

NVR Client & IE Client

IDRS-6000S-HE Series

User Manual

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Introduction:

Thank you for purchasing IDRS NVR client system.

This IDRS NVR client system can connect PC-DVR (IDRS-6000S PV Based DVR, IRRS Standalone DVR, Network Camera and DVS.)

IDRS NVR Client Software, is standalone software, it support all of equipment of IDRS (Include: PC Based DVR, embedded DVR, DVS, and Network camera). 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. It has so many functions with simple operation and it is usually used to connect remote equipment and in conditions of less channels.

Main function: Remote real time monitor, remote PTZ control and color adjustment, system log, user administrator, local and remote playback and recording clips

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

Note:

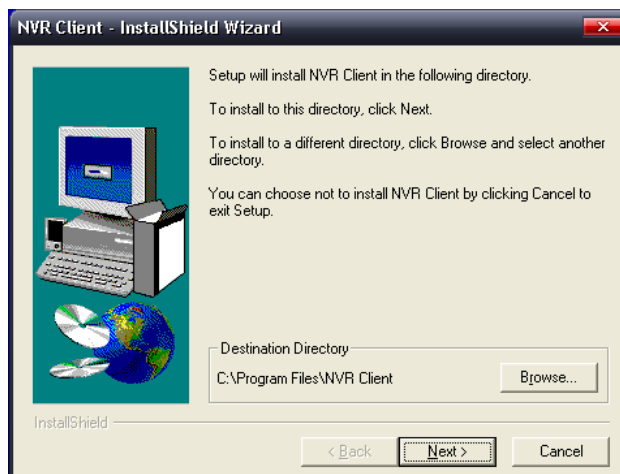
If the products you bought is IDRS PC Based DVR, Please read carefully from chapter 1 to chapter 6 of USER'S GUIDE.

If the products you bought is IDRS Standalone DVR or DVS, Please read carefully from chapter 1 to chapter 4 of USER'S GUIDE.

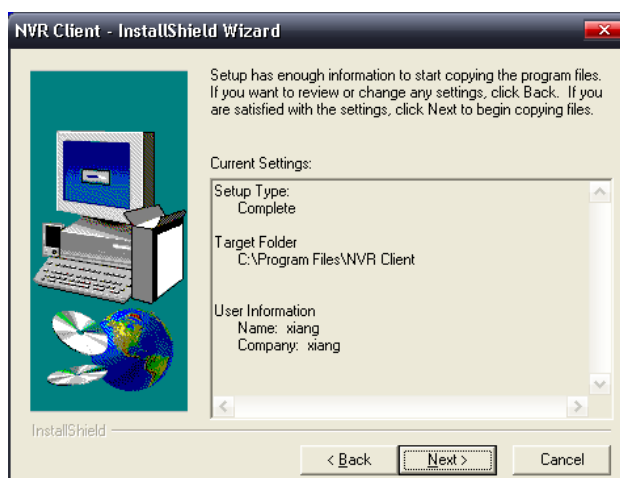
If the products you bought is IDRS Network Camera, Please read carefully from chapter 1 to chapter 5 and chapter 7 of USER'S GUIDE.

Chapter 1 Software installation

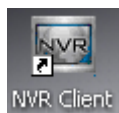
Find the files of IDRS Serials DVR/DVS Client, and open it and double click the SETUP.EXE. Like the following picture:



You can choose the position of the software installation here, and then click the “NEXT” after you have chosen one.

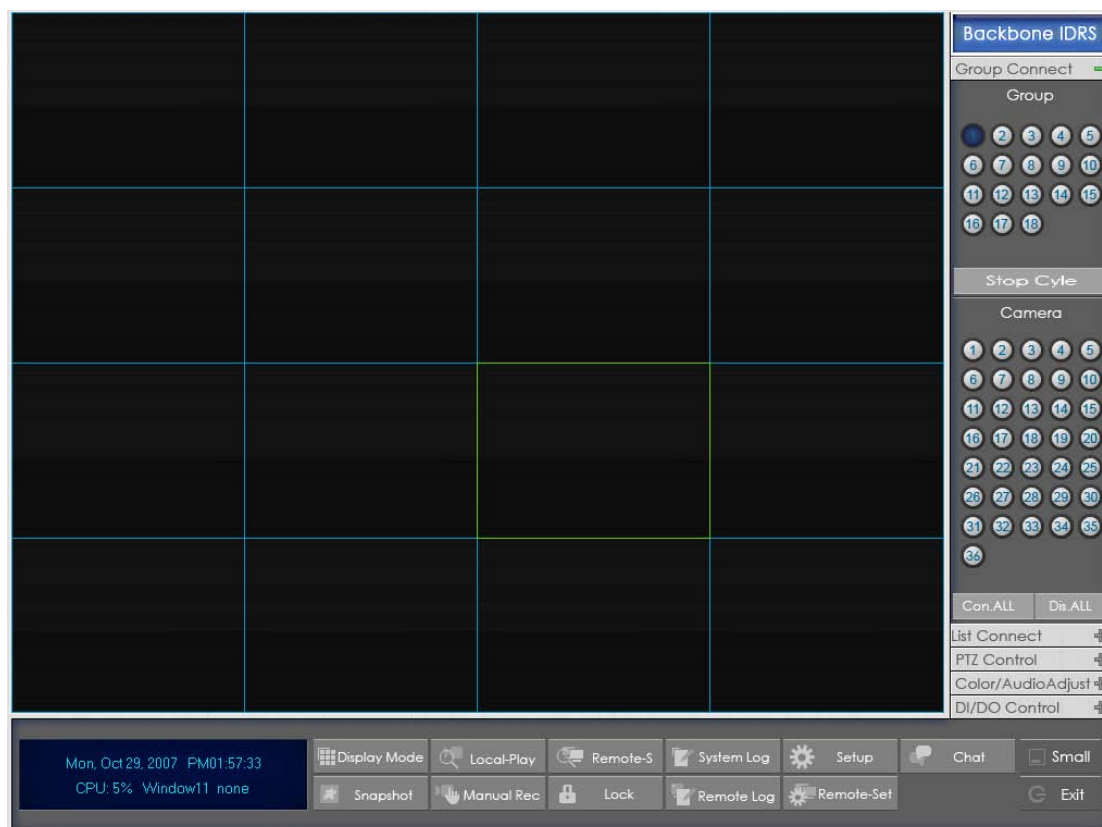


Confirm the installation information, then click “NEXT”, after the installation process completed, Click “FINISH”. If it is successful, the desk will popup automatically an button



, please double click this icon, you can start to use this software.

Chapter 2 Main interface



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: Double-click mouse of right mouse 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.

2.1 Function button introduction

2.1.1 Display division mode

Press  button to set camera display mode: popup the types of divisions automatically after clicking. Like the right picture, including 1, 4, 9, 16, 25 partition, you can choose the suitable division according to your need.



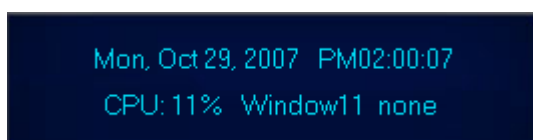
2.1.2 Manual record switch

Press  button to record manually to any camera: It is used to manually control recording for the channel without recording. Click it and if it is become orange, it is recording status, vice versa. If it is not closed manually, it will record forever.

2.1.3 Image capture button

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.

2.1.4 Information display window



Show current date, time, the current selected camera in video display windows.

2.1.5 Local setup button

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

2.1.6 Local search button

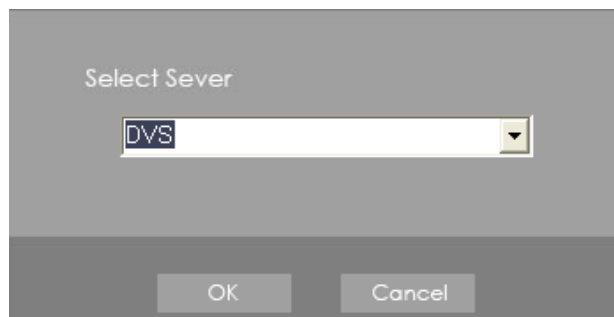
Press  button to enter [Local search](#) submenu. In this menu, you can playback and search for recorded video/audio from local host.

2.1.7 Remote setup button

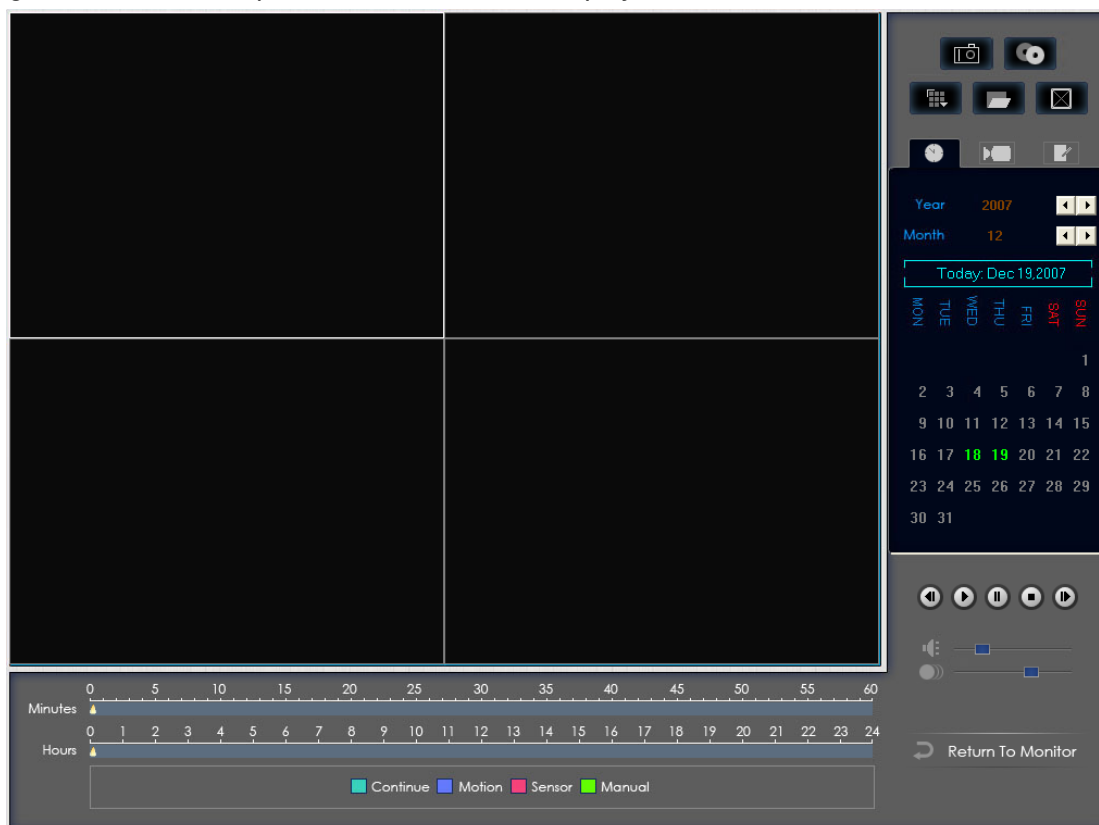
Press  button to enter [Remote setup](#) submenu. In this menu, you can set the server's parameters remotely.

2.1.8 Remote search button

Press  button to enter Remote search submenu. In this menu, you can playback and search for recorded video/audio remotely.



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.



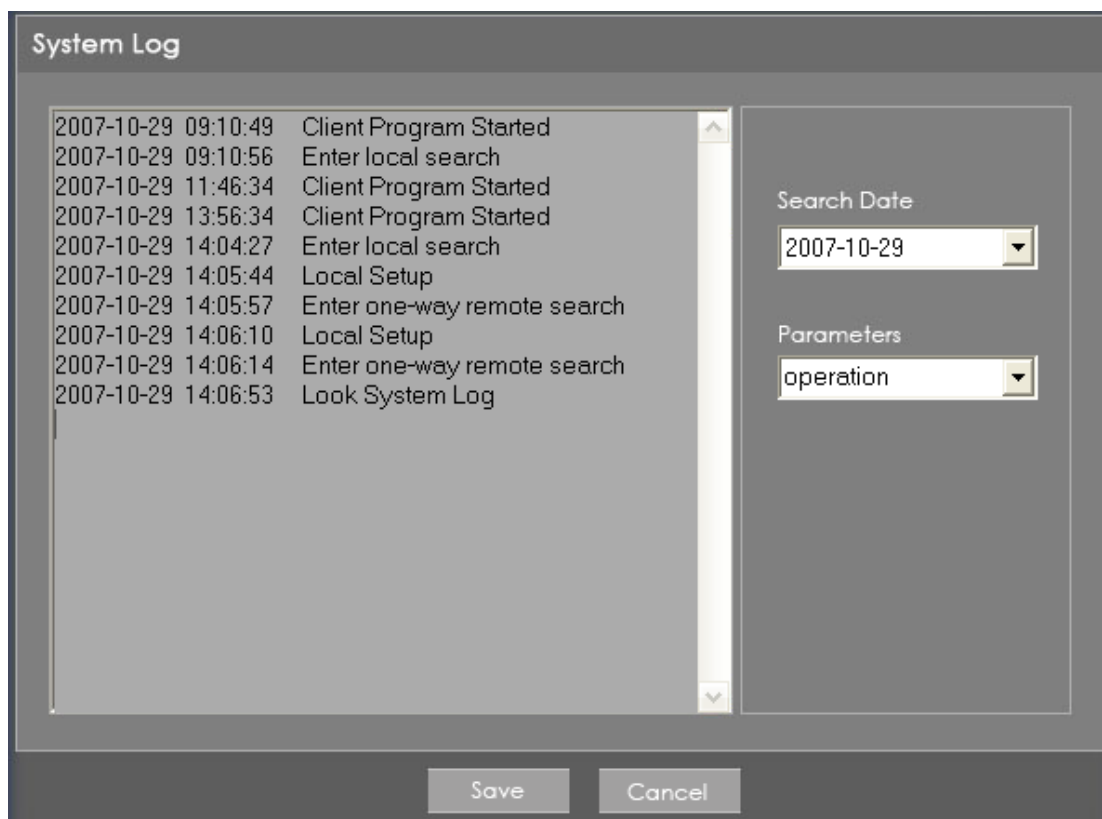
Remote search includes search for PC-DVR and EM-DVR. Remote search for PC-DVR is almost same with [Local search](#), only different feature is that remote playback added download feature. When you select a file and click download button, system will save video of current channel you selected, and after finishing one file, it will popup prompt refer to the position of saving.

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.

2.1.9 Local Log button

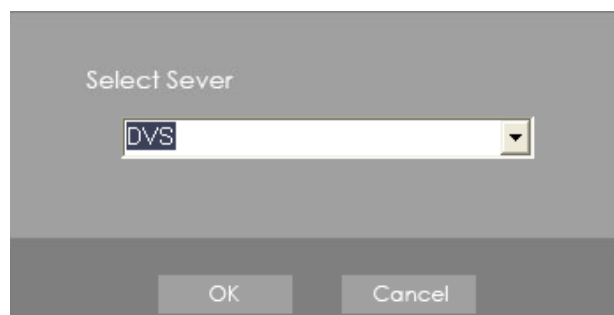
Press  button to view all actions of recording as well as operations.



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. System parameter includes operations, system prompts, alarms and other activities. You can choose the log's date and also can choose different kinds of logs according to different rules, still can store the log you interest by word types.

2.1.10 Remote log search

Press  **Remote Log** 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. After clicking, you firstly choose which log you want to look, and then press to confirm. The interface of that is same as the local search ones



NOTE:

Remote log is only available to PC-DVR.

2.1.11 Remote char

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.

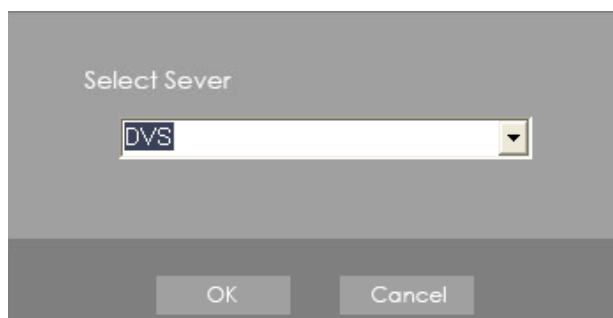


Figure2-1

Select a server from dropdown list to make remote chat (Figure2-). If connect successfully, there will have an icon tip to show it (figure2-2).

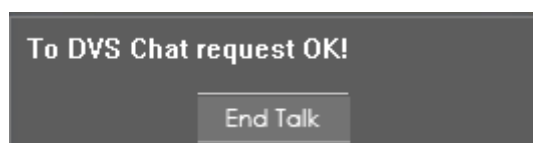


Figure2-2

2.1.12 System lock

Press  **Lock** button to lock system——only the software start the function of management, Locks keyboard and mouse can prevent unauthorized user to operate IDRS NVR Client system. Click this button to acquire the operation rights by entering the user and password, default user ID is “admin”, no password.

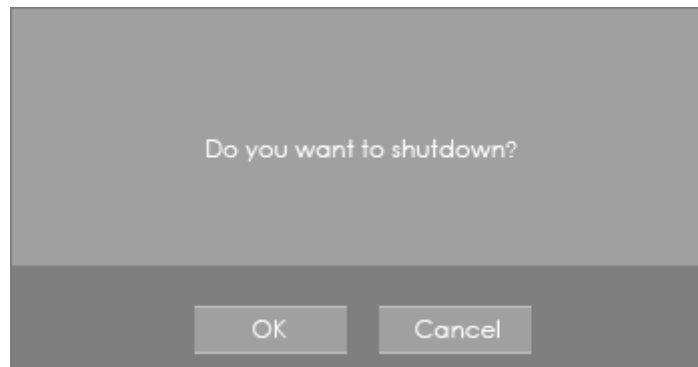
2.1.13 Minimize button

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

2.1.14 Exit program

Press  **Exit** button to exit program.

After clicking this button, a dialog will display. Click “OK” to quit DVR system.



2.2 Interface function button

2.2.1 Connection group

Press  to enter connection group setup.



You can set different tasks into different channels, each group at most set up 18 channels. For example, you have 70 channels' pictures and need to set them into 3 groups, here, you can choose the group you want to look.



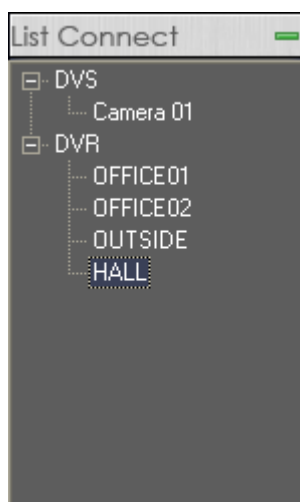
36 buttons control 36 windows; you can click the button number to get the access to relevant window, click again, turn off the picture. If the button is grey, it means the channel did not connect the picture, if the button is black, it means the channel connected the picture without recording, if the button is green, it means both activities are doing done.



Press this button, the cruise display of all channels is stopped and the picture will be the current image.

2.2.2 Connection equipment list

Press  button to show all the equipments you have added in this client.



Connection equipment list: the catalog includes the lists of all of equipments. You can check the name of the equipment and the numbers of channels of each one. Choosing a window on the software main interface, then double click one camera on this list, in that the image of this channel can connect the window you choose. You also can choose another window with the same operation, and then get the same result.

2.2.3 PTZ control panel

Press  button to control PTZ.

2.2.3.1 Common PTZ control

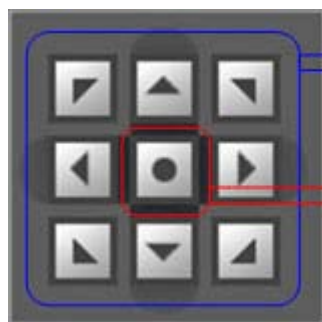
 **[Relay] (On/Off):** Control the PTZ cameras internal relay (relay1) or the decoder's relay (relay 1). Used to turn on a light or control an access gate.

 **[Wiper (On/Off):** If using the PTZ cameras corresponding wiper control relay, this toggles the relay/wiper on and off.

 **[Zoom + / Zoom -]:** Control the zoom function of the PTZ camera.

 **[Focus + / Focus -]:** Overrides the auto-focus setting of the PTZ camera, adjust focus the image.

 **[Iris + / Iris -]:** Overrides the PTZ cameras auto-iris and brighten or darken the image.



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

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



2.2.3.2 Speed Demo control

Click this button, there will popup a menu, including



The premise of setup is the front-end PTZ and decoder supporting preset and shift speed functions.

Adjust the platform and lens at some position you want, then mark this position (when setup the preset and add the preset, the same), so that, can make the platform shift to the

marked position quickly according to requirement.

(1) Preset setup

DVR Camera41 admin

PTZ Speed

Add/Del. Preset

Preset Name

Preset No. 1

Call Mode Call Preset

+ - SET

Preset Name	NO.
001	1
002	2
003	3
004	4
006	80
005	90

No PTZ Action 30 Sec Back

Home Position 001

Tour Preset TourGroup1

Preset Name 001

+ - Stay Time 5 sec

Preset Name	NO.	Time
001	1	10
002	2	5
003	3	12

Save Exit

Here to adjust the speed of platform

Preset setup: firstly, put the name you want to call in Preset Name. Secondly, you can select the No in Preset No. Call Mode will make you select the order for preset "call" or "setup". Then click **+** to add this present, then, this position can be displayed on the bellowed list. If you want to delete some presets, first select it then click **-**. If you want to alter exist preset order, firstly, select it on the list then change it, at last click **SET** to save.

No PTZ Action 15 Sec Back Here to set up one time, if you do not operate it within this time, the software will auto shift to the position you setup on Home Position dslfigldid. If you select "Disable" on the time function, that means you will not use this function.

Preset tour: Firstly, from Tour Preset TourGroup1 to choose one group, then from Preset Name 001 to choose one position, from Stay Time 5 sec to choose the stayed time of that position, finally, click **+** to add the plan on the list. After that, click "save" to save everything you set.

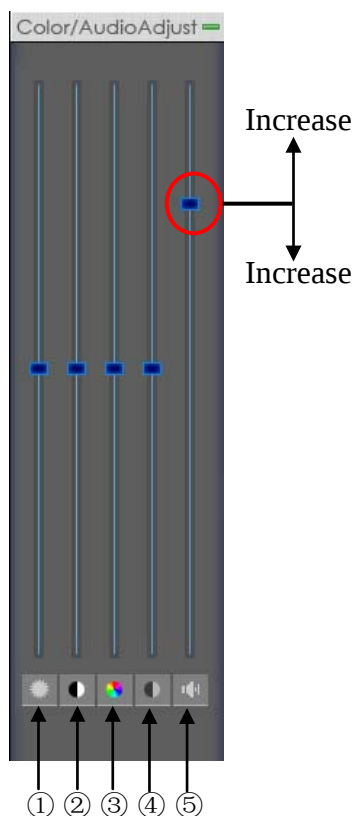
Take the above picture as example: group 1, tour between 001, 002, 003 position, but the PTZ will stay 10 Sec at 001, stay 5 sec at 002, and stay 12 sec at 003.

(2) Preset call: Let the mouse suspend on this area, there will auto popup the list of presets, then click the No. of preset needed to call on the list.

(3) Preset tour: Let the mouse suspend on this area, there will auto popup the list of tour plan, and then click the No. of tour plan on the list.

2.2.4 Color/Audio adjustment

Press **Color/AudioAdjust** 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.



① 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. 

② 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 

③ 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. 

④ 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. 

⑤ 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. 

2.2.5 DI/DO control



Note:

The channel of DI and DO is determined by the connected server

2.2.5.1 DI control

The DI number will show the alarm status of the corresponding server indicated by the shades of the icon:



Channel 3 has no sensor alarm input.



Channel 1 has a sensor alarm input.

When there has no alarm yet, user can press number button to check sensor forcibly. Press the button again to stop to check all time, then system check sensor according to Sensor setup. When there has an alarm, the corresponding button will show the alarm with green.

2.2.5.2 DO control

Press number to open/close alarm device relay switch manually. The status of DO have two types:



Output channel 2 is close.



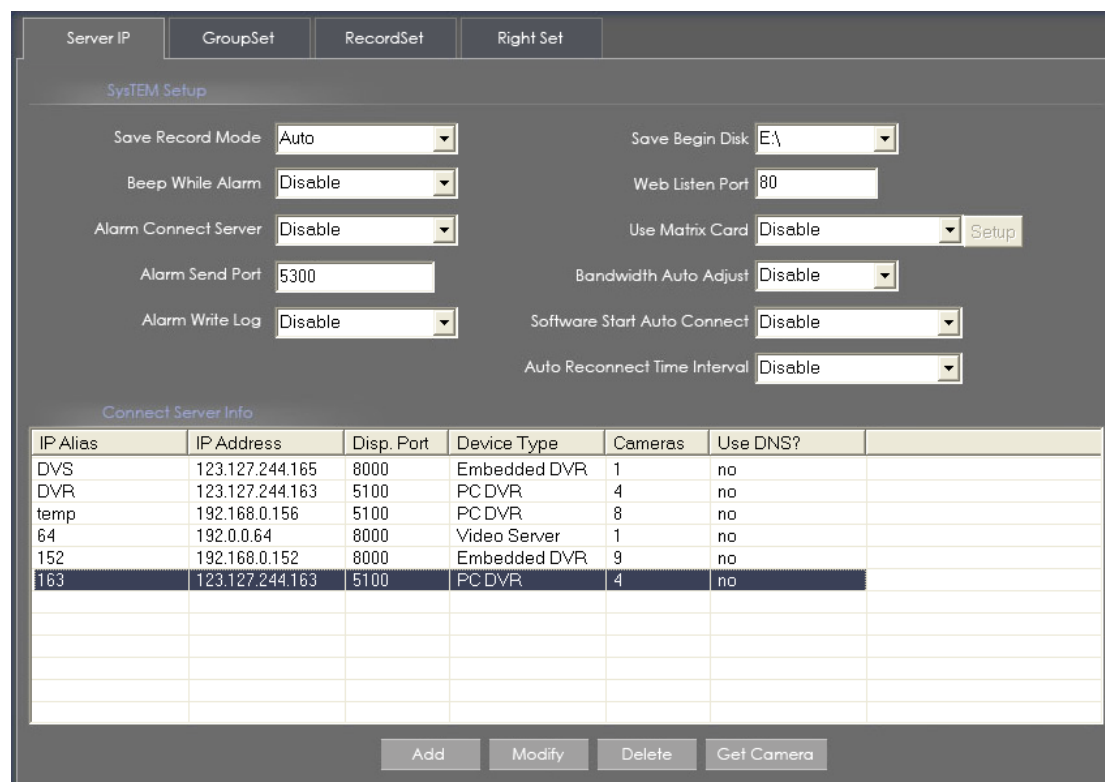
Output channel 1 is open.

When there has no alarms triggered out, user can press the number button to output alarm forcibly and the button will show it with green, press it again the output will be closed.

Chapter 3 Local setup

3.1 System setup

Click  **Setup** button to enter this window ([Figure 3—1](#)):



The screenshot shows the 'SYSTEM Setup' window with tabs for 'Server IP', 'GroupSet', 'RecordSet', and 'Right Set'. The 'RecordSet' tab is active. It contains several configuration options:

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

Below these options is a table titled 'Connect Server Info' with the following data:

IP Alias	IP Address	Disp. Port	Device Type	Cameras	Use DNS?
DVS	123.127.244.165	8000	Embedded DVR	1	no
DVR	123.127.244.163	5100	PC DVR	4	no
temp	192.168.0.156	5100	PC DVR	8	no
64	192.0.0.64	8000	Video Server	1	no
152	192.168.0.152	8000	Embedded DVR	9	no
163	123.127.244.163	5100	PC DVR	4	no

At the bottom of the window are buttons for 'Add', 'Modify', 'Delete', and 'Get Camera'.

Figure 3—1

3.1.1 System setup

[Save Record mode] Choose how to handle the situation if the record data make full of the space of Disk. One is automatically deleting the recording of the earliest day and another is stopping the recording and gives the information.

Auto: the system will cover the record data automatically when HDD full.

Manual: stop recording when HDD full before you delete it manually.

[Save Begin Disk] Select the district on which the video will save first, and the record data can be stored from this one to last one until the last one is full of materials.

[Beep While Alarm] Enable: If there has alarm in DVR server end, system will beep.

[Web Listen port] The IE client connects port. (Restart IDRS NVR Client software after this item is setup).

[Alarm connect server]Enable: if there has alarm in DVR server end, the client end will connect the DVR server forwardly.

[Alarm send port]It must be the same as those in the setup window of server alarm auto input.

[Alarm Write log]Select whether system writes alarm information log or not.

[Matrix card work mode]Setting the use of the matrix and decode card. If use matrix and decode card, select work mode from D1 decode mode or CIF decode mode and set it.

Note:

Each IDRS-6002MD card can decode 2 channels D1 or 4channels CIF.

Each IDRS-6004MD card can decode 4 channels D1 or 8 channels CIF.

Decoder will send out corresponding number channels from the first window in sequence.

User can set each output port individually.

[TV output port] Select decoder card output port.

[TV output View Mode] Set the split mode for selected port.

[Window index of TV port] Select the index for each split window.

For example:

1	2
3	4

This icon has four windows: window1, window2, window3, window4.



[Decode channel Index in window] Select window index

for the selected window. Each window can only select one decode channel. The number of decode channel will be showed automatically according to the channels of the decode card. For example, if there is one IDRS-6004MD card, there will show the 8 decode channel, if there are two IDRS-6004MD cards, there will show the 16 decode channel, if one IDRS-6002MD card, there are 4 decode channel only.

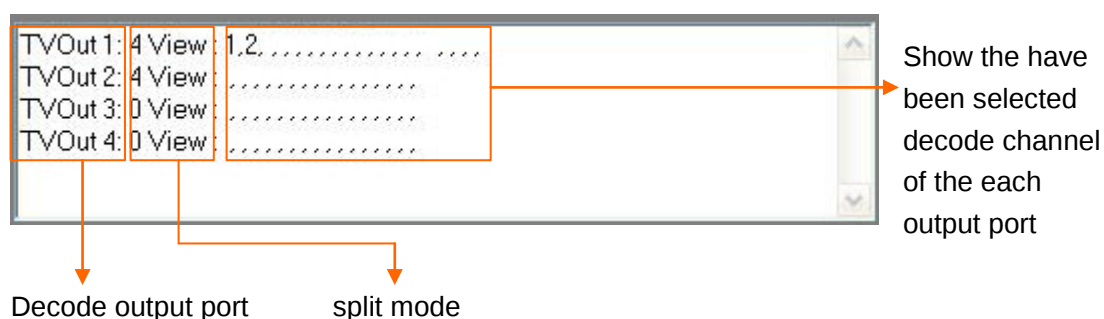


Figure 3—2

This figure ([Figure 3—2](#)) shows the decode channel have been selected, in order that user can't select the decoder repeatedly.

Note:

If use "CIF decode mode", and there isn't preview video appear in the IDRS NVR client main interface. The reason for this is that the resolution setup too high in DVR Server end. For example: D1. (Please restart IDRS NVR Client software after this item setup).

[Bandwidth Auto Adjust] Select whether system adjust the bandwidth automatically when the window is hide and corresponding camera has no record plan, the program will stop to connect corresponding camera with foreside server to reduce CPU usage.

[Software Start Auto Connect] Select the group set in [Group setup](#) to be connected when the program start. When you select "Disable", Client will not connect the camera automatically.

[Auto Reconnect interval] Select whether the client to reconnect when the connection is interrupted and the interval time. If you select "Disable", when the connection is interrupted, program will not reconnect it.

3.1.2 Add / Modify server

[illegible]

Has already added the equipment list

3.1.2.1 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.

Add/Modify Server Information

Server Name

DVR

IP Address

123.127.244.163

Device Type

PC DVR

Connect Port

5100

IF Use Dns to Get IP

no

Login User ID

admin

Dns Server IP

Login Pass

Dns Server Port

7100

OK

Cancel

[Server Name] The name of connected server host (Include PC-DVR, Network camera, DVS and EM-DVR), Input a name that is easy to identify. (Such as the “chain store” or “shanghai”)

[Device Type] Select the right device you want to connect. This client system can connect IDRS serials PC-DVRs, Network camera, DVS and EM-DVR.

[IP Address] Set IP address of the server host.

[Connect Port] Set the port through which to connect to DVR Server. Please don't change it unless some unexpected conditions.

[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 connection 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 used to set up the port through which connects to DNS server host.

3.1.2.2 Modify server

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

3.1.2.3 Delete connected server

Press  button to delete connected server.

3.1.2.4 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 have finished every setup you should save your change by pressing "save" button to store the setup successfully before you exit setup.

3.4 Group setup

Click  button to enter the following window ([Figure 3—3](#)):

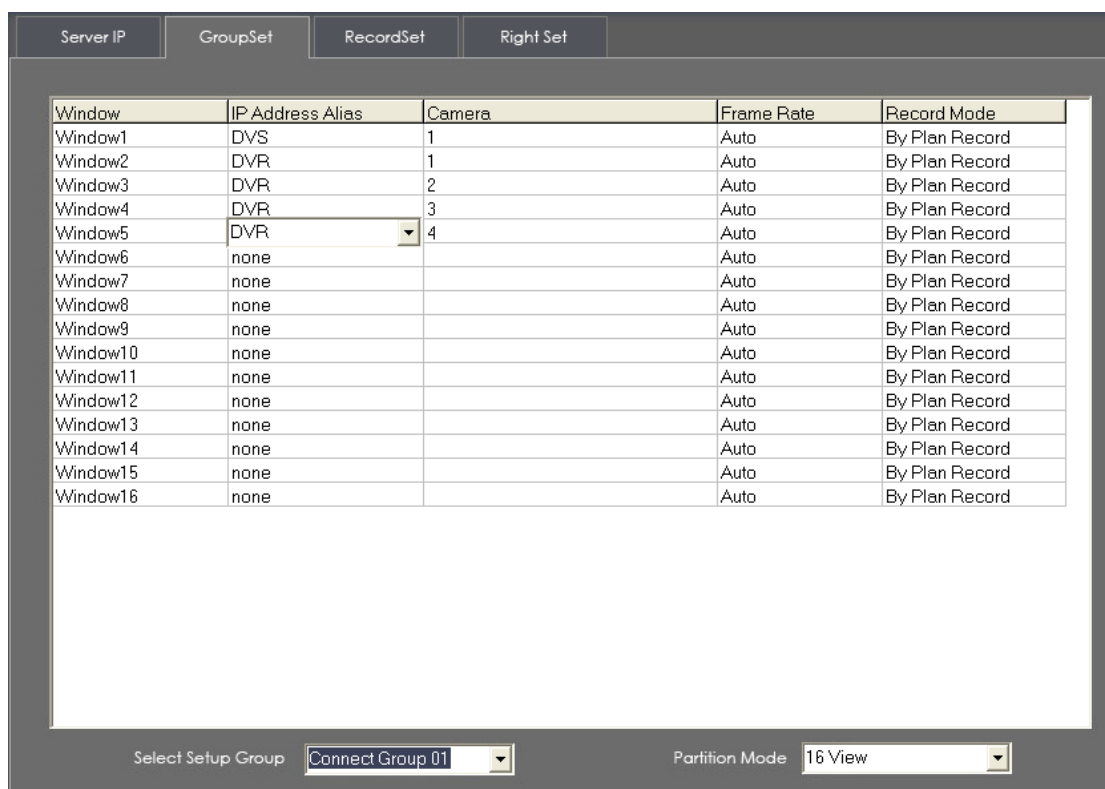


Figure 3—3

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:

[Window] display the channel of window on the interface.

[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 ([Figure 3—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 ([Figure 3—4](#)), 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 Cycle** in Main interface.

Window	IP Address Alias	Camera
Window1	office	1
Window2	office	2,5
Window3	office	3

Double click the blank or the button, will pop the right picture.

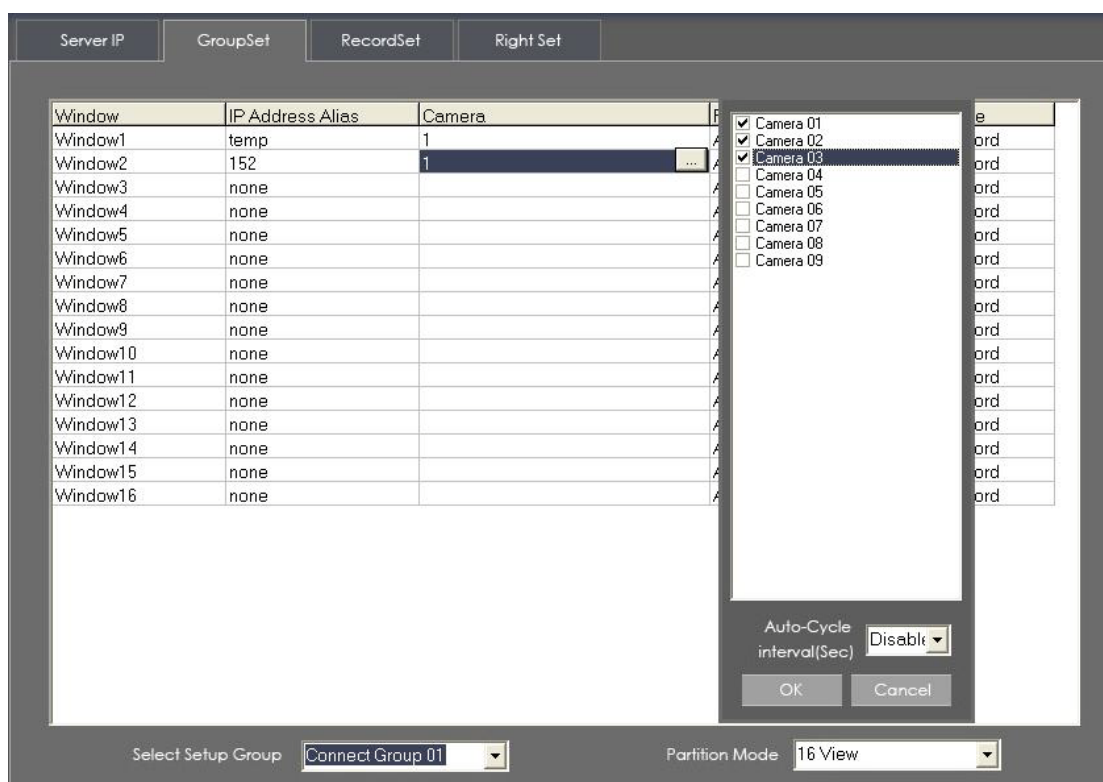


Figure 3—4

[Frame Rate] There are three selections: Realtime, Auto and 1fps.

- ① **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.
- ② **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.
- ③ **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 **RecordSet** button has no effects. Record by plan will be detailed in [Recording setup](#).

① **Recording by planning**. Once the windows is connected, recording by the table time preset in the computer.

② **Recording forever**: Once the window connects, local recording is going, unless the manual cancel.

Note:

After finish them, When you have finished setup you should save your change by pressing “save” button to store the setup successfully before for other set.

3.5 Recording setup

Click **RecordSet** to enter the record setup interface ([Figure 3—5](#))

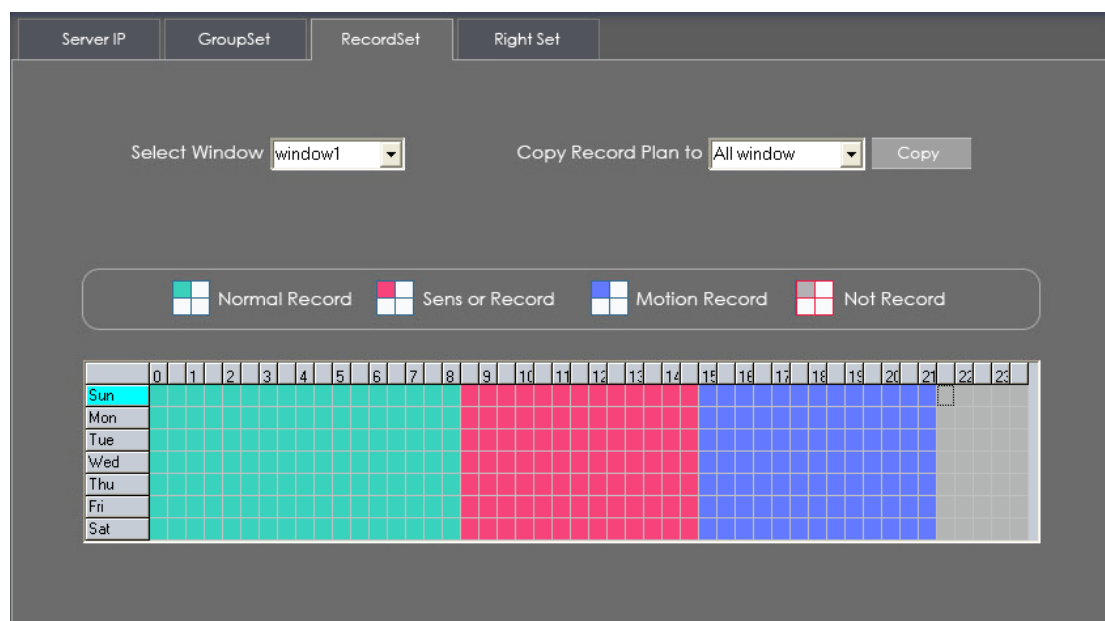


Figure 3—5

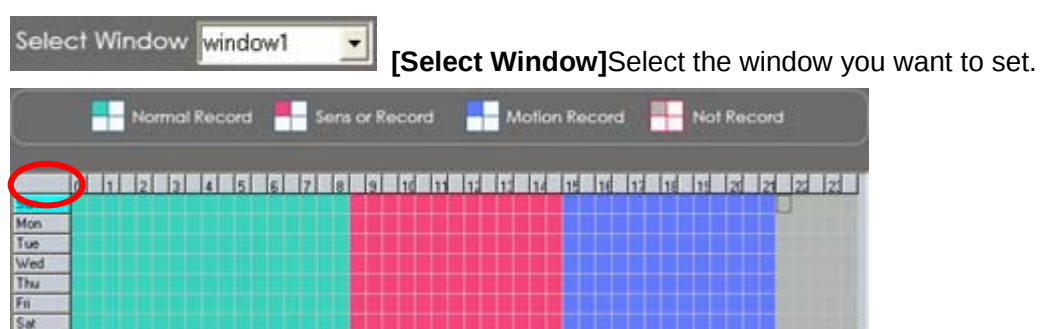


Figure 3—6

[Record type]Set the type of record, including “Normal record”, “Sensor record”, “Motion record” and “not record”. You can set record type as follows:

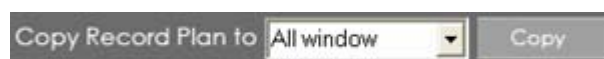
Firstly, press the type button that you want to set.

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 (The place circled in red of [Figure 3—6](#))

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.

3.6 User and Right setup

Click **Right Set** button to set user right:

3.6.1 User setup

[Add User/Del User]Click **Add** / **Delete** 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.

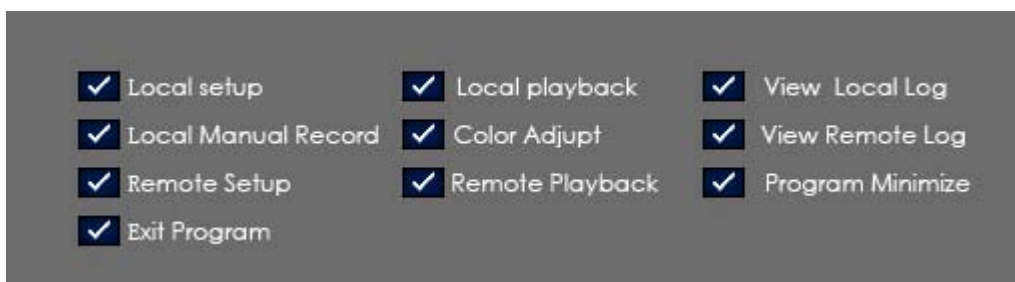
[Auth. Level] Select user type. When you select admin in **[Select User ID]** this selection is unavailable.

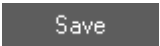
[Confirm password] Confirm password again.

3.6.2 User 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.



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

Chapter 4 Local search

Click  Local-Play button in main window to enter local search window ([Figure4— 1](#)).

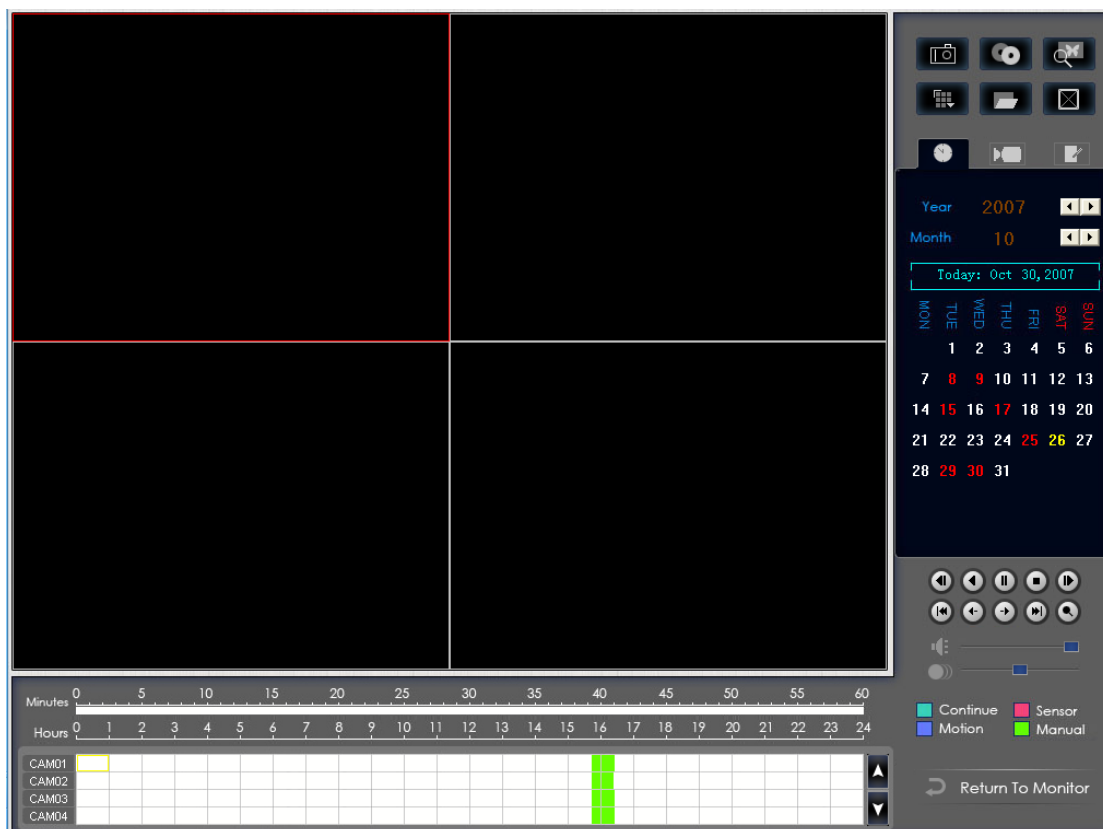


Figure4— 1

4.1 Partition mode

Press  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.

4.2 Select playback channel

4.2.1 Select date

Select one window (the 1st one in default), and then click  button to show the date ([Figure 4—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.

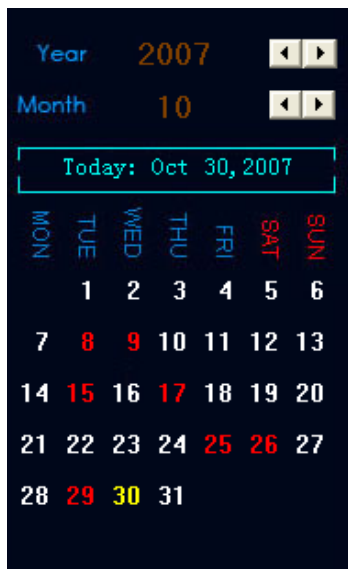


Figure 4—2

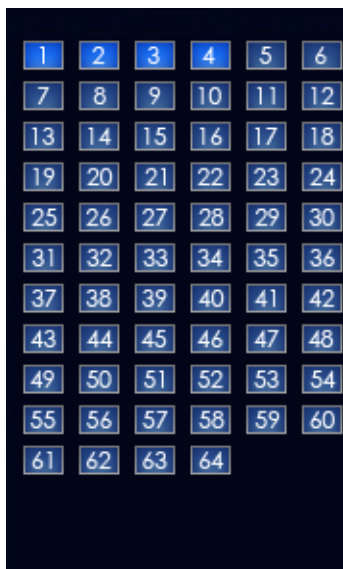


Figure 4—3

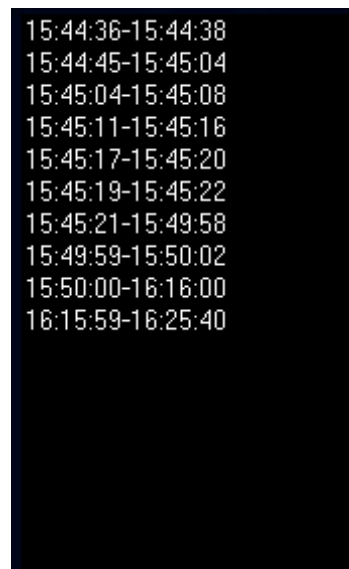


Figure 4—4

4.2.2 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 ([Figure 4—3](#)). The number button with navy blue means this channel has record data. By pressing it directly on the numerical panel ([Figure 4—3](#)), DVR system will play back recorded data from the first file.

Note:

Right-click the picture to perform image zoom function.

4.2.3 Select file

After selecting the camera to play, user can click  button to show all the files of this camera ([Figure 4—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.

4.3 Play file and related operations

 Click this button to synchronize all playback channels time.

 Last frame, Start, Pause, Stop and Next frame

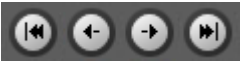
 First frame of that day, previous minute, next minute and last frame of that day

 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.

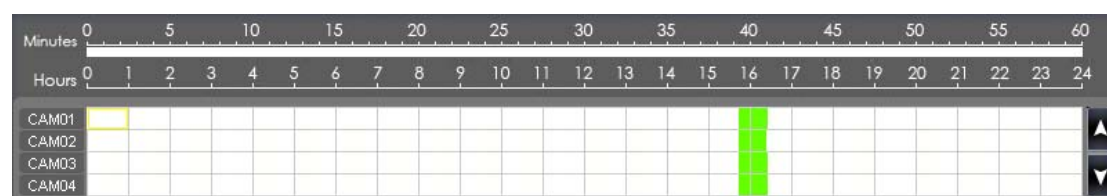
 Adjust the voice; click the button to clear the voice.

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

Note:

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.

4.4 Record data display



The above line refer to 24 hours, the bellow line refer to 60 minute, you can select different record type according to the different color

4.5 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.

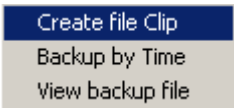
Note:

The size of the image is that of the playing window.

4.6 Create clip file

Click button , there are follow three items to select.

4.6.1 Create file clip

Press  to create file clip ([Figure4—5](#)).

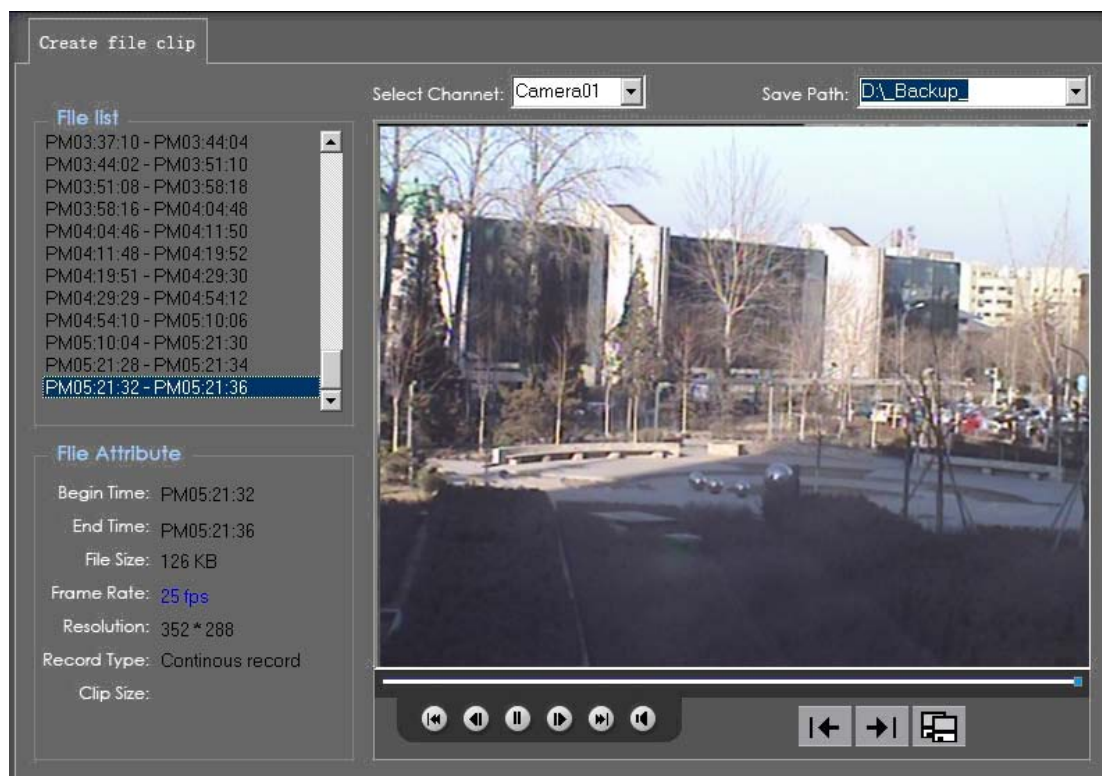


Figure 4—5

(1) Select channel and path

Select channel and path of the backup file on the top of interface ([Figure4—5](#))

(2)File list and attribute

Select a file and double-click it ([Figure4—6](#)) to play and its attribute will display below the list ([Figure4—7](#)), including begin time, end time, file size, resolution, frame rate etc.

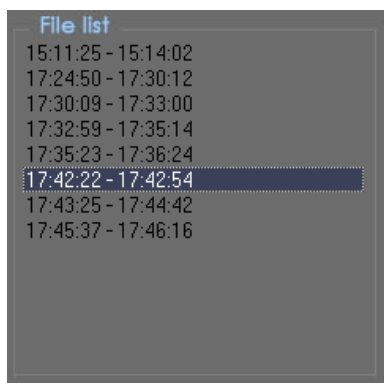


Figure4—6



Figure4—7

(3)Play file and related operations

(a) Play control

Press and drag slider on  button to control the player time.

(b) Play button



The start of the record, previous frame, Start/Pause, Next frame and the end of the record

(c) voice control

Click  to control voice, press it to clear voice.

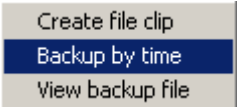
(d) Beginning and stop time setup

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.

(e) Save file

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

4.6.2 Backup by Time

Press  to backup by time ([Figure4—8](#))

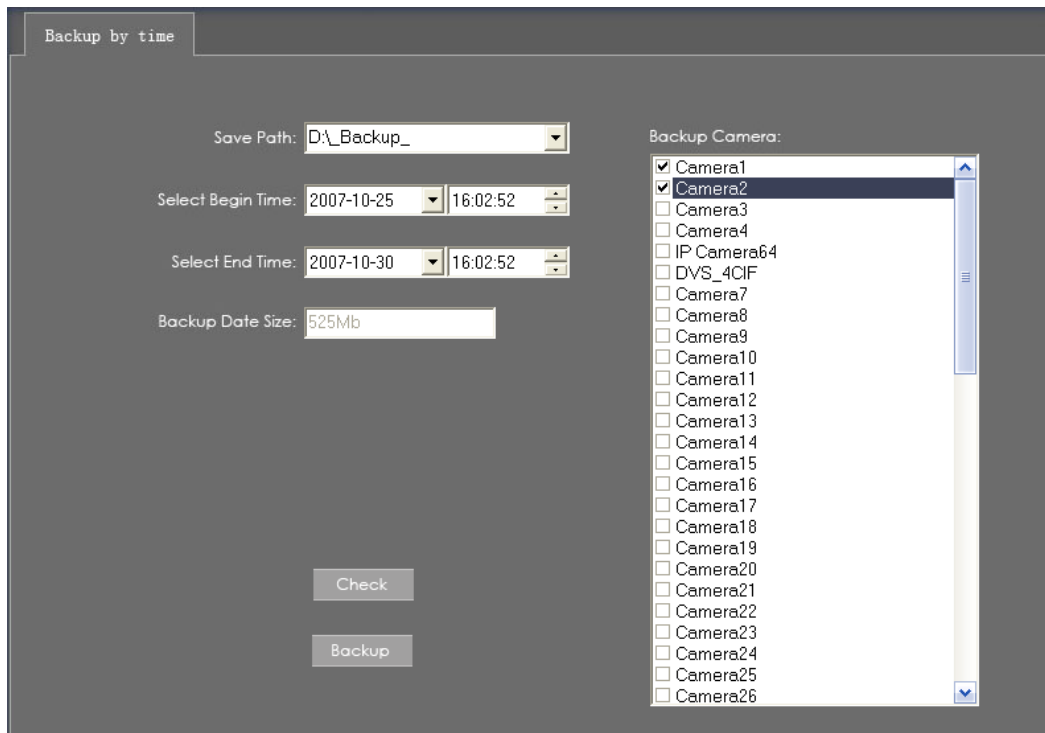


Figure4—8

[Save Path] Select path for the backup file, User can backup record file to CD.

[Backup Camera] Select the backup camera. User can select more than one camera.

[Select begin time] & [Select end time] Select the backup files' begin time and end time.

[Unite File] Select unite file enable or disable. If select disable, the record files will not unite. If select enable, all record files will be united. And you can set the maximum value of the united file.

[Backup File Max Value] Set maximum value of the united file. If the file's value bigger than this value, it will be splitted. You can check the file's value use button  to show its value.

[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 ([Figure 4—9](#)):

- 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.

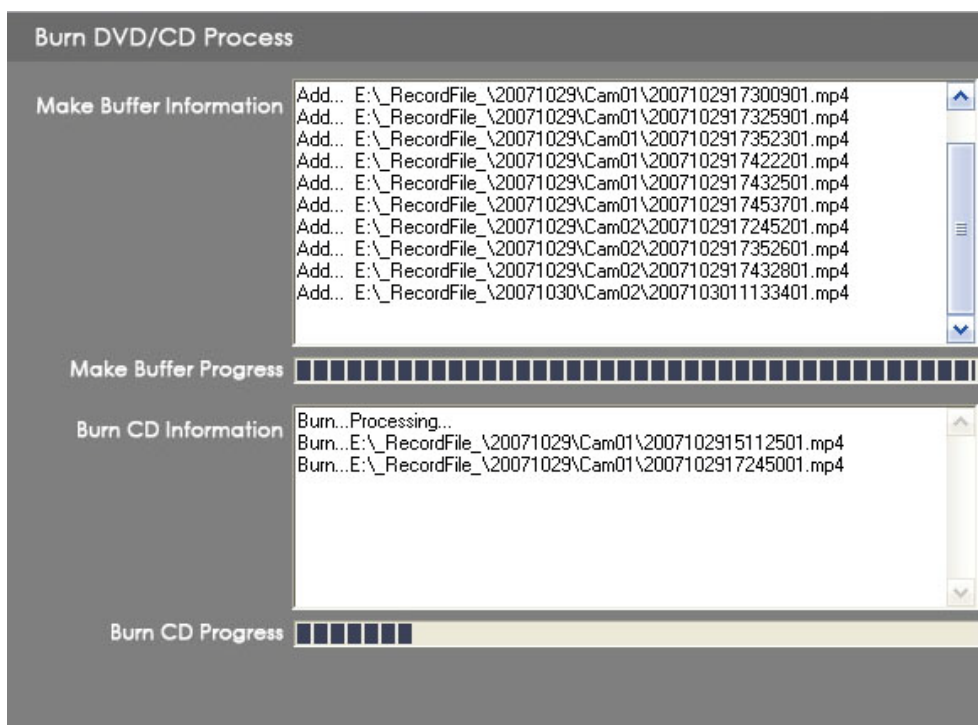
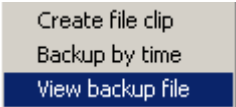


Figure 4—9

- 6) Delete buffer and temporary file.

4.6.3 View backup file

Press  to view backup file ([Figure 4—10](#))

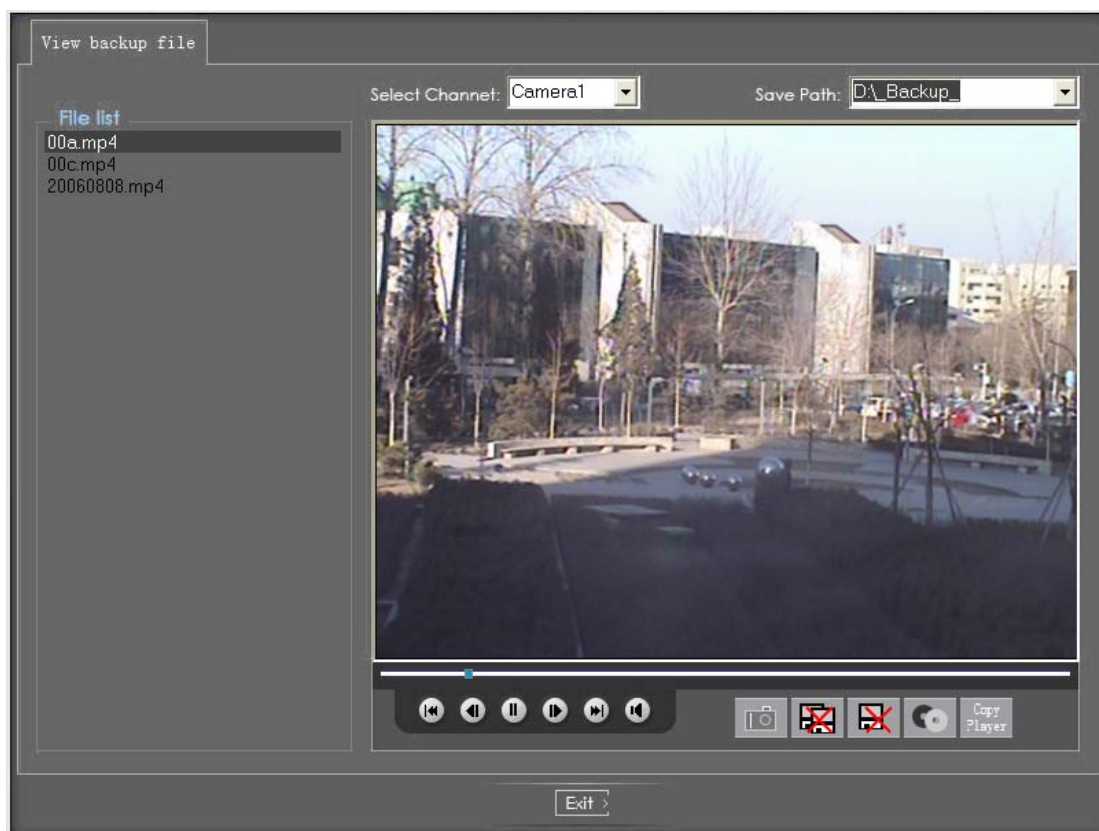


Figure 4—10

1. Select channel and path

Select channel and path of the backup file in local disk on the top of interface ([Figure 4—10](#))

2. Play file and related operations

(a) Play control

Press and drag slider on  button to control the player time.

(b) Play button



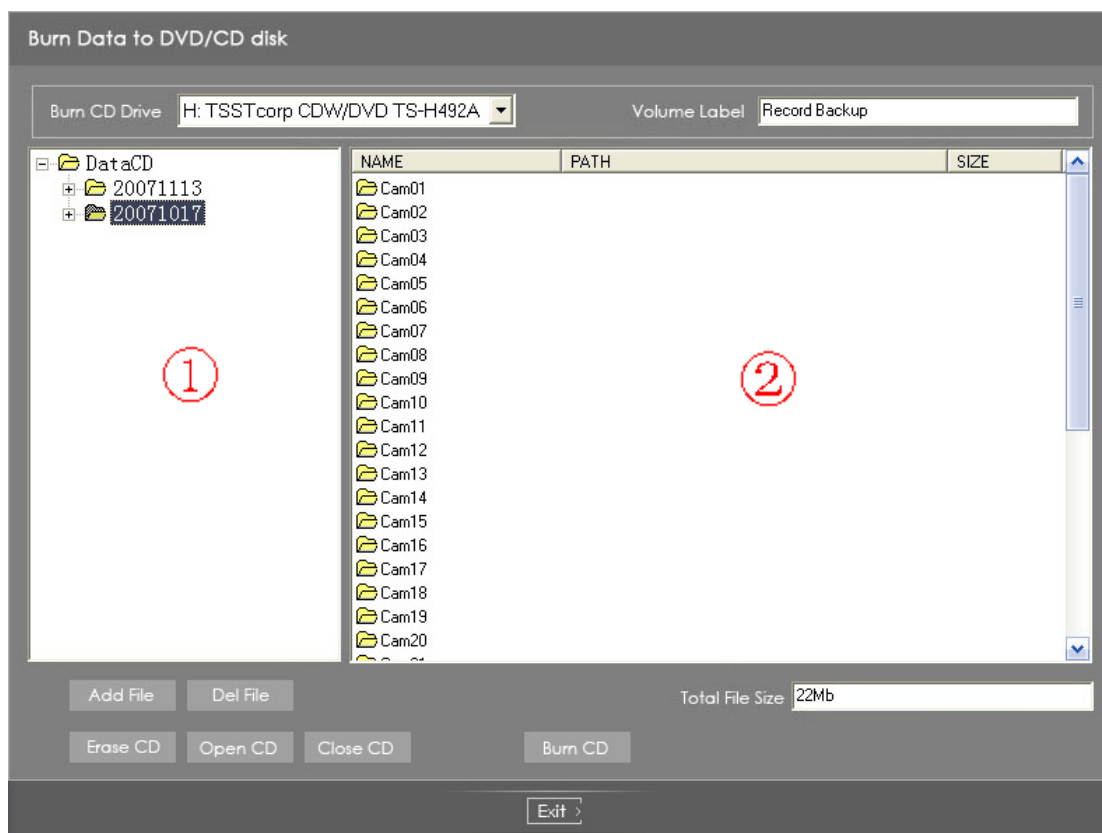
The start of the record, previous frame, Start/Pause, Next frame and the end of the record

(c) Capture picture

Press  button to capture a picture.

(d) Burn CD

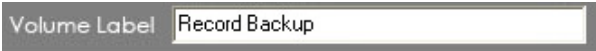
Press  button to burn CD

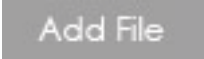


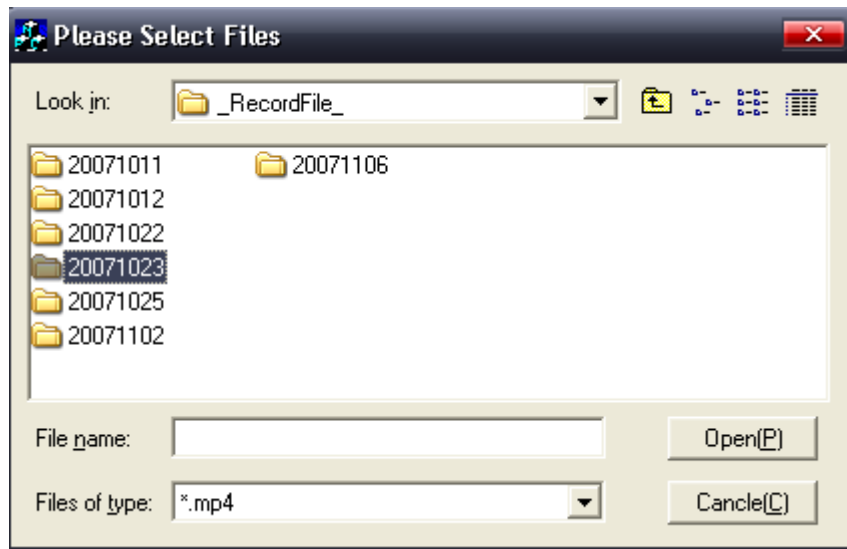
① Zone: The directory tree added which prepares to record the documents.

② Zone: The display area for added the detailed list of documents and files.

 Here to choose the equipment needed to burn.

 Here to put in the Volume Label of this Disk.

 Add the document needed to be recorded. Click this button, there popup the window for you to choose the file, as follows:



Here, can choose documents or files to add, and then click “Open”, after that, the document or files you choose will be listed on the directory tree.

Del File

Delete the added files. Select some document listed on the directory tree, then click this button, this file will be deleted clearly, including the inside folder and subfolder.

Erase CD

Erase CD. If the driver and disc are rewritable, Can delete the original data or information of the Disc through this button

Open CD

This button for opening CD

Close CD

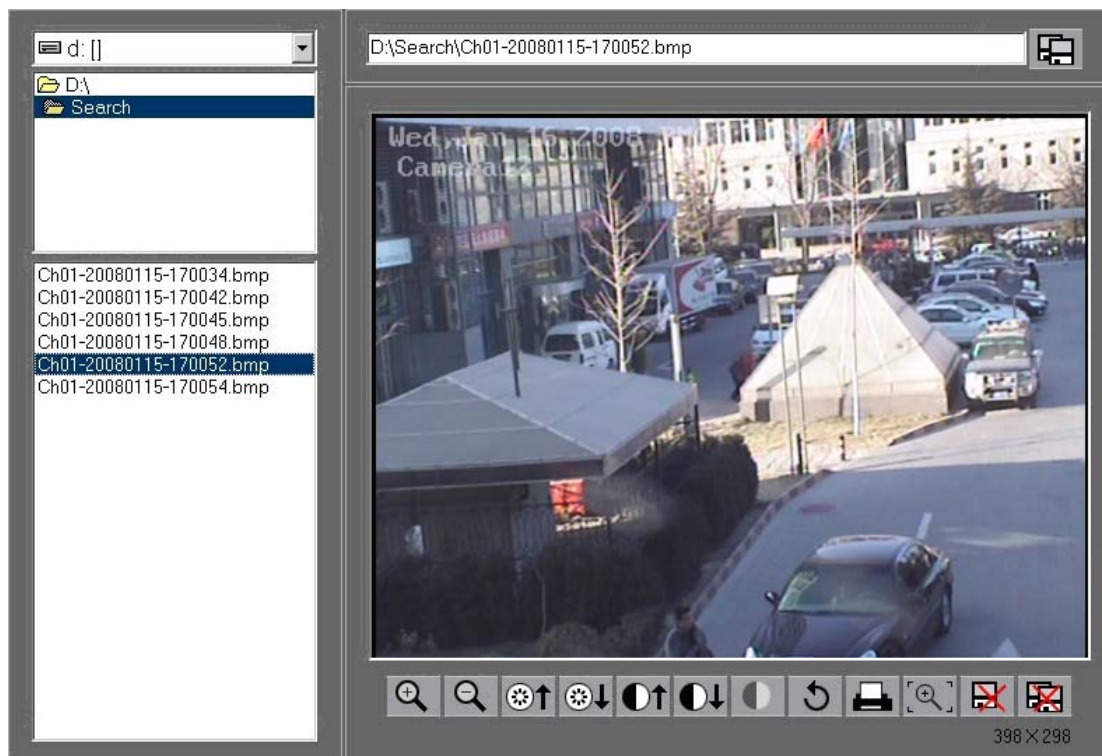
This button for closing CD

Burn CD

Begin to Burn CD

4.7 Search captured pictures

Click  to enter the search window:



1. Select pictures from directory and file list

You can select a captured picture from directory list ([Figure 4—11](#)) and file list ([Figure 4—12](#)) 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 ([Figure 4—13](#)).

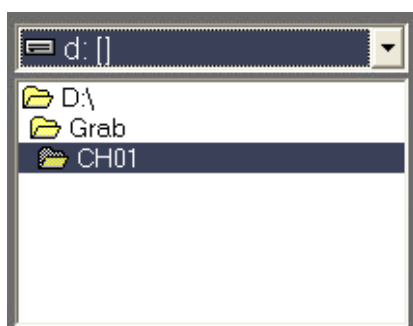


Figure 4—11

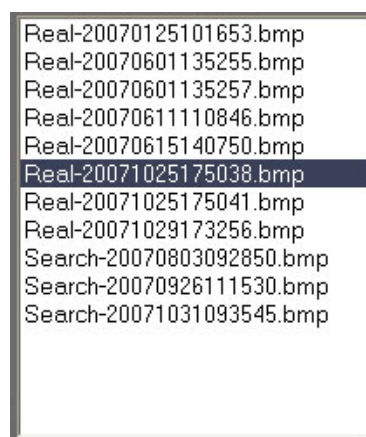


Figure 4—12

D:\Grab\CH01\Real-20071025175038.bmp

Figure 4—13

Note:

Figure 4—13 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.
- 7)  Delete all files.

4.8 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.

4.9 Return

Click  button return to main interface.

Chapter 5 Remote setup

Click  button to enter remote setup.

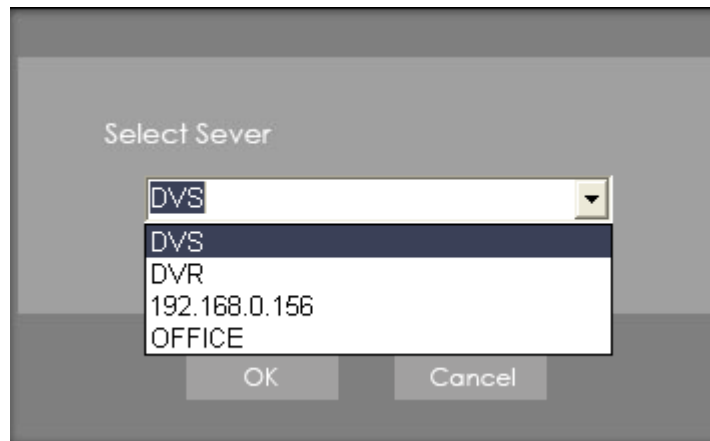


Figure 5—1

Select one server to search from the server list ([Figure 5—1](#)).

Remote setup for PC-DVR is mostly same as Local setup in **IDRS PC Based DVRs server manual**.

Remote setup for DVS and EM-DVR as follows ([Figure 5—2](#)):

Sever	Channel	PTZ	Sensor	Alarm Setup
Server Name	Embedded Net DVS			
Server Ip	123.127.244.165			
Port	8000			
Subnet Mask	255.255.255.248			
Net Gate	123.127.244.161			
Net Cable Type	10M/100M(5 cable)			
Use Pppoe	☐			
Pppoe Login Name				
Pppoe Login Pass				
Pppoe Ip	0.0.0.0			
Serial NO	DS2CD812PF0020071023AAWR100027142WC			
User Name	admin			
User Pass	*****			
DNS Server Ip	0.0.0.0			
Remote Manage Ip	0.0.0.0			
Remote Manage Port	0			
Physical Address	00:40:36:36:05:d6			
Software Ver	2.0			
Dsp Software Ver	4.0			
Hardware Ver	3341.0			

Upgrade Restart TimeAdjust Save Exit

Figure 5—2

5.1 Functional buttons

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

Upgrade

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

Restart

【Restart】 Some setting will only come into effect after device reboots.

TimeAdjust

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

Save

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

Exit

【Exit】 Exit setup.

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

5.2 Server setup

Press **Server** button to set server parameters remotely:

Server Name	Embedded Net DVS	User Name	admin
Server Ip	123.127.244.165	User Pass	*****
Port	8000	DNS Server Ip	0.0.0.0
Subnet Mask	255.255.255.248	Remote Manage Ip	0.0.0.0
Net Gate	123.127.244.161	Remote Manage Port	0
Net Cable Type	10M/100M(5 cable)	Physical Address	00:40:36:36:05:d6
Use Pppoe	☐	Software Ver	2.0
Pppoe Login Name		Dsp Software Ver	4.0
Pppoe Login Pass		Hardware Ver	3341.0
Pppoe Ip	0.0.0.0		
Serial NO	DS2CD812PF0020071023AAWR100027142WC		

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 Embedded Net DVS Enter the name description for easy identification. This name delegates the foreside server. If use DNS to get IP, this name will be used.

Server Ip	123.127.244.165
Port	8000
Subnet Mask	255.255.255.248
Net Gate	123.127.244.161

IP configuration and related: These are network configuration; you can set LAN or Internet IP according to your need.

Use Pppoe	☐
Pppoe Login Name	
Pppoe Login Pass	

Connection configuration and related parameter: 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 Ip	0.0.0.0
Remote Manage Port	0

Remote manage: Set the IP address and port of host server who will receive the message upload from foreside server

5.3 Channel setup

Press **Channel** button to set channel parameters.

The screenshot displays the 'Channel Setup' window for 'Camera 01'. The interface includes several configuration sections:

- General Settings:** Camera (1), Camera Name (Camera 01), Copy to (dropdown), Copy button, Frame Rate (All), Resolution (4CIF), Stream Type (video), Image (best), Bit Rate Type (CBR), Max Bit Rate (2048k).
- OSD Settings:** Show OSD (checked), Show Week (checked), Show Logo (checked), Privacy Mask (unchecked), Clear button, Position X (0), Y (32), OSD (Not Clarity-Not Glit), Osd Type (XX-XX-XX DMY).
- Record Schedule:** Enable Rec (checked), All Day (checked), Rec Day (Mon.), Rec Type (Timing record), Period1-4 (00:00 -> 00:00, Timing record), Copy to (dropdown), Copy button, PostRec (5s), PreRe (5s).
- Video Preview:** A live video feed from Camera 01 showing an outdoor scene with a building and trees. The timestamp '10-31-2007 Wed 15:44:05' is visible in the top left corner of the preview.

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 boxes, 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.

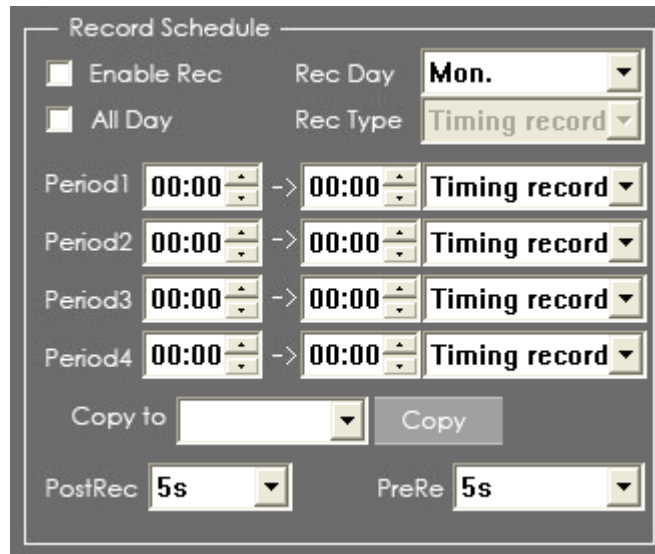
[OSD Type]Select the type of OSD for the Week.

[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.



[Record schedule]You can set record schedule in following chart ([Figure 5—3](#)).



The 'Record Schedule' window contains the following controls:

- ☐ Enable Rec
- ☐ All Day
- Rec Day: Mon. (dropdown)
- Rec Type: Timing record (dropdown)
- Period1: 00:00 -> 00:00 Timing record (dropdown)
- Period2: 00:00 -> 00:00 Timing record (dropdown)
- Period3: 00:00 -> 00:00 Timing record (dropdown)
- Period4: 00:00 -> 00:00 Timing record (dropdown)
- Copy to: (dropdown) [Copy button]
- PostRec: 5s (dropdown)
- PreRe: 5s (dropdown)

Figure 5—3**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.

5.4 PTZ control

Press  button to set PTZ

Camera Copy To Copy

Baudrate PTZ Protocol PTZ Address

10-31-2007 Wed 15:47:46
Camera 01

Preset

Focus+ Focus- Up Call
Iris+ Iris- L R Setup
Zoom+ Zoom- Dn Del

Preset Schedule

Preset Add Del

Call Time Mon. H M

Schedule Copy

date	time	preset

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.

Preset

Focus+ Focus- Up Call
Iris+ Iris- L R Setup
Zoom+ Zoom- Dn Del

Preset Schedule

Preset Add Del

Call Time Mon. 0 H 0 M

Schedule Copy

date	time	preset

< ||| >

[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.

5.5 Sensor setup

Press button to set sensor parameters.

Sensor NO

Sensor Name

Type

☐ Sensor Alarm Handling

Policy

☐ On screen warning

☐ Audible warning

☐ Upload to center

☐ Trigger alarm out

☐ 1 ☐ 2 ☐ 3 ☐ 4

Trigger Rec Camera

☐ 1 ☐ 5 ☐ 9 ☐ 13

☐ 2 ☐ 6 ☐ 10 ☐ 14

☐ 3 ☐ 7 ☐ 11 ☐ 15

☐ 4 ☐ 8 ☐ 12 ☐ 16

Preset

☐ Use

Camera

Preset

Schedule

Day

Period1 ->

Period2 ->

Period3 ->

Period4 ->

Copy to

Copy

[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).

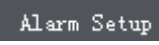
[Preset]Set camera that will move to its one preset position when the alarm happened.

[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.

[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.

5.6 Alarm setup

Press  button to set alarm parameters.

[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 detects 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 'Schedule' window with the following elements:

- Day:** A dropdown menu.
- Period1, Period2, Period3, Period4:** Each row contains two time selection fields (displaying '00:00') separated by a right-pointing arrow.
- Copy to:** A dropdown menu at the bottom left.
- Copy:** A button at the bottom right.

[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.

Chapter 6 IE client for PC based DVR

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://192.168.0.119:1180>.

6.1 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;

6.2 Main interface

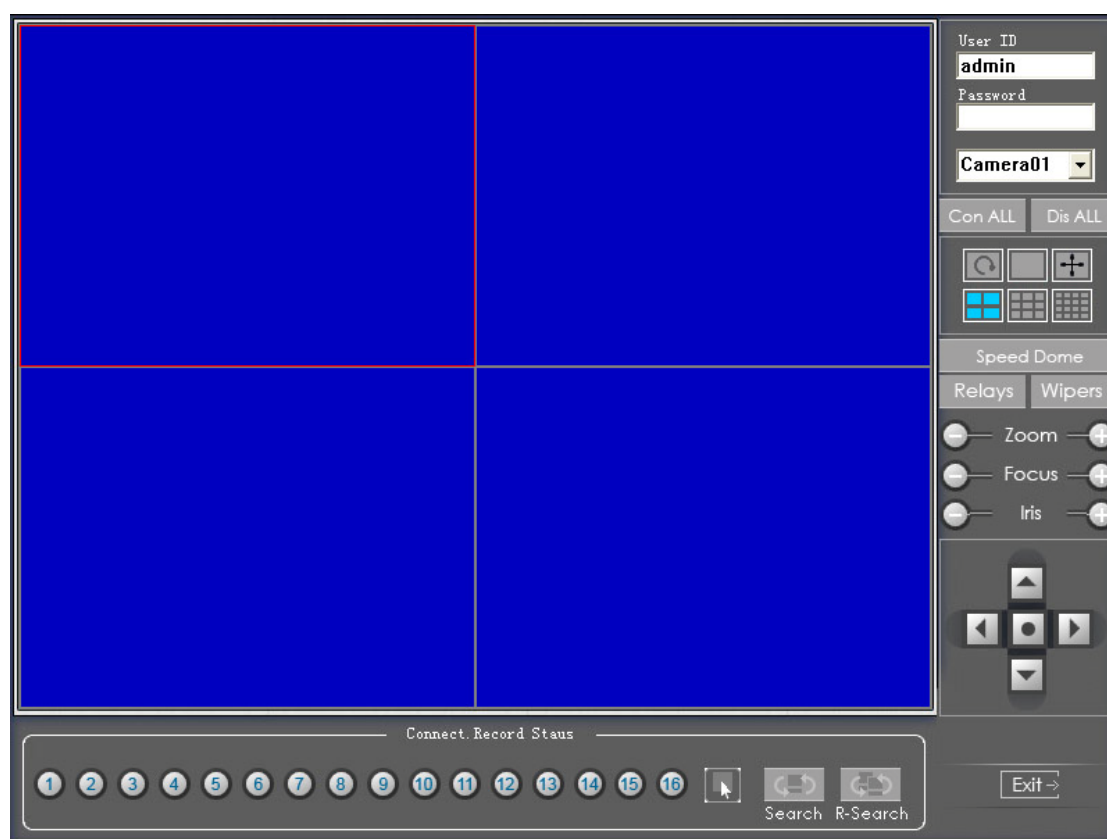


Figure 6—1

When you connect DVR Client successfully, you should input valid User ID and password in right up of the interface ([Figure 6—1](#)) to acquire rights to play video and other operations.

6.2.1 Connection/Record status



Figure 6—2

This icon ([Figure 6—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.

6.2.2 Partition mode

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

6.2.3 Connection operations

You can connect single or all cameras by pressing ; and you can disconnect single or all cameras by pressing .

6.2.4 PTZ Control

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

6.2.5 Local & Remote search

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

6.2.6 Quit program

Press  button to shut down the IE Client.

6.3 Local search

Press  button to enter local search ([Figure 6—3](#)):

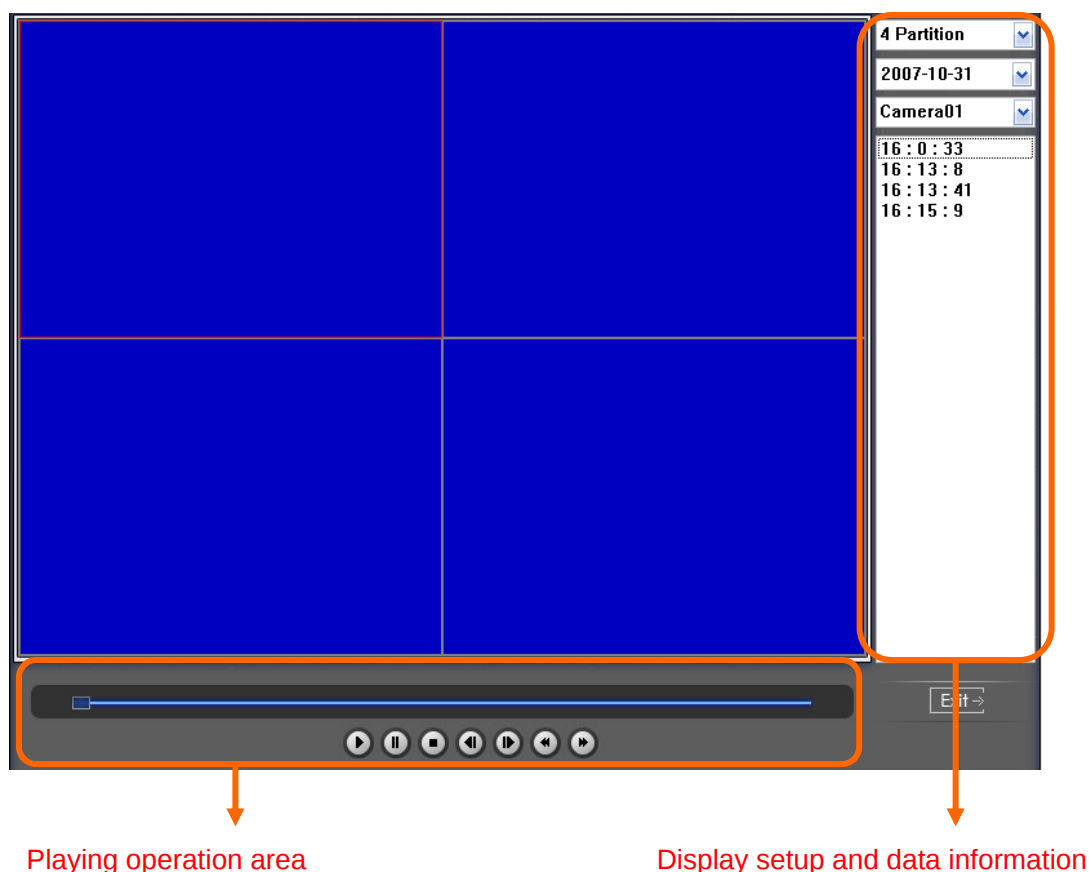


Figure 6—3

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.

Playing operation area

In this area, you can operate video playing

Video-playing time adjustment



Press and drag slider bar to adjust video-playing time

Playing-control buttons



Play



Pause



Stop

Single frame play



Previous frame



Next frame

Playing speed control



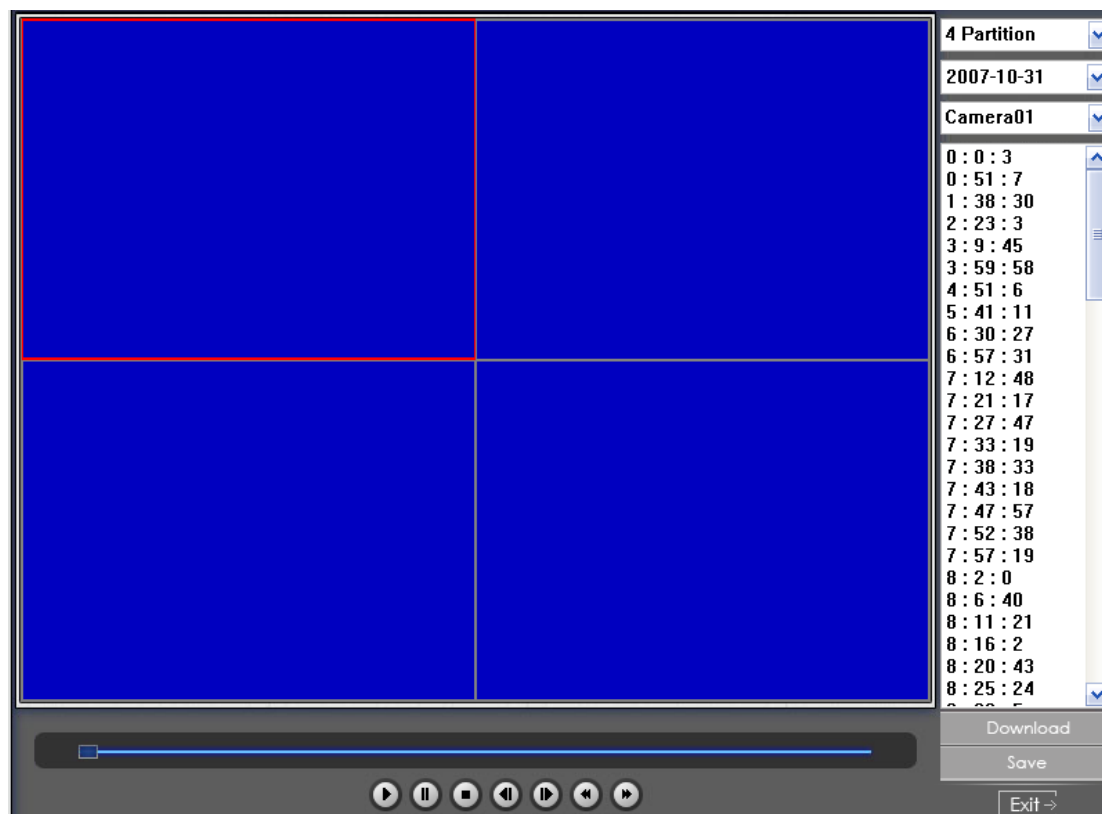
Slowly play



Fleetly play

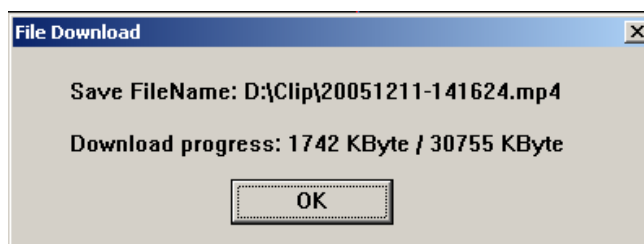
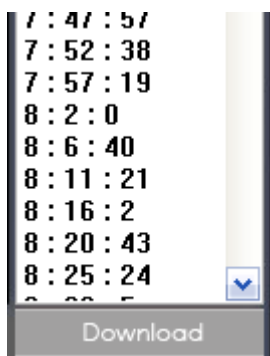
6.4 Remote search

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



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.



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:

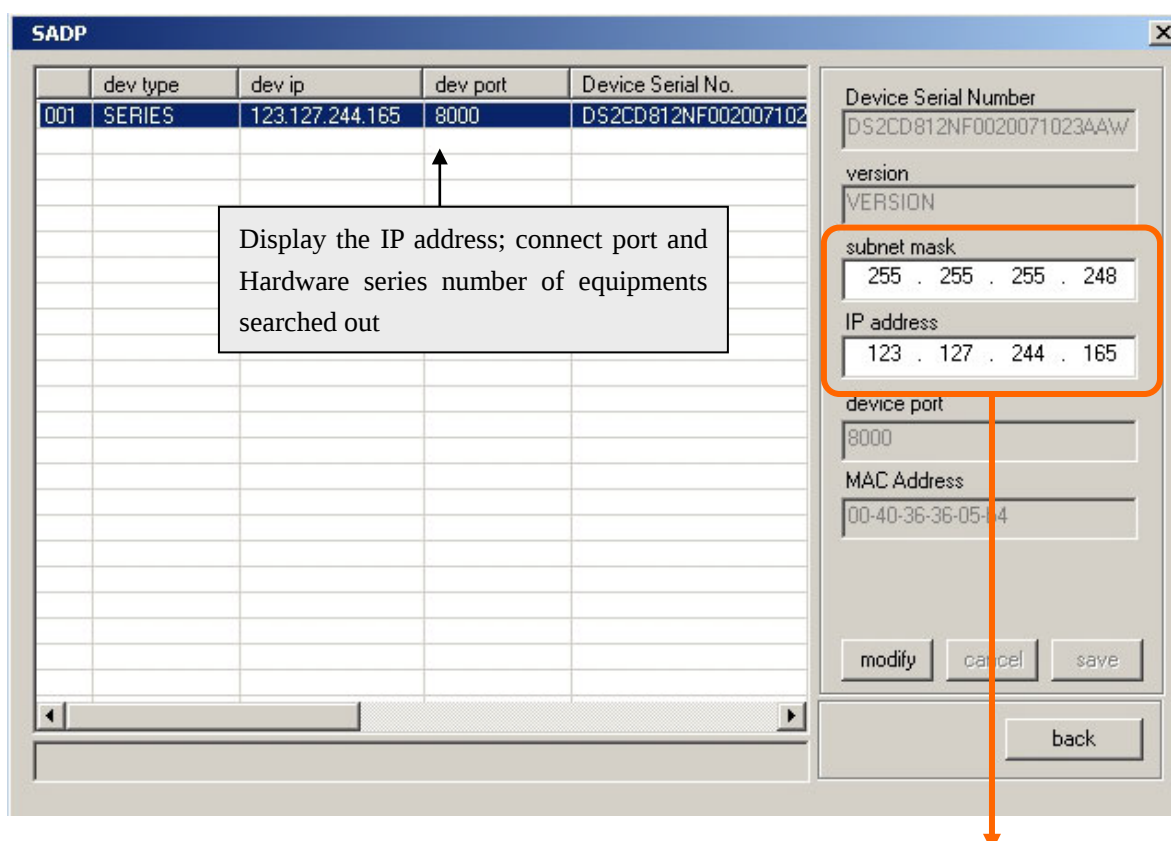
- (1) The Web server port has been used by other programs.
- (2) Your computer didn't download the player plug normally. The reason may be the jurisdiction of your computer is too high, or your computer has plug filter.

Chapter 7 IE client for IP Camera

7.1 IP Camera address search and setup

In the network camera software packages, there is a "search software SADP of IP Camera" folder, including SADP software. SADP software is used to identify and configure all the cameras' IP address and mask address in the LAN (must be in an open state). SADP software uses unique search activated equipment technology, when the user does not know or has forgotten network camera's IP address, can find it via SADP software. This software can be run in Windows2000/XP system, and needed the support from the operation of Wincap; users need to install software Wincap Package, The packages include "WinPcap_3_1_beta_3" software.

SADP is not needed to be installed, can be run directly, the software will automatically search IP cameras in the LAN after running, then displayed the cameras in the table form, as below:



Here you can change the current equipment's IP address and mask address, then input the one you want, after that, click .

Note:

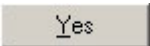
The new IP address will take effect after restarting this equipment.

7.2 Using IE browser connected network camera

When you want to connect to the network camera, only need to input the network camera's IP address in the IE Address bar, then click the "link" or the "Enter" button on the keyboard.

If it is your first time to access to the network cameras through the IE browser, the operating system will prompt you to install a plug-in, as the following picture: (Take Windows XP-as the example, basically similar to other operating systems.)



Click  to install this Active X. You need to wait different time according to different net speed. (Usually between 20-120 sec)

After installation, the page will automatically enter into the user interface to verify the users, as the following picture:

A screenshot of a web-based user interface for connecting to the NVR. It has a grey background. Fields include: 'Server IP' with the value '123.127.244.165', 'Port' with '8000', 'User ID' with 'admin', and 'Password' which is empty. There is a 'Connect Mode' dropdown menu currently set to 'MasterStream'. At the bottom are 'OK' and 'Cancel' buttons.

Inputs the corresponding connects port, the user name and password, and select the

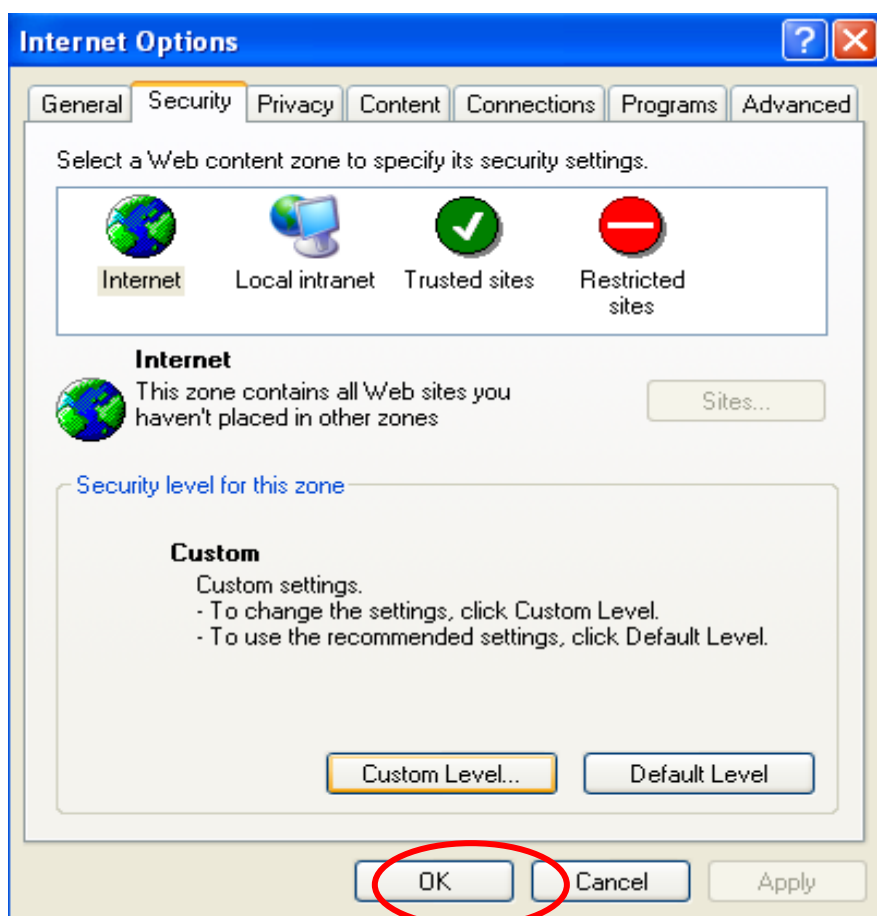
suitable stream type (Master Stream, Sub Stream. See more information: 4.3.1), after all this, click OK, and then enter the main browser interface, as below:

Default admin name: **Admin**
Default admin password: **12345**
Default connect port: **8000**

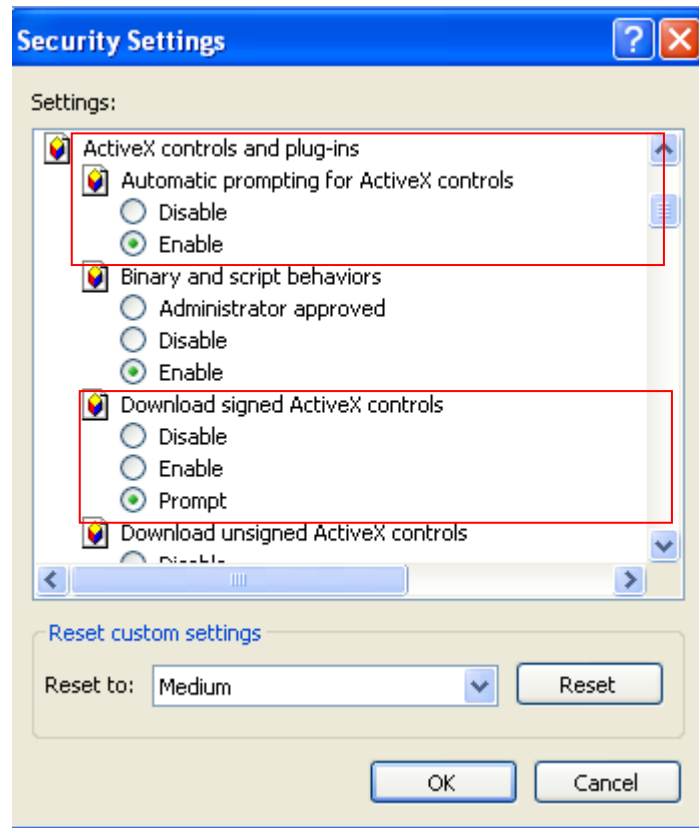
Note:

If no window displayed or no respond after clicking on the installation button, check whether there is third-party software (such as firewalls, YAHOO assistant, 3721, and other software) to restrict the installation, if there are restrictions from third-party software, please remove the restrictions, or temporarily close the third-party software or firewall. In addition, please make the following adjustments in the "IE security settings" of "Internet Options":

- 1) Click the **[customer level]**, then click **[ok]**. As below:

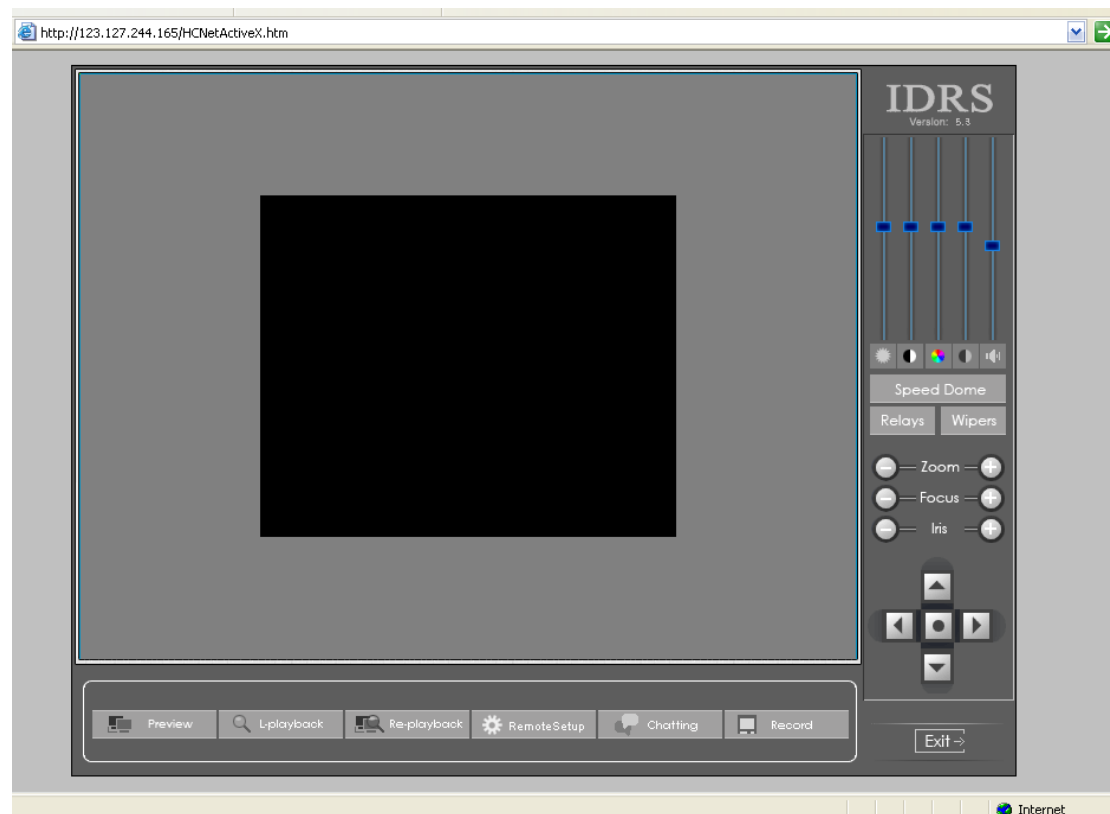


- 2) Access to security settings of pages, use the settings circled in the bellosed picture. (This picture shows Windows XP-option, Windows2000 similar to this).



7.3 Main interface

The images will be displayed automatically after entering into IE main interface. As below:



7.3.1 Image Enlargement & Smallness

You can enlarge or small the image by double-clicking left-key of the mouse.

Using the right-key of the mouse to click the image will make image size be 1024 * 768. (When the display resolution set is 1024 * 768, the image will be full of the screen, not show IE windows and display software borders, etc.)

7.3.2 Functional buttons



Press the button to connect the image, press it again to stop the connection. Access to the IE successfully, the image can be connected and displayed on the window automatically.



Press the button to enter Local Playback submenu to search local video/audio data recorded. More information: [Local playback](#)



Press the button to enter Remote Playback submenu to search local video/audio data recorded via IE by SD memory card. More information: [Remote playback](#)



Press the button to enter Remote Setup submenu to set IP camera remotely. More information: [Remote setup](#)



Press the button to connect a remote Server for a live chatting via IP address, but first, you should be sure you have installed audio card and Microphone in each PC.

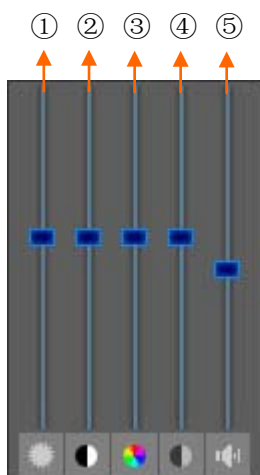


Press the button to record the IP Camera in local machine, press it again to stop recording. Record default storage channel: C:_RecordFile_\



Press the button to exit IP Camera.

7.3.3 Color and Audio adjustment



① Press the first button and drag to adjust the brightness of the image that you selected.

② Press the second button and drag it to adjust the contrast of the image that you selected value.

③ Press the third button and drag it to adjust the HUE of the image that you selected.

④ Press the fourth button and drag it to adjust the saturation of the image that you selected.

⑤ Press the fifth button to switch sound of the audio that related to the image you selected and drag the bar to adjust the volume.



Click these little icons; you can resume the default value of brightness, contrast, HUE, saturation, audio.

7.3.4 PTZ Control panel

Note:

PTZ control function only is suitable for the following situation:

- 1) network high speed Dome
- 2) network camera work with PTZ

This function will be available after setting up related protocol and Baud rate. More information: [PTZ setup](#)



Speed Dome Press this button to call the preset. It is used before the preset positions are set. More information: [Set up the preset](#)

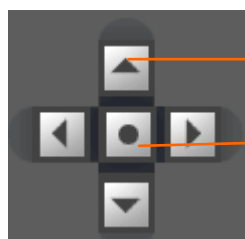
Relays Press this button to control the lights' on and off (need the support from equipped PTZ decoder, the network high speed dome do not have this function)

Wipers Press this button to control the wipers' on and off (need the support from equipped PTZ decoder, the network high speed dome do not have this function)

Zoom [Zoom + / Zoom -] Adjust zoom of Electrical zoom lens.

Focus [Focus + / Focus -] Adjust focus of Electrical zoom lens.

Iris [Iris + / Iris -] Adjust Aperture of Electrical zoom lens.



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

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

7.4 Remote Setup

Note:

All of setup will take effect after be saved and restarted.

Press  Remote Setup button to Remote Setup

Server	Channel	PTZ	Sensor	Alarm Setup	User
Server name	Embedded Net DVS			User name	admin
Server IP	123.127.244.165			User password	*****
Port	8000			DNS server IP	0.0.0.0
Subnet mask	255.255.255.248			Remote manager IP	0.0.0.0
Net gate	123.127.244.161			Remote manager port	0
Net cable type	10M/100M Self-Adap			Physical address	00:40:36:36:05:d6
Use PPPoE	☐			Software VER	2.0
PPPoE login name				DSP Software VER	4.0
PPPoE login password				Hardware VER	0.0
PPPoE IP	0.0.0.0			Http Port	80
Serial NO	DS2CD812PF0020071023AAWR100027142WC				
Upgrade Restart Format Disk TimeAdjust Save Exit					

7.4.1 Functional buttons

[Upgrade] User can upgrade IP Camera remotely. Click this button, and select the right file

[Restart] Some settings will only take effect after device reboots

[Format Disk] Format SD card in IP camera

[Time Adjust] Adjust date and time of IP Camera. The new date and time will be accordant with current computer

[Save] After setup is finished, click this button to save the setup

[Exit] Exit setup

7.4.2 Server setup

[Server Name] Name the network cameras.

[Server IP] Setup (change) the IP address of network cameras

[Port] Setup the network camera connected port.

[Subnet Mask] Setup the network camera subnet mask.

[Net Gate] Setup the network camera net gate.

[Net Cable Type] Set up net cable type.

[use PPPOE] (✓) tick means working. Use PPPOE to dial-up access to the internet (such as ADSL dial-up).

[PPPOE Login Name] The user name for setting PPPOE dial-up

[PPPOE Login Pass] The Login password for setting PPPOE dial-up

[PPPOE IP] Display the IP address after PPPOE dial-up successful, the IP address is unchangeable.

[User name] Display the user name for administrators, the name is unchangeable.

[User password] Change the login password for administrators.

Note:

Be careful for this setting. (Please remember the new password for administrators)

[DNS Server IP] If use DNS, input the DNS host IP address.

[Remote manage IP] Set up IP address of remote management main computer.

[Remote manage port] Set up the port for login remote management main computer.

[Physical address] Display the Physical address of IP Camera.

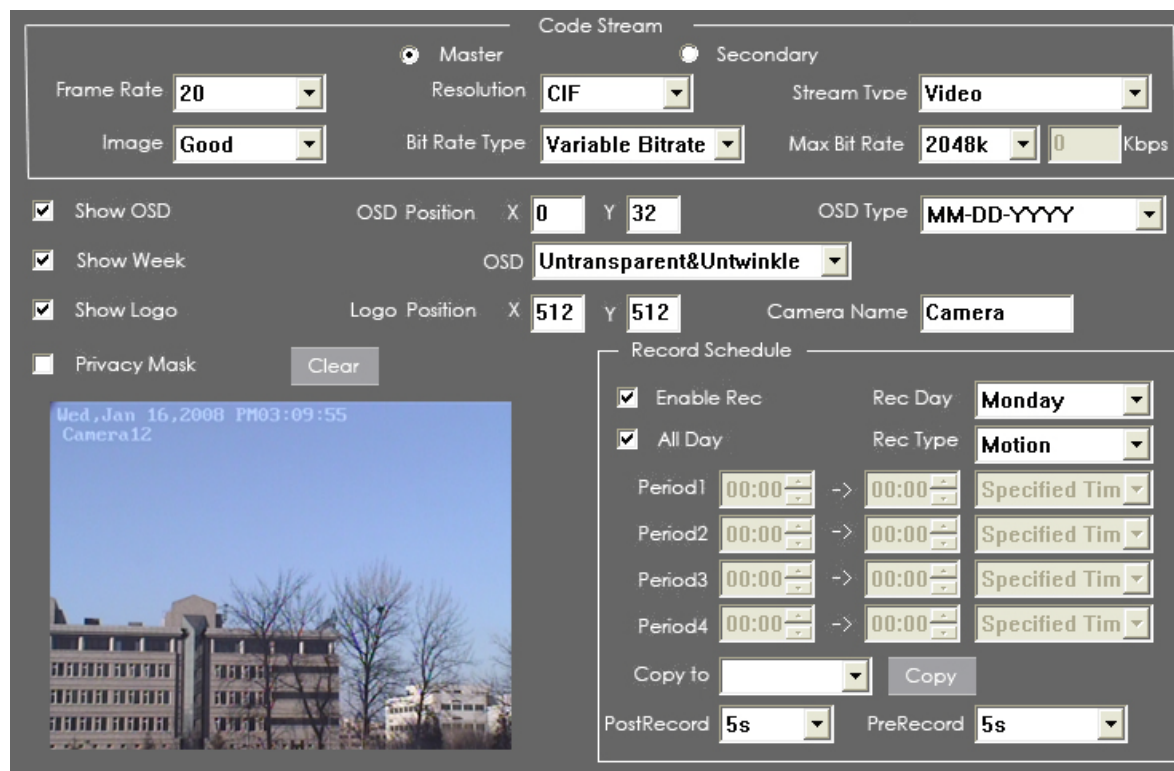
[Software Version] Display the Version of software, unchangeable.

[DSP software Version] Display the Version of DSP software, unchangeable.

[Hardware Version] Display the Version of hardware of network camera, unchangeable.

[Serial No] Display the serial number of IP camera, unchangeable.

7.4.3 Channel setup



7.4.3.1 Basic settings.

Master **Secondary** Master Stream and Secondary Stream can set two different network streams (including image quality, frame, resolution, etc), therefore, according to different situations, you can select the suitable stream type.

[Frame Rate] Set up the Frame Rate for Network cameras. ALL(real-time) , 1/16(1/16fps) , 1/8(1/8fps) , 1/4(1/4fps) , 1/2(1/2fps) , 1(1fps) , 2(2fps) , 4(4fps) , 6(6fps) , 8(8fps) , 10(10fps) , 12(12fps) , 16(16fps) , 20(20fps) selectable, the higher frame rate, the more network bandwidth needed, you can select the suitable frame rate according to network.

[Image] Setting up the picture quality transmitted by network cameras: The best, better, good, average, bad, the worst image quality. The better image quality, the more network bandwidth needed by transmission occupation.

[Resolution] Set up the resolution for camera image transmit and storage. The selectable resolution can be PAL: 4CIF (704*576), 2CIF(704*288),DCIF(528*384),CIF(352*288) , QCIF(176*144);NTSC: 4CIF (704*480), 2CIF(704*240),DCIF(528*320),CIF(352*240) , QCIF(176*120) , The higher resolution, the more clear if the bigger dimension the image, but the more hard disk space will be occupied by storage and the more bandwidth needed by transmission.

[Bit Rate Type] Setup the network cameras' rate type which is divided into the fixed rate and variable rate. When it is variable bit rate, the transmission rates will automatically changes with different intensity of the screen. More Image activities, more increased rate, vice versa. Fixed Rate will not be impacted by image activities and will be maintained at a relative stable value. If it is variable rate, network bandwidth occupation will change with the complexity of the image changes. Therefore, fixed rate will not influence the stability of network bandwidth occupation. The range of fixed rate: 45 Megabytes/Hour ~ 400 Megabytes/Hour

[Stream Type] Select video and audio or only video record.

[Max Bit Rate] Select the maximum bit rate for Variable Bit Rate (VBR) record. The selectable Max Bit Rate: 32kbps, 48kbps , 64kbps, 80kbps, 96kbps, 128kbps, 160kbps, 192kbps, 224kbps, 256kbps, 320 kbps, 384kbps, 448kbps, 512kbps, 640kbps, 768kbps, 896kbps, 1024kbps, 1280kbps, 1536kbps, 1792kbps, 2048kbps, unlimited.

7.4.3.2 OSD setup

[Show OSD] & [OSD Position] & [OSD Type] Set the position of OSD by entering the X and Y coordinate directly and Set up the date (year, month, and day).



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.

[Show Logo] & [Logo Position] set the position of Logo by entering the X and Y coordinate directly.

[Camera name] Set up textual descriptions for network cameras. You can use the location for installation or easy identification number or the representation of text to explain the network cameras. The descriptions can be overlapped on the video screen.

7.4.3.3 Privacy Mask



You can click this button to set the privacy mask on the below image directly, and you can clear some privacy masks by pressing button.



7.4.3.4 Record schedule

Record Schedule

☐ Enable Rec Rec Day **Monday**

☐ All Day Rec Type **Specified Tim**

Period1 **00:00** -> **00:00** **Specified Tim**

Period2 **00:00** -> **00:00** **Specified Tim**

Period3 **00:00** -> **00:00** **Specified Tim**

Period4 **00:00** -> **00:00** **Specified Tim**

Copy to **Copy**

PostRecord **5s** PreRecord **5s**

Recording Type:

- **Specified Time:** Real time recording within specific time without conditions
- **Motion:** Automatically record when it detects the moving object in the monitored images no moving objects, no recording.
- **Alarm:** Automatically record when it receives the alarm signal, no get alarm signal, no recording.
- **Motion | Alarm:** Automatically record when it detects the moving object or receives the alarm signal.
- **Motion & Alarm:** Automatically record when it detects the moving object and receives the alarm signal at the same time.

- **Command:** Not developed.
- **Manual:** Not developed.

[Enable Rec] Choose whether to record or not

Set up the recording plan according to 24-hour recording style, only use one recording type 24 hours, the types of recording can be selectable, but recording at different periods of time is not available.

[Rec Day] Select recording dates

You can record at different periods of time; there are 4 periods of time. Each period of time has selectable recording types, and you can not make the 4 periods of time same.

Copy one day's recording plan to other date.

When the recording type is Motion or Sensor Alarm, it also can record during some certain time after the alarm disabled. These certain time can be set: 5 sec, 10 sec, 15 sec, 20 sec, 25 sec, 30 sec or unlimited.

When the recording type is Motion or Sensor Alarm, it also can record during some certain time before the alarm triggered. These certain time can be set: 5 sec, 10 sec, 15 sec, 20 sec, 25 sec, 30 sec or unlimited.

Note:

This recording schedule is used for the front network cameras. It only can be used after the SD card is inserted into the network camera and formatted. If you need to record at the

IE client, please click



of monitoring main interface directly.

7.4.4 PTZ settings

Baud Rate **2400** PTZ Address **0**

PTZ Protocol **Pelco-p**

Med, Jan 16, 2008 PM03:09:55
Camera12

Preset **1**

Zoom+ Zoom- Call
Zoom+ Zoom- Setup
Zoom+ Zoom- Del

Preset Schedule

NO. Preset Copy to

Time **Monday** H **0** M **0**

No.	Week	Time	Preset

Cruise Schedule

NO. Preset Interval **20** Speed **5**

No.	Interval	Cruise S...	Preset

7.4.4.1 Basic settings

[Baud rate] Set baud rate according to PTZ protocol from the drop- list, selectable baud rate can be 2400, 4800 or 9600High speed dome default baud rate is 2400.

[PTZ Address] Set the address of the decoder, which must be matched with the value of dipswitch in the PTZ. Address 0-255 is selectable.

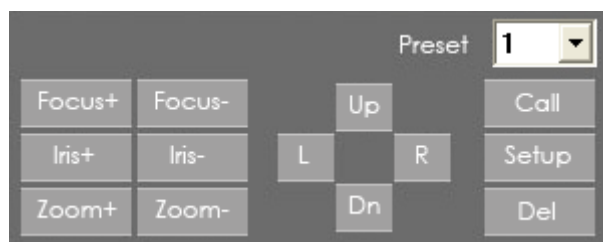
[PTZ Protocol] Select the communication protocol for the PTZ camera from drop-list. This network camera supports over 70 protocols.

High speed dome default protocol is PELCO-D (H).

Note:

You can test the PTZ and lens after set up the decoder's parameters as above figure 4-2

7.4.4.2 Set up the preset



1) Set up the preset: Adjust the PTZ and lens at the right place, then choose one preset number, then click “setup”. The preset number is up to 32.

2) Call the preset: Chose one preset, and then click the “call” button. It is used for checking the preset positions.

3) Delete the preset: Chose one preset, then click the “delete” button.

7.4.4.3 Preset Schedule

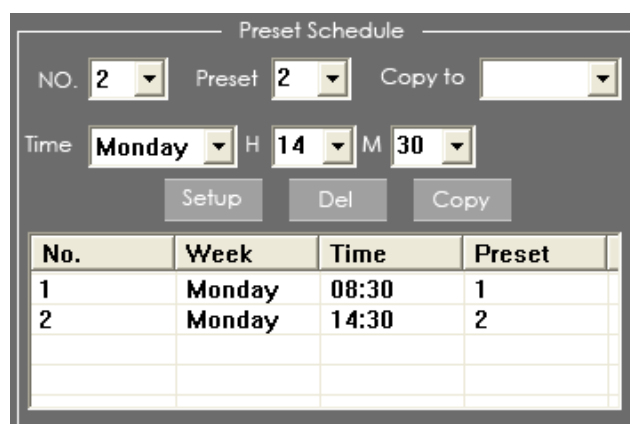


Figure 4-3



Choose the Schedule Number



Choose the preset Number



Set up the specific time to call this preset.



Copy the schedule time on other dates, firstly choose date then click  button.

Setup

Save the schedule.

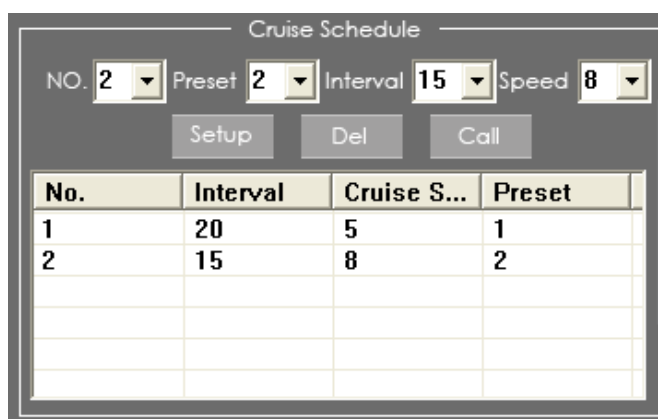
Del

Click this button to delete any item in the schedule

The method to call presets time schedule

Firstly, choose the number of this presets schedule, Secondly, choose the preset you want to call. Thirdly, choose fixed time to call the preset. Finally, click  button. Take the above image([Figure4-3](#)) as example: The PTZ will turn to Preset 2 on 8:30 AM and Preset 1 on 14:30 Monday

7.4.4.4 Setup cruise schedule



The interface shows a 'Cruise Schedule' window with the following controls and table:

NO. Preset Interval Speed

Buttons: Setup, Del, Call

No.	Interval	Cruise S...	Preset
1	20	5	1
2	15	8	2

NO.

Choose the cruise schedule number

Preset

Choose the preset number

Interval

Choose the interval time in cruise schedule

Speed

Choose the speed of PTZ and zoom for different presets during cruise.

For example:

Take the above image as sample: Cruise between Number 1 and 2 presets. The interval time is 20 Sec when cruise at the Number 1 preset, the interval time is 20 sec, when cruise at the Number 2 preset. The speed parameter of cruise Number 1 to 2 presets is 5, and the speed of cruise Number 2 to 3 presets is 8.

7.4.5 Sensor setup

[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:

Upon receiving the warning signal by alarm detector, network cameras process the alarm and image, including: monitors alarm, sound alarm, upload alarm information and images to the central management system (requires Center Management Software Support), and triggering alarm output.

Setup whether use the presets after receiving warning signals, if use, the high speed dome will automatically switch to the preset position.

DI Schedule

Day **Monday**

Period1 00:00 -> 00:00

Period2 00:00 -> 00:00

Period3 00:00 -> 00:00

Period4 00:00 -> 00:00

Copy to Copy

Set up DI time schedule. When front equipment and other alarm devices were triggered, equipment or were triggered, the network camera will automatically decide whether it is within the DI time period. If is, the network camera will deal with the alarm signal of detector in accordance with the preset protocol; if not, the network camera will not deal with that. You can copy the DI schedule to other dates.

7.4.6 Alarm Setup

Alarm Type **Motion** Level **No**

☐ Handling Current Alarm

Clear Whole Test

Wed, Jan 16, 2008 PM03:09:55
Camera12

Policy

- ☒ On screen warning
- ☒ Audio warning
- ☒ Upload to center
- ☒ Trigger alarm out
- ☒ Trigger alarm record

Schedule

Day **Monday**

Period1 00:00 -> 00:00

Period2 00:00 -> 00:00

Period3 00:00 -> 00:00

Period4 00:00 -> 00:00

Copy To Copy

7.4.6.1 Alarm Type

[Alarm Type] Select alarm type: Motion detect, Video loss and Cover Alarm

1) Motion:

Motion Alarm needs to circle one or more areas on the image. If there are the moving objects within the circled ranges, alarm will be triggered. The bigger number the sensitivity, the more sensible the motion detects. After set up, you can click "test", if the screen of the designated area turns red and flash, which represents alarm triggered within this area.

2) Cover Alarm:

When the cameras are covered on illegal purposes, the detector will send the alarm signal.

The cover range can be set, but only can be one. The sensitivity also can be set and tested after that.

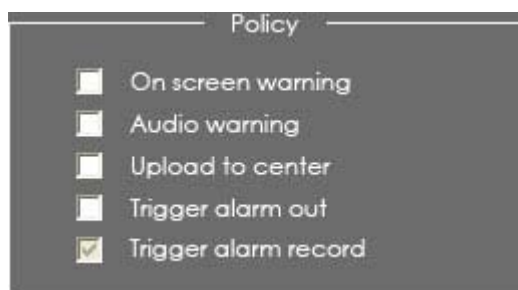
3) Signal Lost:

Whatever any reason, the warning signal will be sent only if the video signal is not connected.



The bigger number, the more sensible the motion detects.

[Policy] check “**Handling current alarm**” first, handling policies will be available as follows:



On screen warning—Display the alarm information on the monitor

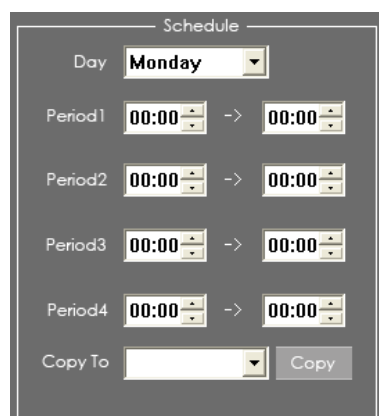
Audible warning—Indicate the alarm with voice.

Upload to DVR server—Update the alarm information to center.

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

Trigger alarm record —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).

7.4.6.2 DI Time schedule



Set up DI time schedule. When front equipment and other alarm devices were triggered, the network camera will automatically decide whether it is within the DI time period. If is, the network camera will deal with the alarm signal of detector in accordance with the preset protocol; if not, the network camera will not deal with that. You can copy the DI schedule to other dates.

7.5 Local Playback

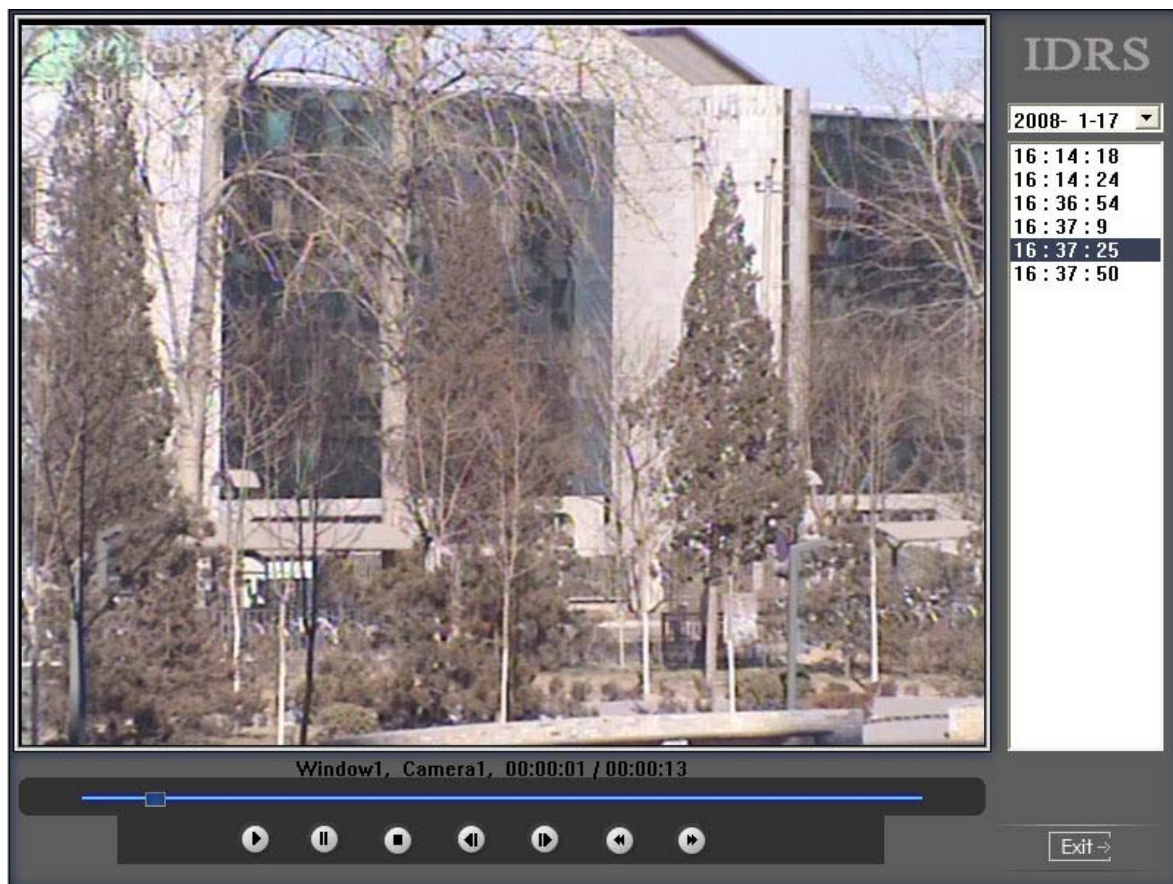


Figure5-1

2007-11-23 Choose the date of recording material to playback, after this, it will automatically list the dates of the video information, like the above chart ([Figure 5-1](#)). After the left mouse button's double-click on the selected time, it can playback the corresponding video information.

Window1, Camera1, 00:00:03 / 00:00:03 Display current window name, camera name and record data information



Progress bar



Playing-control buttons: Play, Pause, Stop, Previous frame, Next frame, slowly play, fleetly play.



Press it button to exit playback

7.6 Remote playback

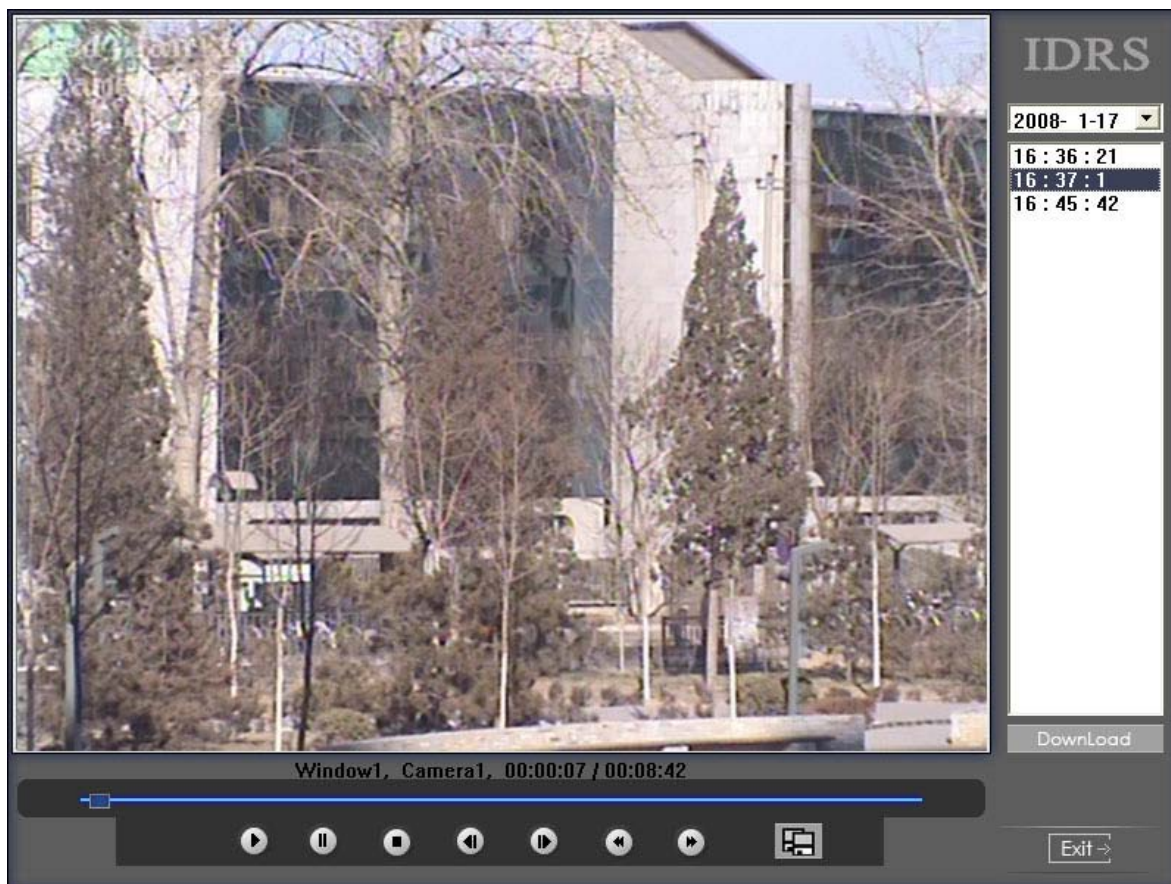


Figure 6-1

2007-11-23 Choose the date of recording material to playback, after this, it will automatically list the dates of the video information, like the above chart (Figure 6-1). After the left mouse button's double-click on the selected time, it can playback the corresponding video information.

Window1, Camera1, 00:00:03 / 00:00:03 Display current window name, camera name and record data information



Progress bar



Playing-control buttons: Play, Pause, Stop, Previous frame, Next frame, slowly play, fleetly play.



Press it button to exit playback

Download

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.



Click this button to save the Audio and Video recording material which is play backing; press it again to stop the save.

Note:

This function will be available only the SD card is inserted and recording plan is set up.