
NVR Client system

USER'S GUIDE

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Introduction:

Thank you for purchasing NVR client system. This NVR client system can connect PC-DVR (DVR system), EM-DVR and DVS. Also, it can set them and search their recording data remotely. In addition ,it can see server's log (only for PC-DVR) from long-distance , supporting IE browser connect DVR client.

Please set the screen area as 1024*768 pixels before using this system.

Chapter1 Start up and Main interface

1.1 Start up



After correctly install NVR Client software, a shortcut icon will be showed windows desktop. Double click I: to run NVR Client, the main interface will appear as the follows (Figure1— 1):

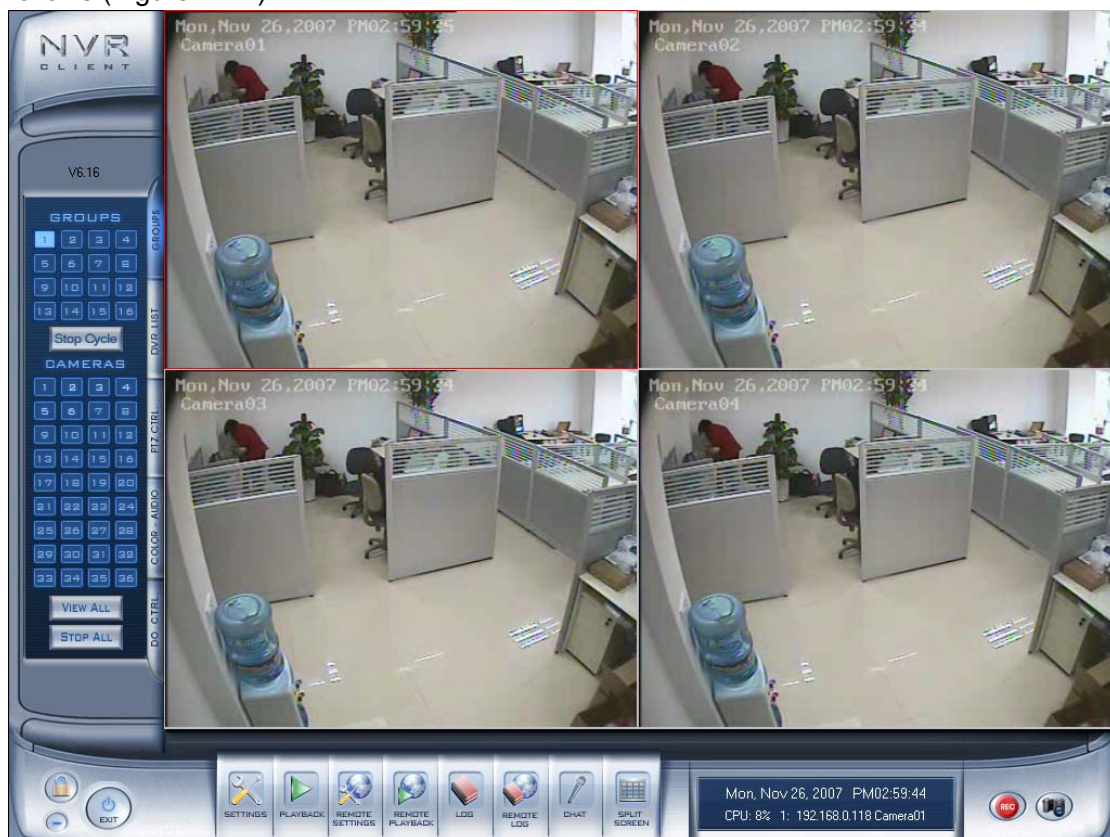


Figure1— 1

Note:


- 1.Show tips: When the mouse moves closely or stops over a button, the button function text tips show immediately.
- 2.Full screen mode: Clicking the right mouse button will change display mode to full screen mode, click again to turn back. At the most 36 pictures can be shown on the main window at the same time.

1.2 Main interface


The main interface is as(Figure1— 1).

1.2.1 Interface description


1. Partition mode

Press  button to set display mode. There are many types of the partition, including 1,4,9, 16,25,36 partition. Selecting the suitable partition according to your need.

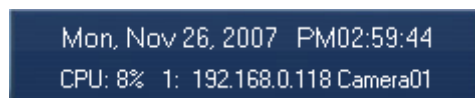
2. Image capture

Press  button to save a still image of a selected camera in live view that is selected by user onto hard disk, and then review and print the image.

3. Manual record switch

Press  button to record manually to any camera, after manual recording, must stop manually.

4. Information panel




Mon, Nov 26, 2007 PM02:59:44
CPU: 8% 1: 192.168.0.118 Camera01

Figure1— 2

Date, time and display window information panel Information (Figure1— 2): Show day of the week ,current date, current time, the percentage of CPU usage, the current selected window, and the current linkage in this window.

5. Local log



Press  button to view all actions of recording as well as operations (Figure1—3).

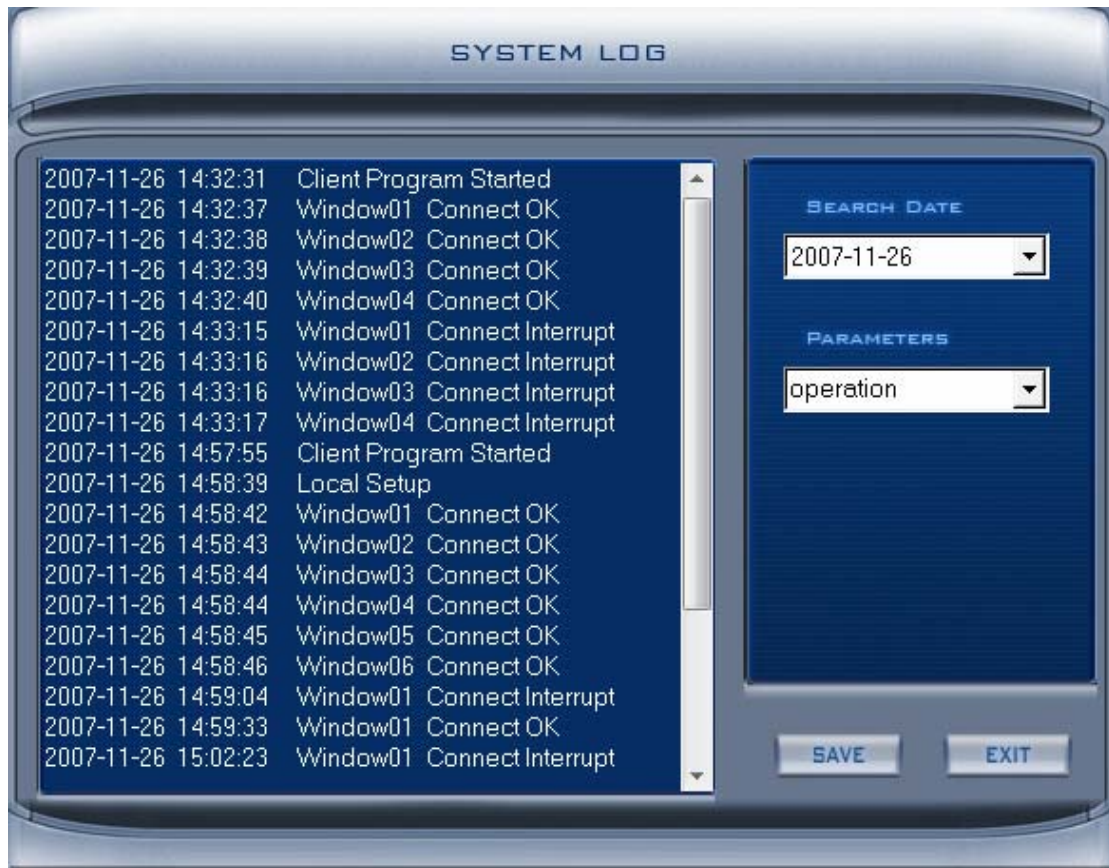



Figure1— 3

System log keeps a record of system events such as program startup and shutdown, changing camera setup and all Operator or System daily activities according to time and date. Users can look log by date and system parameters. System parameter includes operations, system prompts, alarms and other activities.

6. Remote log



Press  button to search log from a long distance server that you are being connected. It's good that no one is on duty in server end. You can see information of the server and you needn't get to the server site.

NOTE: Remote log is only available to PC-DVR.

7. Chat



Press **CHAT** button to make a voice chatting. Voice over IP, Initiates dialog to connect to a remote client or Server for purposes of live chat. Click it to have remote chat with the connected server. Sound card with mic input should be used. If there is no sound card on both sides, the chat will not be carried on.

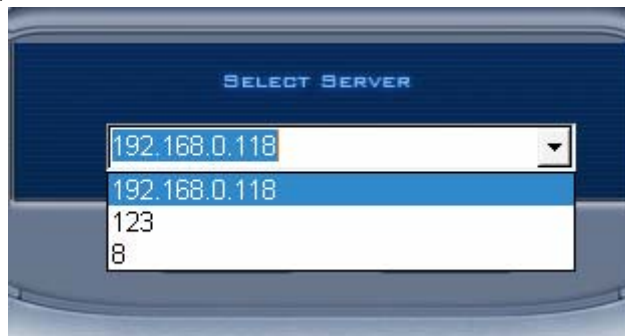


Figure1— 4

Select a server from dropdown list to make remote chat (Figure1— 4) . If connect successfully, there will have an icon tip to show it (Figure1— 5).



Figure1— 5

8. System lock



After you check “use password management” in [Right setup](#), press **System lock** button to lock system——Locks keyboard and mouse to prevent unauthorized user to operate NVR Client system. Left-Single-Click this button to acquire the operation rights by entering the user and password, default user ID is “admin”, no password.

9. Minimize button



Press **Minimize** button to minimize the main window (or press WIN + Z on keyboard).

10. Exit program



Press  button to exit program.


After clicking this button, a dialog (Figure1— 6) will display. Click “OK” to quit DVR system.



Figure1— 6


1.2.2 Local setup



Press  button to enter [Local setup](#) submenu. In this menu, you can set system and related parameters.


1.2.3 Local search



Press  button to enter [Local search](#) submenu. In this menu, you can playback and search for recorded video/audio from local host.

1.2.4 Remote setup



Press  button to enter [Remote setup](#) submenu. In this menu, you can set the server's parameters remotely.

1.2.5 Remote search



Press **REMOTE PLAYBACK** button to enter Remote search submenu. In this menu, you can playback and search for recorded video/audio remotely. The server-select window is as follow (Figure1— 7):



Figure1— 7

Select one server from dropdown list (the server in dropdown list is that have been registered in the client), click “OK” and enter the playback interface (Figure1— 8).

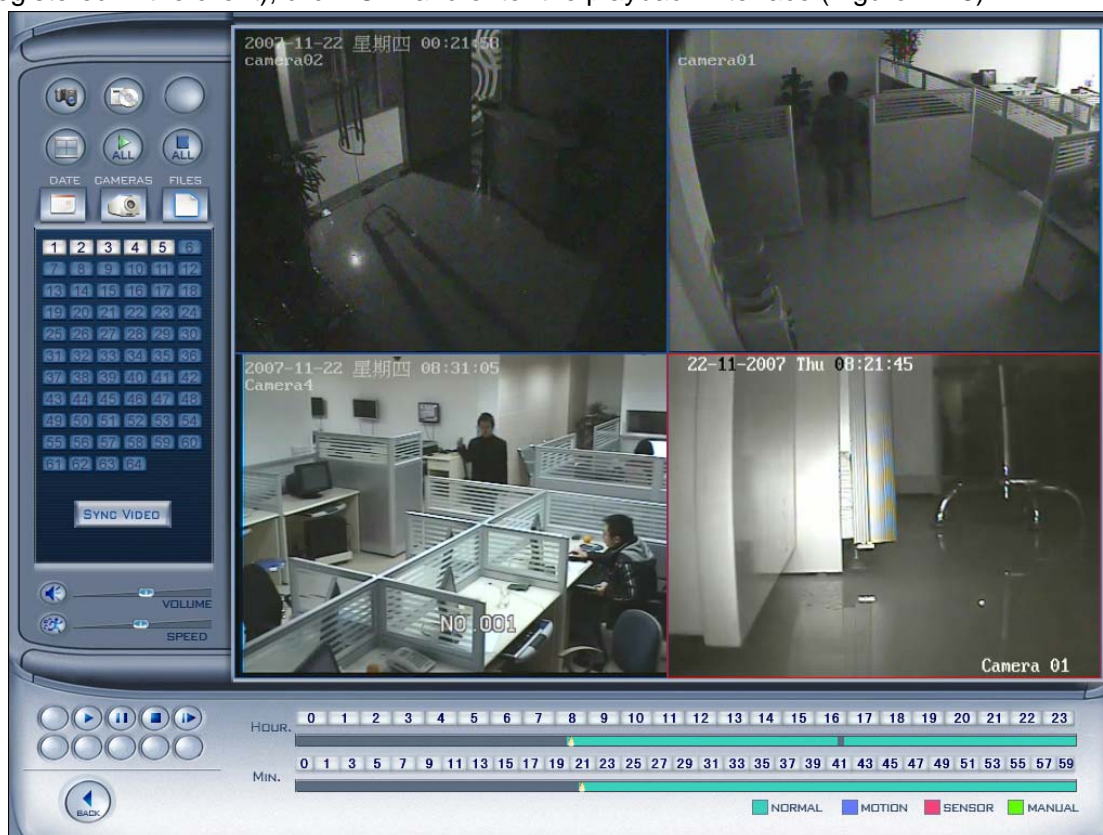
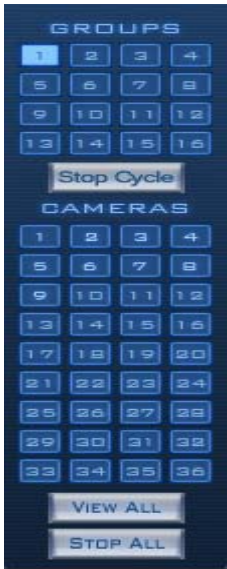



Figure1— 8


Remote search includes search for PC-DVR and EM-DVR. Remote search for PC-DVR is almost same with [Local search](#), only different feature is that remote playback

NOTE: Remote search only availability for PC-DVR and EM-DVR.DVS can't storage record data for itself, so remote search useless for it.

1.2.6 Connection group



Press  to enter connection group setup. On this panel, display the information of group and camera.

There are 18 preset groups and you can choose any one group to connect. There are 36 windows and you can also click  to connect all of them and click



to disconnect all. The shade of icon will show the status of window:




window 1 connects



window 10 disconnects.

1.2.7 Connection list



Press  button to show all the equipments you have added in this client (Figure1—9).

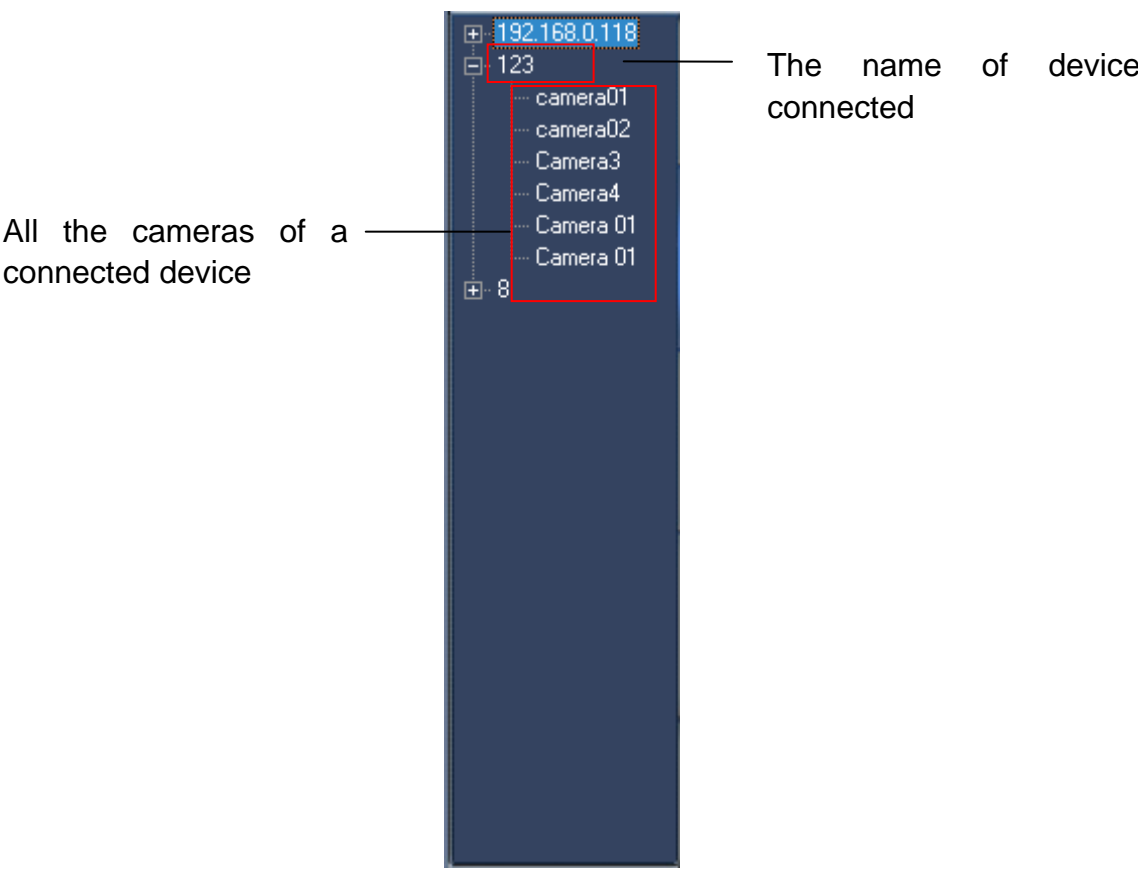


Figure1—9

Click one camera; it will be connected in selected window.

1.2.8 PTZ control panel





1. Relay (On/Off)

Control the PTZ cameras internal relay (relay1) or the decoder's relay (relay 1). Used to turn on a light or control an access gate.

2. Wiper (On/Off)

If using the PTZ cameras corresponding wiper control relay, this toggles the relay/wiper on and off.

Figure1— 9

3. Zoom + / Zoom –

Controls the zoom function of the PTZ camera.

4. Focus + / Focus –

Overrides the auto-focus setting of the PTZ camera, adjust focus the image.

5. Iris + / Iris –


Overrides the PTZ cameras auto-iris and brighten or darken the image.

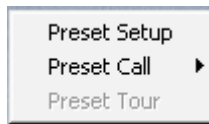


Pressing this button initiates the connected PTZ camera to do an automatic tour of 360 ° .

By pressing and holding these buttons, the PTZ camera is moved up, down, right and left as well as other directions.

6. Preset Call

Press  button to operate the speed dome, including Preset Setup, Preset Call and Preset Tour:



(1) Preset Setup

In this screen you can set the preset position:

123 Camera4

PTZ Speed

Add/Del. Preset

Preset Name

Preset No.

Call Mode

Preset Name	NO.
company01	1
company02	2

No PTZ action sec back

Home Position

Tour Preset

Preset Name

Stay Time sec

Preset Name	NO.	Time
-------------	-----	------

PTZ speed setup

Press and drag the slider bar to adjust the speed of PTZ.

Add/Delete preset


In this section you can set the preset name with its sequence number, then you can press button to add/delete a preset, when you want to modify the preset you can press button to confirm your modification. For different cameras, they have different commands to open and set, so you can choose the call mode in the drop-list for different cameras.

Home position

You can set a home position for the PTZ. When there have no PTZ actions after the

setting time system will call the PTZ to the home position.

Tour preset

In this section you can set the tour schedule. First you can choose a group, and then set the track for this schedule; you can press  button to add/delete a preset to it. After you choose the preset name you can set the time to keep on.

(2) Preset call

When you select this function, system will show all the preset names you set in Preset Setup menu; you can click one to move to it.

(3) Preset Tour

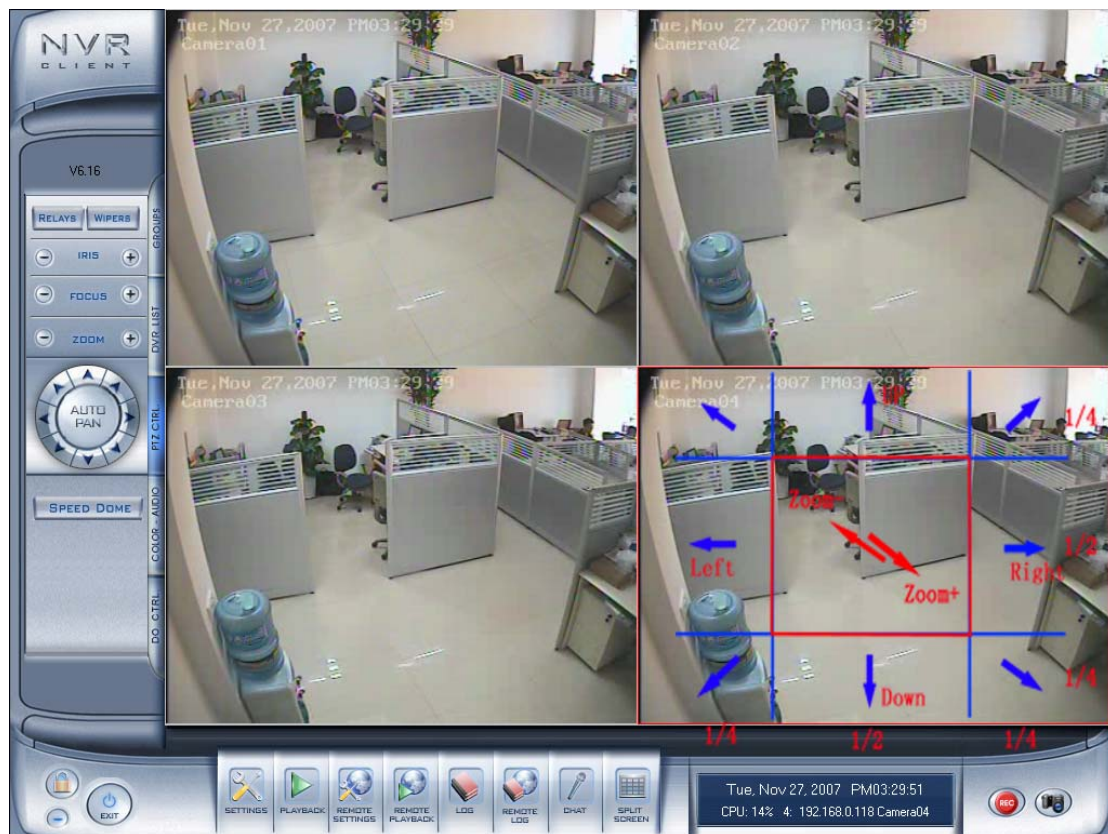
When you select this function, system will show the entire tour groups you set in Preset Setup menu; you can click one to execute it.

Note: In the NVR system, clicking the tour groups again can not stop the preset tour,(this is different from DVR server.)By moving the PTZ camera up,down,left,right or clicking the “preset call” can let the tour stop.

7. Control PTZ via video window


NOTE : On the image of main screen, you can control PTZ.

On the Image 3,each rectangle area is the effective area of every action. Arrow denotes the direction of the action. Pressing and dragging the mouse to the corresponding area can control the PTZ.





1.2.9 Color/Audio adjustment




Press  button to enter Color/Audio Adjust Panel — Slider


adjustments for the video image and recording volume of the selected tile. This also affects the live view of the video images

Press the first button and drag to adjust the brightness of the image that you selected, and you can resume its default value by pressing .

Press the second button and drag it to adjust the contrast of the image that you selected and you can resume its default value by pressing .

Press the third button and drag it to adjust the hue of the image that you selected, and you can resume its default value by pressing .

Press the fourth button and drag it to adjust the saturation of the image that you selected, and you can

resume its default value by pressing .

Press the fifth button to switch sound of the audio that related to the image you selected and drag the slider bar to adjust the volume.

Chapter2 Local setup

2.1 System setup



Click **SETTINGS** button to enter this window (Figure2— 1):

//SYSTEM SETUP

Save Record Mode	Auto	Save Begin Disk	D:\
Beep While Alarm	Disable	Web Listen Port	80
Alarm Connect Server	Disable	Use Matrix Card	Disable Setup
Alarm Send Port	5300	Bandwidth Auto Adjust	Disable
Alarm Write Log	Disable	Software Start Auto Connect	Disable
		Auto Reconnect Time Interval	Disable

//SERVER CONNECTION

IP Alias	IP Address	Disp. Port	Device Type	Cameras	Use DNS?
192.168.0.118	192.168.0.118	5100	PC DVR	42	no
123	192.168.0.102	5100	PC DVR	6	no
8	192.168.0.8	8000	Video Server	1	no

Buttons: Add, Modify, DELETE, Get Camera

Navigation Bar: SERVERS, GROUPS, RECORDING, USERS, Export, Import, SAVE, EXIT

Figure2— 1

【Import】

Select this function to export system configurations.

【Export】:

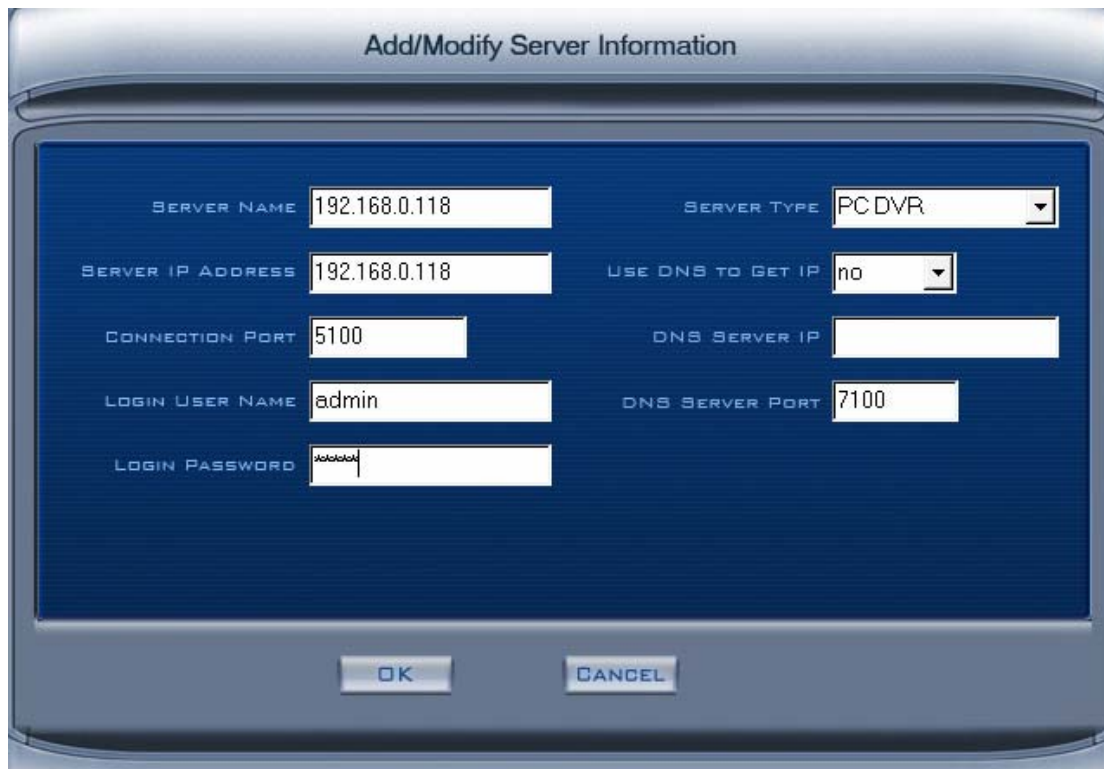
Select this function to import system configurations.

2.1.2 Add / Modify server

Figure2— 2

【Add connect server】 Press  button to add a new server in this system

When user adds a new server, if there are some problems, e.g.: network problem or not run this Server, user will add this server failure.



The dialog box titled "Add/Modify Server Information" contains the following fields and controls:

Field	Value	Field	Value
SERVER NAME	192.168.0.118	SERVER TYPE	PC DVR
SERVER IP ADDRESS	192.168.0.118	USE DNS TO GET IP	no
CONNECTION PORT	5100	DNS SERVER IP	
LOGIN USER NAME	admin	DNS SERVER PORT	7100
LOGIN PASSWORD	XXXXXXXXXX		

At the bottom of the dialog box are two buttons: **OK** and **CANCEL**.

Figure2— 3

【Server Name】 Input a name that is easy to identify.

【Device Type】 Select device type you will add. This client system can connect PC-DVR (DVR Server system), DVS and EM-DVR.

【IP Address】 Set IP address of server host.


【Connect Port】 Set the port through which connects to DVR Server.

【Login user ID/Login Pass】 When the client want to visit server and the server has used the function of rights management, login user ID and password will be checked. If the user has no right to visit that camera, the connect will be cut down automatically. If the function is not used, the id and password will not be checked.


【If use DNS to get IP】 Select whether use DNS to get IP or not, if the server end is the dynamic IP address, users need use DNS to get the server's IP.

【DNS Server IP】 Set IP address of DNS server host.

【DNS Server Port】 DNS server host's port, which is provide to connect DNS software.


【Modify server】 Press  button to modify server information, its interface is same as Add Connected Server.

【Delete connected server】 Press  button to delete connected server.

【Get camera information】 Press  button to get the latest camera information of Server end when it changes its setups such as number of channel, camera name etc.

Note: When you finish every setup you should save your change by pressing save button before you exit setup.

2.2 Group setup

Click  button to enter the following window (Figure2— 4):



Window	IP Address Alias	Camera	Frame Rate	Record Mode
Window1	192.168.0.118	1	Auto	By Plan Record
Window2	192.168.0.118	2	Auto	By Plan Record
Window3	192.168.0.118	3	Auto	By Plan Record
Window4	192.168.0.118	4	Auto	By Plan Record
Window5	192.168.0.118	5	Auto	By Plan Record
Window6	123	1	Auto	By Plan Record
Window7	123	2	Auto	By Plan Record
Window8	123	3	Auto	By Plan Record
Window9	123	4	Auto	By Plan Record
Window10	none		Auto	By Plan Record
Window11	none		Auto	By Plan Record
Window12	none		Auto	By Plan Record
Window13	none		Auto	By Plan Record
Window14	none		Auto	By Plan Record
Window15	none		Auto	By Plan Record
Window16	none		Auto	By Plan Record

Select Setup Group: Connect Group 01 Partition Mode: 16 View

Figure2— 4

Choose a group from drop-list behind “Select Setup Group” first. There are 16 groups. In every group, you can set 36 connections. Also, you can select the partition for every group from the drop-list behind “Partition Mode”. Then you can set group as follows:

【IP Address Alias】 Select the server in which the camera will be selected to show. If it has no servers in the drop-list, you need to add server in the “Server IP” page (Figure2— 1).

【Camera】 Select the camera of the server set in 【IP Address Alias】 to be

connected. In one window, you can set one or more camera's connection
(

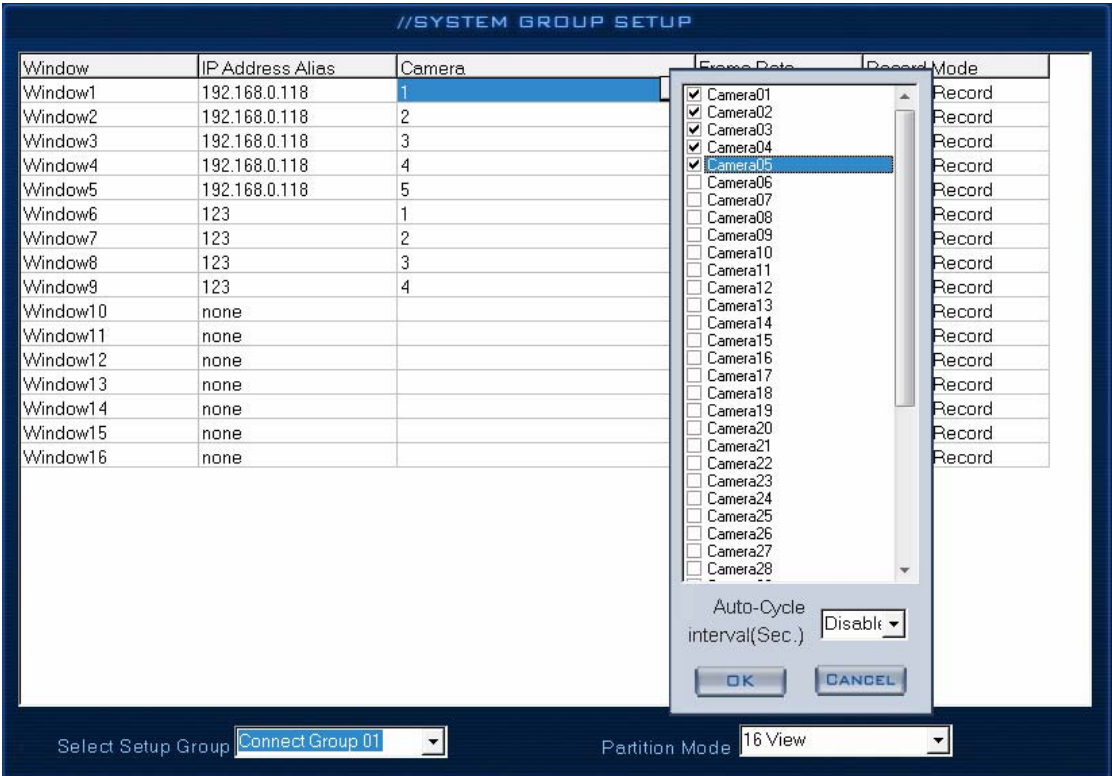


Figure2— 5), if more than one camera show in one window, you can set cycle interval time. You can switch them by pressing button **Stop Cycle** and **Restore** in Main interface.

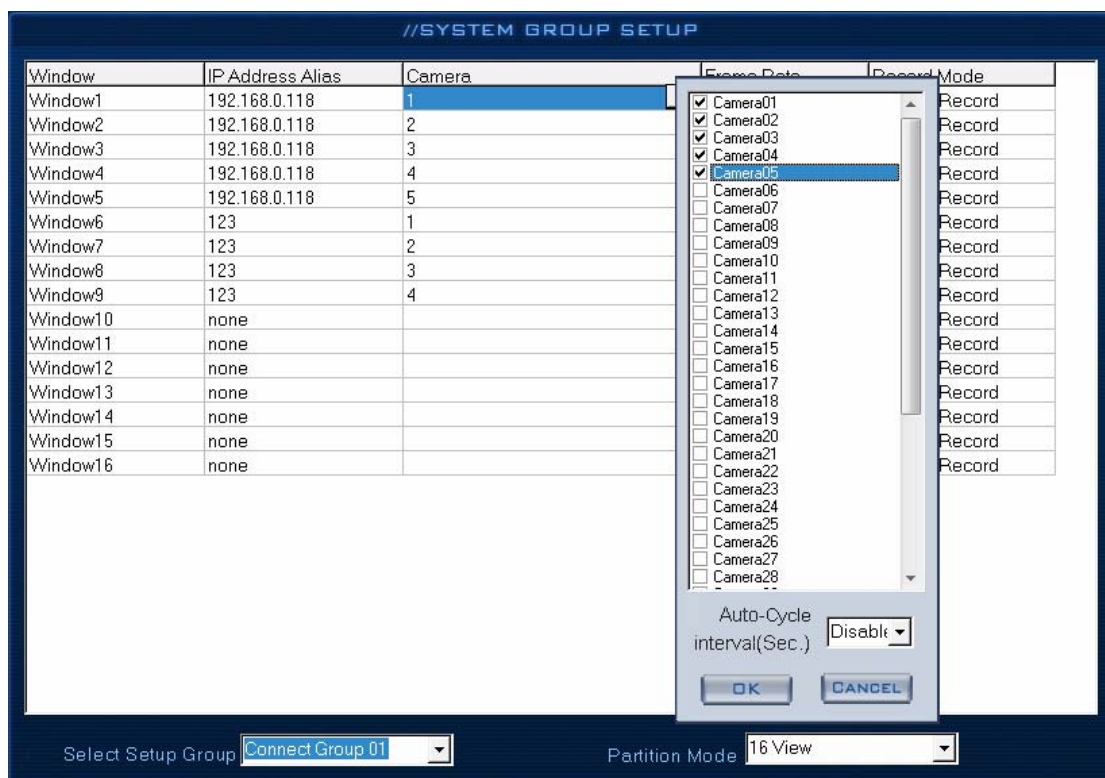



Figure2— 5

【Frame Rate】 There are three selections: Realtime, Auto and 1fps.

Realtime: If it's selected, server will send all compacted information to client. When the client gets this information, it will play it. The continuity is good in this way but it consumes too much CPU space. If there is no information losing when compacting and sending, the playing will be real-time.

Auto: Its difference from Realtime is that when the client gets the information, he will cut some information and then play it. It consumes less CPU space. But if you click any camera, system will adjust frame rate to Realtime automatically.

1fps: It means to break down the information in server. Only one frame of important information is sent to the client every second. It consumes little CPU space and network. And if you click any camera, system will adjust frame rate to Realtime automatically when there is enough network space. (NOTE: This selection is only effective on PC-DVR).

【Record Mode】 There are two options: Record all along and Record by plan. When users select "Record all along", the  button has no effects. Record by plan will be detailed in [Record setup](#).

2.3 Record setup

Click  to enter the record setup interface (Figure2— 6):

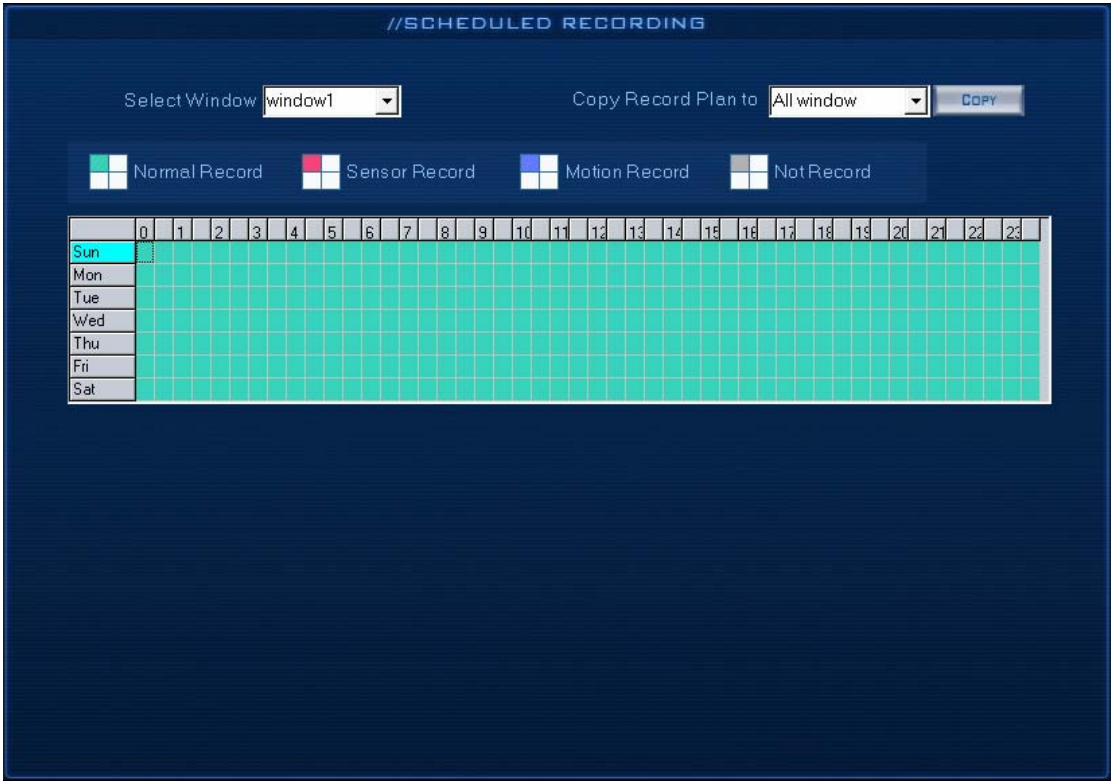


Figure2— 6

【 Select Window 】 Select the window you want to set.

【 Record type 】 Set the type of record, including Normal record, Sensor record, Motion record and Not record. You can set record type as follows:

Firstly, press the type button that you want to set; then select the record time by press the grid (delegate half an hour in a day) or left-click mouse and drag for an area. If you want to set same record status every half hour every day, you may double-click the left up of the chart.

When you finished the setup, the grid will display the corresponding color of the record type.

Green: Normal Record.


Red: Sensor Record.

Blue: Motion Record.

Gray: Not Record.

【 Copy record plan to 】 Copy one setup to any other windows or all windows.

2.4 Right setup

Click  button to set user right (Figure2— 7):

The screenshot displays the NVR Client configuration window, divided into two main sections: //USERS SETUP and //RIGHTS SETUP.

//USERS SETUP

- Select User ID:** A dropdown menu with 'admin' selected.
- User ID:** A text input field containing 'admin'.
- Auth.Level:** A dropdown menu with 'Manager' selected.
- Use Password Management:** A dropdown menu with 'Enable' selected.
- Password:** A text input field with masked characters (dots).
- Confirm Password:** A text input field with masked characters (dots).

//RIGHTS SETUP



A grid of checkboxes for various permissions, all of which are checked:

- Local Setup
- Local Playback
- View Local Log
- Local Manual Record
- Color Adjust
- View Remote Log
- Remote Setup
- Remote Playback
- Program Minimize
- Exit Program

At the bottom of the window, there are two buttons: **ADD USER** and **DEL USER**.

Figure2— 7

2.4.1 User setup

【Add User/Del User】 Click   icons to add /delete user for the Client, after that you can edit the information for the user to be added.

【Select User ID】 Select a user that has existed in the system to be modified from drop-down list.

【Use Password management】 select a solution to determine if enable user password validation. When you select enable, when user login, password is needed.

【User ID】 Input new User ID in this box when add a new user to system. When you select admin in **【Select User ID】** this selection is unavailable.

【Password】 Set new user and selected user's password.

【Auth. Level】 Select user type. When you select admin in **【Select User ID】** this selection is unavailable.

【Confirm password】 Confirm password again.

2.4.2 Right setup

You can set user management in this window after you input user name and

password and you will have corresponding rights with your name.
Choose a user and distribute corresponding right (Figure2— 8).



Figure2— 8

After your set, you should click the button  to save the information.

Chapter3 Local search

3.1 Main interface



Click **PLAYBACK** button in main window to enter local search window (Figure3— 1).



Figure3— 1

3.2 Partition mode




Press **Partition mode** button to select partition mode, there are 1 , 4 , 9 and 16 partition mode. In the server end user can only connect 16 channels simultaneously, when the connected channels exceed the limit, system will popup information to indicate it.

3.3 Select playback channel

3.3.1 Select date



Select one window (the 1st one in default), and then click  button to show the date (Figure3— 2).

The blue dates contain recorded data. The green date is the current date. The gray dates signify no data. Only those blue ones can be selected and when they are selected the camera window will appear automatically to show which cameras has record data.



Click  or  to change month and year of search data.




Figure3— 2

Figure3— 3


Figure3— 4

3.3.2 Select camera

After selecting date system will show the camera state of corresponding day, or click  button directly to show the cameras state of current day (Figure3— 3). The number button with navy blue means this channel has record data. By pressing it directly on the numerical panel (Figure3— 3), DVR system will play back recorded data from the first file.

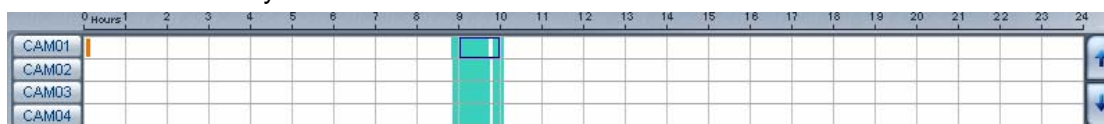
3.3.3 Select file





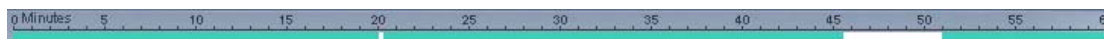
After selecting the camera to play user can click  button to show all the files of this camera (Figure3— 4).

In default, system will play back video file from the first one. In this screen you can change the file you want to play by clicking it directly.

The camera list below the window will show the recorded data of the day you select. Double clicking one hour of that day ,system will play back data from the beginning of the hour via the window you select.



Press  or  button to see the recorded data of other cameras ,



Click any minute of that hour , immediately, the system will turn to play back that time via the window you select.

The red bar of the minutes list and hour list means the exact time which system is playing back now.

Tips: Right click the picture to perform digital zoom function.

Different color will show information of all cameras. You can see all kinds of record, their time and length according to recorded data.

3.4 Play file and related operations



Click this button to synchronize all playback channels time.



Previous frame,Reverse play ,Pause, Stop and Next frame



First frame of that day, Previous minute, Next minute and Last frame of that day.



Image zooms out: Press this button, single click the left mouse button on an image, quarter of the image will be enlarge. By thereafter, single click right mouse button on the image, it will resume the normal.



Adjust the voice; click the button to clear the voice.



Adjust playing speed; click the button to resume normal playing speed.

Note:

1.It is not suggested that multi-channel (more than 10 channels) record and playback coinstantaneous unless your PC has a wonderful configuration, because the data throughput of HDD is huge. Multi-channel search in client and server are the same except their paths. In client, there are local and LAN search. In LAN search, it searches among the record data in the local network of server.

3.5 Capture pictures



Click capture button to capture a display picture. When one is captured, there will display a dialog interface and you can change the file name. After you press confirmation, system will save the picture in default path: System volume\Grab\search.

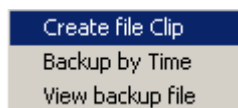
***Note:** the size of the image is that of the playing window.

3.6 Create clip file



Click button , there are follow three items to select.

3.6.1 Create file clip



Press to create file clip (Figure3— 5).



Figure3— 5

1. Select channel and path

Select channel and path of the backup file on the top of interface (Figure3— 5).

2. File list and attribute

Select a file and double-click it (Figure3— 6) to play and its attribute will display below the list (Figure3— 7), including begin time, end time, file size, resolution, frame rate etc.

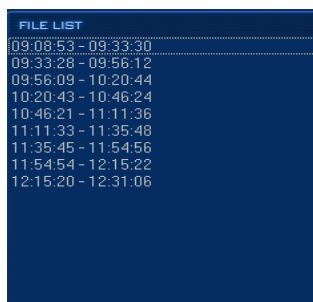


Figure3— 6



Figure3— 7

3. Play file and related operations

(1) Play control

Press and drag slider on



button to

control the player time.

(2) Beginning and stop time setup



Press to set the beginning time and end time of the file, the file attribute on the left will show the size of the file.

(3) Save file



Press to ensure the beginning and end of the file, click it to save the file.

(4) Voice control



Click to control voice, press it to clear voice.

3.6.2 Backup by Time



Press to backup by time (Figure3— 8)

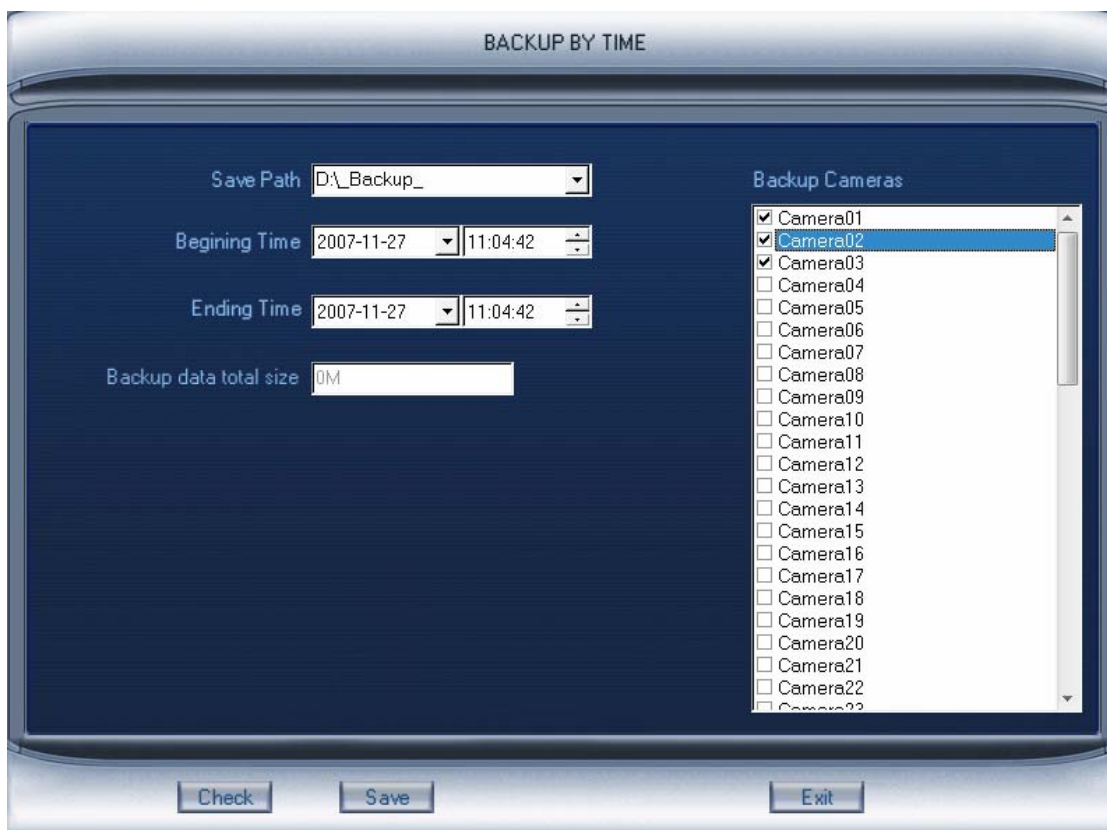


Figure3— 8

1. Save Path

Select path for the backup file, User can backup record file to CD.

2. Backup Camera

Select the backup camera. User can select more than one camera once,

3. Select begin /end time

Select the backup files' begin time and end time.
united file.

4. Backup File Max Value

Set maximum value of the united file. If the file's value bigger than this value, it will be

spitted. You can check the file's value use button  to show its value.

5. Backup Data Size

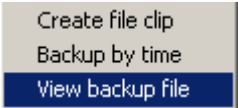
Show the size of the backup file. If user backups record file to CD directly, the data size should not more than 650M.

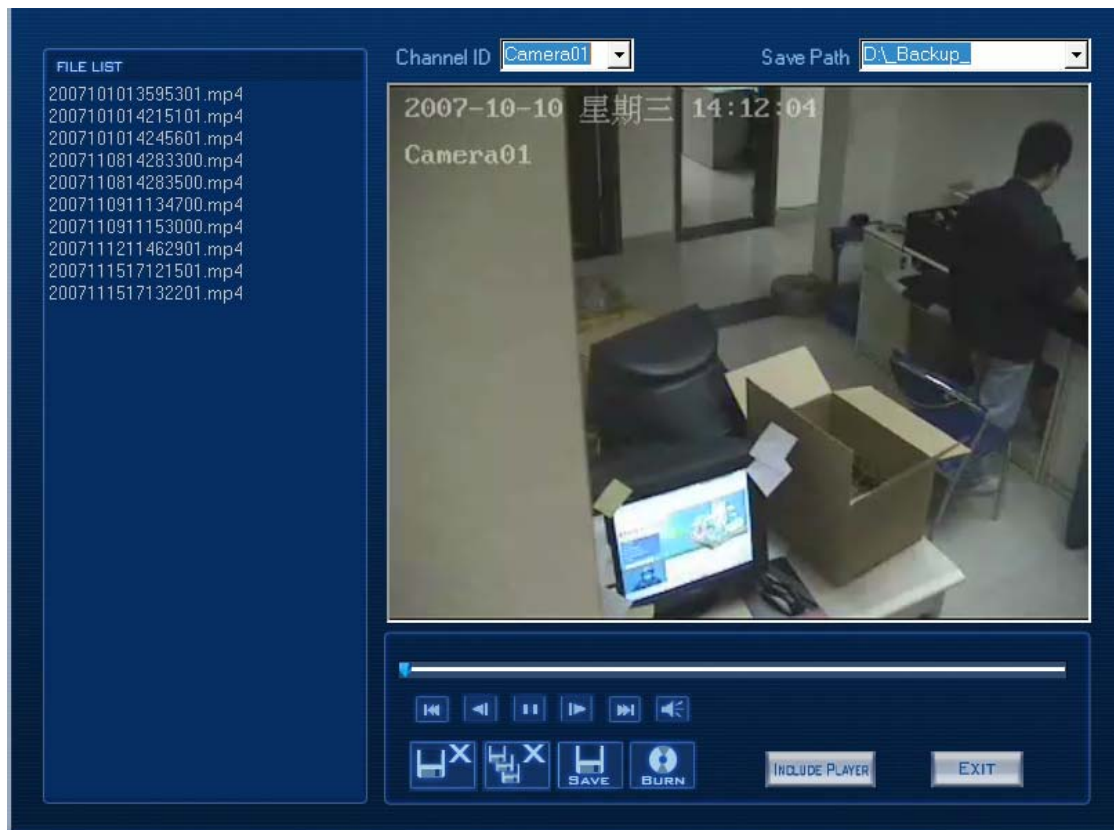
NOTE: If user backup record files to CD directly, the system disk volume's(C volume in general) free space should not less than twice of the backup data size. Because system volume will be used buffer area when burn CD. For example, if the backup data size is 450M,so, the system volume's free space should more than 900M.

The process of burning CD :

- 1) Select CD-ROM as the backup path, and select the camera and time;
- 2) Check the backup file value;
- 3) Backup the file to the temporary file in the last volume if there have enough free space, otherwise, write backup file to the last second volume;
- 4) Write back up file to buffer.
- 5) Write CD.
- 6) Delete buffer and temporary file.

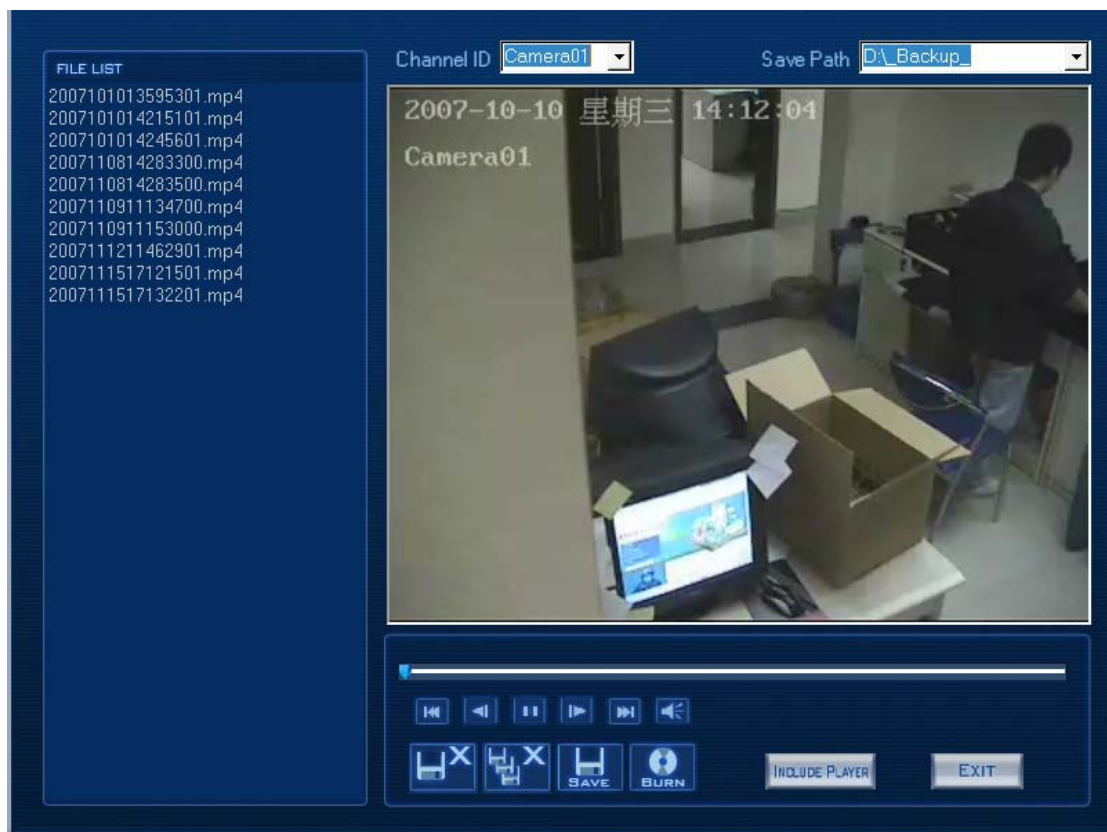
3.6.3 View backup file

Press  to view backup file



1. Select channel and path

Select channel and path of the backup file in local disk on the top of interface



2. Play file and related operations

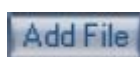
(1) Play file and controls

Select one from File List and double click it, this file will be played. The united file is named by “date + begin time” and “date + end time”.

(2) Capture picture

Press  button to capture a picture.

(3) Burn CD

: Add selected file to ready for burning

: Delete selected file from the box

【Burn CD drive】 Select CD-ROM driver.

【Volume label】 Set the label of CD.

【Total file size】 Show the size of all files will be burned to CD.



When you finish your setup, click this button will write file to CD.

3.7 Search captured pictures



Click to enter the search window (Figure3— 9):

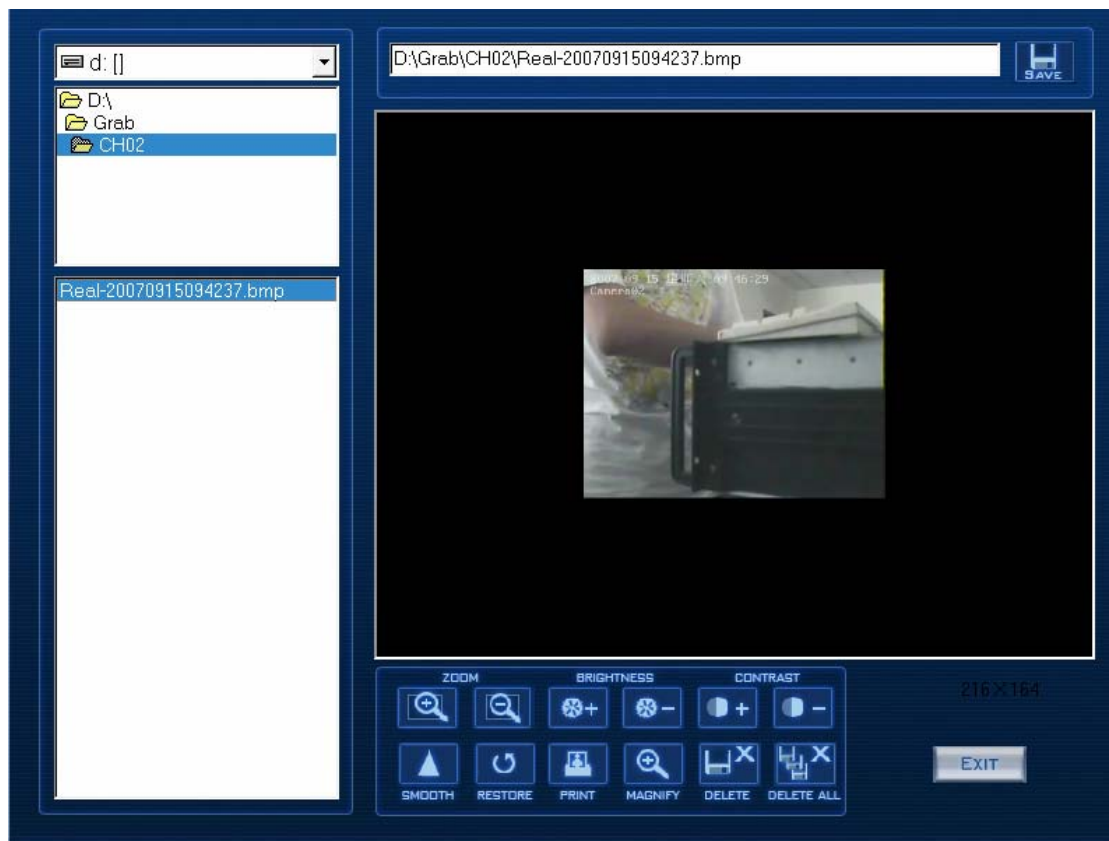


Figure3— 9

1. Select pictures from directory and file list

You can select a captured picture from directory list (Figure3— 10) and file list (Figure3— 11) in local disk. By default, the directory is: System volume\Grab\Search. After you select the path the file name will show in the top of the window (Figure3— 12).

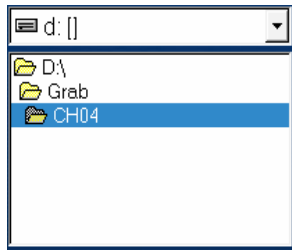


Figure3— 10

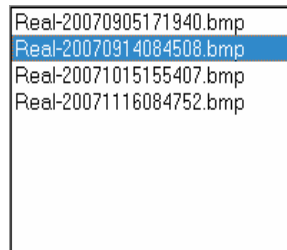


Figure3— 11



Figure3— 12

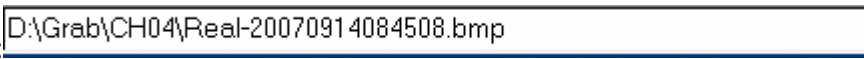






Note: 


Figure3— 12 show name and path of current picture. If you want to save the reworked picture in another file, you can change its name and path here, with bmp and jpg as suffix. Then click the


button .

2. Related operations

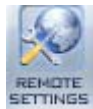
- 1)  After you edit the picture you can save the picture in a save path as you like.
- 2)  Function buttons of picture disposal.
- 3)  When the result of disposal is not good click it to the default.
- 4)  Print picture, when the image is wider than 400 pixels, it will be printed smaller. On the other hand, it will be printed bigger.
- 5)  When it's bright, with the mouse moving, part of the picture will be enlarged.
- 6)  Delete current file or delete all files.

3.8 Open/close all windows

Press  button to open all playback windows in turns according to the order of the cameras.

Press  button to close all playback windows.

Chapter4 Remote setup



Click **REMOTE SETTINGS** button to enter remote setup.

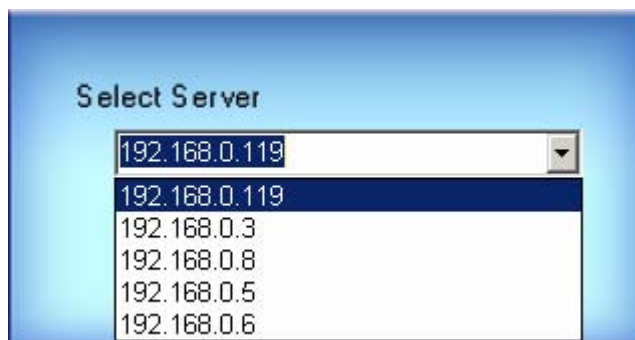


Figure4— 1

Select one server to search from the server list (Figure4— 1).

Remote setup for PC-DVR is mostly same as [Local setup in DVR server manual](#).

Remote setup for DVS and EM-DVR as follows (Figure4— 2):

SYSTEM		CHANNEL		PTZ		SENSORS		ALARM	
Server Name	Embedded Net DVS	User Name	admin						
Server IP	192.168.0.65	User Password	*****						
Port	8000	DNS Server IP	0.0.0.0						
Subnet Mask	255.255.255.0	Remote Host IP	0.0.0.0						
Network Gateway	0.0.0.0	Remote Host Port	0						
Connection Type	10M/100M[5 cable]	Physical Address	00:40:36:36:05:bd						
Use PPPOE	<input type="checkbox"/>	Software Version	2.0						
PPPOE Login Name		DSP Software Version	4.0						
PPPOE Login Password		Hardware Version	3341.0						
PPPOE IP	0.0.0.0								
Server Serial NO.	DS2CD812NF0020071023AAWR100027117WC								
UPGRADE		RESTART		Time Adjust		SAVE		EXIT	

Figure4— 2

4.1 Functional buttons

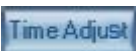
There are 5 the same buttons in each page. They are Upgrade, Restart, Time adjustment, Save and Exit.



The system can upgrade to the server remote. Click this button, and select the right file.



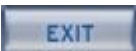
Some setting will only come into effect after device reboots.



Adjust date and time of DVS or EMDVR. The new date and time will accordant with NVR client computer.



After setup is finished, click this button to save the setup.



Exit setup.

Remote setup for DVS including Server, Channel, PTZ, Sensor and Alarm.

4.2 Server setup



Press button to set server parameters remotely (Figure4— 3):

Server Name	Embedded Net DVS	User Name	admin
Server IP	192.168.0.65	User Password	*****
Port	8000	DNS Server IP	0.0.0.0
Subnet Mask	255.255.255.0	Remote Host IP	0.0.0.0
Network Gateway	0.0.0.0	Remote Host Port	0
Connection Type	10M/100M(5 cable)	Physical Address	00:40:36:05:bd
Use PPPOE	<input type="checkbox"/>	Software Version	2.0
PPPOE Login Name		DSP Software Version	4.0
PPPOE Login Password		Hardware Version	3341.0
PPPOE IP	0.0.0.0		
Server Serial NO.	DS2CD812NF0020071023AAWR100027117WC		

Figure4— 3

In the server window, some blanks' background are gray. Those parameters are read from foreside server, you can't modify them. Other blanks whose background is white, you can set them remotely.

【Server Name】 Enter the name description for easy identification. This name delegates the foreside server. If use DNS to get IP, this name will be used.

【IP configuration and related】

【Server IP】 【Port】 【Subnet Mask】 【Net Gate】 【Net Cable Type】	}	These are network configuration; you can set LAN or Internet IP according to your need.
---	---	---

【Connection configuration and related parameter】

【If use PPPOE】 【PPPOE Login Name】 【PPPOE Login Pass】	}	If system uses PPPOE to connect with web, please select it and input the PPPOE login ID and password.
---	---	---


【User Pass】 Set the user password of DVS remotely, after that operation you should change the **Login Pass** to corresponding value in [Add / Modify server](#). Otherwise, you can't connect the DVS correctly.

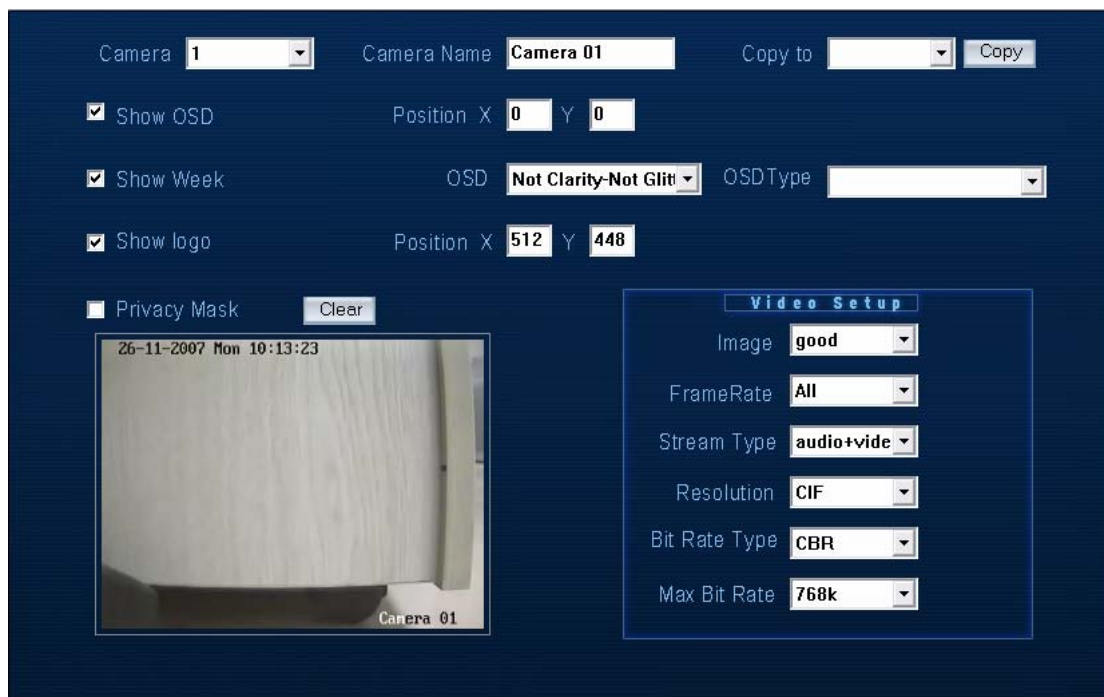
【DNS Server IP】 If use DNS, input the DNS host IP address.

【Remote manage】

【Remote manage IP】 【Remote manage port】	}	Set the IP address and port of host server who will receive the message upload from foreside server
--	---	---

4.3 Channel setup

Press  button to set channel parameters (Figure4— 4).



Camera Camera Name Copy to

☒ Show OSD Position X Y

☒ Show Week OSD OSDType

☒ Show Logo Position X Y

☐ Privacy Mask

26-11-2007 Mon 10:13:23
Camera 01

Video Setup

Image

FrameRate

Stream Type

Resolution

Bit Rate Type

Max Bit Rate

Figure4— 4

This section contains the parameters to designate a name for every camera connected, to enable or disable show LOGO and OSD, and to set display type of OSD & LOGO as well as record resolution, record type, record quality and frame rate, etc.

【Camera】 Select the camera to be set from the drop- list.

【Camera Name】 Enter a name description for easy identification.

【Frame Rate】 Select the record rate of camera from drop-list.

【Resolution】 Set the resolution at which the video files will be recorded. Choices are DCIF, CIF, QCIF, 2CIF and 4CIF. The higher resolution, the more disk space.

【Stream Type】 Select video and audio or only video record.

【Image】 Set the quality of the image to be recorded. Select from worst, worse, normal, good and Best.

【Bit Rate Type】 Select bit rate type from Variable Bit Rate (VBR) and Fixed Bit Rate (FBR) record:

VBR range= Poorest, Poor, Medium, Good, Best.

FBR range = 45 Megabytes/Hour to 400 Megabytes/Hour.

【Max Bit Rate】 Select the maximum bit rate for Variable Bit Rate (VBR) record.

【Show LOGO/ OSD/ Week】 If you check those box, system will show corresponding information on screen.

【Position】 Set the position of OSD or Logo by entering the X and Y coordinate directly.


【OSD】 Set the display attribute of the OSD & LOGO. There are four types display modes: Clarity-Glitter, Clarity-Not Glitter, Not Clarity-Glitter and Not Clarity-Not Glitter.

【OSD Type】 Select the type of OSD for the Week.


【Privacy Mask】 You can check this box to set the privacy mask on the below image

directly, and you can clear some privacy masks by pressing  button.

Note: This record schedule is only available to EM-DVR. There are 4 time segments every day. Every segment has start time, end time and record type. The time segment is set in sequence, every segment can't be overlapped, included or skipped with any other.

【Copy to】 After finishing one channel, if you want to set any other channels' configuration as the same as this camera, you can select channel number from drop-list, and press  button.

4.4 PTZ control

Press  button to set PTZ (Figure4— 5)

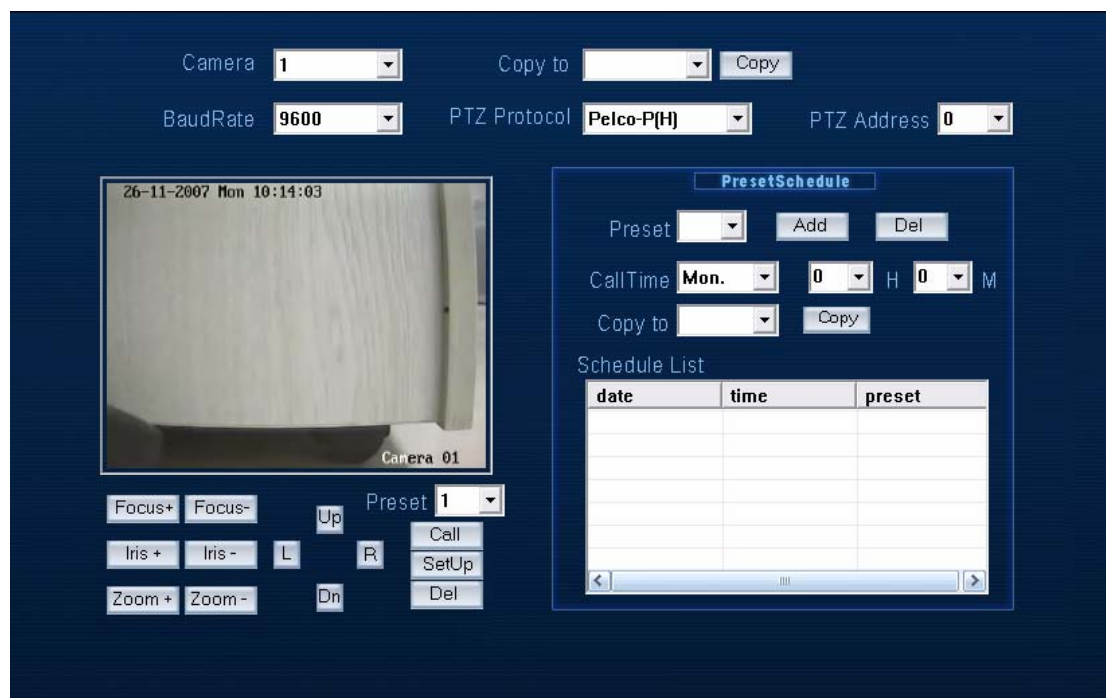


Figure4— 5

In this screen, you can define the PTZ protocol and set the Preset Position as well as the plan to execute them automatically.

【Camera】 Select the camera to be set from the drop- list.

【Baud rate】 Set baud rate according to PTZ protocol from the drop- list.

【PTZ Protocol】 Select the communication protocol for the PTZ camera from drop-list.

【PTZ Address】 Set the address of the decoder, which must be matched with the value of dipswitch in the PTZ.

【Preset position & schedule setup】 Define preset position and set time to call preset position automatically. System can add and delete plan time.

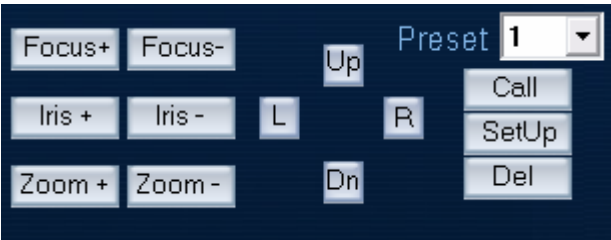


Figure4— 6

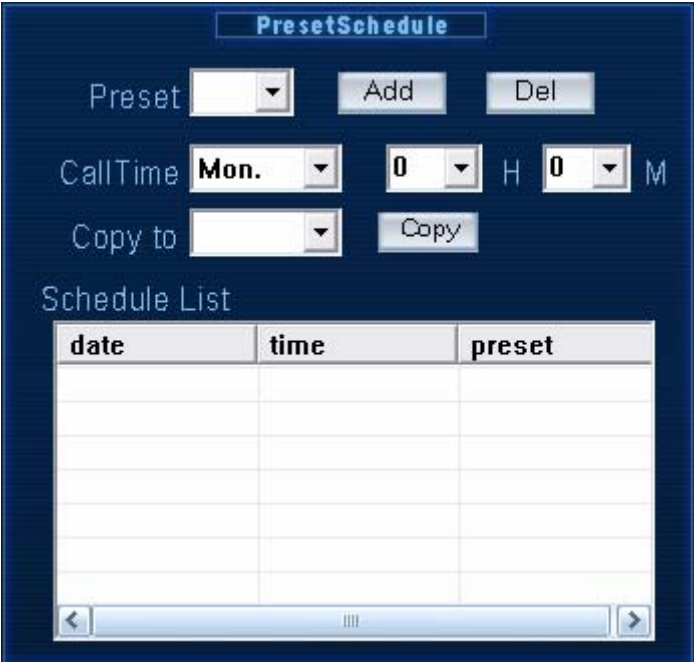




Figure4— 7

【Copy to】 After finishing one channel, if you want to set any other channels' configuration as the same as this camera, you can select channel number from drop-list, and press  button.

4.5 Sensor setup

Press  button to set sensor parameters (Figure4— 8).

Sensor NO

Sensor Name

Type

Copy to

☒ Sensor Alarm Handling

Policy

☒ Audible warning

☒ Upload to DVR Server

☐ Trigger alarm out

☐ 1 ☐ 2

Trigger rec camera

☐ 1 ☐ 2 ☐ 3 ☐ 4

Preset

☐ Use

Camera

Schedule

Day

Period1

Period2

Period3

Period4

Copy to

Figure4— 8

【Sensor NO】 Select one sensor to be set.

【Sensor Name】 Enter the name description of the sensor.

【Type】 Select alarm type (sensor type) from “NO”(Normally Open) or “NC”(Normally Close).

【Policy】 Selecting “Sensor Alarm Handling” firstly, handling policies will be available as follows:

On screen warning—Display the alarm information on the monitor.

Audio warning—Indicate the alarm with voice.

Upload to center—Update the alarm information to center.

Trigger alarm out—Trigger alarm box to output the alarm.

【Trigger record camera】 Set cameras to record triggered by the alarm. You can select one or more channels. When there is alarm input, the cameras will be triggered to record (the record type of the channel is Alarm Record), and the monitor will switch to preview the cameras (warning on monitor is enable).

【Preset】 Set camera that will move to its one preset position when the alarm happened.

【Schedule】 Set alarm input precaution time firstly, then set time segment according to the sequence. The time of each segment should not overlap the others and no skips are allowed. After the precaution time of a certain day is set, you can copy the parameter to other dates by select a day and press copy button.

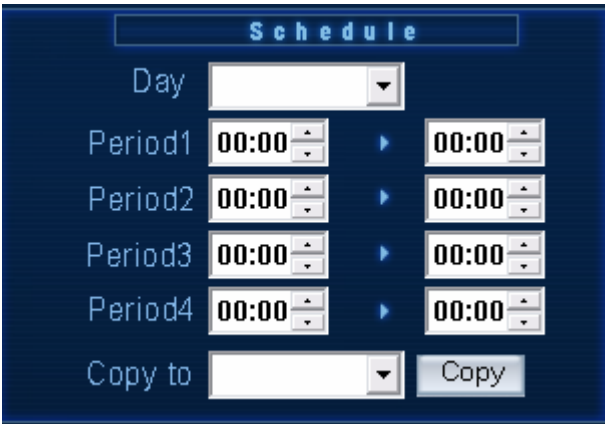



Figure4— 9

【Copy to】 After finishing one channel, if you want to set any other channels' configuration as the same as this camera, you can select channel number from drop-list, and press  button.

4.6 Alarm setup

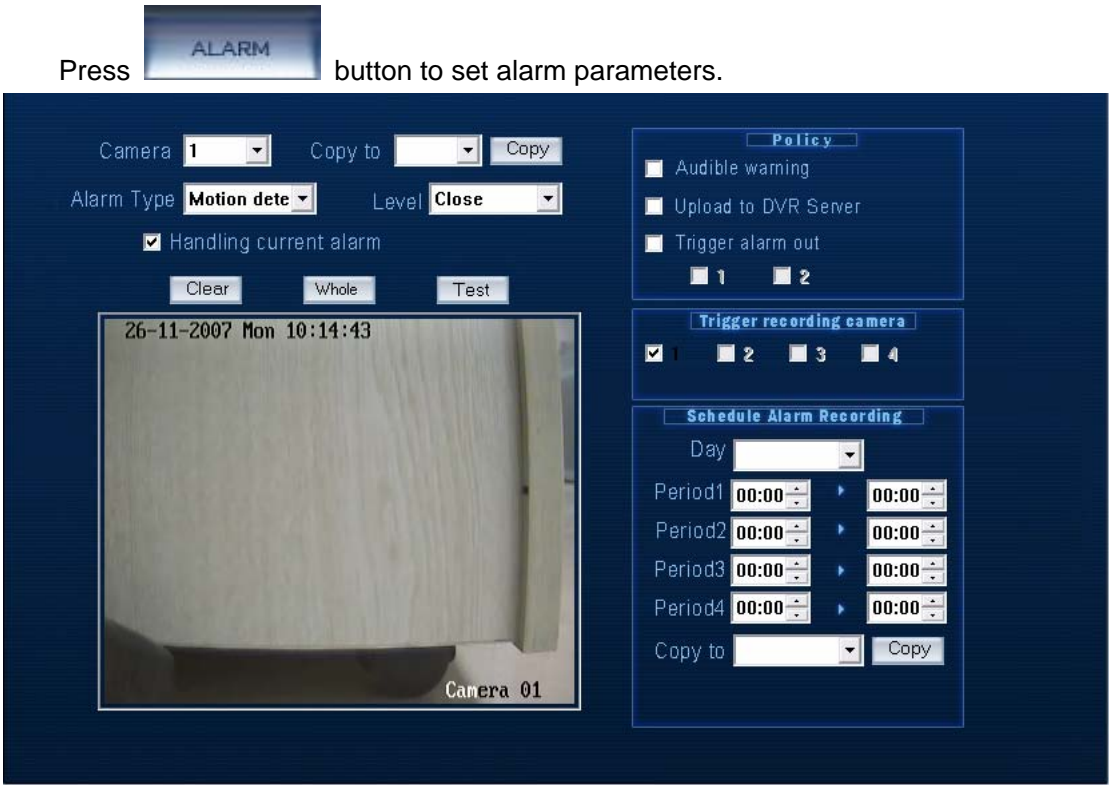


Figure4— 10

【Camera】 Select a camera to be set from the drop-list and you can copy the

configuration to the other cameras by clicking copy button.

【Alarm Type】 Select alarm type: Motion detect, Tempering alarm and Video Loss.

【Level】 Select sensibility levels from 0 (the lowest level) to 5 (the highest level) for the alarm.

【Set motion detection areas】 Left-click mouse and drag it on the screen to select motion detect area, you can select the whole area or many areas. Also, you can clear one or whole area by press the button clear and test the effect by clicking test button.

【Policy】 Selecting “Handling current alarm” firstly, handling policies will be available as follows:

On screen warning—Display the alarm information on the monitor.

Audio warning—Indicate the alarm with voice.

Upload to center—Update the alarm information to center.


Trigger alarm out—Trigger alarm box to output the alarm.

【Trigger record camera】 Set cameras to record triggered by the alarm. You can select one or more channels. When there is alarm input, the cameras will be triggered to record (the record type of the channel is Alarm Record), and the monitor will switch to preview the cameras (warning on monitor is enable).

【Schedule】 Set alarm input precaution time. Select date firstly, then set time segment according to the sequence. The time of each segment should not overlap the others and no skips are allowed. After the precaution time of a certain day is set, you can copy the parameter to other dates by select a day and press copy button.

The screenshot shows a software interface titled "Schedule Alarm Recording". It includes a "Day" dropdown menu. Below it are four rows labeled "Period1", "Period2", "Period3", and "Period4". Each row contains two time selection boxes (displaying "00:00") separated by a right-pointing arrow. At the bottom, there is a "Copy to" dropdown menu and a "Copy" button.

Figure4— 11

【Copy to】 After finishing one channel, if you want to set any other channels' configuration as the same as this camera, you can select channel number from drop-list, and press  button.

Chapter5 IE client

The client user can look through video of DVR Client by Internet Explorer, The default web server port is 80; if change other port, user should add the port number after IP address of DVR Client. E.g.: <http://192.168.0.119:1290>.

5.1 Functions of IE Client

1. Video display and video storage.
2. Audio input.
3. Searching and playback video image locally or remotely.
4. Control PTZ and speed demo remotely;

5.2 Main interface

When you connect DVR Client successfully, you should input valid User ID and password in right up of the interface (Figure5— 1) to acquire rights to play video and other operations.

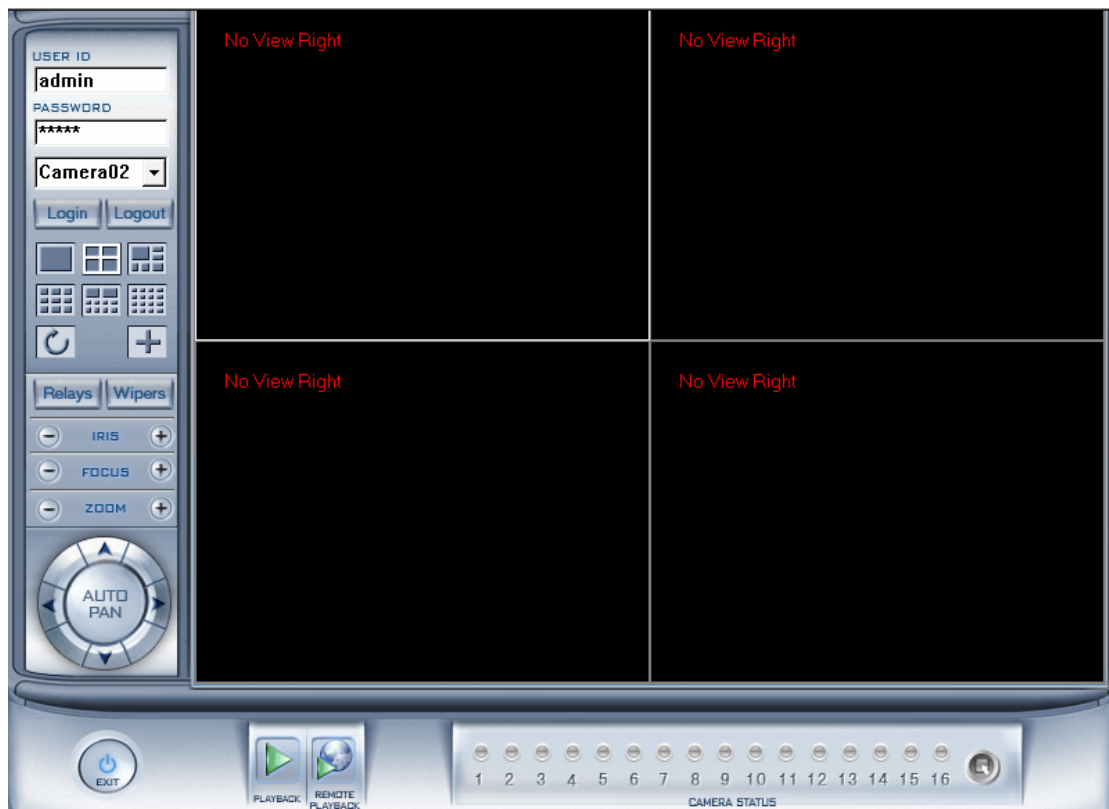


Figure5— 1

5.2.1 Connection/Record status



Figure5— 2


This icon (Figure5— 2) indicates the current connection and their record status:

Gray: Not connected.

Navy blue: Connected with no record.

Green: Connected with record.

You can change the record status by pressing corresponding number button or

change status of all connections at the same time by pressing  button.

5.2.2 Partition mode

You can set the partition mode from the drop-list file on the right up of main interface (Figure5— 1). It has follow partition mode: 1,4,6,9,10,16 partition mode.

5.2.3 PTZ Control

Most functions of PTZ control are same as Client in [PTZ Control panel](#).

5.2.4 Local & Remote search

It will describe in [Local search](#) and [Remote search](#) in detail.

5.2.5 Quit program

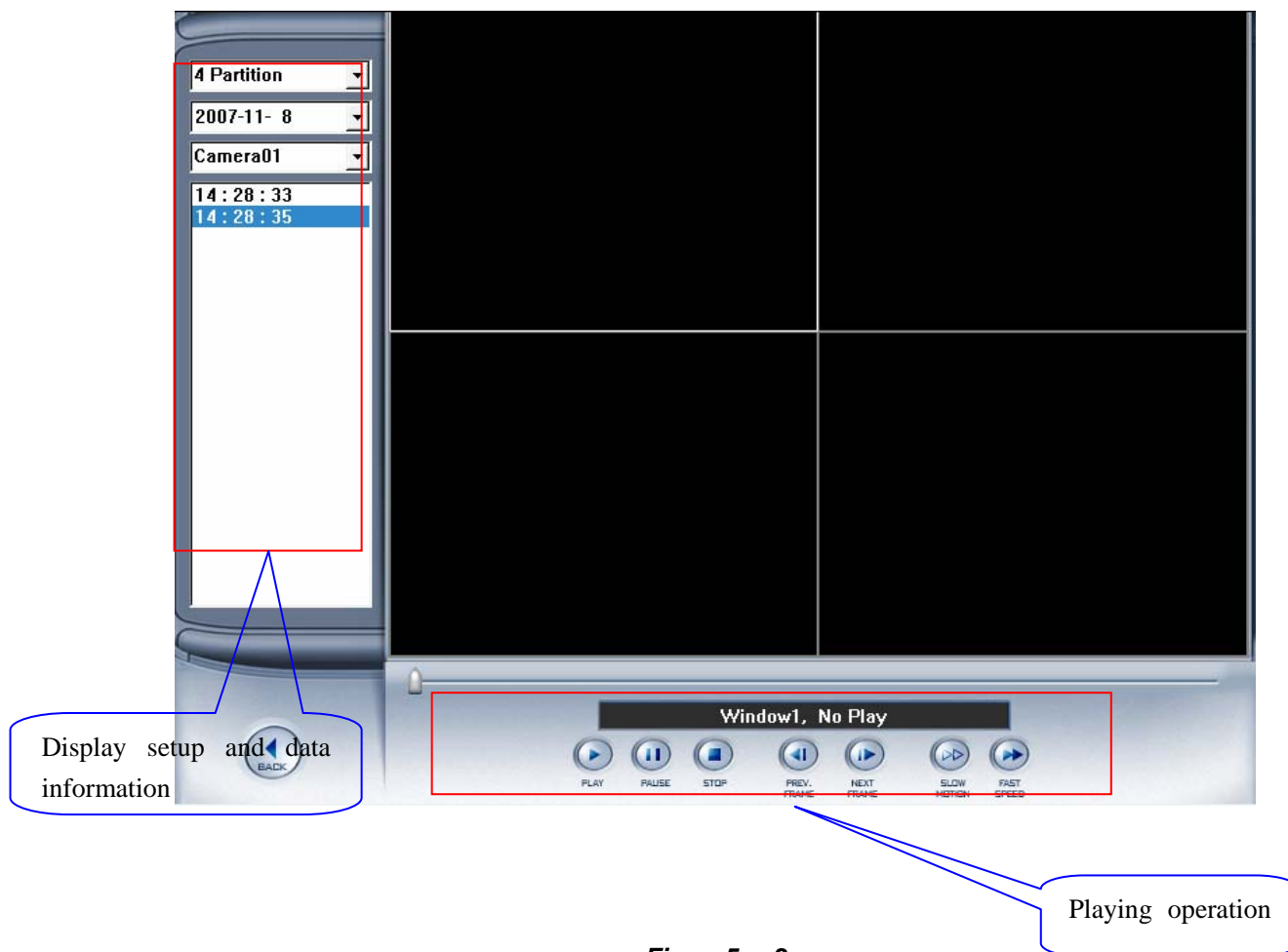


Press button to shut down the IE Client.

5.3 Local search



Press button to enter local search (Figure5— 3):

**Figure5— 3**

1. Display setup and data information

In this area, you can select display partition mode, date, video channel and its video file named according to time.

2. Playing operation area

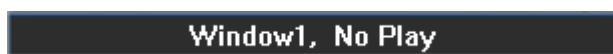
In this area, you can operate video playing.

(1) Video-playing time adjustment



Press and drag slider bar to adjust video-playing time

(2) Information display panel:



Display current window name, camera name and record data information.

(3) Playing-control buttons



: Play, Pause, Stop.

(4) Single frame play



: Previous frame, next frame

(5) Playing speed control



Slowly play



Fleetly play


5.4 Remote search


Most functions and operations of Remote search are same as [Local search](#); different feature is that remote search added download feature



Figure5— 4



When you playback, you click down , system will save video of current channel you selected, and after save finish one file, it will popup prompt to indicate its working.

Select one camera that has record data, open file list panel, select one record data package, and click  button, the selected data package will download fast.

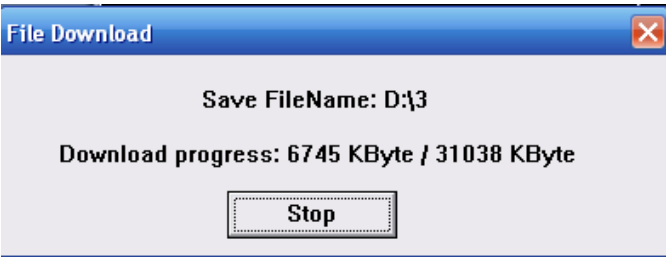
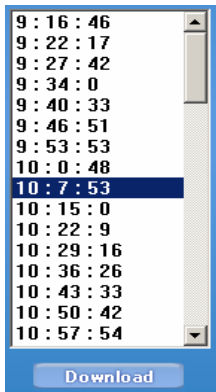


Figure5— 5

NOTE:

When user use IE client to visit DVR Client, If connect successfully, there will appear four

partition blue window. If connect unsuccessfully, the reasons possibly are:

- . The Web server port has been used by other programs.
- . Your computer didn't download the player plug normally. The reason may be the jurisdiction of your computer is too high, or your computer has plug filter.