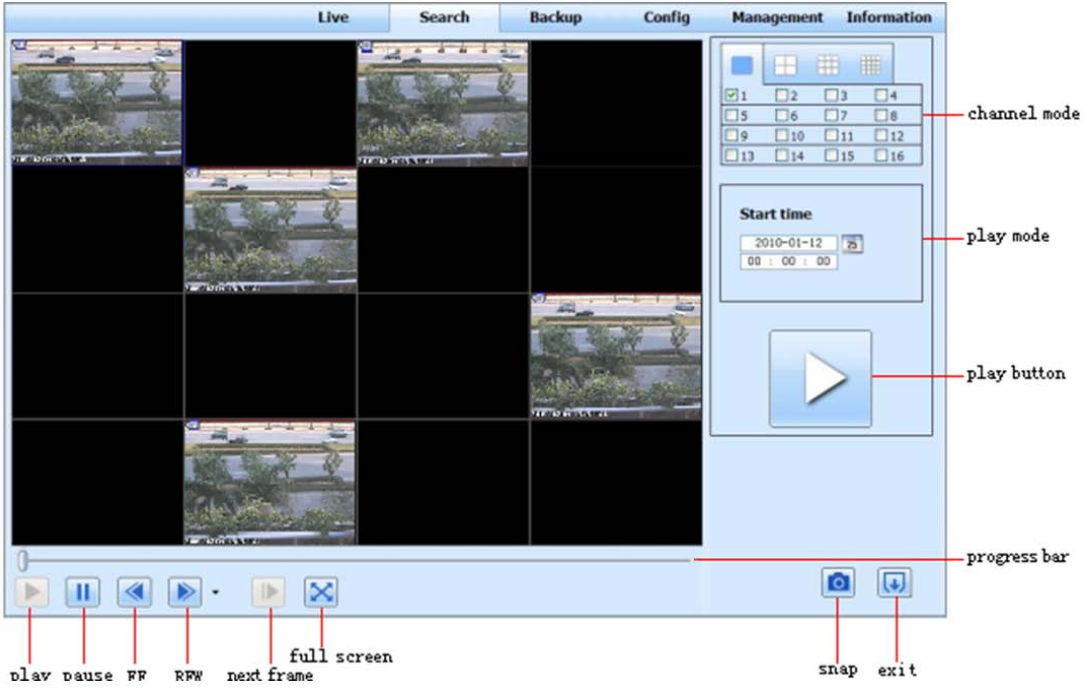


Fig 2.7 Time search playback

By Event Search:

- Enter into Search→Event Search; refer to Fig 2.8:

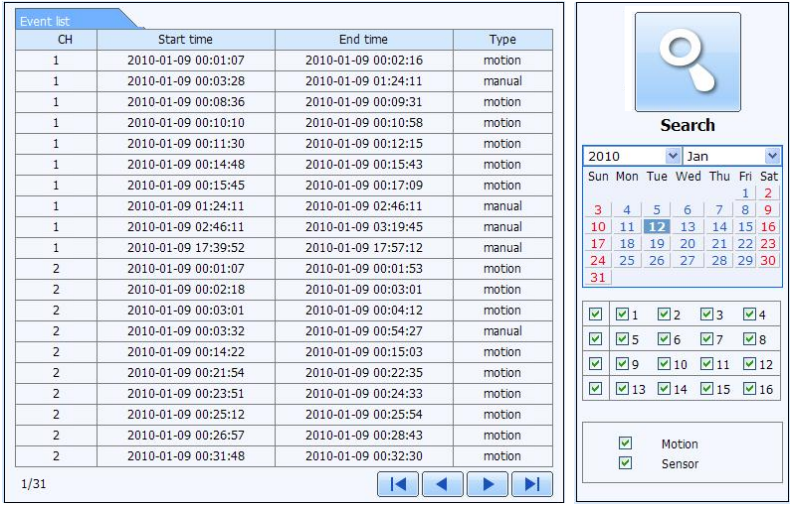


Fig 2.8 Event Search Interface

- Click the highlighted date and select record channels and then select the event type: motion and sensor, click the ‘Search’ button
- The events will be displayed in the event list box, double-click an item to playback the recording.

File Management

- Enter into Search→File Management; refer to Fig 2.9:

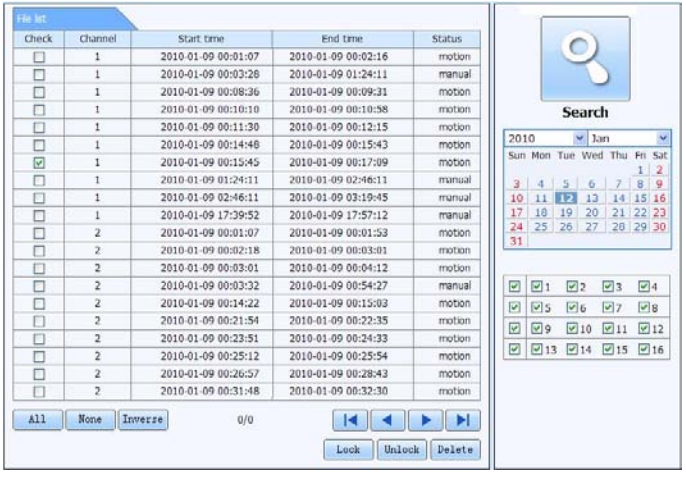


Fig 2.9 File Management Interface

Lock: Select a file item in the file list box, click ‘Lock’ button to lock this file. Once locked the file cannot be deleted.

Unlock: Select a locked file, click ‘unlock’ button to unlock the file.

Delete: Select an unlocked file, click ‘delete’ button to delete this file from file list.

2.2.3 Remote Backup (backup from DVR to PC)

Click BACKUP tab to enter into the backup interface, refer to Fig 2.10:

- Select channels, set the start and end time, then click ‘Search’ button, the file information will be displayed in the file list box.
- Select backup files, click ‘Browse’ button to set the path for saving the files, and then click ‘Backup’ button to start the backup. The backup files will be saved on user’s PC.

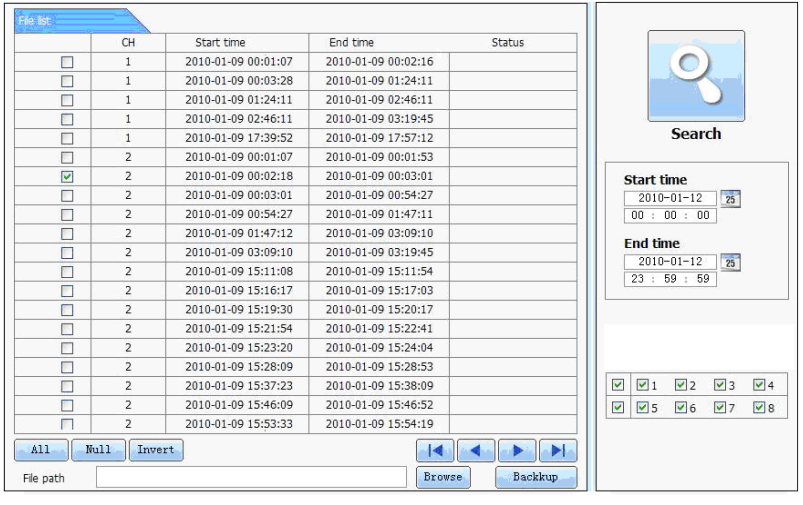


Fig 2.10 Remote Backup Interface

2.3 Remote System Setup

User can do remote setup of the DVR which includes functions like Basic Live Setup, Record, Schedule, Alarm Setup, Network, PTZ and User configuration, User should select an option from the menu list on the left, and then setup the relative parameters. Only one user can do configuration setup at a given point of time. Click CONFIG tab to enter the interface refer to Fig 2.11:

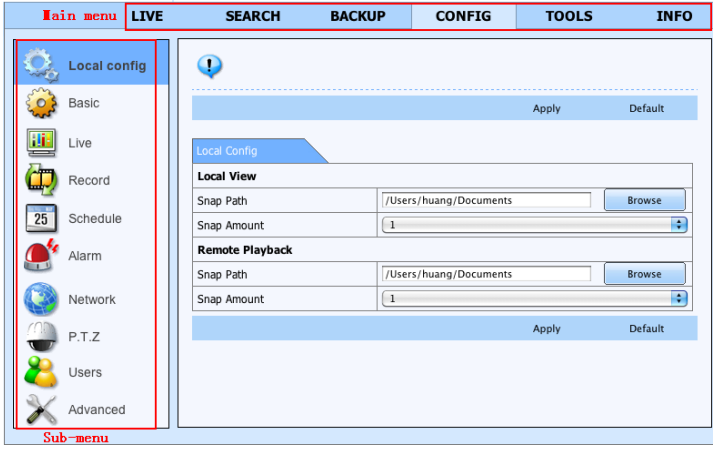


Fig 2.11 Remote Menu Setup

The sub menu list and the options in every menu are similar to that of the DVR. Please refer to section 3 Main Menu Setup Guide for more details.

Click ‘Apply’ button to save the settings, click ‘Default’ button for default settings.

2.4 Tools

Click on the tool's tab to access the Disk Management tool. The user can view the status of the hard drive(s), can view/change the read write properties and can also format the hard drive(s).

2.5 Remote Information

The Info tab provides a web based interface to access the general information pertaining to the DVR's settings. The interface includes five submenus: System, Event, Log, Network and Online users.

2.5.1 System information

In this interface, user can check the Device Name, Device ID, Hardware Version, MCU Version, Kernel Version, Firmware Version etc.

2.5.2 Event information

In this interface, user can search for events like motion, sensor and video loss. The utility provides an interface to have a date based and a channel based search.

2.5.3 Log Information

In this interface, user can search for relevant log information according to selected date, and event which includes Operation, Setup, Playback, Backup, Search, and Check Information & Error.

2.5.4 Network Information

In this interface, user can check the relevant parameters of network settings.

2.5.5 Online Information

In this interface, user can check the details of the current connection of online users.