

EagleWatch

DVR Multi Client

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REMOTE VIEWING

6. DVR Multi Client

6-1. About DVR Multi Client

EagleWatch Multi-client is revolutionary software that allows for multiple remote connections. Multiple users can completely take control over 16 separate sites at any one time with up to 16 cameras per site. Onsite switches can be activated and deactivated ultimately giving the impression that local security is present. Preset positioning for Pan Tilt and Zoom Cameras allow full camera mobility from any offsite location. Two way video/ audio conferencing and remote notification have proven to keep out unwanted intruders.

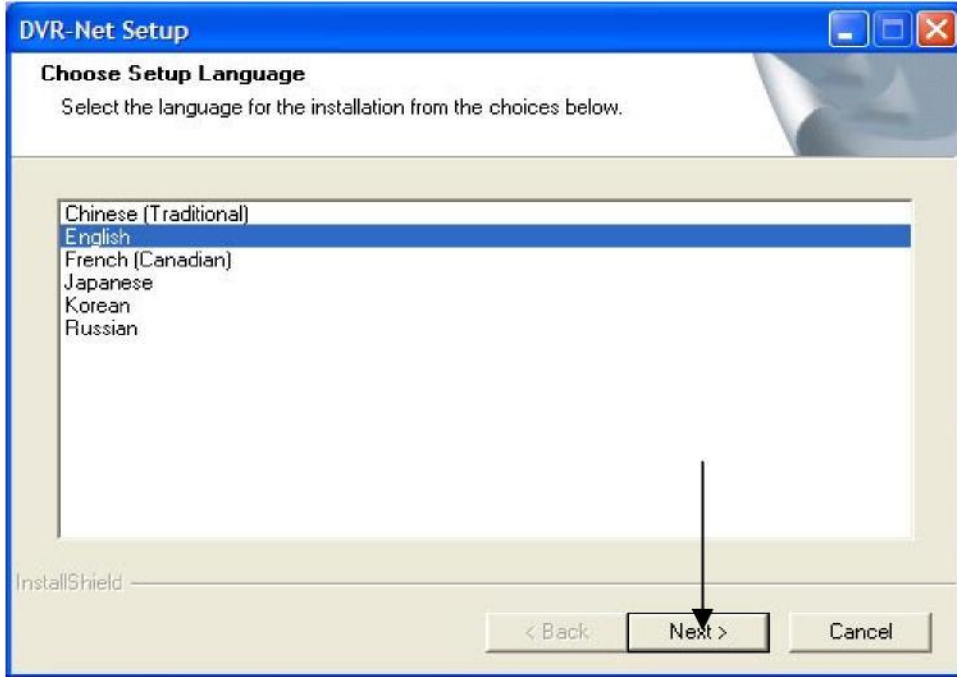
With EagleWatch Multi-client software, you can now take complete control over the EagleWatch system server from any remote location via LAN, WAN or Modem. Backing up events, live remote recording and searching through pre-recorded information can all be accomplished through EagleWatch Multi-client.

The ability of the EagleWatch Multi-client software to completely control the EagleWatch system server offsite allows you to effectively manage you're home or business from virtually anywhere. This is what makes EagleWatch Multi-client today's leading network security software program.

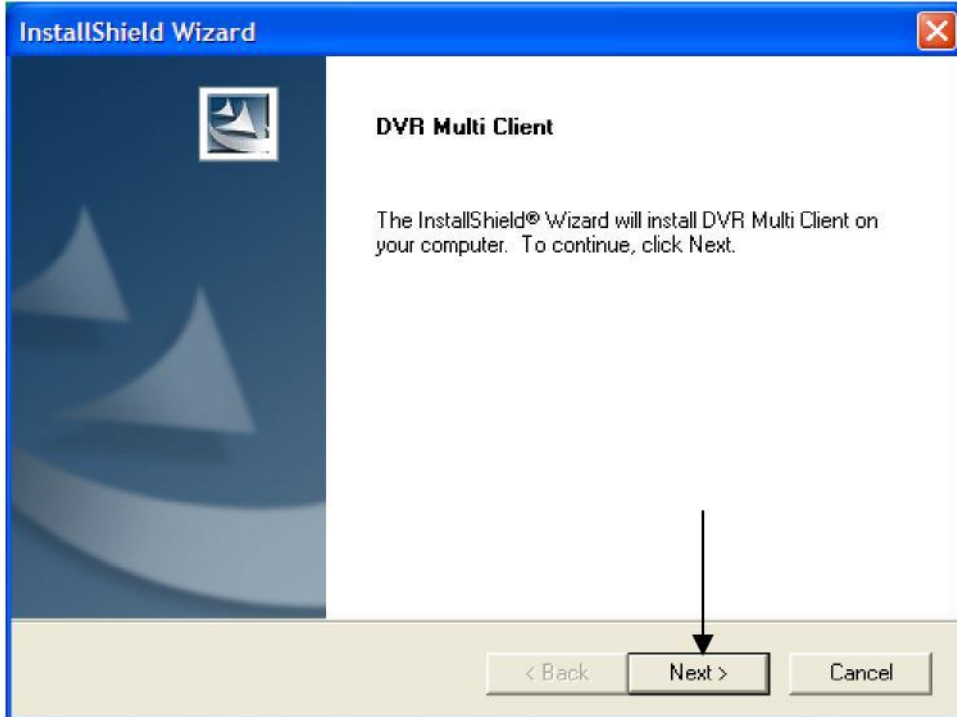
6-2. Installation

To install the Multi Client insert the EagleWatch CD in the CD drive. There will be an auto run screen. Click Programs. Then click on DVR Client. The following screen will appear.

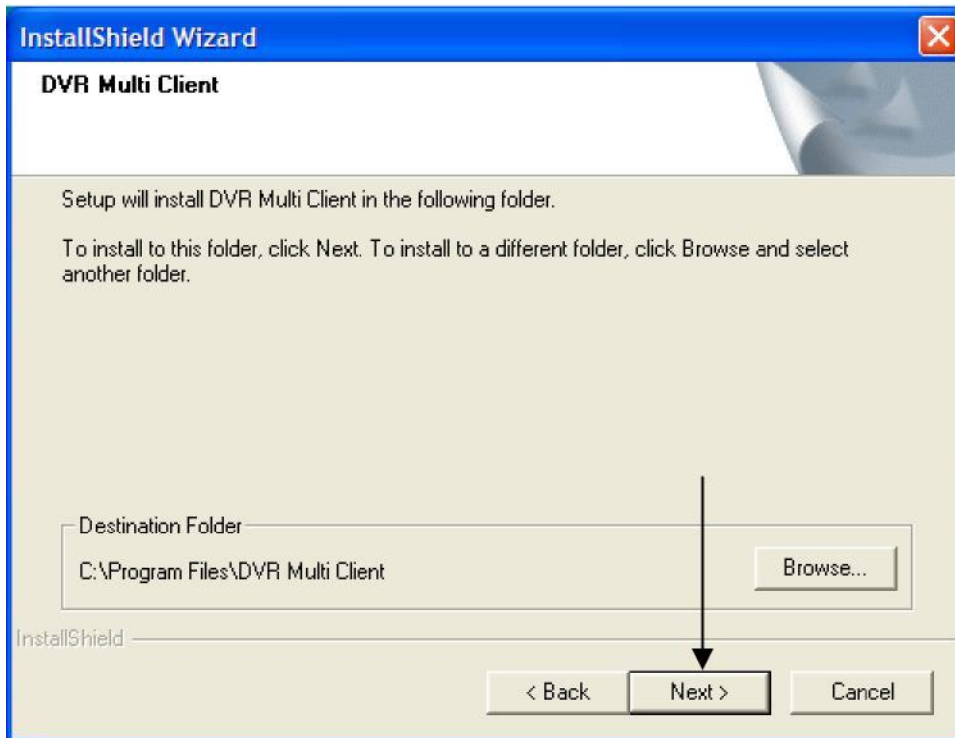
Click Next.



Click Next.



Click Next.



Windows might give this warning screen. Ignore it and **click on Continue Anyway.**



Click on Finish and the computer will restart.



The software is now ready to use.

The following icon will appear on your windows desktop.



6-3. Using Network Program 6-3-

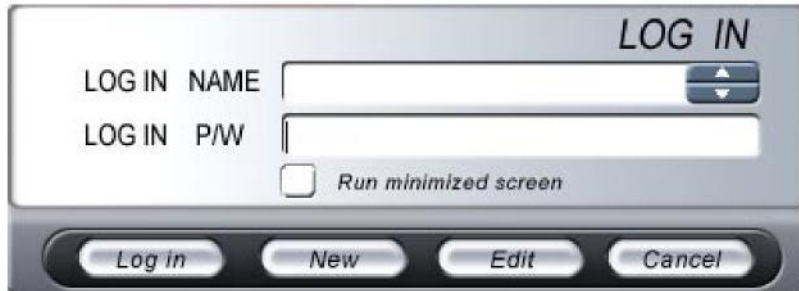
1. EagleWatch Login Configurations

To run DVR Multi Client:

The EagleWatch multi client is a multi user multi site software. Click the DVR Multi Client icon on the desktop or go to the program through Start, Programs, DVR Multi Client, DVR Multi-client.exe.

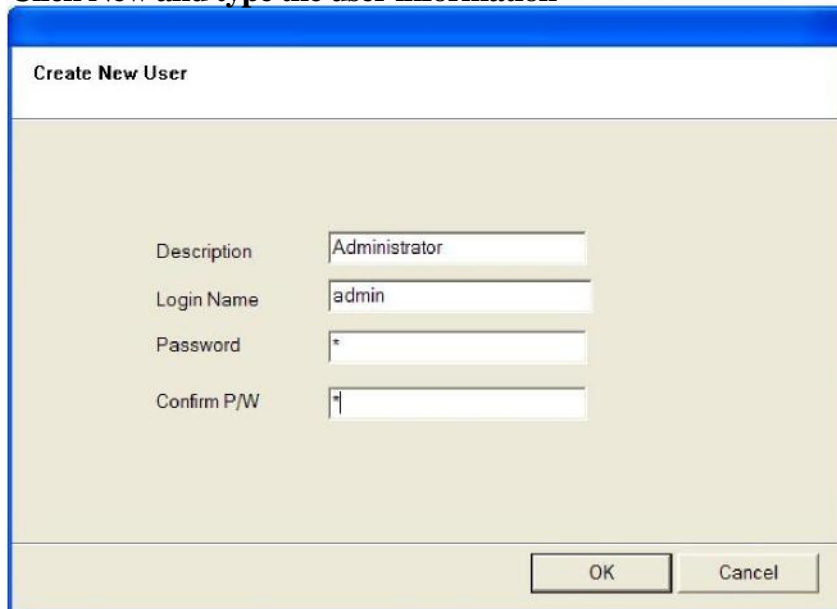
The first time the program is run, the following screen appears.

A profile for the user must be setup first before using the program



- **New:** Add new user to login.
- **Edit:** Edit the configuration for the user.
- **Cancel:** Exit without change.
- **Login:** To access the EagleWatch Multi Client.
- **Run Minimized screen:** Starts the program in the system tray (minimized).

Click New and type the user information



Login name: ID of user to access the DVR.

- **Description:** User's level of access.
- **Password:** Password
- **Confirm P/W:** Re-confirm password

Click **OK** once the information is entered. Then the following screen will appear.

6-3-1-1. Add, Delete and Edit Site Information

The site information can be entered using the following screen by clicking **New**.

Site Name	IP / Tel #	Method	

New Edit Delete Close

- **New:** Add information for a new site (DVR).
- **Edit:** Edit the information of an existing site.
- **Delete:** Delete a site.
- **Close:** Exit.

Note:

It is not recommended to enter the same site name more than once.

Click **New** when no site information is stored.

The screenshot shows a main dialog box titled "Add, Delete and Edit Site Information" with a table for site data. A smaller "Site Information" dialog is overlaid on top, containing the following fields:

- Site Name: test
- Method: TCP/IP (dropdown menu)
- IP / Tel #: 192.168.1.25
- Username: administrator
- Password: (empty field)

Buttons for "OK" and "Cancel" are at the bottom of the "Site Information" dialog. At the bottom of the main dialog are buttons for "New", "Edit", "Delete", and "Close".

- **Site name:** The name of site to be connected (Enter the registered name when using IP Server)
- **IP/Tel #:** The IP address of the DVR (name of the dvr can also be used if it is in the same Network and Workgroup) or the telephone number when using a Modem. (Enter the static IP of the IP Server if being used enter **66.163.26.241**)
- **Method:** **TCP/IP** when using LAN (Network) or Internet and **Modem** when using a modem to dial-in to the system.
- **User name:** The ID of the user to access the DVR.
- **Password:** The password of the user to access the DVR.

Once the site information is entered, the following screen will appear.

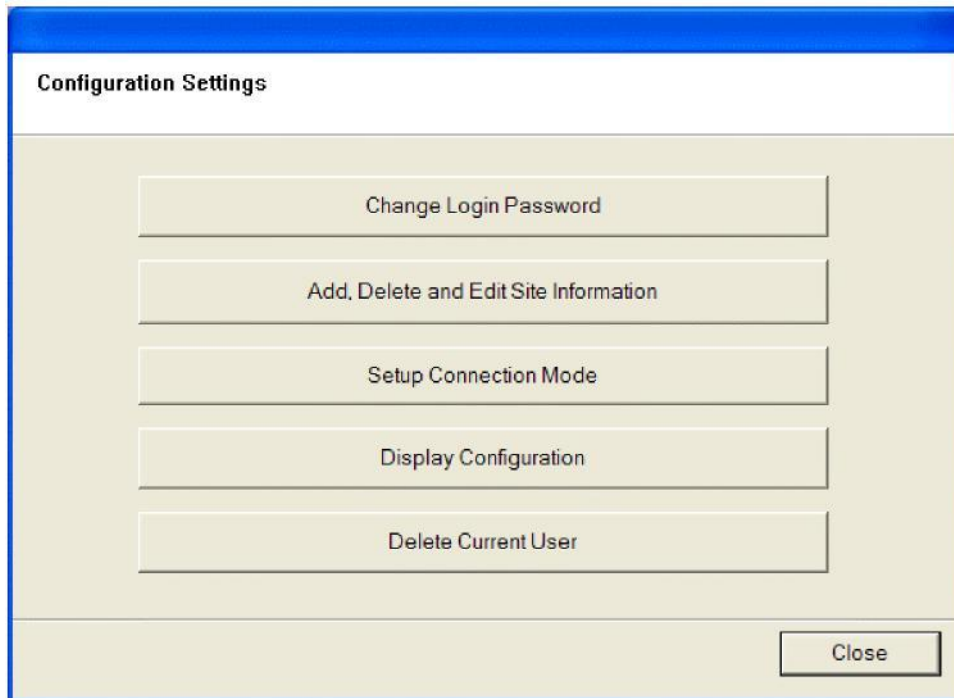
The screenshot shows the main dialog box with the following table:

Site Name	IP / Tel #	Method
test	192.168.1.25	TCP/IP

Buttons for "New", "Edit", "Delete", and "Close" are at the bottom of the dialog.

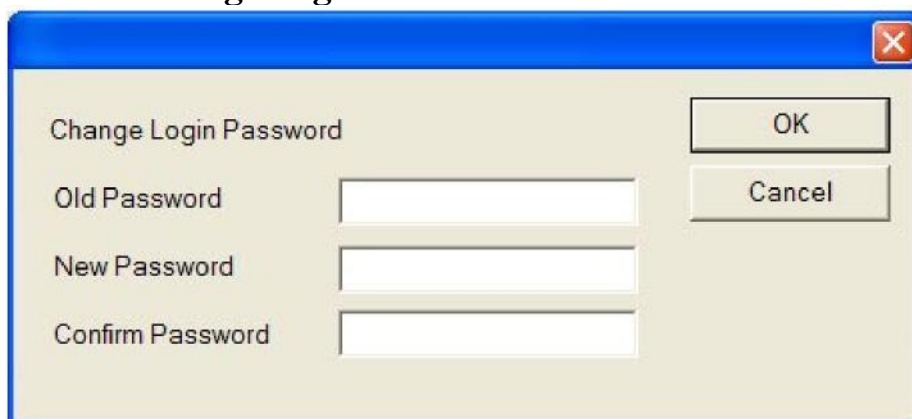
Click **Close** once all the site informations are entered. Then the following screen will appear.

6-3-2. Configuration Setting



- **Change Login Password:** To change the login password of the user.
- **Add, Delete and Edit Site Information:** To add, edit or delete the site information.
- **Setup Connecting Mode:** To select Single site connection or Multi site connection mode.
- **Display Configuration:** To set the number of split screen when the program opens, the location of the directory and log files to be stored, switching interval of cameras and the contents of on-screen display.
- **Delete current user:** To delete the current user and the user's profile.

6-3-2-1. Change Login Password



- **Old password:** Existing password to login to DVR Multi Client.
- **New password:** New password to login to DVR Multi Client.
- **Confirm password:** Re-confirm new password.

Note: You must configure “Setup Connection” mode and “Display Configuration” when using DVR Multi Client for the first time.

6-3-2-2. Add, Delete and Edit Site Information

Existing site information can be edited or deleted. New site information can be added using this screen.

Note : If the site is selected for initial connect in Setup connection mode the site cannot be deleted or edited till it is unselected.

Site Name	IP / Tel #	Method	
test	192.168.1.25	TCP/IP	

New Edit Delete Close

6-3-2-3. Setup Connection Mode

The following screen can be used to set single or multi site connection.

- **Single site connect:** Select to access only one site.
- **Connect on login:** Connects to the selected site on initial login.
- **Multiple site connect:** Select to access multiple sites simultaneously.

The Following screen appears when “Multiple Site Connection” is selected to enter the settings for it.

POS	Site Name	Camera Number(s)	POS	Site Name	Camera Number(s)	
<input checked="" type="checkbox"/> 1	test	1	<input type="checkbox"/> 9	[Not Used]	1	
<input checked="" type="checkbox"/> 2	test	2	<input type="checkbox"/> 10	[Not Used]	1	
<input checked="" type="checkbox"/> 3	test2	Partial	2,3,5,11,16	<input type="checkbox"/> 11	[Not Used]	1
<input checked="" type="checkbox"/> 4	test3	All	<input type="checkbox"/> 12	[Not Used]	1	
<input type="checkbox"/> 5	[Not Used]	1	<input type="checkbox"/> 13	[Not Used]	1	
<input type="checkbox"/> 6	[Not Used]	1	<input type="checkbox"/> 14	[Not Used]	1	
<input type="checkbox"/> 7	[Not Used]	1	<input type="checkbox"/> 15	[Not Used]	1	
<input type="checkbox"/> 8	[Not Used]	1	<input type="checkbox"/> 16	[Not Used]	1	

- **POS:** This is the position for the image display on the 16-partition screen.
- **Site name:** Choose the site to be connected to.
 - **Not Used:** Not connected to any site.
- **Camera number/s:** Choose the camera for the image location.
 - **All:** Connect to all cameras and switches through all of them on screen.
 - **Partial:** Connects only to the selected number of cameras and switches through them on screen.

6-3-2-4. Display configuration

The following screen can be used to set the display configuration.

Display Configuration

Initial View: 4 Screen

Data Location: C:\DVRData Browse

Log File: c:\dvslog.txt Browse

Switching Interval: 10 Second

On-screen Display

Position Number Site Name Camera Number /

Display Name: Always

Use IP Server: Code: Server:

OK Cancel

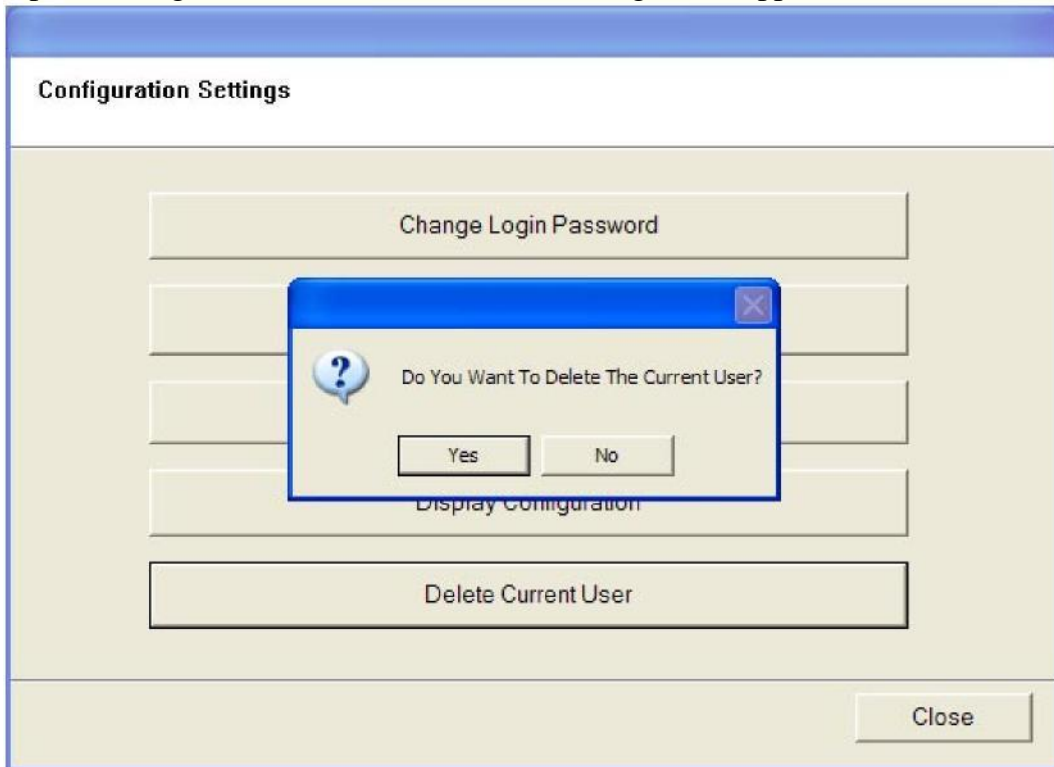
- **Initial view:** To set the number of split screens when DVR Multi Client opens (The choices are 1, 4, 6, 9, 10 & 16 split screen).
- **Data location:** The location where the files will be saved when **Record** is clicked in DVR Multi Client.
- **Log file:** The file in which the event log will be stored.
- **Switching interval:** The time, in seconds, between the switching of cameras being viewed.
- **On-screen Display:** The information of the camera/s displayed on screen. The information includes the position number of camera on site, the site name and the camera number on site.
- **Name display:** To set the schedule of display of the **On-screen Display**.
 - **Always:** On-screen Display is always shown.
 - **On mouse-over:** On-screen Display is only shown when the mouse is over the screen.
- **Use IP Server:** Register your client computer if it is using dynamic DSL connection. Enter that registration name in the section CODE _____ and enter the Server's static IP number _____. Now your client computer is being listed by the IP Server and a remote notification form DVR can be made easy.

Note: Enter the Client computer's name (code) in the DVR setup for remote notification. Detail description of how to use IP Server can be found at the end of this manual.

Click OK when the desired settings are made to exit the screen.

6-3-2-5. Delete current user

Upon clicking **Delete Current User** the following screen appears.



WARNING:

If you delete the current user all the site information entered by the user will be deleted as well.

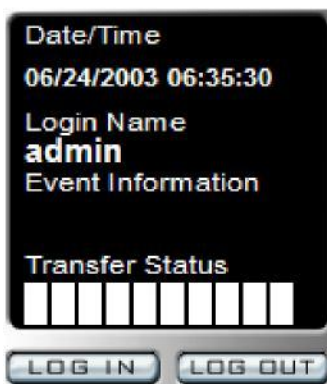
6-3-3. Accessing DVR Multi Client



Double Click on this icon on your desktop and the following screen will appear.

The login dialog box is titled "LOG IN". It contains two input fields: "LOG IN NAME" with the text "admin" and "LOG IN P/W" with a masked password "*". Below these fields is a checkbox labeled "Run minimized screen". At the bottom, there are four buttons: "Log in", "New", "Edit", and "Cancel".

Enter the log in name and password. Then click the **Log In** button. If log In on connect is selected in settings a connection is made and the following screen will appear.



- **Date/Time:** The current date and time of the local computer.
- **Login name:** The ID of the user logged in to DVR Multi Client on the local computer.
- **Event Information:** In case of an event trigger by the DVR such as motion detection or sensor activation, information about the event appears here.
- **Transfer Status:** This indicates the speed of the connection with the DVR system.
- **Log In:** Click to login to the DVR.
- **Log Out:** Click to logout of the DVR.



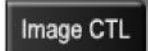
- **1 View:** View only one camera on the screen.
- **4 View:** View four cameras on the screen.
- **6 View:** View six cameras on the screen.
- **9 View:** View nine cameras on the screen.
- **10 View:** View ten cameras on the screen.
- **16 View:** View sixteen cameras on the screen.
- **Rotate:** Skip to the next set of cameras on screen.
- **Large Screen:** Put camera(s) on full screen.



- Click to open **Configuration Setting** screen.
- Saves the video on the local computer while viewing it.



- Opens **Camera Control** bar at the bottom right of the screen.



- Opens **Image Control** bar at the bottom right of the screen.



- Opens **Compression Control** bar at the bottom right of the screen.



The following controls open when the **Camera** button is clicked.

- **Preset:** The preset control will appear only if PTZ camera is selected and presets are set.
- The number in the center indicates the camera being controlled. The two arrows beside the number switch the camera being controlled.
- **Zoom:** This allows the camera to zoom in (+) or zoom out (-) from a particular view.
- **Focus:** This will adjust the focus of the camera to look at objects close or far from the camera.
- The arrows allow the PTZ cameras to be moved.
- **A/P - Auto Pan:** This allows the camera to continuously move and cover a 360° area.
- **P1, 2 & 3 (Power):** These power buttons allow the use of auxiliary functions (i.e. lights, washer, wiper, etc) on PTZ cameras.

The following controls open when the “Image Control” button is clicked.



- The number in the center indicates the camera being controlled. The two arrows beside the number switch the camera being controlled.
- The “Brightness, Contrast, Saturation” and “Hue” of each camera can be adjusted using these controls.

The following controls open when the “Compression Rate” button is clicked.



- Select **High Speed** to increase the data transfer rate. Image quality will suffer.
- Select **Low Speed** to decrease the data transfer rate. Image quality will be better.



This display shows in blue which cameras are connected. When the mouse is placed over the circle below the number an info menu also tells the IP number and status of the camera.



Each of the four **Relay Output's** will remotely activate or deactivate sensors coming into the DVR system.



This feature is to establish audio communication with the DVR.

(To use **Sound Control** the **Sound Recording** option under **System Setup** must be enabled on the DVR).



- **Talk:** Click to send audio to the DVR.



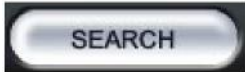
Listen: Click to receive audio from the DVR.



- **Duplex Mode:** Click to send and receive dual audio simultaneously.



- **End:** Cancel audio communication.



- **Local Search:** This allows users to search through the recorded footage on the local computer during viewing (Video will only show if the **Record** option is enabled on DVR Multi Client).



- **DVR Search:** This allows users to search through the video footage recorded onto the DVR system remotely.



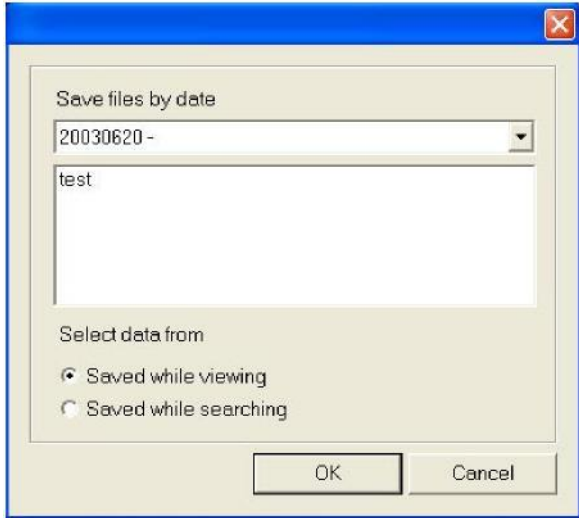
- **DVR Setup:** This allows access to the **DVR Setup** program remotely. Some setup functions are not available from remote .



- **Exit:** This exits the DVR Multi Client program.

6-3-4. Local Search

This feature makes it possible to search through the video footage recorded onto the local computer while viewing or remote searching. To use it click on “Search”, and the following screen will appear.



Select a date from the drop down menu, a site from the list shown and one of the two options below. Then click on OK.

- **Saved while viewing:** The video that was stored on the local computer by DVR Multi Client while viewing the remote cameras.
- **Saved while searching:** The video stored on the local computer by DVR Multi Client while viewing saved recording on the DVR remotely.

Next the following window will appear.

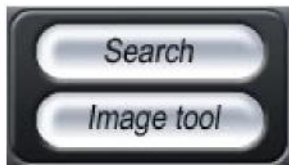




Choose a specific date to search for video from that day.



- **Zoom In:** Enlarge the view screen.
- **Zoom Out:** Decrease the size of the view screen.



- Opens “Search” control at the bottom right of the screen.
- Opens “Image Tools” at the bottom right of the screen.

The following controls will open at the bottom right of the screen when “Search” is clicked.

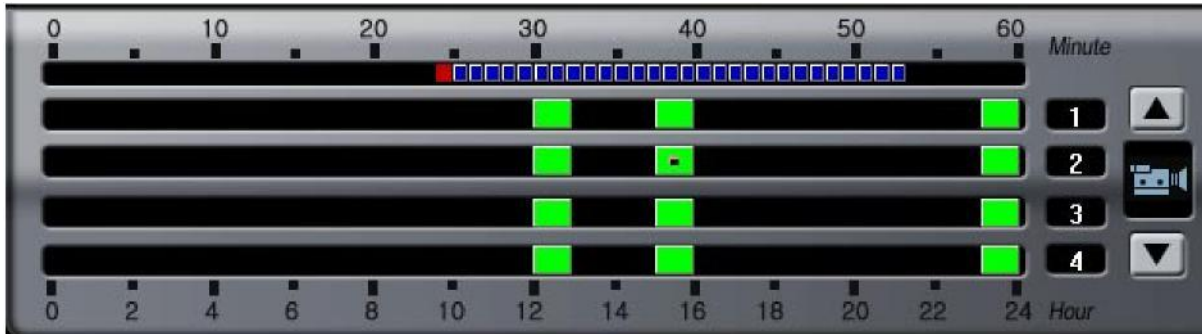


- The number in the center shows the speed at which the program is searching through the video. The speed can be adjusted using the two arrows beside the number.
- The top two buttons shows the first image and the last image in the recorded video.
- The two buttons in the middle plays the video in reverse and in the forward direction. To stop the video click on the play button again.
- The two buttons at the bottom rewind the video and fast-forward it.

The following controls will open at the bottom right of the screen when **Image Tools** is clicked.



- The following tools can be used to adjust the image quality.
- **Sharpen:** Click to make the image fine.
- **Zoom I/O:** Click on button then select the area on the image and the program will zoom in to the selected area.
- **Soften:** Click to make the image dull.
- **Original:** Click to get the original image prior to editing.
- **B&W:** Click to make the image black and white.
- **Cancel:** Click to cancel the editing on the image and restore the original.



The numbers on the right are the cameras. Each row represents one camera and shows its recorded time. The numbers at the bottom of the screen are hours and the numbers at the top are minutes. The area in green is the time recorded. The arrows on the right can be used to scroll down or up to the other cameras.

Select Site

- Opens **Site** selection window.

AVI Saving

- Click to save the recording as an **AVI** file.

Save

- Click to **Save** the current image.

Print

- Click to **Print** the current image.

When “Select Site” is clicked site selection window will reappear. It can be used to select another site or switch from the video saved while viewing to video saved while searching or vice versa.

When **AVI Saving** is clicked the following screens appears.



The image shows a dialog box titled "AVI Saving". It has two input fields: "LOG IN NAME" with the text "C:\Cam01_121000.AVI" and a file explorer icon, and "LOG IN P/W" which is empty. At the bottom, there are two buttons: "Save" and "Close".

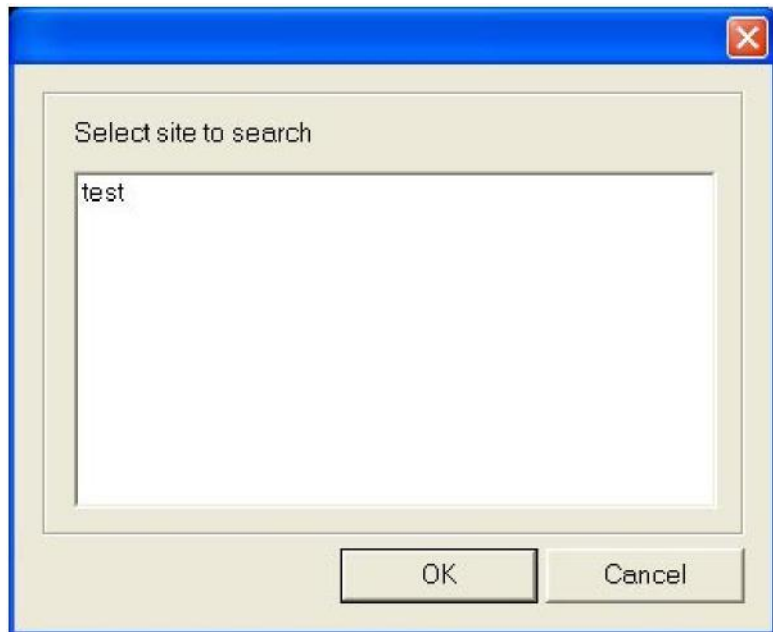
The file name and location can be selected here to save the video.
Or click on **Close** to cancel the save.



.Exit **Local Search**.

6-3-5. Remote Search

This feature makes it possible to search through the video footage recorded on the DVR system. To use it click on “Remote Search,” and the following screen will appear.



Select a site from the list shown and click on **OK**.

Next the following window will appear.





Choose a specific date to search through video from that day.



- **Zoom In:** Enlarge the view screen.
- **Zoom Out:** Decrease the size of the view screen.



- Opens “Search” control at the bottom right of the screen.
- Opens “Image Tools” at the bottom right of the screen.
- Click to “Record” the video onto the local computer while remotely searching on the DVR.

The following controls will open at the bottom right of the screen when “Search” is clicked.



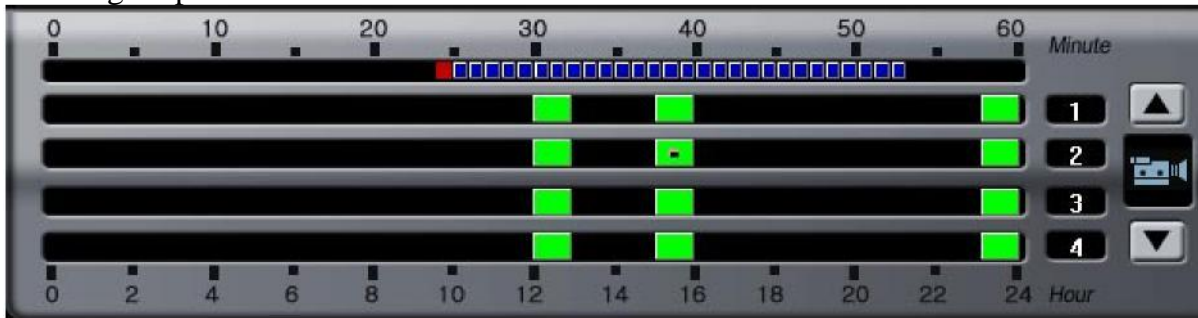
- The number in the center shows the speed at which the program is looking through the video. The speed can be adjusted using the two arrows beside the number.
- The top two buttons show the first image and the last image in the recorded video.
- The two buttons in the middle plays the video in reverse and in the fast-forward direction. To stop the video playback click on the play button again.
- The two buttons at the bottom fast-forward and rewind the video.

The following controls will open at the bottom right of the screen when “Image Tools” is clicked.



- The following tools can be used to adjust image quality.
- **Sharpen:** Click to make the image fine.
- **Zoom I/O:** Click on the button. Select the area on the image and the program will zoom into the selected area.
- **Soften:** Click to soften image.
- **Original:** Click to get the original image prior to editing.
- **B&W:** Click to make the image Black and White.
- **Cancel:** Click to cancel editing on the image and restore

original picture.



The numbers on the right are the cameras. Each row represents one camera and shows its recorded data. The numbers at the bottom of the screen are hours and the numbers at the top are minutes. The area in green is the time recorded. The arrows on the right can be used to scroll down or up to the other cameras.



- Opens **Site** selection window.

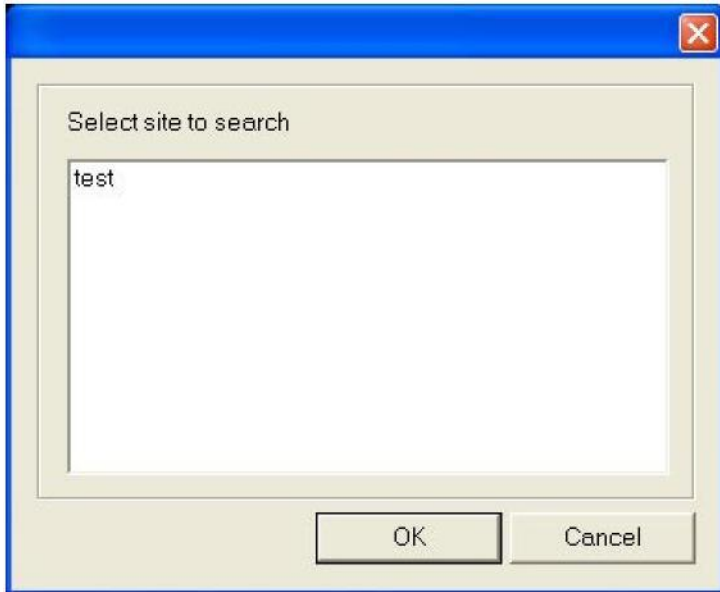


- Click to **Save** the current image.



- Click to **Print** the current image.

When **Select Site** is clicked site selection window will reappear. It can be used to select another site or switch from the video saved while viewing to video saved while searching or vise-versa.



- Exit **Remote Search**.

6-3-6. Remote Setup

This feature makes it possible to access the **DVR Setup** program remotely to configure the DVR **WARNING!** Recording is suspended while “DVR Setup” window is open). To configure the DVR click on the “Setup” button and the following screen will appear.



Select a site and click **OK**. And the **DVR Setup** window will appear.

Note:

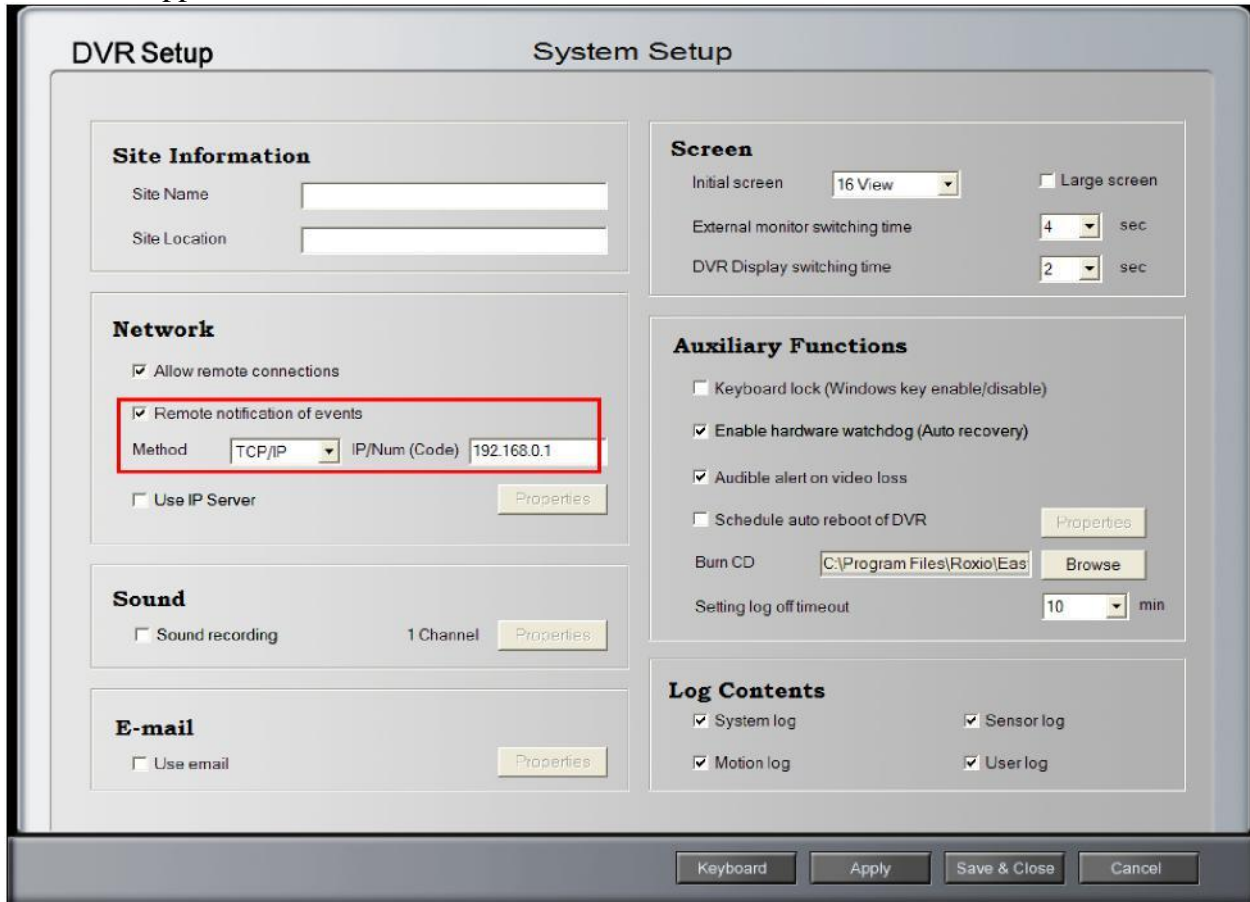
For further instruction and details about the **DVR Setup** please refer to the software section of this Manual.

NOTE: Please refer to “System” section of this manual for further details on procedure and configurations.

6-3-7. Remote Notification of Events

This function notifies the DVR Multi Client in case of an event triggered by the DVR. The event could be motion detection or sensor activation. The information about the event appears on the screen of the local computer.

To activate the feature open **DVR Setup** either on the DVR or remotely through the **Setup** button in DVR Multi Client. Then click on **System** button on the right. After that the following screen will appear.



Inside **System Setup** under **Network** select **Remote notification of events** option. Set the **method** to TCP/IP and put in the IP address of the client computer if the client computer has a static IP or the telephone number. Then click **Save & Close** and the **DVR Setup** window will open again. On the right side, click on **Camera** and the following screen will appear.

Note: When using IP Server

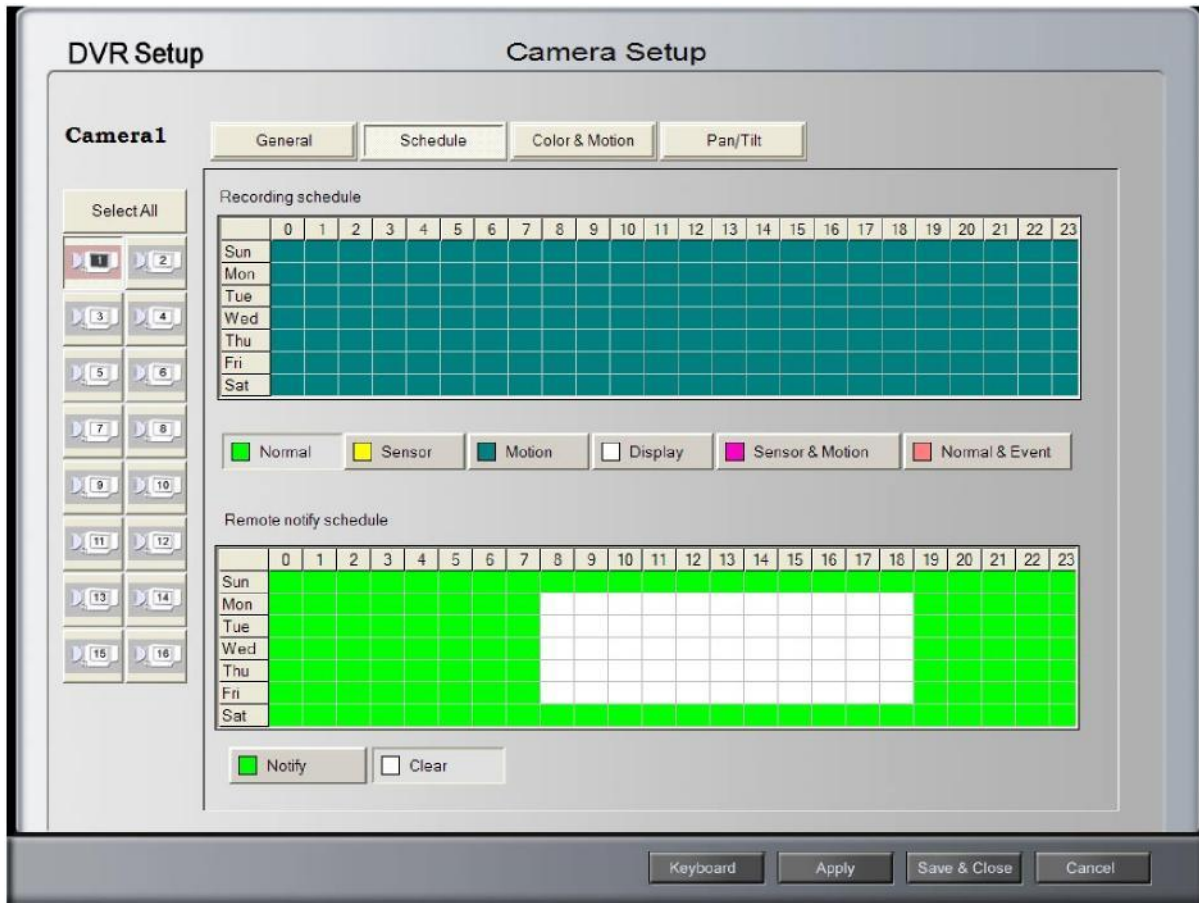
Method = SERVER IP/Num (Code) = The client code registered

Use IP Server = Check

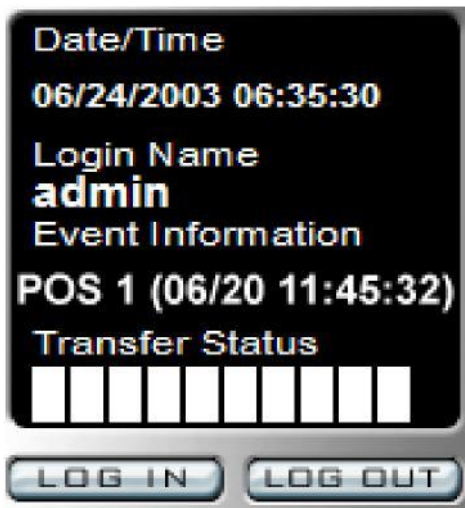
Code = The DVR Name (Code) registered

IP Number = 66.163.26.241 , Check interval = 1 min

Both **DVR** and **Client** must be registered in order for this function to work



In **Camera Setup** set the cameras and timings to be notified in the **Remote notification schedule** and then click on **Save & Close**. Now the settings on the DVR are completed.



Now in case of an event the DVR Multi Client will be notified.

The details of the event will appear in the **Event Information** section. The details include camera position, date and time of the event.

Upon occurrence of an event the DVR Multi Client screen will automatically maximize itself and the position on the screen with the trigger will be marked with a red outline.

