



MVA-850 SERIES DVRS

Remote Surveillance - IE

Note: IP should be configured first well on DVR machine

1.1.1 Accessing DVR (software is on DVR machine)

DVR should connect with LAN or internet, enable network server in the unit.

This unit supports IE browser, not any client software installed and supports XP and Vista.

1.1.2 On LAN

Step1: Input IP address, Subnet, Gateway. If using DHCP, please enable DHCP in both the DVR and router. Go to Menu—Information—Network, check network configuration of DVR.

Step2: network stream to set network video parameters like resolution, frame rate etc.

Step3: Open browser on computer on the same LAN. Input the IP address of the DVR in IE address blank and enter.

Step4: IE will download ActiveX automatically, take an installation. Then a window pops up and asks for user name and password.

Step5: Input name and password correctly, and enter. It will show the picture as below.

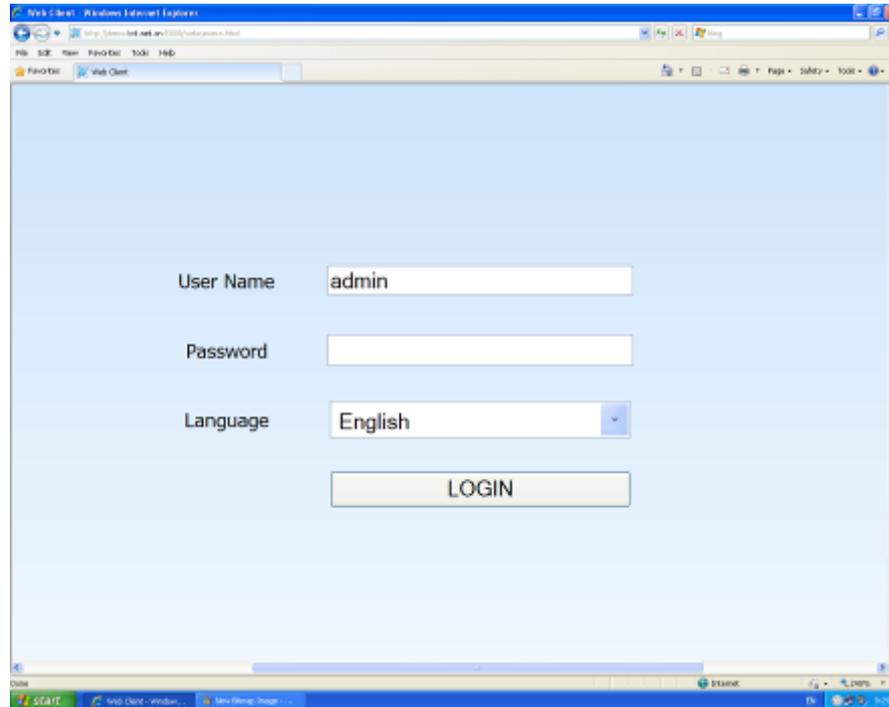


Fig 7.1-1 View with IE browser

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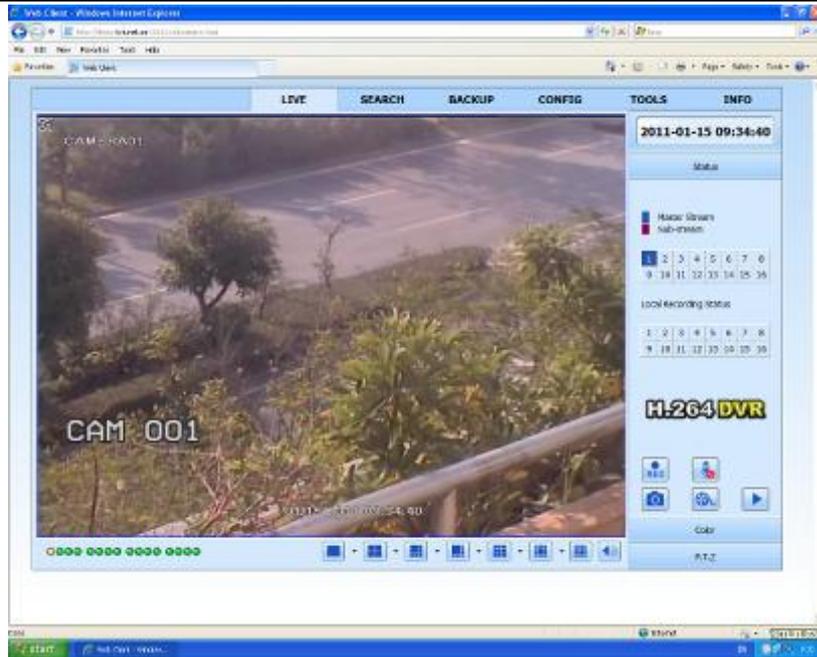


Fig 7.1-2 View with IE browser

👉 **Notice:** If HTTP port is not 80, other number instead, add new port number after IP address.

👉 For example, set HTTP port as 5000, input IP address like <http://merivasecurity.dyndns.org:5000>

The default username and password is admin and 123456.

1.1.3 On WAN

There are two ways that the DVR is connected to internet.

1. Connect the DVR to internet through a router or virtual server.

Step1: Input IP address, Subnet, Gateway. If using DHCP, please enable DHCP in both the DVR and router.

Step2: Enter Video to set network video parameters like resolution, frame rate etc.

Step3: Forward IP address and port number in Virtual Server setup of the router or virtual server. Close firewall.

 **Notice:** *Forwarding block may be different in different routers and server, please check your router manual.*

If users want to utilize dynamic domain name, need apply for a domain name in a DDNS server supported by the DVR or router. Then add to the DVR or router.

Now this unit only supports: www.dns2p.com , www.88IP.net , www.meibu.com ,

www.dyndns.com , and www.no-ip.com

About the router, please check in the router manual.

Step4: Open IE browser, input IP address, or dynamic domain name and enter. If HTTP port is not 80, add the port number after IP address or domain name.

Step5: IE will download ActiveX automatically. Then a window pops up and asks for user name and password.

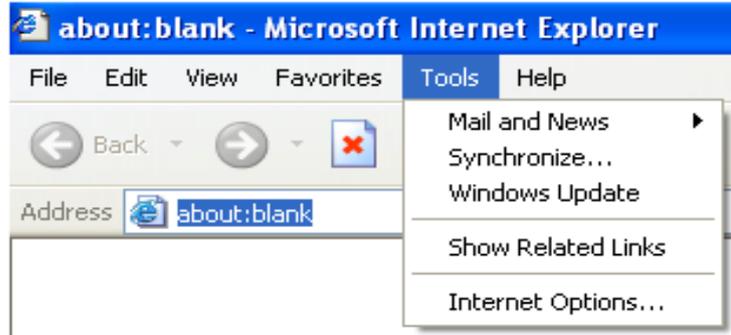
Step6: Input name and password correctly, and enter to view.

 **Notice:** *If you cannot download and install ActiveX, please refer to following.*

1.1.4 IF you Cannot download ActiveX control. (Appendix A FAQ Q7.)

a. IE browser blocks activeX. Please do setup following below.

① Open IE browser. Click Tools-----Internet Options....



② select Security-----Custom Level....Refer to Fig 7-1

③ Enable all the sub options under "ActiveX controls and plug-ins" refer to Fig 7-2

④ Then click ok to finish setup.

b. Other plug-ins or anti-virus block activeX. Please uninstall or close them.

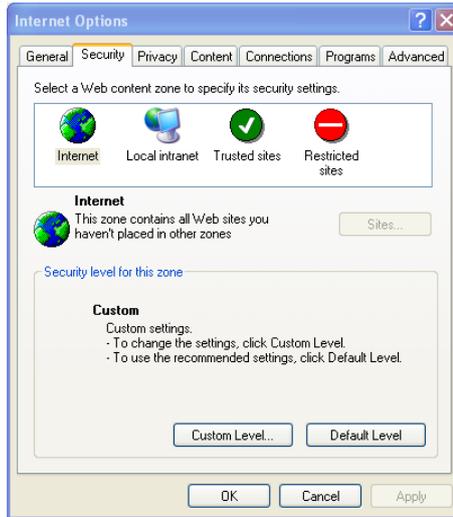


Fig7-1

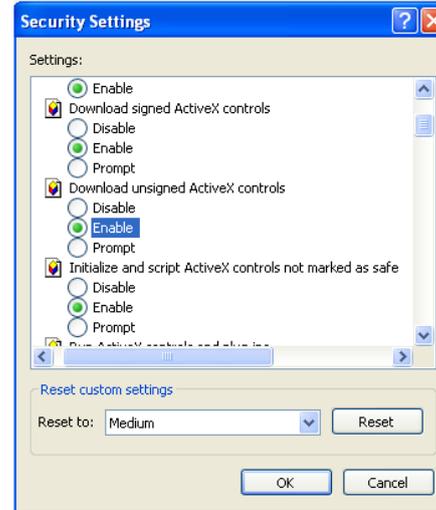


Fig7-2

2. Connect the DVR to internet directly.

Step1: Input IP address, Subnet, Gateway gotten from your ISP. If using ADSL, please input user name and password, and click OK. The DVR will connect the server and show “connection succeeds”.

Step2: The following steps are the same as STEP4-7 of the connection way above.

1.1.5 The remote live preview interface as below:



Fig 7-2 Remote live preview interface

Symbol and function Definitions:

①	Channel indicator	②	Screen display mode	③	Volume
④	Snapping picture	⑤	Start record	⑥	Playback
⑦	Master/sub stream status	⑧	Color adjustment	⑨	PTZ control

Note: click  button to record manual and the record file will be saved in user's PC.

Screen display mode:

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



<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 01	<input checked="" type="checkbox"/> 02	<input checked="" type="checkbox"/> 03	<input checked="" type="checkbox"/> 04
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 05	<input checked="" type="checkbox"/> 06	<input checked="" type="checkbox"/> 07	<input checked="" type="checkbox"/> 08
<input type="checkbox"/>	<input type="checkbox"/> 09	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input type="checkbox"/> 12
<input type="checkbox"/>	<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15	<input type="checkbox"/> 16

OK Cancel

Fig 7-3 Channel select dialog

Take 8-channel DVR for example: user can tick off channels form 1-ch to 16-ch at random to display the live pictures, 8 channels can be selected at most. Then click OK button to confirm the setting.

Snap pictures

1. Click "Snap"  icon, select the picture number, and refer to Fig 7-4:



Fig 7-4 Single snap

2. User can multiple pictures , select the picture number from Frame pull down list box, such as 3, tick off “Title” and “Time”, it will show capture title and time on the snap pictures simultaneously. Refer to Fig 6-5:

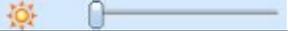
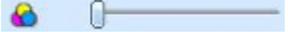
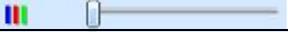


Fig 7-5 Multi-picture snap

3. Click “Browse” to set saving path; Click “Save” to save pictures to HDD on the computer; click Exit button to exit current interface.

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 channel
	Drag the scroll bar to adjust the contrast of channel
	Drag the scroll bar to adjust the saturation of channel
	Drag the scroll bar to adjust the hue of 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 via RS485 firstly, make sure the protocol of the speed dome is supported by the device and set the relative parameters manually. User can control the dome up, down, right, left or stop rotating on Control Center, adjust rotation speed, Iris and zoom, focus on the dome, and set the presets, etc.

Buttons definition:

Buttons	Description
	▲ means the dome rotate up. ▼ means the dome rotate up left. ◀ means the dome rotate up right ▼ means the dome rotate down. ▲ means the dome rotate left down. ▶ means the dome rotate right

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	down.  means the dome rotate left.  means the dome rotate right.  means the dome stop rotating.
	Drag the scroll bar to adjust rotating speed of the dome.
	'Iris' button. Click  button near 'Iris' button to increase light of the dome. Click  button near 'Iris' button to decrease light of the dome.
	'Zoom' button. Click  button near 'Zoom' button to zoom in the locale picture of this camera. Click  button near 'Zoom' button to zoom out the locale picture of this camera.
	'Focus' button. Click  button near 'Focus' button to have long focus. Click  button near 'Focus' button to have short focus.
	Go to the Preset
	Select and do auto cruise
	Track
	Auto scan

Click the right mouse on the live interface, a pull-down menu will appear as below



Fig 7-6 right key sub menu

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

All to master/sub stream: set all channel to master stream or sub stream.

Enable audio: enable or disenable audio

Full stream: the live preview picture will display with full screen, the tool bar will be hided; double click left mouse or click right mouse to return

1.1.6 Remote playback & backup

1.1.7 Remote playback

Click  button to enter into record playback interface, refer to Fig 7-7:

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

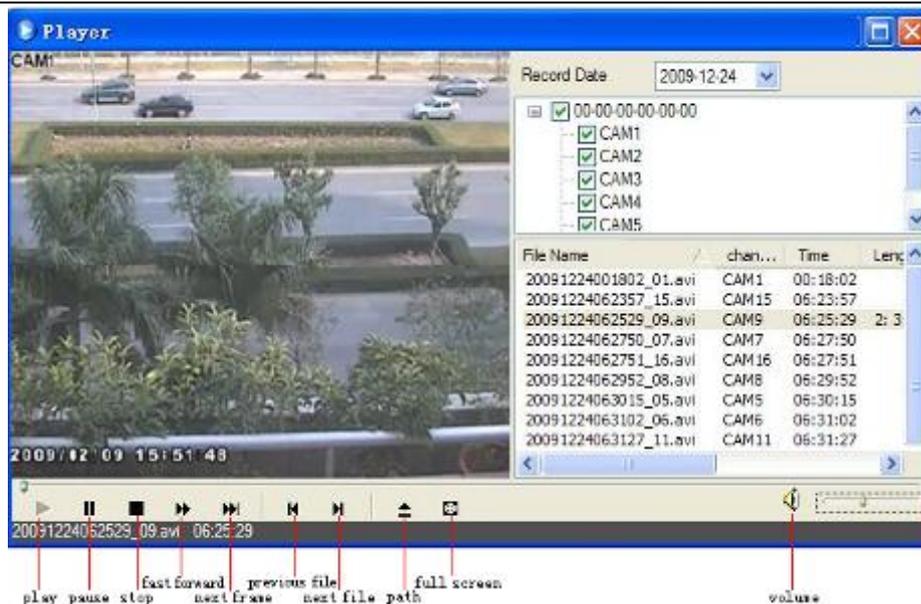


Fig 7-7 Play record file interface

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

By Time Search:

Step1: Enter into Search→time search; refer to Fig 7-8:

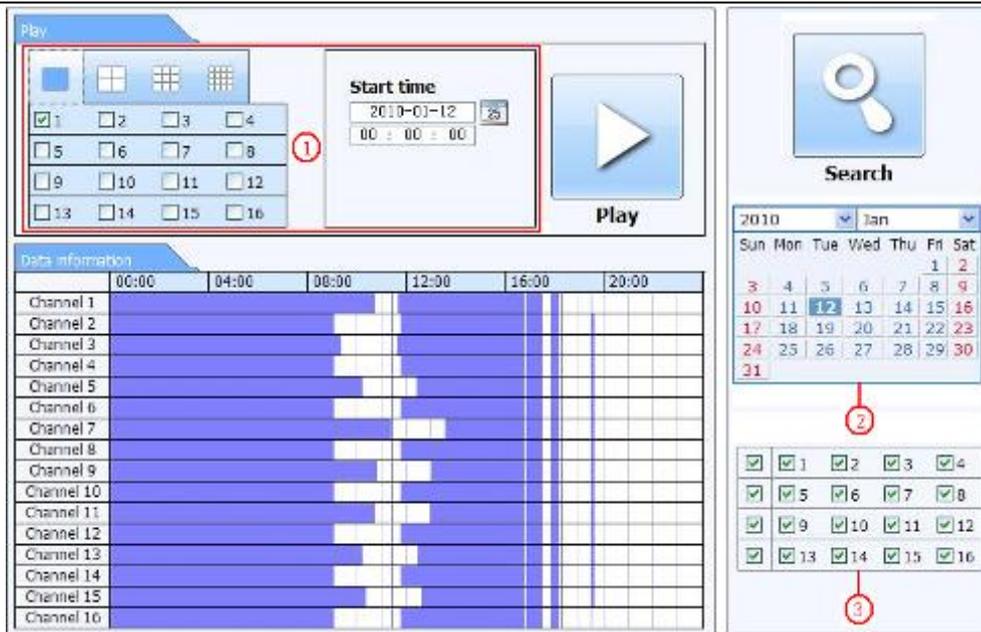


Fig 7-8 time search interface

Step2: click “Search” button. The record data will be displayed in the data information list box; the highlight date in the area② means have record data, click those data; select the record channels in area③

Step3: User can set the data playing time and display mode in the area①as required

Step4: Select certain item from the data information list box, click “play” button to playback

Step5: Click the relevant buttons in the interface; user can do some operations such as: FF, pause, change channel mode, research, etc. refer to Fig 7-9:

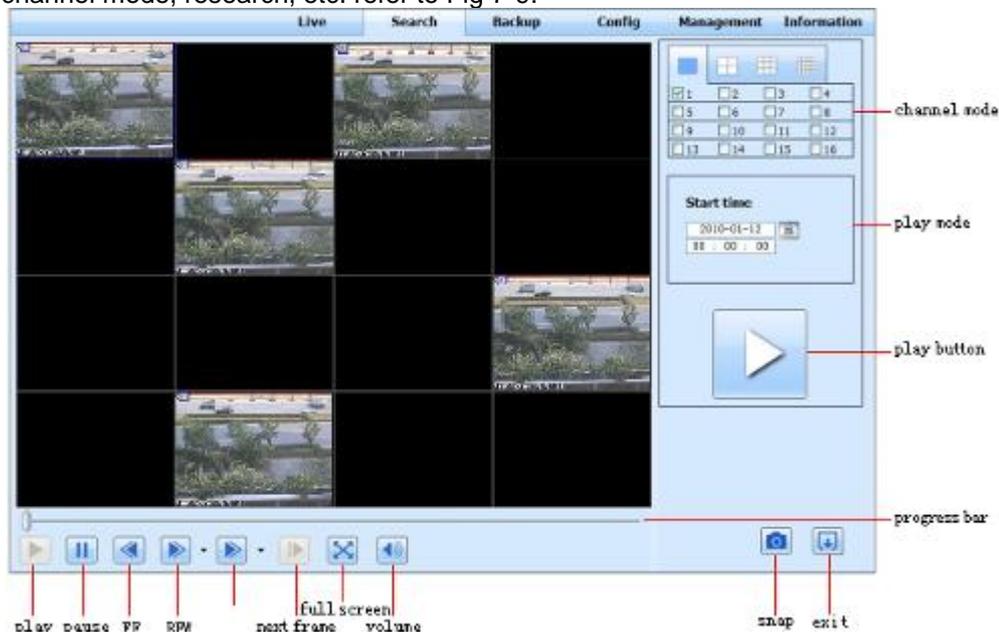


Fig 7-9 Time search playback

By Event Search:

Step1: Enter into Search→event search; refer to Fig 7-10:

The screenshot displays the event search interface. On the left is an 'Event list' table with columns for 'Ch', 'Start time', 'End time', and 'Type'. The table contains 20 rows of event data. On the right is a search panel featuring a magnifying glass icon, a 'Search' button, a calendar for January 2010 with the 12th highlighted, and a grid of checkboxes for selecting event channels (1-16) and types (Motion, Sensor).

Ch	Start time	End time	Type
1	2010-01-09 00:01:07	2010-01-09 00:02:16	motion
1	2010-01-09 00:03:20	2010-01-09 01:24:11	manual
1	2010-01-09 00:06:36	2010-01-09 00:09:31	motion
1	2010-01-09 00:10:10	2010-01-09 00:10:58	motion
1	2010-01-09 00:11:30	2010-01-09 00:12:15	motion
1	2010-01-09 00:14:48	2010-01-09 00:15:43	motion
1	2010-01-09 00:15:45	2010-01-09 00:17:09	motion
1	2010-01-09 01:24:11	2010-01-09 02:46:11	manual
1	2010-01-09 02:46:11	2010-01-09 03:19:45	manual
1	2010-01-09 17:30:52	2010-01-09 17:57:12	manual
2	2010-01-09 00:01:07	2010-01-09 00:01:53	motion
2	2010-01-09 00:02:18	2010-01-09 00:03:01	motion
2	2010-01-09 00:03:01	2010-01-09 00:04:12	motion
2	2010-01-09 00:03:32	2010-01-09 00:04:27	manual
2	2010-01-09 00:14:22	2010-01-09 00:15:03	motion
2	2010-01-09 00:21:34	2010-01-09 00:22:35	motion
2	2010-01-09 00:23:51	2010-01-09 00:24:33	motion
2	2010-01-09 00:25:12	2010-01-09 00:25:54	motion
2	2010-01-09 00:26:57	2010-01-09 00:28:43	motion
2	2010-01-09 00:31:48	2010-01-09 00:32:30	motion

1/31

2010 Jan

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

1 2 3 4
 5 6 7 8
 9 10 11 12
 13 14 15 16

Motion
 Sensor

Fig 7-10 event search interface

Step2: click the highlight date and select record channels and then tick off the event type: motion and sensor, click “search” button

Step3: the events will be display in the event list box, double-click certain item to playback

File Management

Step1: Enter into Search→file management; refer to Fig 7-11:

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Check	Channel	Start time	End time	Status
<input type="checkbox"/>	1	2010-01-09 00:01:07	2010-01-09 00:02:16	motion
<input type="checkbox"/>	1	2010-01-09 00:03:28	2010-01-09 01:24:11	manual
<input type="checkbox"/>	1	2010-01-09 00:08:36	2010-01-09 00:09:31	motion
<input type="checkbox"/>	1	2010-01-09 00:10:10	2010-01-09 00:10:58	motion
<input type="checkbox"/>	1	2010-01-09 00:11:30	2010-01-09 00:12:15	motion
<input type="checkbox"/>	1	2010-01-09 00:14:48	2010-01-09 00:15:43	motion
<input checked="" type="checkbox"/>	1	2010-01-09 00:15:45	2010-01-09 00:17:09	motion
<input type="checkbox"/>	1	2010-01-09 01:24:11	2010-01-09 02:46:11	manual
<input type="checkbox"/>	1	2010-01-09 02:46:11	2010-01-09 03:19:45	manual
<input type="checkbox"/>	1	2010-01-09 17:39:52	2010-01-09 17:57:12	manual
<input type="checkbox"/>	2	2010-01-09 00:01:07	2010-01-09 00:01:53	motion
<input type="checkbox"/>	2	2010-01-09 00:02:18	2010-01-09 00:03:01	motion
<input type="checkbox"/>	2	2010-01-09 00:03:01	2010-01-09 00:04:12	motion
<input type="checkbox"/>	2	2010-01-09 00:03:32	2010-01-09 00:04:27	manual
<input type="checkbox"/>	2	2010-01-09 00:14:22	2010-01-09 00:15:03	motion
<input type="checkbox"/>	2	2010-01-09 00:21:54	2010-01-09 00:22:35	motion
<input type="checkbox"/>	2	2010-01-09 00:23:51	2010-01-09 00:24:33	motion
<input type="checkbox"/>	2	2010-01-09 00:25:12	2010-01-09 00:25:54	motion
<input type="checkbox"/>	2	2010-01-09 00:26:57	2010-01-09 00:28:43	motion
<input type="checkbox"/>	2	2010-01-09 00:31:48	2010-01-09 00:32:30	motion

0/0

2010 Jan

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

1
 2
 3
 4

5
 6
 7
 8

9
 10
 11
 12

13
 14
 15
 16

Fig 7-11 file management interface

Lock: select certain file item in the file list box, click “Lock” button to lock this file that ca not be deleted or overlaid

Unlock: select a locked file, click “unlock” button to unlock this file

Delete: select an unlock file, click “delete” button to delete this file from file list

1.1.8 Remote backup

Click Backup button to enter into backup interface, refers to Fig 7-12:

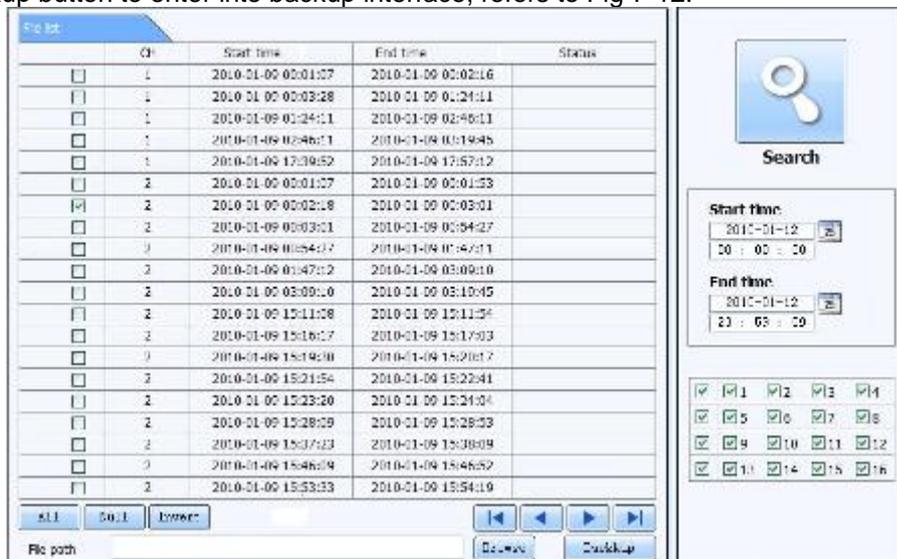


Fig 7-12 remote backup interface

Step1: select channels, set the start and end time, then click “search’ button, the file information will be displayed in the file list box

Step2: select backup files, click “browse” button to set the save path, and then click “backup” button to start backup. The backup files will be saved on user’s PC.

1.1.9 Remote System configuration

User can remote setup the parameters of the device. Functions of remote configurations include: basic configuration, live configuration, record configuration, schedule configuration, alarm configuration, network configuration, PTZ configuration and user configuration. User should firstly select an item in the menu list on the left, and then setup the relative parameters. When one user setup parameters of a certain item, others cannot setup this one. Click Config to enter into the below interface refer to Fig 7-13:

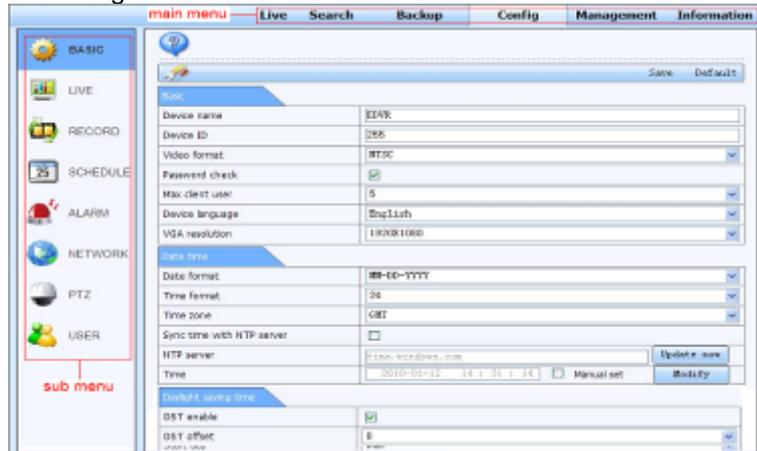


Fig 7-13 remote menu setup

The sub menu lists and the options in every item are similar with those on the DVR. Please refer to Chapter 3 Main Menu Setup Guide for more details.

Click “save” button to save above settings; click “default” button will recover the original settings.