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Chapter 1   Introduction

Welcome and thank you for choosing Digital Surveillance System of wiew.

Digital Surveillance System is the perferct security solution for home,office,or other place. You can monitor live camera video indoor,and elso view the camera remotely; with the Motion Detection and I/O Alarm, intruder or any suspicious event will be recorded in digital video.

Features:

➢ Enhanced MPEG-4 Compression Technologies;

➢ Supports up to 32 Channel Cameras per PC;

➢ Video & E-Map Display Model;

➢ Camera Mask:

The Camera can be hid to the User who no view right and the recording video cann't be playback too

➢ Smart Recording Video Search Playback;

➢ Advanced Motion Detection;

➢ Networking

Support Multi-Levels Control;

Remote view and control PTZ through LAN,Internet;

Remote talk;

➢ Audio Recording;

➢ Watermark;

➢ Watchdog;

Chapter 2　System Requirements

- ✧ Intel Pentium IV CPU or above, AMD Athlon CPU or above,or compatibale CPU which supports MMX technologies.
- ✧ 256M system RAM OR above.
- ✧ Display Card: Geforce or ATI chip is recommended.
- ✧ OS: Microsoft Windows 2000 or Windows XP

Chapter 3　Capture Card & Driver Installation

Step 1: Turn off your computer power before installing video capture cards.

Step 2: Install video capture cards in open PCI slots.

Step 3: Turn computer on and Insert the software CD in the CD-ROM drive.

Step 4: Windows will recognize the new hardware as shown.

Step 5: Windows will now prompt you to let it search for the device drivers. This is the preferred method. Please click "Next".

Step 6: Windows XP will find the correct driver on your CD-ROM. (With other versions of Windows you may have to direct it to the folder that corresponds with your Operating System). Select the first driver and click "Next".

Step 7: Windows will then warn you that our driver has not passed Windows Logo Testing. Click "Continue Anyway".

Step 8: Click "Finish".

Step 9: If there is more than one card installed,repeat Step 5 to Step 8 until all drivers have been installed.

To make sure the Hardware Installation was completed properly, please check your Device Manager. You should find the correct number of Device Drivers listed under Sound, Video and Game Controllers before proceeding with Software Installation.

TIP: If Windows does not recognize one or more of your video capture cards, please do the following:
1. Clean the contacts of the video capture board with a clean pencil eraser to remove any residue.
2. If you are still having trouble, try another PCI slot.
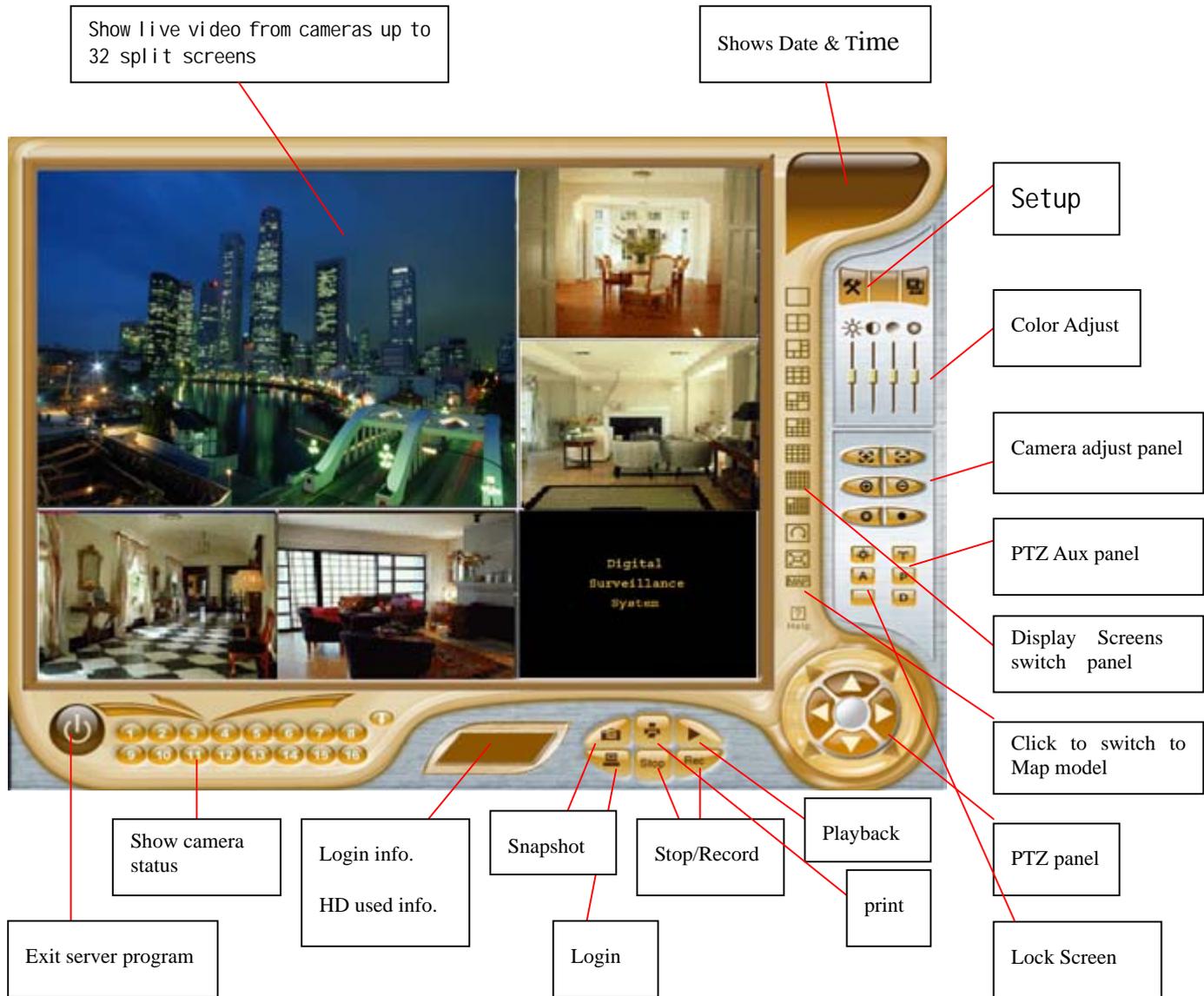
Chapter 4   Server Software Installation

Insert the software CD in the CD-ROM drive.

Double-click on the folder of [Server].

Double-click on the s_install icon to begin installation.

After rebooting your computer, you will find a shortcut for the SVDVR program in your "START" menu, listed under "All Programs". You may now run the program as desired.
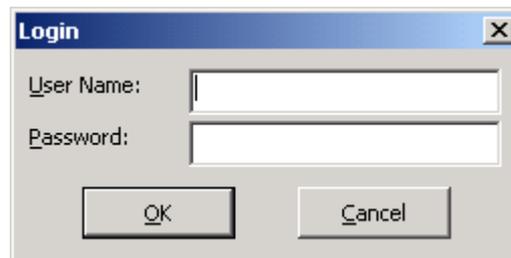
Chapter 5 **Server Software Guide**

Show live video from cameras up to 32 split screens

Shows Date & Time

Setup

Color Adjust

Camera adjust panel

PTZ Aux panel

Display Screens switch panel

Click to switch to Map model

Playback

PTZ panel

print

Lock Screen

Stop/Record

Snapshot

Login

Login info.

HD used info.

Show camera status

Exit server program

Lanuch SVDVR program,will show this image for seconds:

Then display this dialogue box:

When login ,pleas input User Name ＆ Password

The default User Name　dvr　　Password dvr

Note　The DVR has an Administrator User Name　admin　　(keeps all rights)

default Password　1234

It is recommended to change default Password to prevent all user's　rights!)

If　User Name ＆ Password input correct, Click "OK"　to login SVDVR.

◆ Split Screens:

Show live video from cameras & caption

When drag split screen, the position of split screen can be exchanged

Show E-Map

◆ Display Screen Switch Panel

There are 1　4　6　9　10　13　16　25　33 split screens mode

Auto Flip;

Full Screen

◆ Color Adjust
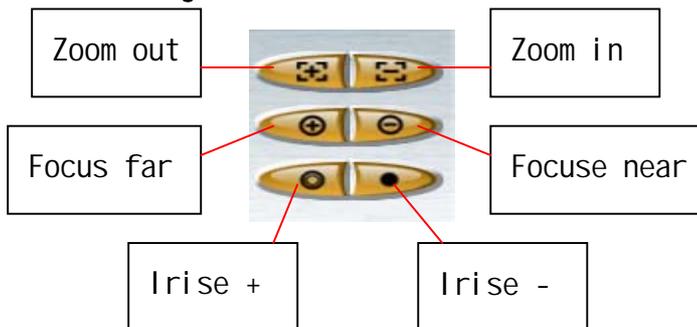
Adjustable Bright, Contrast, Hue, Saturation by Individual Camera

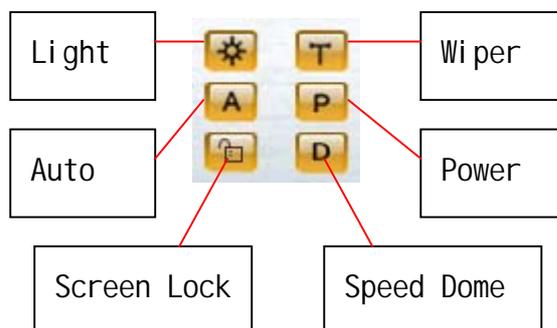| Bright | | Saturation |

| Contrast | | Hue |
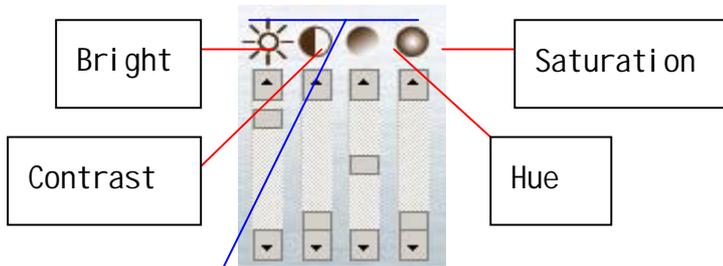
Click these icon will restore default setting;

◆ Camera Adjust Panel

| Zoom out | | Zoom in |

| Focus far | | Focuse near |

| Irise + | | Irise - |

Click the button will allow you to control it's function

◆ PTZ Aux Control Panel

| Light | | Wiper |

| Auto | | Power |

| Screen Lock | | Speed Dome |

Click the button will allow you to control it's function

Click [icon] button to lock screen, the other button in screen cann't be

selected;

To unlock , click this button once more and input correct unlocked password

The default unlocked password 1234 , you can change this unlocked password
at system setup;

◆ Speed Dome Control Panel

Click button to open Speed Dome control panel
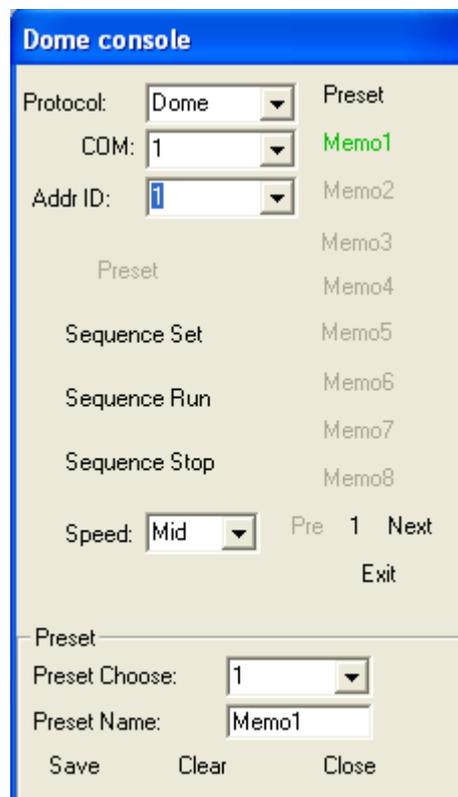
At" Protocol " to choose the speed dome model from the dropdown menu.

At " COM " to choose the communication port that your RS232 to RS485
adapter will be using. RS485 adapter connects to your speed
dome.

At " Addr ID:" to choose the speed dome ID from the dropdown menu or just
click the split screens to get corresponding ID.

" Speed:" choose Speed Dome run speed, High, Middle, Low;

.Click " Preset" to set preset

" Preset Choose:" choose preset number;

" Preset Name:" define preset name;

Control PTZ to move the camera to the your desired place;

Click " Save" to save the preset;

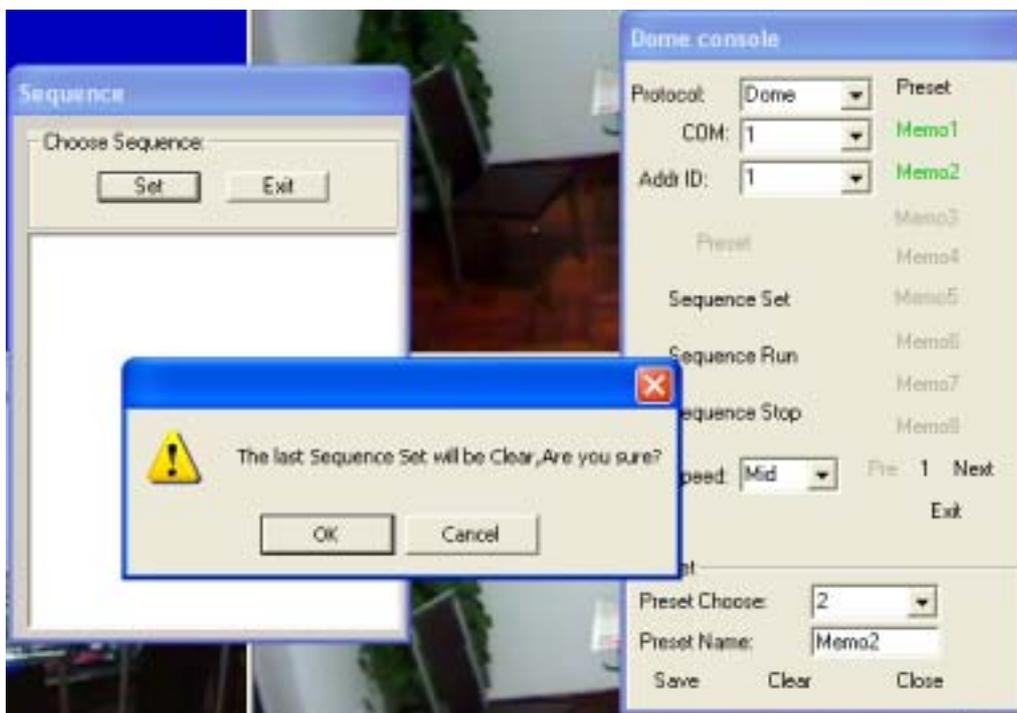Click " Clear" to clear the preset;

Click " Close" to exit Preset;
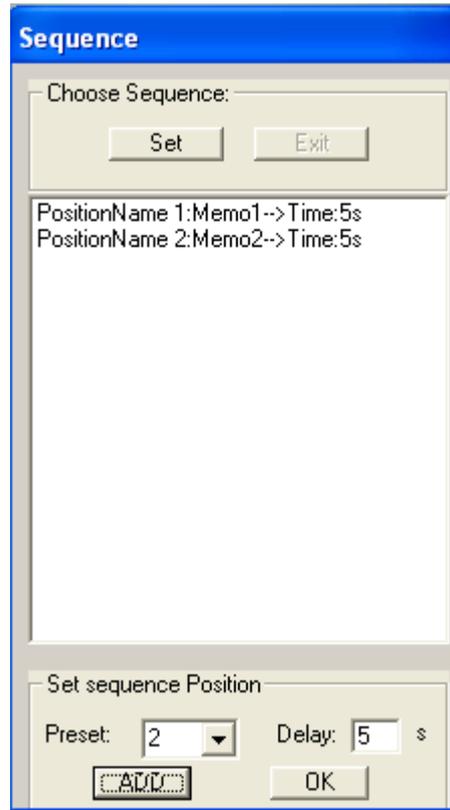
The Preset is up to 64;

The Preset will show at panel at green color, click the preset name, the Speed Dome will move to the set place;

By " Pre" and " Next" to find all the preset;

.Click" Sequence Set" to set sequence

If click " Set" button, will show message box
 " The last Sequence Set will be Clear,Are you sure?"
 click " ok" to clear all the last sequence set
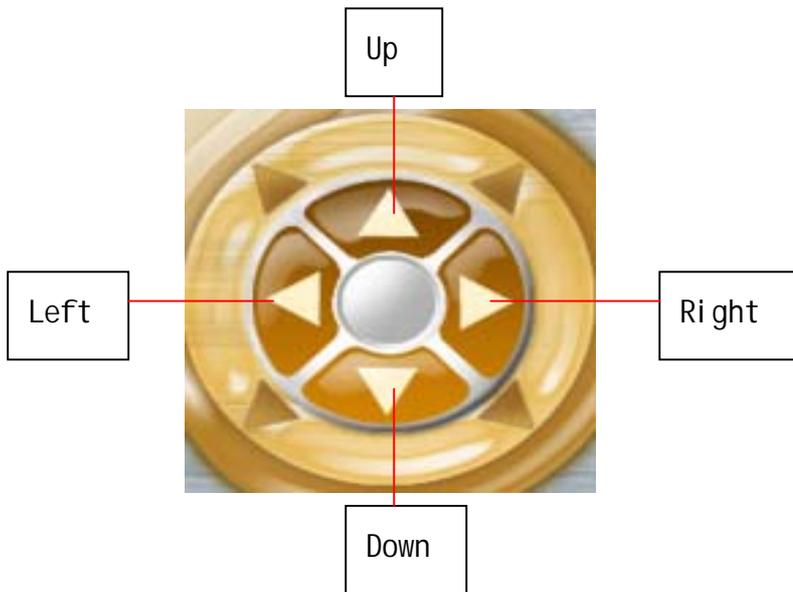   and set a new sequence set;

" Preset:"   choose the preset number ;

" Delay:"   to set delay time, default is 5 seconds

 Click " Add" button to add the choosed preset to the sequence;

Click " Sequence Run" to run the sequence;

Click " Sequence Stop" to stop the sequence;

◆ **PTZ Control Ppanel**

	Up	
Left		Right
	Down	

Click the button will allow you to control it's function

◆ **Login & Hard Disk Info**

Diplay the User Name and Login status;

Shows the used space % on all the selected hard drives;

When put mouse at here will show:

Used space: XXXXX MB Remain space XXXXXX MB

◆ Display E-Map Model

Click MAP button to switch to show E-Map, the MAP icon color change to

" white" , click MAP button once more to convert to video split screen

model, the MAP icon color restored.

If Motion Detect or I/O Alarm trigger,the corresponding camera caption

color will become red & glint!

glint time is same as alarm delay time set at system setup

◆ Camera Status Show

Green the camera is at monitor status;

Red the camera is at recording status;

Yellow the camera is at motion detect status;

Purple the camera is at I/O alarm status;

Red Yellow glint the camera is at motion detect status and recording;

Red Purple glint the camera is at I/O alarm status and recording;

◆ Control Panel：

Click button to Log in or Log off；

When login success this icon turns"white" ,if click this button once more will log off；

Click button to snapshot the selected camera,the image save at the

SVDVR install directory [Pics] folder

Click button to show the latest snapshot image and to print.

Click button to playback recorded video files.

Click "Rec" to force recording the selected camera；

Click "Stop" to stop the forced recording of the selected camera；

If Motion Detect recording or Alarm recording ,the "Stop" invalid ；

These function just valid to Login User who has "Force record/stop" right.

If there is remote Client connect to this Server this. icon turns

"white" click this button will show remote Client's PC IP

System Setup

Clickbutton to enter system setup

- General

✧ **Disk Manager**

Click " Edit" button shows dialogue box like this:
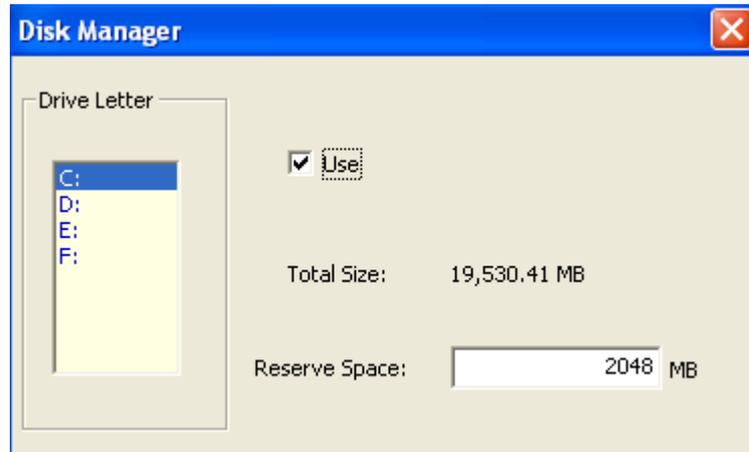
Select hard disk drivers to record which Putting a check in Used box;

Reserve Space: when remaining hard disk free space equal this setting,

the recording will be overwrite, the default setting is 2048MB.

✧ **Record Schedule:**

File Length the one recording file's Max time default time 10minutes

Alarm all day when select this item,no matter what the status of record
base on is,if I/O Alarm trigger, will record;
When deselect this item, if I/O Alarm trigger,only when
the status of record base on is I/O Alarm, will record;

Click" Edit" button to setup record schedule
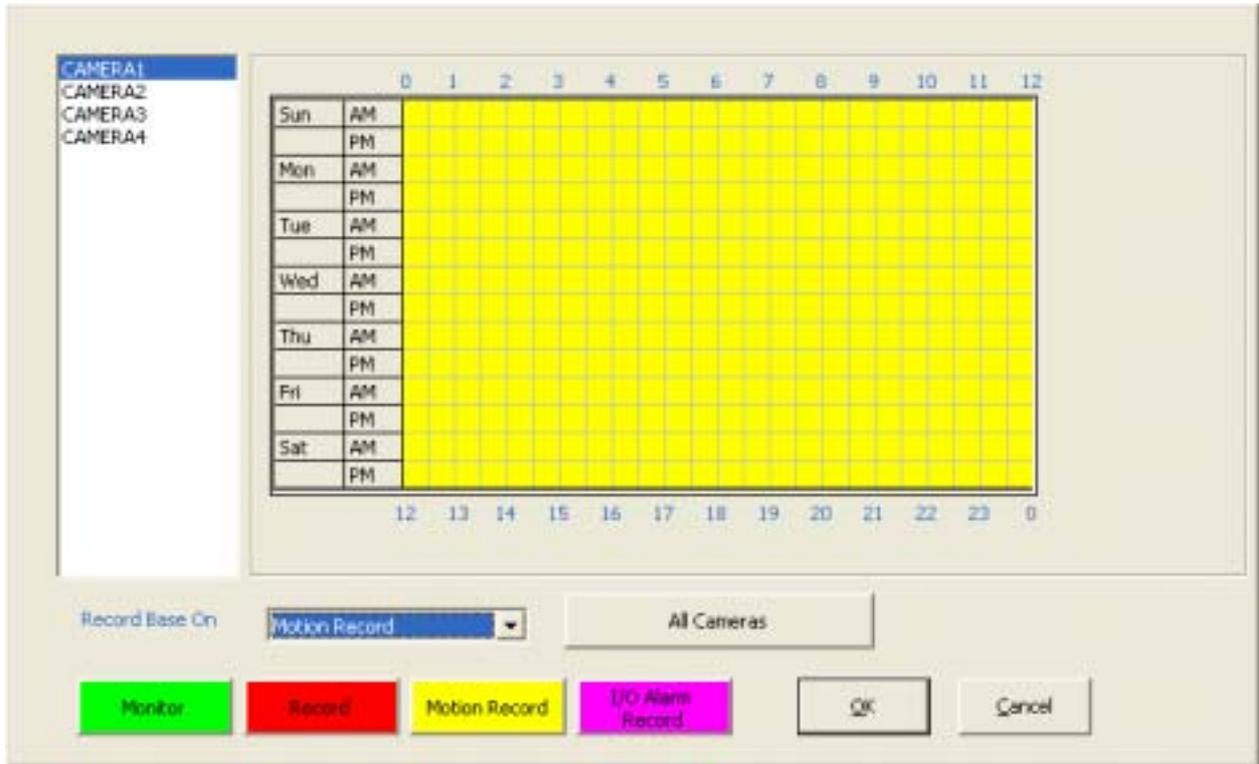
You can set up schedule and status of individual camera or all from Sunday to Saturday , 00:00 to 24:00 every half of hour;

.Record Base On

Choose status of camera from this dropdown menu

" Monitor" : 24 hours a day and every week as monitor status;

" Record" 24 hours a day and every week as record status;

" Motion Record" 24 hours a day and every week as record only if motion
is detected status;

" I/O Alarm Record" 24 hours a day and every week as I/O Alarm trigger
the camera to record;

" Bank Record" from 8:00 AM to 6:00 PM every week as " Record"
status,theother time as " Monitor" status;

.The Means of Color

Green at the time as " Monitor" status;

Red at the time as " Record" status;

Yellow at the time as " Montion Record" status;

Purple at the time as " I/O Alarm Record" status;

After set up one camera schedule & status,if the other cameras have same schedule & status, will get just clicking " All Cameras" button ;

Click " ok" to save the setup, or click " Cancel" button to cancel.

✧ Auto Flip:

Auto Flip Interval if select 0 second, not auto flip;

Auto Log off if putinng check in this box,the current user will be auto log off 5 minutes later all the cameras display on screen will be hid,but the schedule & status not changed;

.Caption Color:

Show Camera Caption if putinng check in this box will show the camera caption on split screen;

Back Color the background color of Caption;
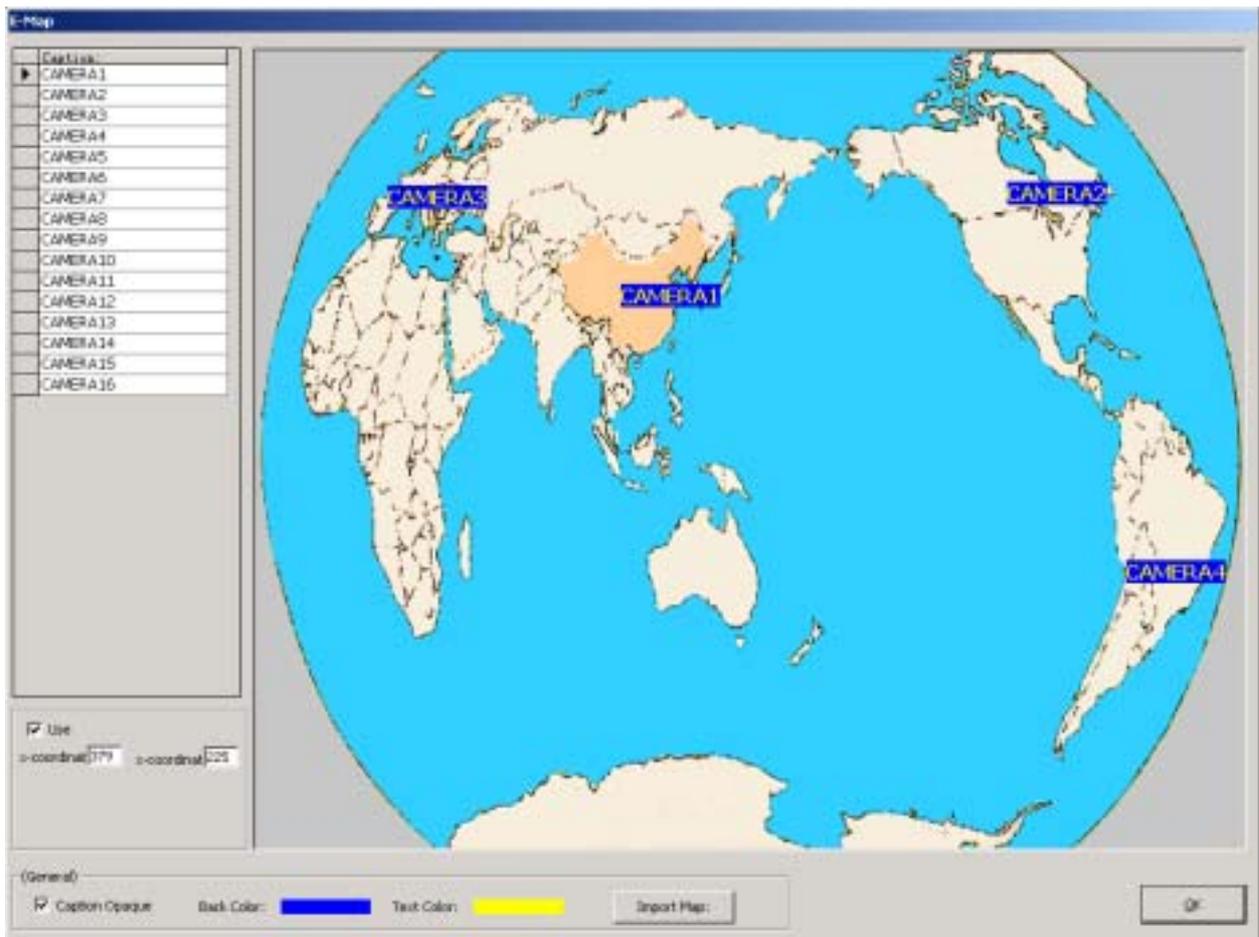
Text Color the text color of Caption;

Focus Color when the camera be selected,the background color of Caption;

Click the color bar to change the corresponding color.

.E-Map:

Pop_up map on alarm if putting check in this box the E-Map will show when I/O alarm trigger ;

Click" Edit" button to edit the e-map

Select a camera at Caption if let the camera show on map,just put check in the
"Use" box;

Press the left button of mouse to drag the camera Caption on map to your desired
place;

    Caption Opaque putting check in this box, will show the caption background
                    color;
    Back Color the background color of Caption;
    Text Color the text color of Caption;
    Click"Import Map" button to replace map image,
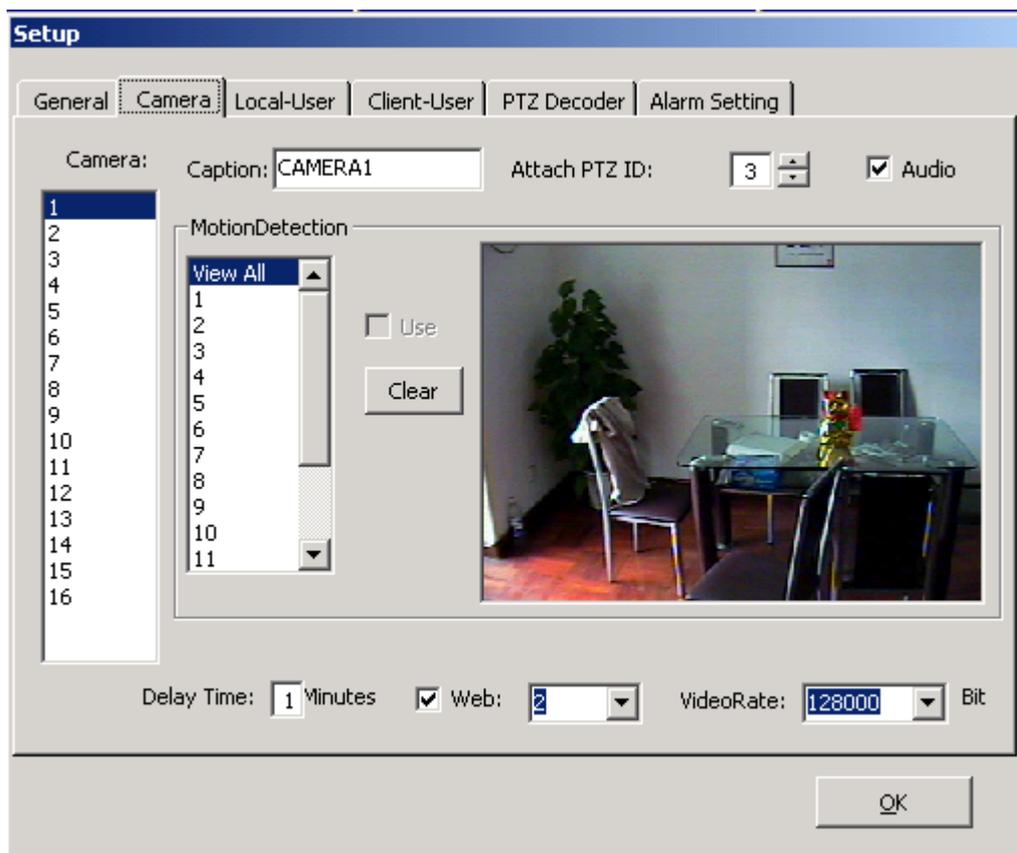   The map image must be : bmp jpeg , image size : 800X600 Pixes

.Set Card:

Card No.   choose the card number from dropdown menu;

Set Num   one XV-100 card support 1 to 4 cameras, you can set how many

cameras connecting to one card at here;

Video Model you can choose the camera's format : PAL or NTSC

Video Size Default is 320 X 240

● Camera

Camera: select the camera number to set up;

Caption define the camera's title;

Attch PTZ ID choose corresponding PTZ decorder ID;

Audio putting check in this box will record 2 channel audio which input

from audio card (left & right channel) corresponding to camera

number 1 and number 2 ;

Motion Detection

Select a camera number and click "View All" to show all drawing Zone;

Select Zone number from 1 to 16, you can draw up to 16 individual zones.

Draw zones by clicking on the picture and dragging with the left mouse

button. Putting check in "Use" box to enable the zone.

As you enable zones, be sure to set the sensitivity for each zone to

meet your specific needs.

Click "Clear" button to clear the drawing Zone.

sensitivity the sensitivity rate from 1 to 100, 1 is most sensitive;

Delay Time delay recording time after Motion Detection or I/O Alarm

trigger stop,the default time is 1 minute;

● **Local User**

Administrator

User Name admin

Default Password 1234

If input correct Password at " Old PWD:" , you can change a new password
   at " Password:" ;

At User Name ,you can add, delet and modify user;
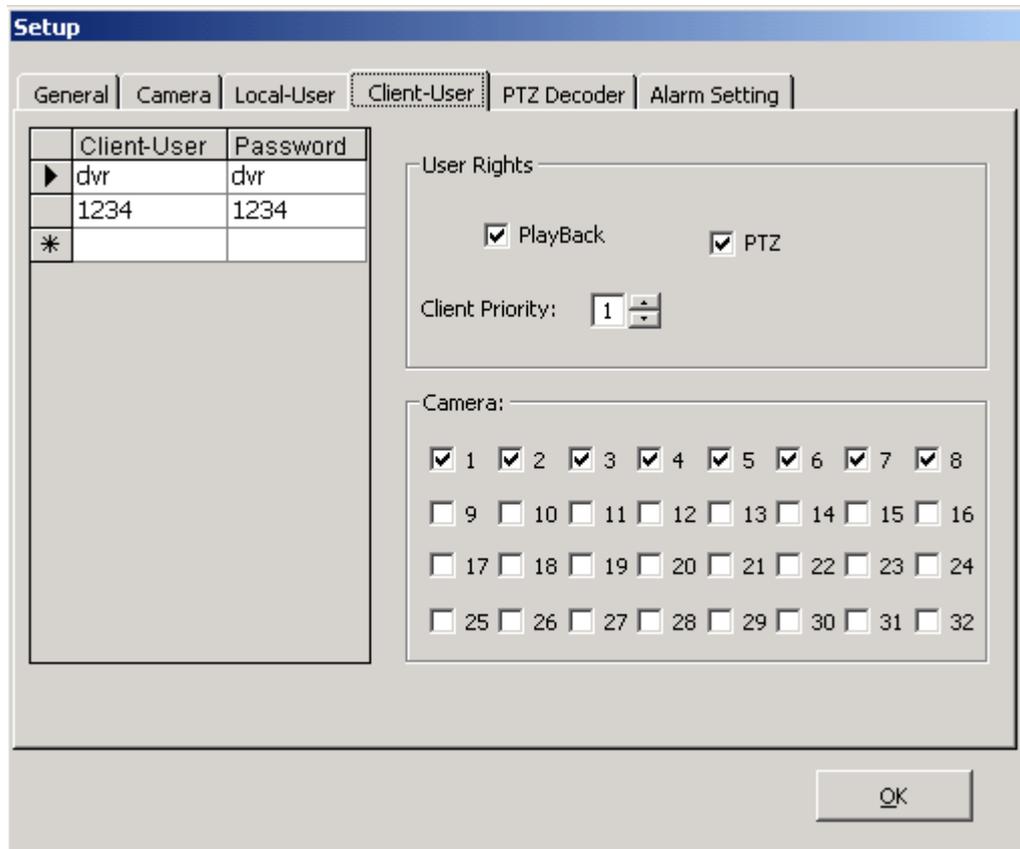

User Rights:

Select a user , you can modify the user rights by putting check in/off
   corresponding box;

Deselect to Hide Camera:

If deselect the User's camera number, the corresponding video will not
   show on split screen, but the camera schedual & status not changed;

When this User login , he/she cann't view the hide camera's recording
   playback;

Scr lock PSW set screen unlock password default password is: 1234;

● Client User:

At left side " Client-User, Password", You can add, delet and modify Client-User & Password;

User Rights:

If select Playback, the Client-User can view Server's camera recording files remotely;

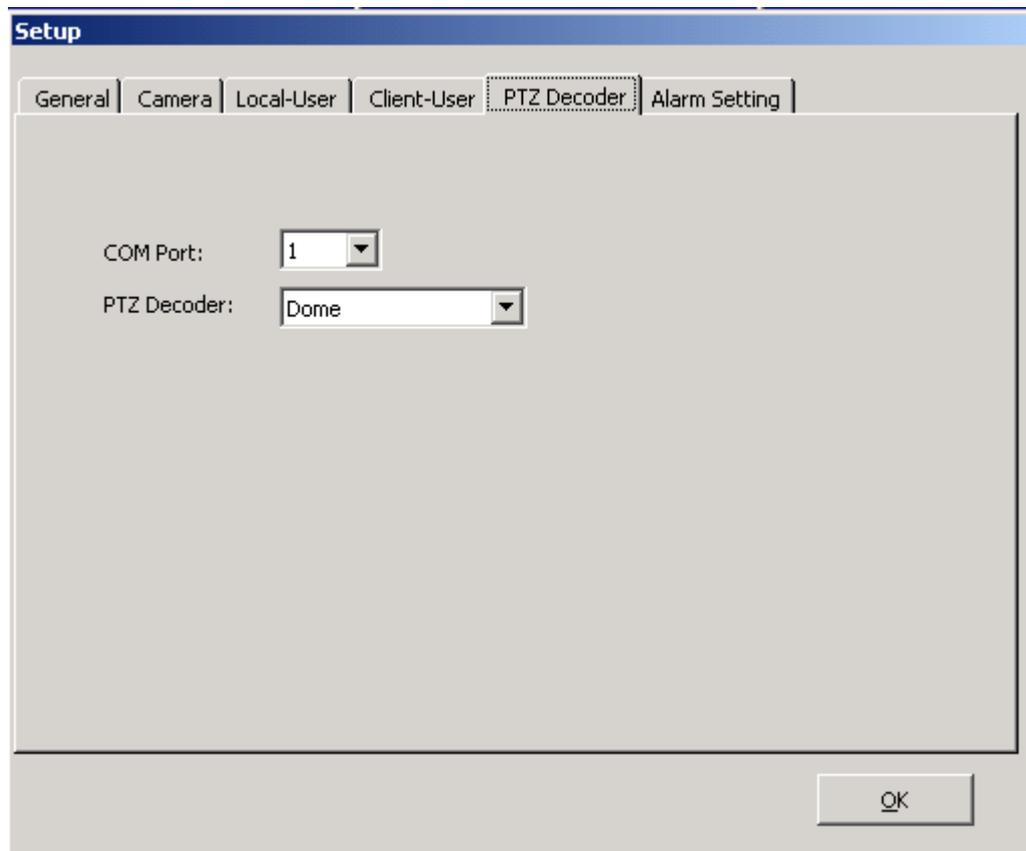If select PTZ, the Client-User can control Server's camera PTZ remotely;

Camera:

If select the camera number, the Client-User can view this camera remotely;

Client priority:
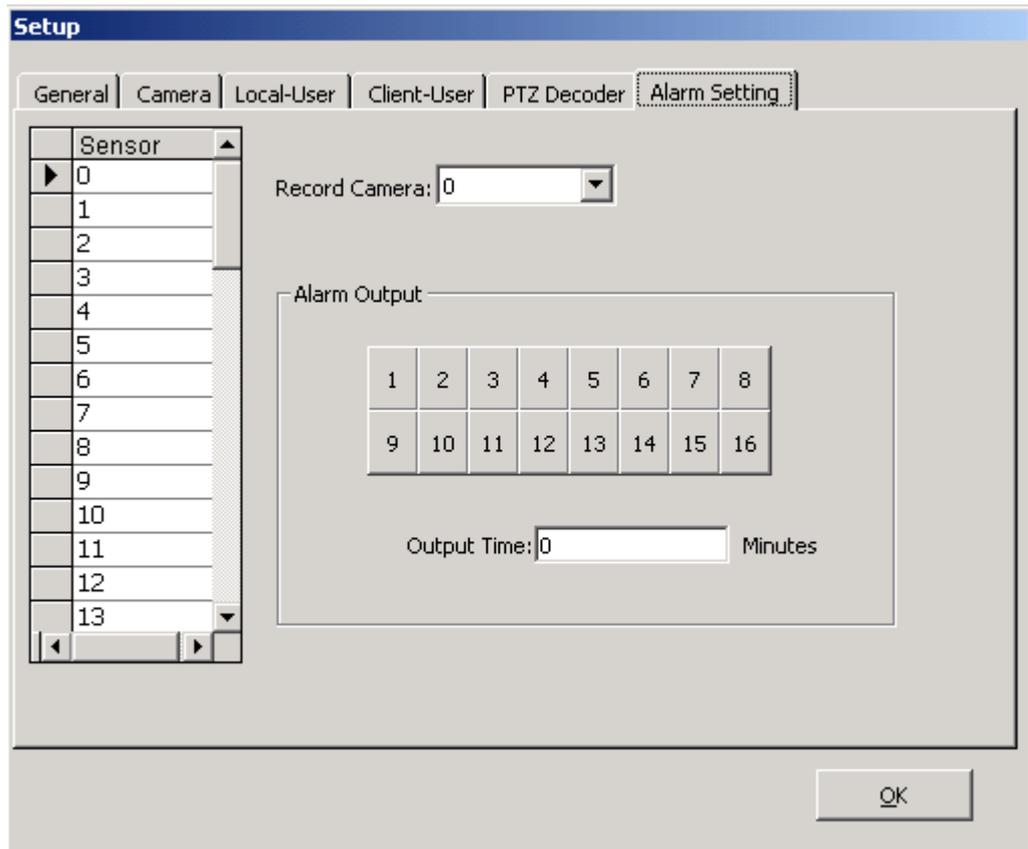
From 1 – 7, 1 is super, 7 is lowest;

● PTZ Decorder:

COM Port: Choose the communication port that your RS232 to RS485 adapter
will be using, RS485 adapter connects to your PTZ decoder.
PTZ Decoder: Choose the model or brand of your decoder from the dropdown
menu. If your model is not listed,pleas send the decoder
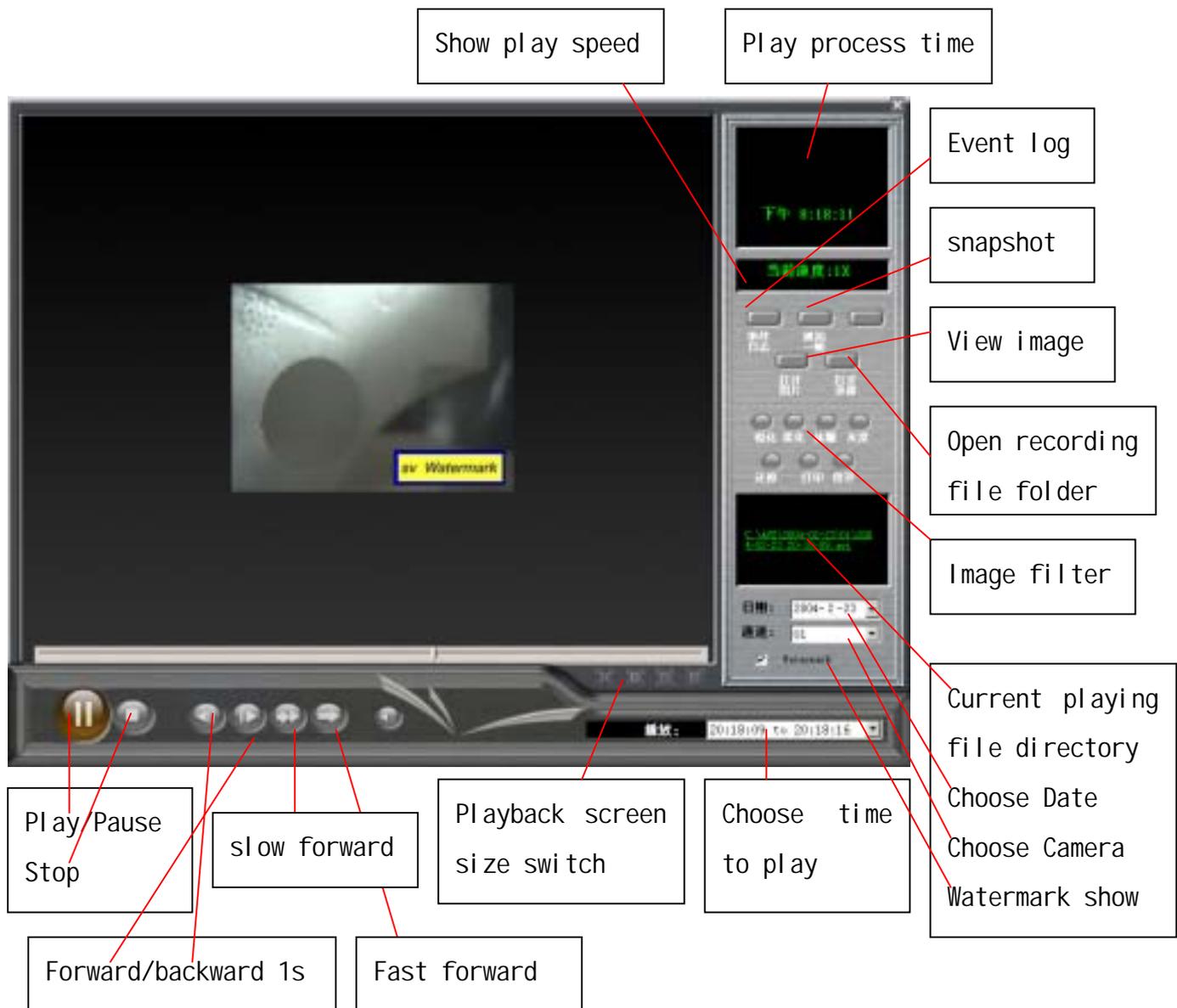protocol to us,we'll add it for you.

● Alarm Setting:

Select the camera and the corresponding input that will trigger the camera
to record.

Playback

Click button to playbck

Show play speed

Play process time

Event log

snapshot

View image

Open recording file folder

Image filter

Current playing file directory

Choose Date

Choose Camera

Watermark show

Play/Pause Stop

slow forward

Forward/backward 1s

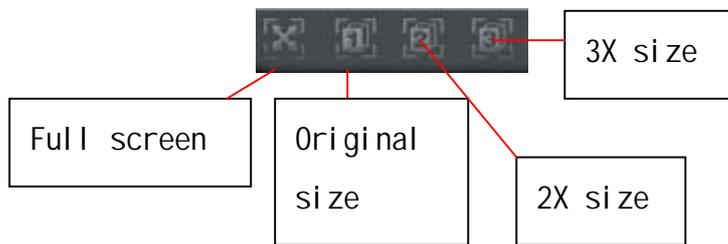Fast forward

Playback screen size switch

Choose time to play

Date: choose date from dropdown menu;

Channel: choose camera number;

Play: choose time to play;

Playback Screen Size Panel:

Full screen | Original size | 2X size | 3X size

Click [image] button to fast forward play click the button one time to speed

up one level, there are 3 level 2X, 4X, 8X;

Click [image] button to slow forward play click the button one time to speed

up one level, there are 3 level 1/2X, 1/4X, 1/8X;

Click [image] button to forward 1 second;

Click [image] button to backward 1 second;

Click" Snap" button to snapshot the playback,the image save at the SVDVR

install directory [Pics] folder;

Click" View BMP" button to view the snapshot images;

Click" Play video" button to play other AVI files;

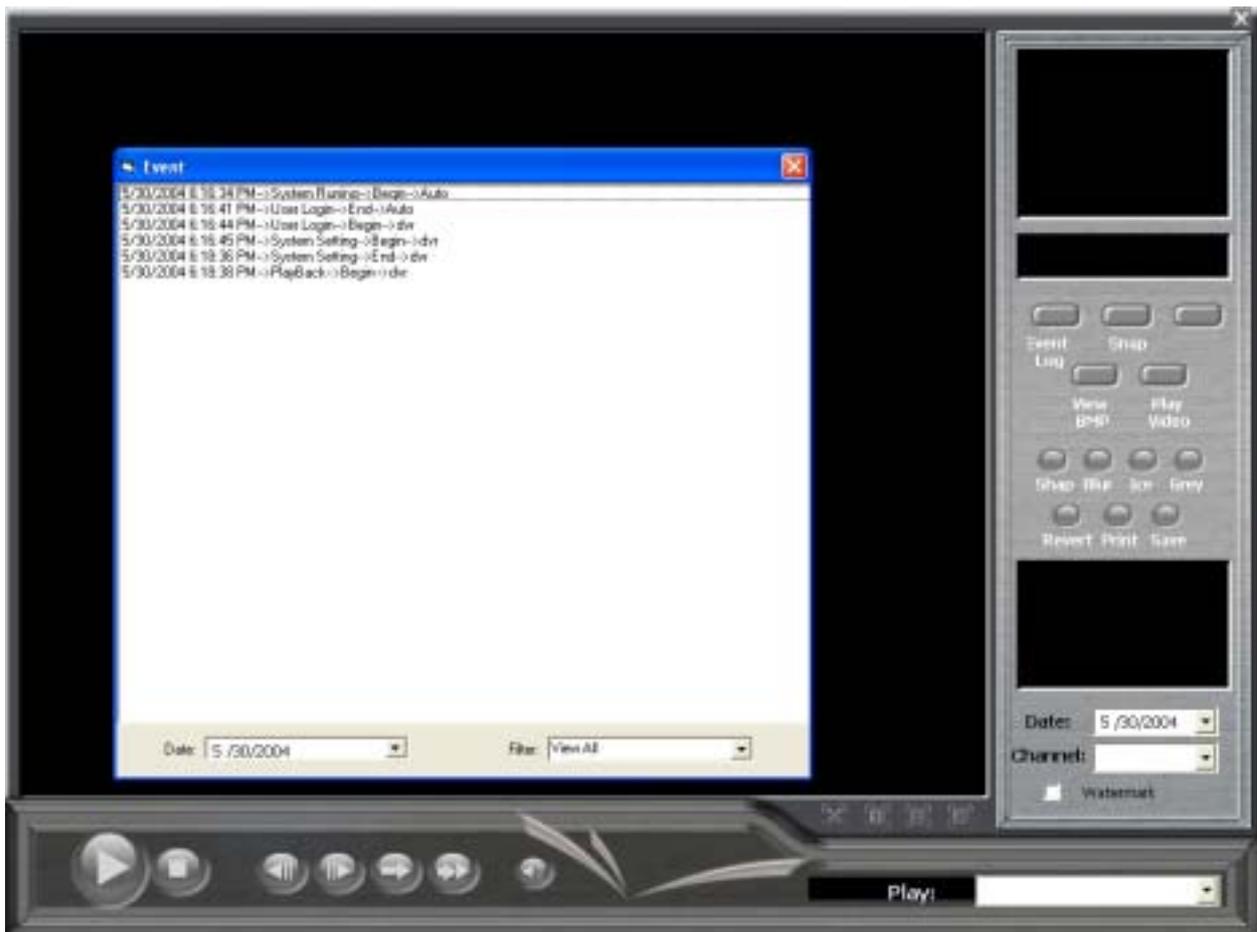Click the" Current playing file directory" to backup recording files;

Image Filter:

When view a image, you can process image by "sharp", "Blur", "Ice", "Grey";

Click "Revert" to undo;

Click "Print" to print;

Click "Save" to save the image;

Event Log

Event Log record all the system run status, you can view the log by Date, Filter;

Select " watermark" ,the watermark will show on screen

Chapter 6   **Client Software**

Client Software allows you to view remote camera,control remote PTZ,even playback remote camera recording.

Client Software Installation:

Insert the software CD in the CD-ROM drive.

Double-click on the folder of [Client].

Double-click on the c_install icon to begin installation.

After rebooting your computer, you will find a shortcut for the Clenr program in your "START" menu, listed under "All Programs". You may now run the program as desired.

Client Software Guide:

There are two model client GUI, one is " Panel Client GUI" ,
 the other is " Full Screen Client GUI" ;

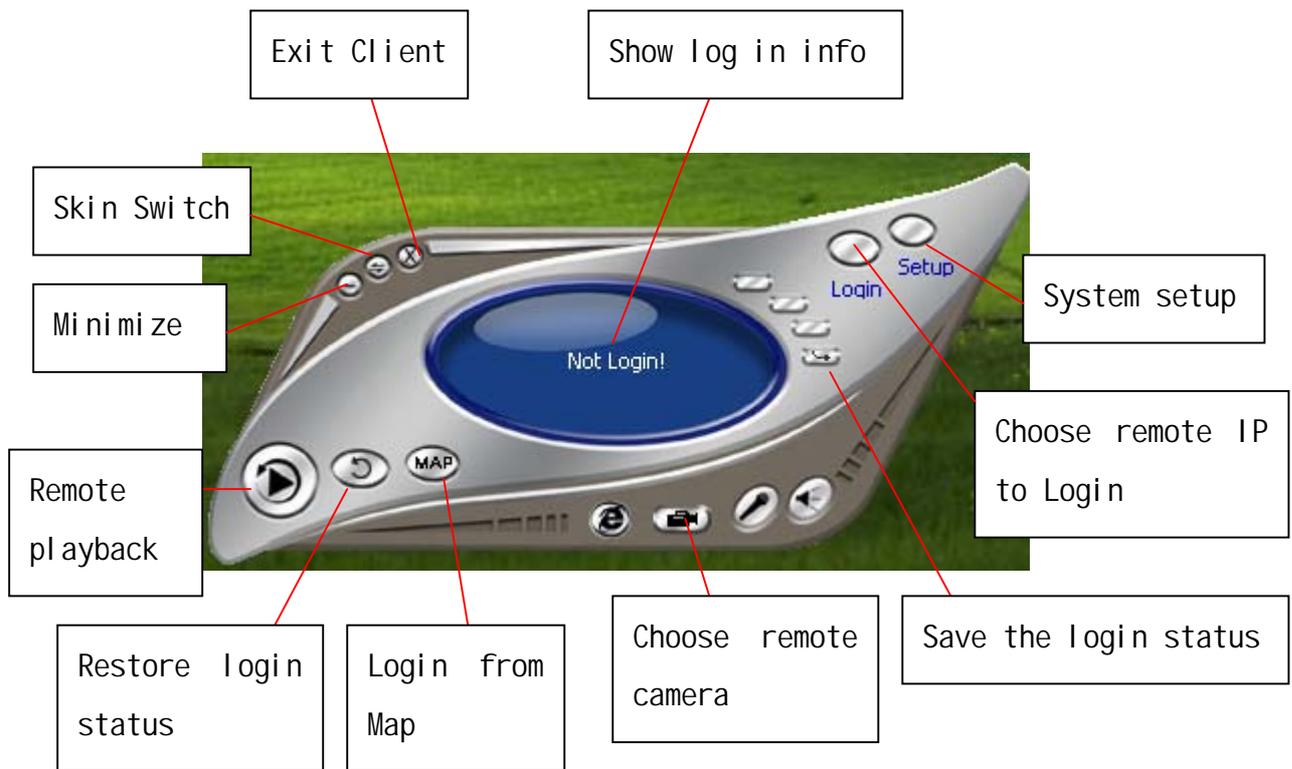Run Client program,will show this box first.

User Name: default is: dvr

Password: default is: dvr

This User Name & Password prevent the cliend program not be run by others;

Click " Modify" button, You can modify the User Name & Password personally,

Panel Client GUI

Exit Client	Show log in info
Skin Switch	
Minimize	System setup
Remote playback	Choose remote IP to Login
Restore login status	Login from Map	Choose remote camera	Save the login status

Setup

Click" Setup" button to sey up system;

New Host:

Input Server's PC IP, click " Add IP" to add new remote Server;

Host Info:

Choose remote Server IP from dropdown menu to edit;

Host Name:

To define remote server name which will show on video box title;

User Name & Password:

The input User Name & Password must be defined in Client-User of remote

Server's Setup;

Default is:

User Name: dvr ;   Password: dvr

Select net model: LAN or Internet
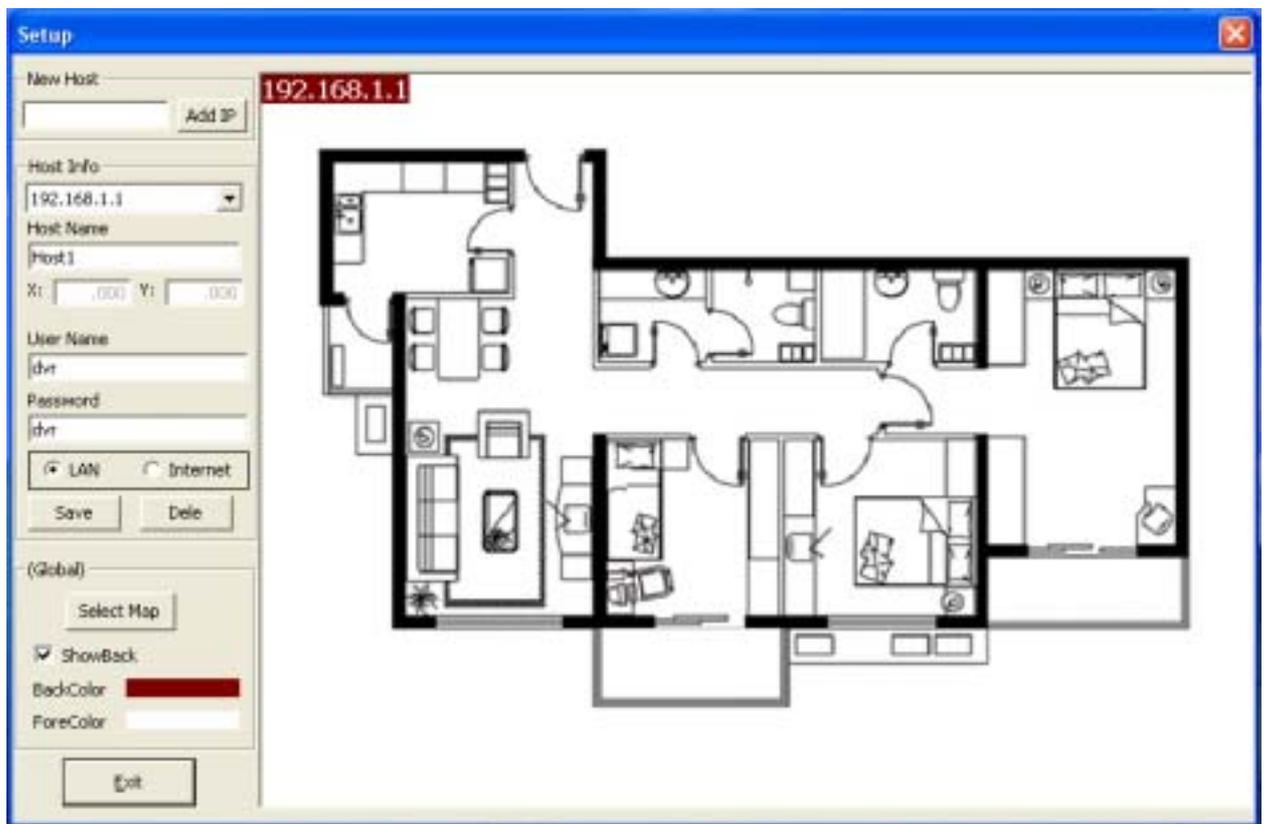
If select LAN , support UDP multicast function;

Click" Save" to save the setup;
Click" Dele" to delete the selected server setup information;

Client software support E-Map login;
 Click " Select Map" to import map image;
 Dragging Server IP to the corresponding place;

Click " Exit" button to exit;

Click " Login" button to choose the Server IP which you want to log in;
If login ok, the " Show Login info" panel will show " Login Success!" ;
If login failure, the " Show Login info" panel will show " Login Fail!" ;

Click button to choose the camera which you want to view;

Click ⊡ button to record at client site;

Click ⊡ button to stop recording at client site;

Click PTZ button to control remote PTZ;

You can change the video screen size just by dragging rightdown corner(left button of mouse down);

Click ⊡ button to save the current login status;

If not login   click ⟳ button to restore the last login status and
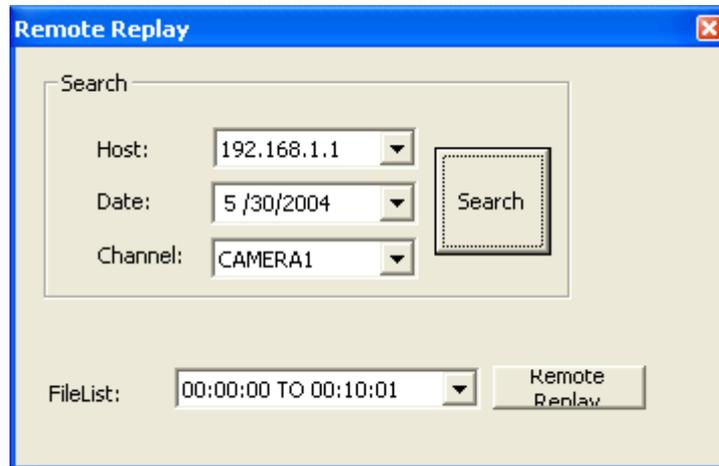
atomatically login;

Click ⬭MAP button to login from E-Map;

Click the Server IP on map, will auto login, then click the camera number will show the corresponding video;
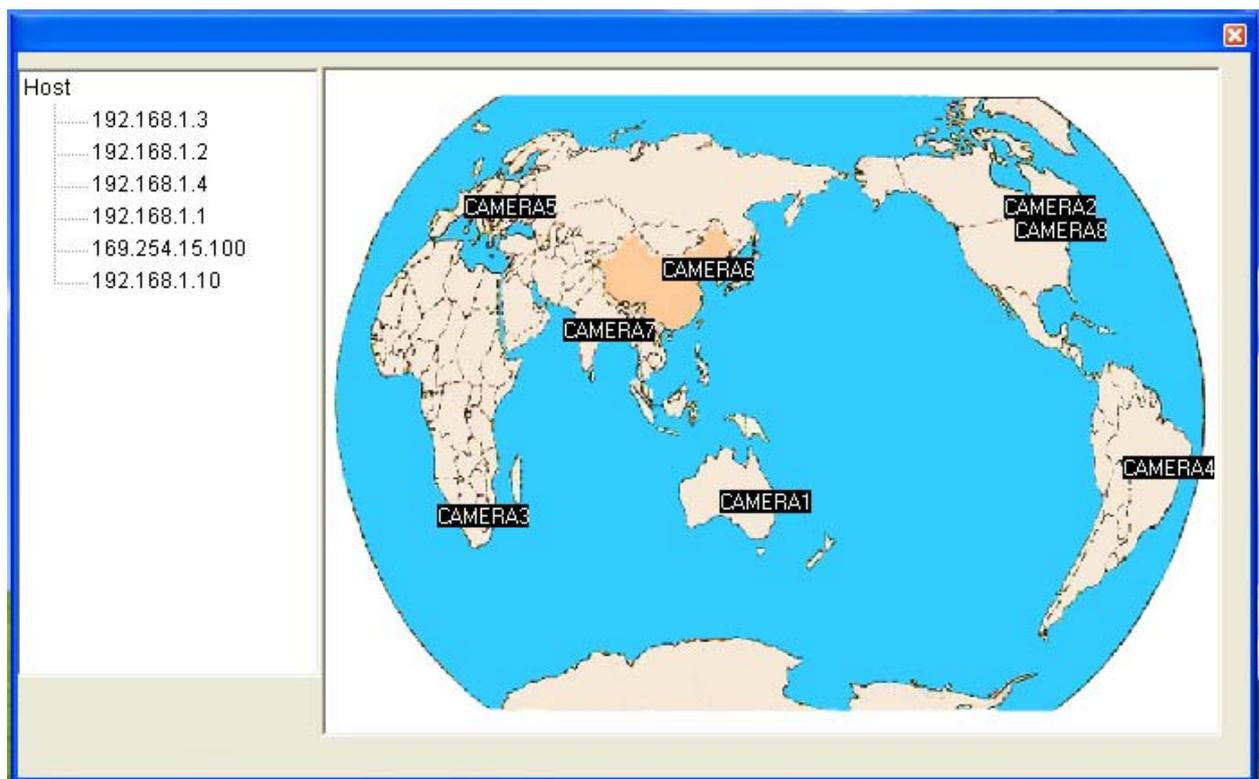
Click button to playback the recording of remote Server;

Host: choose the remote Server IP;
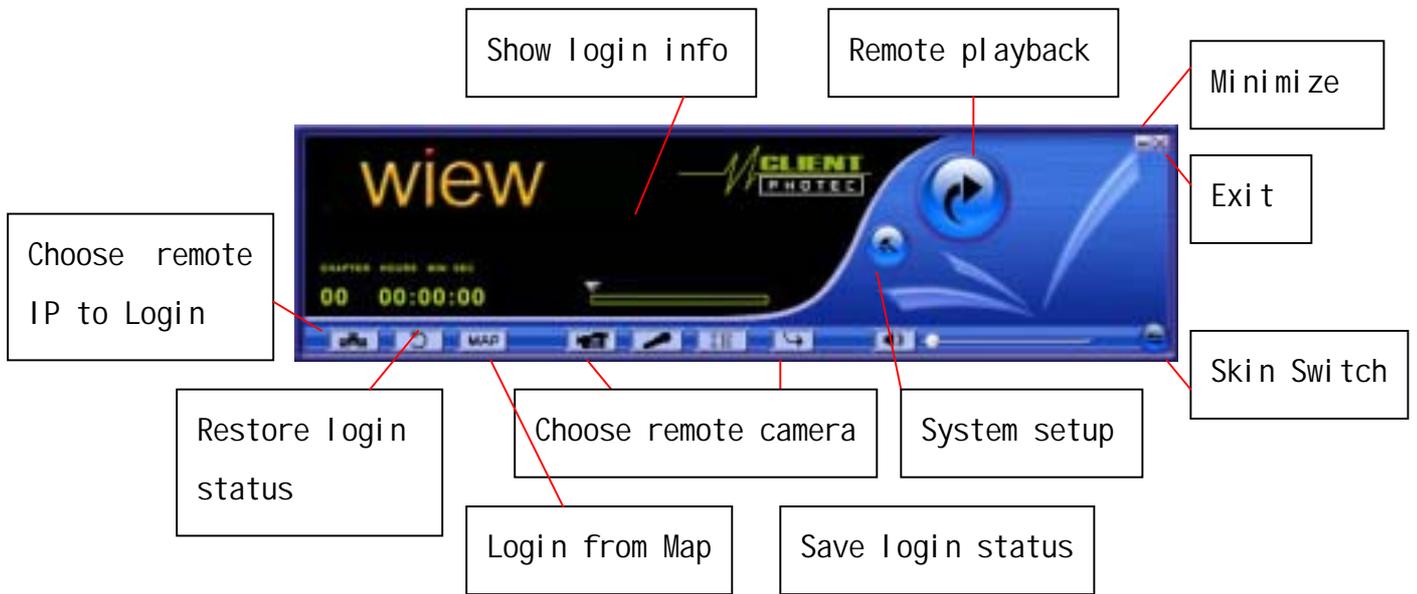
Date: select the date;

Channel: choose the camera number;

Click " Search" button to find, if getting, the files name will show
at " FileList";

Choose the file , then click " Replay" button to play;

Panel Client GUI has another Skin

Click ⊕ button to change Skin

Show login info

Remote playback

Minimize

Exit

Choose remote IP to Login

Choose remote camera

System setup

Skin Switch

Restore login status

Login from Map

Save login status

Full Screen Client GUI

The function of **Full Screen Client** program is same as that of **Panel Client**;
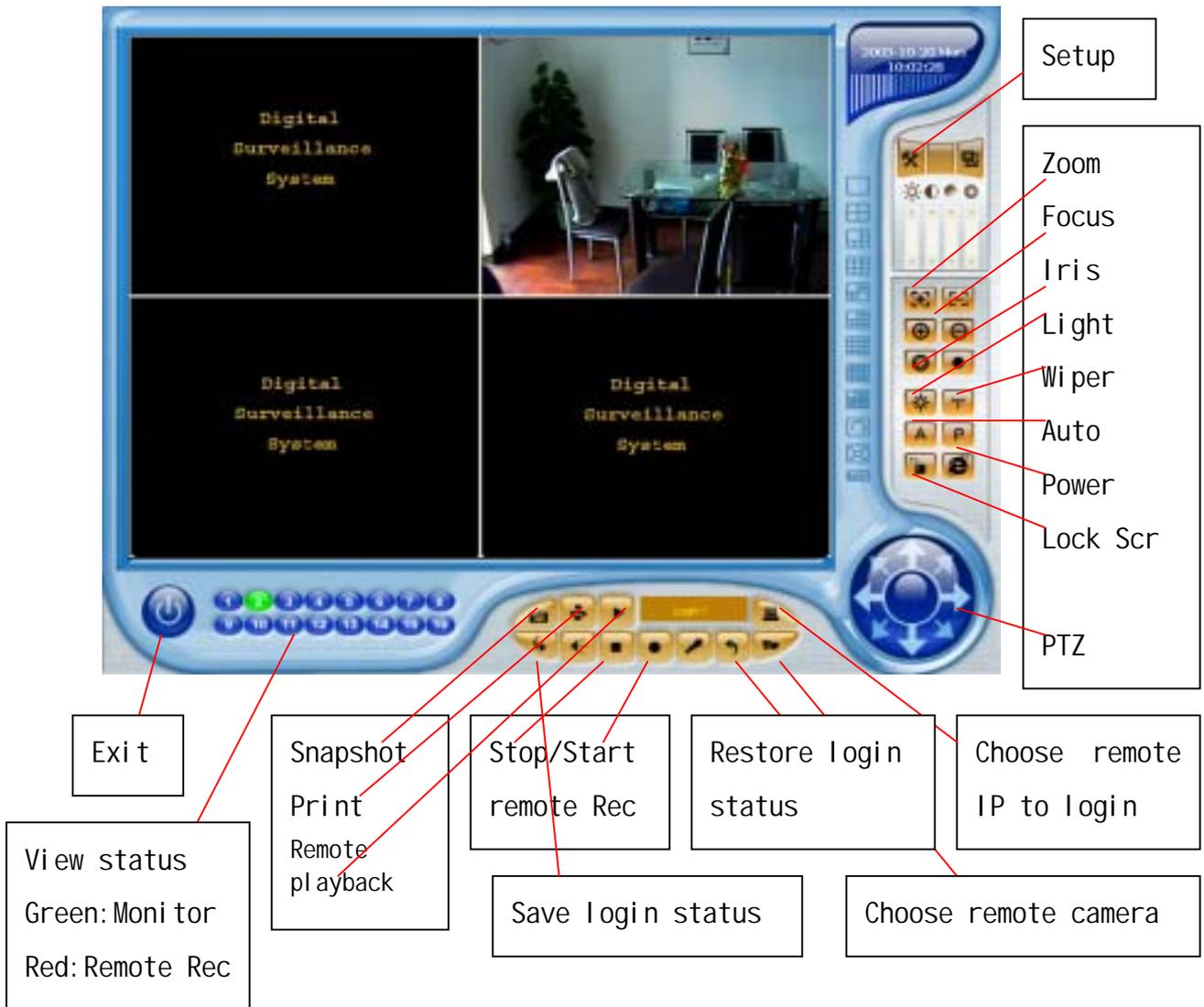
Putting mouse at the video for seconds will show the video information(Server

IP & Camera number).