SEC-PCC10 – SEC-PCC20 – SEC-PCC30

PCI SECURITY CARD

ADVANCED

ENGLISH

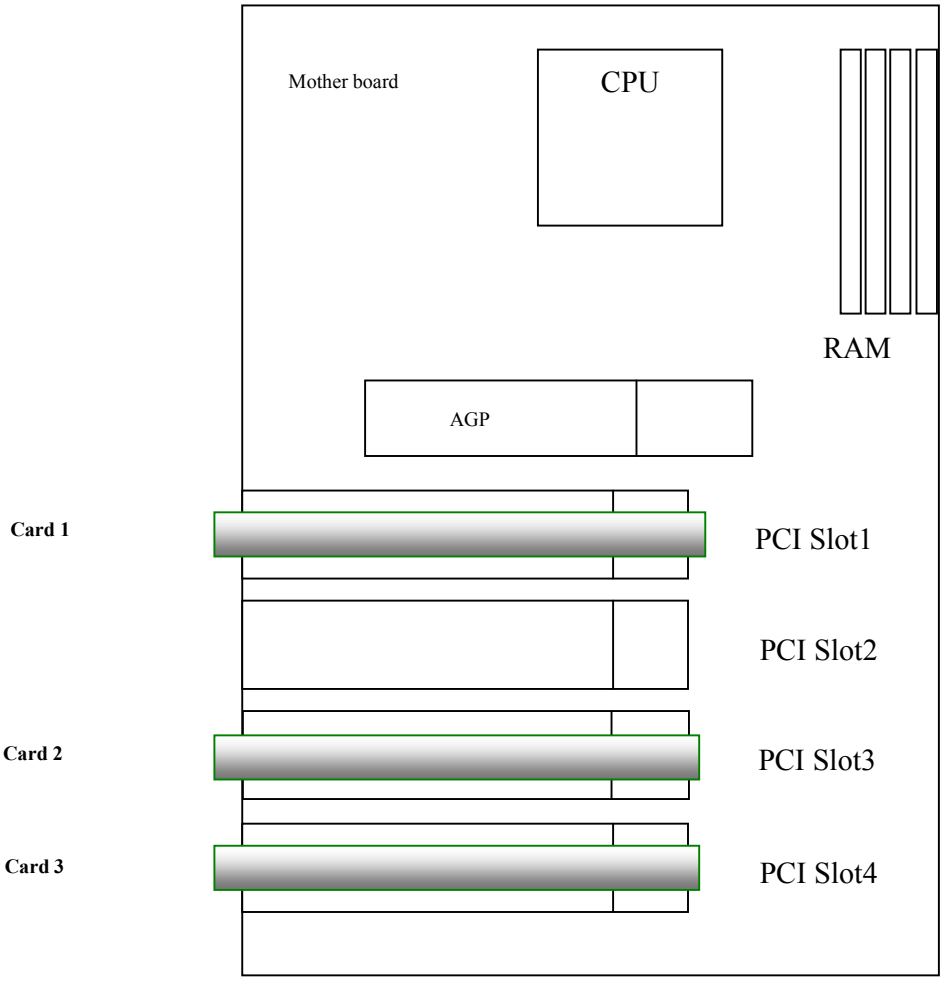
MANUAL

Installation

1. Turn off the PC's power and unplug the power cable.

2. Open the PC's cover and plug the capture card into an empty PCI Slot.

3. Make sure the card is firmly seated and aligned.



Note: When installing multiple cards in a single PC the total video channels may not exceed 24 cameras. The proper card order is shown as below. The card nearest to CPU will be the first card. Only card 1 need to be connected for Watch Dog connection (see following page).

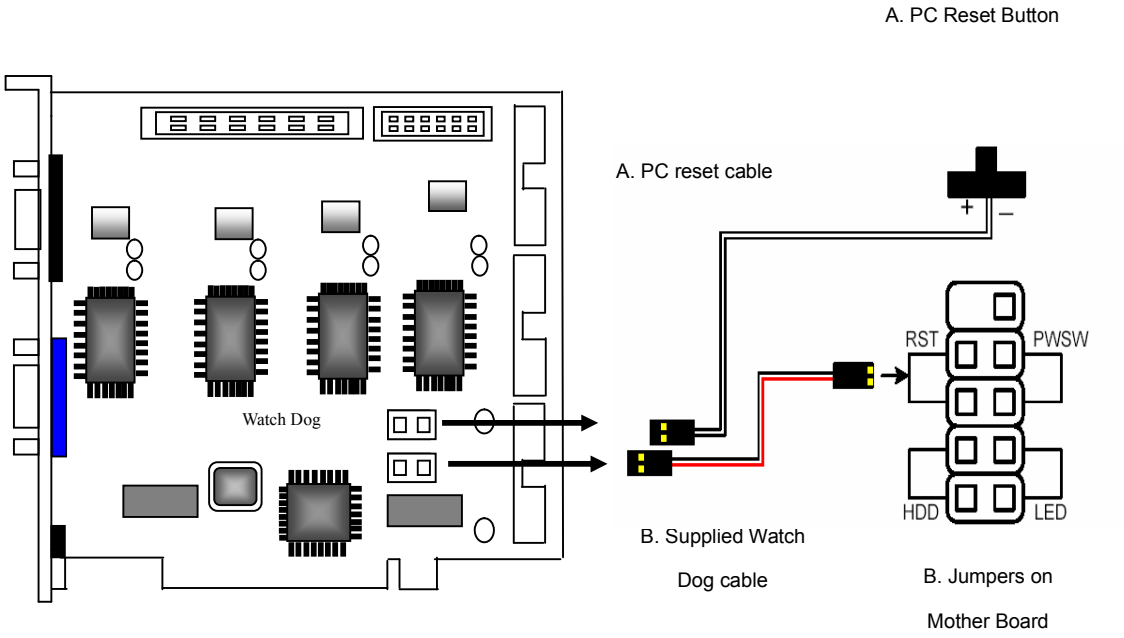
Watch Dog Connection

The Watch Dog Connection will allow the card to reboot the PC automatically when it detects problems with the PC.

A) Connect the reset cable, which is connected with the motherboard, with the Watch dog connection of the card.

B) Connect the supplied cable with the jumpers on the motherboard and the Watchdog connection of the card.

See below figure:



4. Replace the PC's cover and power cord and reboot the system.

5. When the Windows System reboots, the "New Hardware Wizard" dialog will appear. Ignore the dialogue.

Note: In Windows XP the dialog will disappear after driver installation. In Windows 2000, you will need to close the dialogue manually.

6. Put the Installation CD into the CD-ROM. The Auto-run page will be displayed. Click on "**DVR SYSTEM INSTALL**" and then the "**DRIVER INSTALL**" to automatically install the driver.

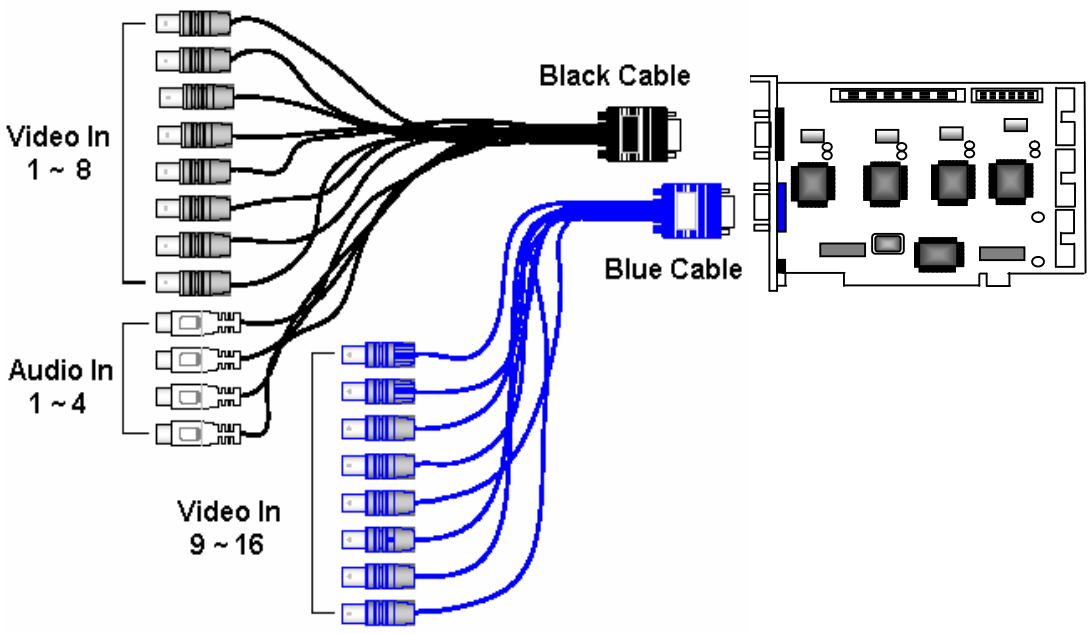
DVR software installation

After the driver has been installed, click "**DVR SYSTEM**" on the Auto-run page to install the DVR software.

Note: The first time the DVR software runs, the default user account: **"Administrator"** and password **"1234"** needs to be used to log in to the DVR System.

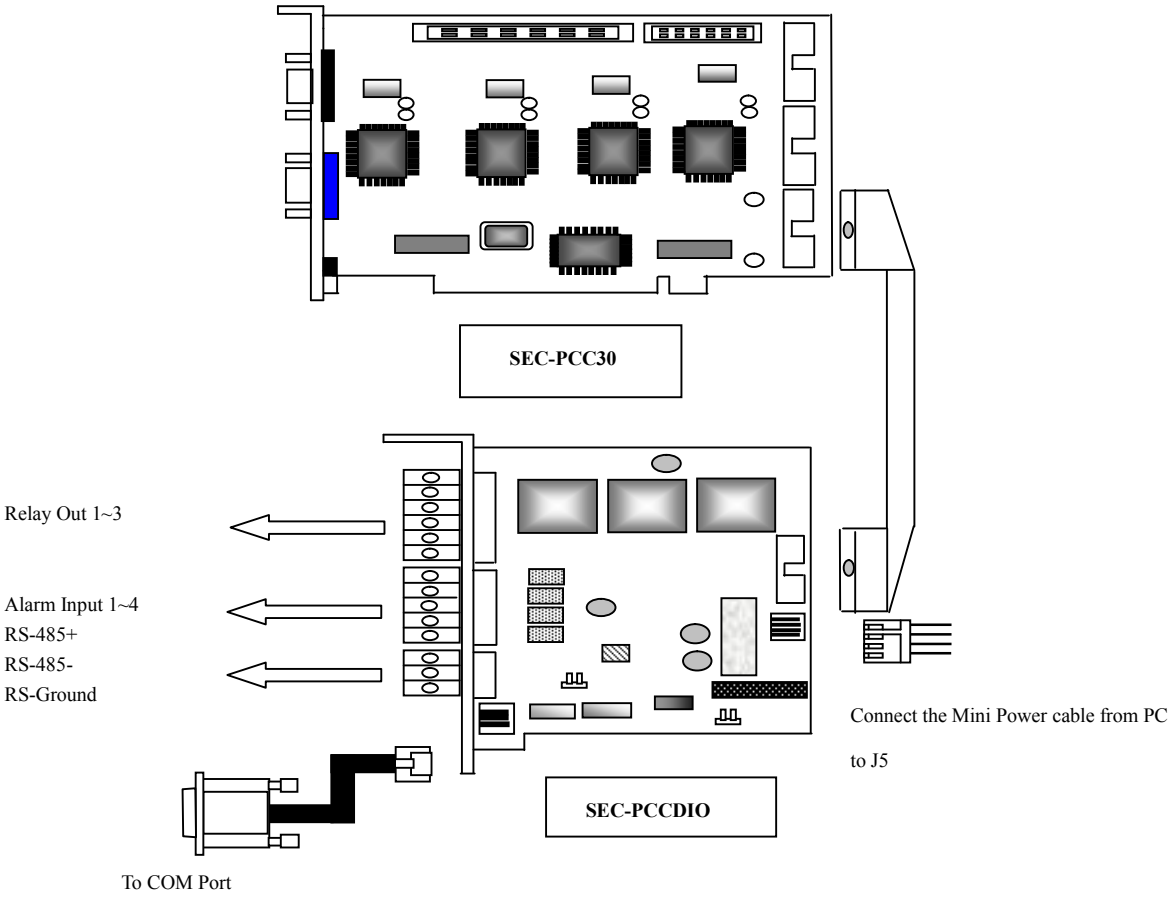
Cable connection

Below figure shows the connection cable for camera and audio of the SEC-PCC30. Connection of SEC-PCC10 (4CH video, 1CH audio) and SEC-PCC20 (8CH video, 2CH audio) are similar.



Additional I/O card

Digital I/O card with 4 relay inputs, 3 alarm outputs and a RS485 to RS232 (com port) converter for PTZ control (model: SEC-PCCDIO suitable for SEC-PCC series)



1. Main Monitor Panel

	Name	Description
1	Camera Snapshot	Click on the number to snapshot the video image of each channel, the snapshot images will be saved at "C:\DVR\bin\snapshot"
2	Screen Division	The selection of different screen division layout. (Please refer to the chapter 3 for detail information)
3	Date/Time	The current date and time
4	Message	Display the current event
5	Storage Space	Indicate the used ratio of total storage space
6	Event Log List	The history lists of all the event logged (Please refer to the chapter 4 for detail information)
7	Alarm On/Off	Enable/Disable the audio alarm for video loss
8	Video Backup	Click for CD-RW backup dialog (Please refer to the chapter 5 for detail information)

9	**Reserved**	**Reserved function**
10	**Screen lock**	**This function can lock up the monitor screen to prevent unauthorized access of video**
11	**P/T/Z**	**Click to switch to the panel for Pan/Tilt/Zoom control (Please refer to the chapter 6 for detail information)**
12	**Video Playback**	**Click to switch to the control panel for Video Playback (Please refer to the chapter 7 for detail information)**
13	**System Setup**	**Click to get into configuration dialog (Please refer to the chapter 8 for detail information)**
14	**Camera Name**	**The name given to the camera.**
15	**Recorded Time**	**The recorded time of the image**
16	**Minimum**	**Click to minimize the main panel**
17	**Exit Button**	**Click to exit this program**

2. Screen Division layout select

2.1. Full Screen Display Mode

Click on the "  " to switch to full screen display mode.

2.2. Sequence Display Mode

Click on the "  " to display video in sequence mode.

Please refer to "Chapter 8.4 Sequence setting" for the allocation of the video screen in sequence display mode.

2.3. Select different screen division display mode

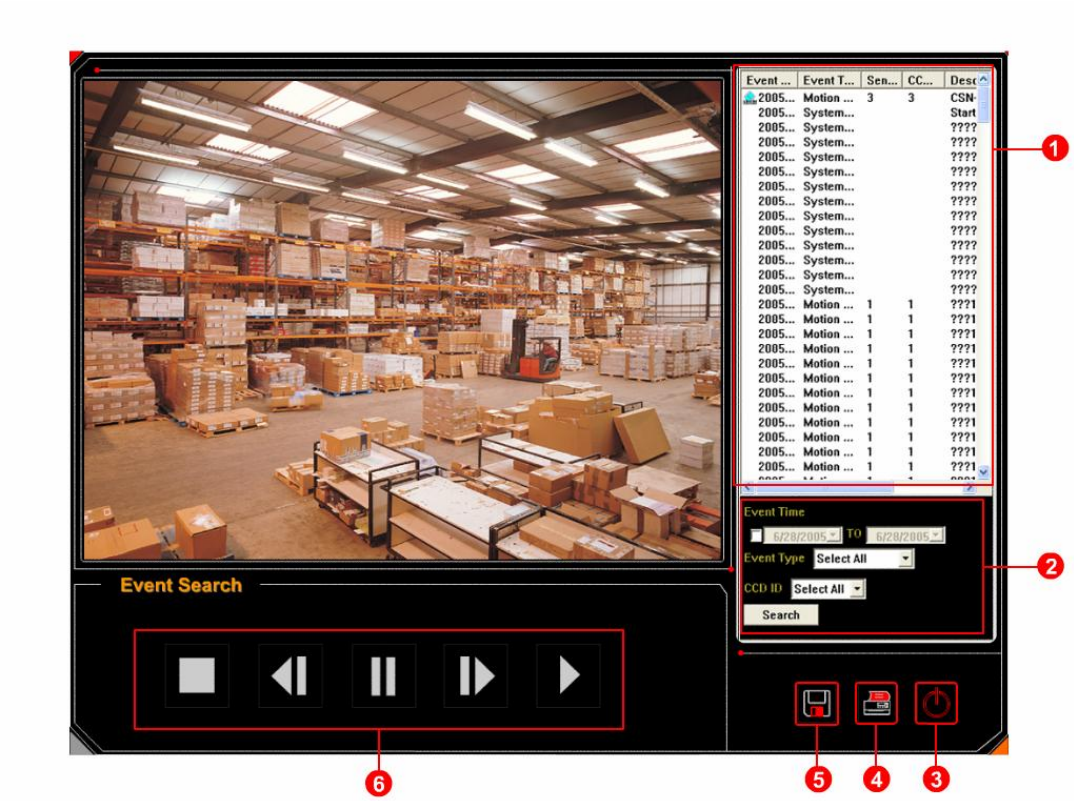
Click on other icons for different screen division layout.

※Tips:

Please note that for different screen division layout you can use the right button of the mouse to select other un-displayed channel as shown below:

3. Event Log List Panel

Click on "  " in main monitoring panel to get into the panel of Event log list:



	Name	Description
1	Events list table	List up to 500 events with “Trigger Time”, “Event Type”, “Sensor ID”, “CCD ID” and “Description”. Note: an “  ” icon in front of event indicate a video clip come with the event.
2	Event list search	Search events by specifying Trigger Time, Event Type and CCD ID
3	Return to main panel	Click to return to the main monitor panel
4	Print Image	Click to print the current image Note: Please click pause first before print image
5	Save Image	Click to save the current image as Bmp or Jpeg
6	Video playback control	Stop, Previous frame, Pause, Next frame, play

3.1. Enable video record with the Event log

The user can enable video recording when Motion detected or Sensor detected. Please refer to “Chapter 8.5 Motion detection setting” and “Chapter 8.6 Sensor settings” for detail information.

3.2. Pre-alarm recording

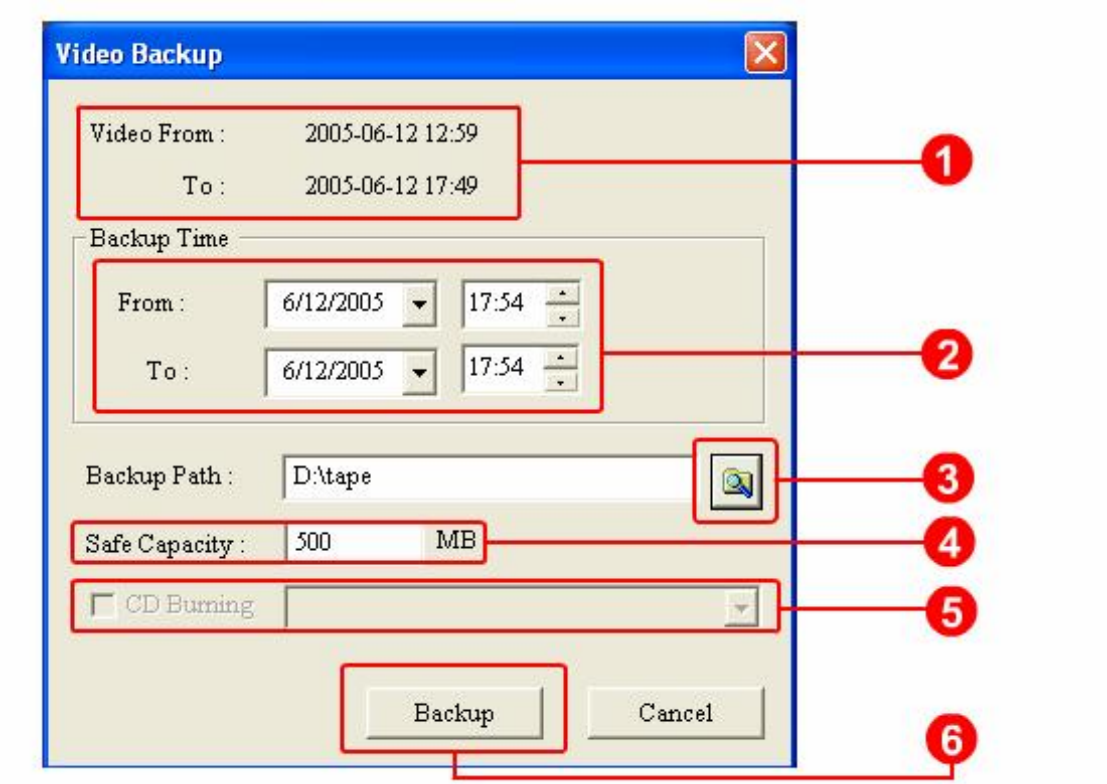
Each event is allowed to record video for 3 seconds before the event is triggered.

3.3. Video Recording Time with Event triggered

The recording time of each event is 13 seconds.

4. Video Backup

Click on the “  ” in main monitoring panel to get into the configuration dialogue of video backup:



	Name	Description
1	Video Time	Total recorded period
2	Backup Time	Time period to be backup into external storage
3	Backup Path	Click to browse the backup path of external storage
4	Safe Capacity	The Safe Capacity of external storage
5	CD Burning	Backup to CD-RW
6	Backup	Click to start to backup

4.1. Minimum Safe Capacity

A minimum safe capacity must be specified. The Minimum safe capacity is 500MB.

4.2. CD-Burn software

To enable the CD-Burn function, please install the Nero version 5.5.8.2 or later version.

5. Playback Panel

Click on the "  " in main monitoring panel to get into the Playback Panel:

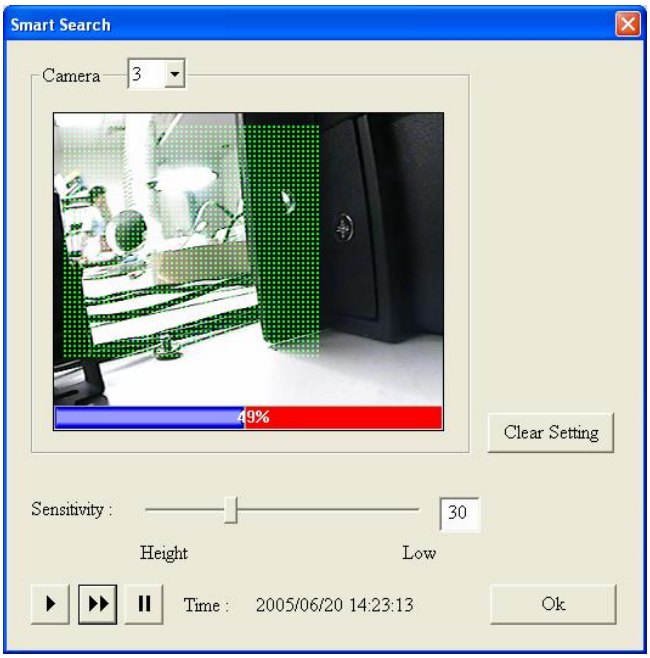
	Name	Description
1	Message	Display the current operation
2	Smart search	Click to get into Smart Search Dialog (Refer to 6.1 for detail information)
3	Audio	Click to select channel to play with Audio
4	Search by Date & time	Search video by input specified Date and Time
5	Playback control	Play, Pause, Stop, Rewind, Previous frame, Next frame Fast rewind (Refer to 6.2 for detail information)
6	Save	Save as image(*.bmp, *.jpg) or Video(*.avi) (Refer to 6.3 for detail information)
7	Print	Selected image printing (Refer to 6.4 for detail information)
8	Exit	Return to main screen
9	Screen Division	The selection of different screen division layout.
10	Total Record Time	In “Start” column shows the start time of the total recorded period in the storage In “Now” column shows on the current time of

		the index on the Slide-Bar **In "End column shows the End Time of the total recorded period in the storage.**
11	**Video Slide Bar**	**Video Searching by sliding control bar** **(Refer to 6.5 for detail information)**

5.1.

Smart Search

Please click on the "  " to get into the dialogue for Smart Search. In the Smart Search Dialogue, the user can search the recorded video via the movement detection of marked area on the video screen.

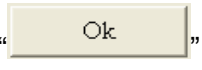


Step1 Use the Left-Button of Mouse to drag and mark an area on video screen

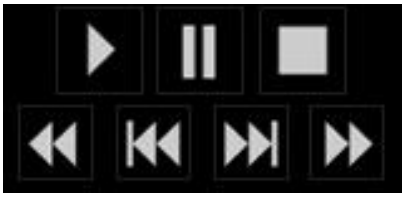
Step2 Adjust the Sensitivity to detect the movement in the specified area.

Step3 Click  to start search. When the movement in the specified area is detected, the video will stop automatically for the user to check the image. The user can then click on the "  " to keep the video playing at normal speed.

Step4 Click on the "  " again to find next movement in the specified area.

Step5 Click on "  " go back to the Playback Panel.

5.2. Playback control buttons



5.2.1. Play video at different speed

Click on the "  " to switch video playback speed at:
2X, 4X, 6X, 8X, 10X, 1/2X, 1/4X, 1/6X, 1/8X and 1/10X speed.

5.2.2. Rewind video at different speed

Click on the "  " to switch video backward speed at :
2X, 4X, 6X, 8X, 10X, 1/2X, 1/4X, 1/6X, 1/8X and 1/10X speed.

5.2.3. Search video by frame

Step1 Click on "  " key first.

Step2 Click on "  " to view next frame.

Click on "  " to view previous frame.

5.3. Save image or video

The user can save the video of each camera as image files(*.jpg or *.bmp) or video files(*.avi). Please click on the "  " on the "Playback Panel" to get into the dialogue to save video:

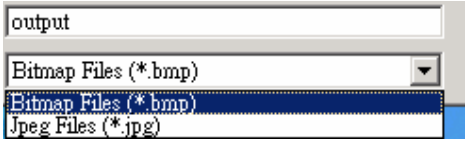
5.3.1. Save Image Files

Please select "Image file" to save the video as image

Click “ 

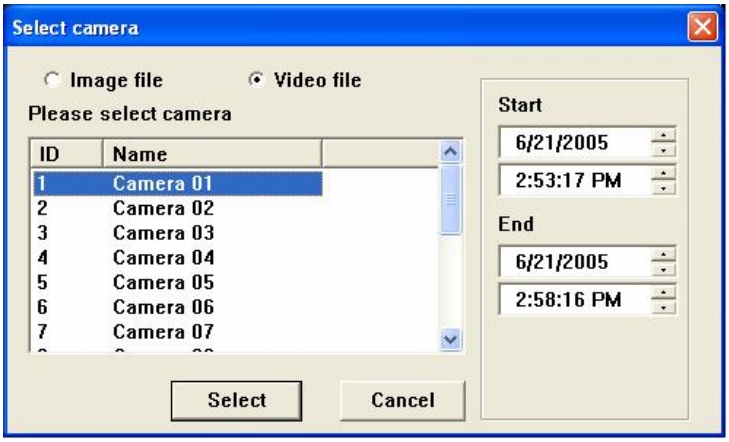
” to save the image of the selected camera.

The image files can be saved as Bitmap Files(*.bmp) or Jpeg Files(*.jpg)



5.3.2. Save Video Files

Please select “recording file” to save the video of camera as AVI.



Please specify the Start Time and End Time, and select the camera then click on the “Select” to save the video of selected camera as AVI file.

5.4. Print video image

Step1 Please click on “  ” first, when the desired video show up.

Step2 Click on the “  ” to get into the Dialogue for print.

Step 3 Click on "  " to print out the image of selected camera

5.5. Quick search video with Slide-Bar

(Add the picture of the slide-bar here)

Users can use the mouse to click and drag the Slide-Bar to search the video quickly. And the in the "Now" column shows the current time of the index on the Slide-Bar.

5.6. Digital Zoom

Step1 Move the mouse cursor to any one of video screen on the "Playback Panel" and click on the Right Mouse Button.

Step2 A pop-up Menu will show up. Please select "Zoom In" in the Menu

Step3 The Image Viewer for digital zoom with show up:
(Add the picture of Image viewer)
Click on the Left Mouse Button to zoom in.
Click on the Right Mouse Button to zoom out.

6. P/T/Z Control Panel

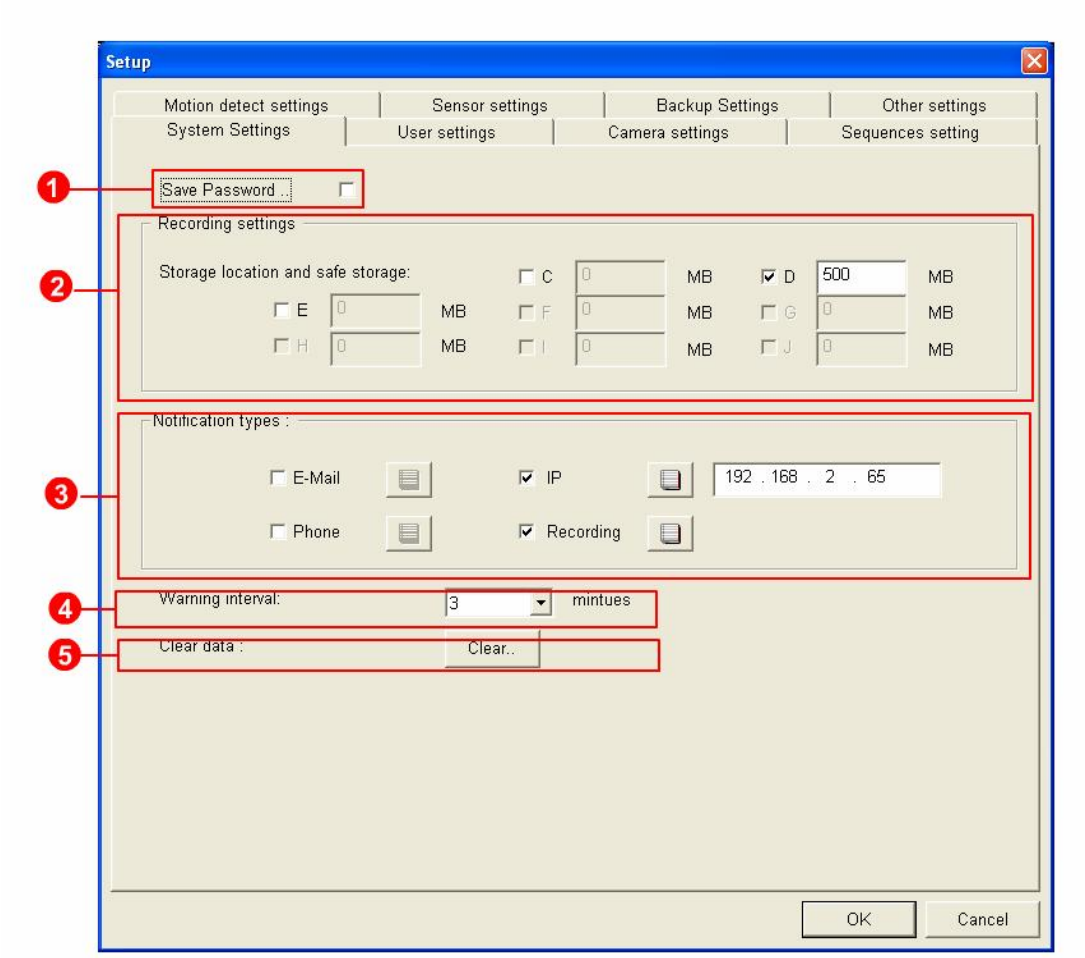
Click on the "  " on the Main Monitor Panel to switch to the PTZ control panel:

	Name	Description
1	Call Preset Points	Click on different number to move the speed dome to different preset points Click on “Set” to setup preset points
2	Direction control	Move Up, Down, Left, Right, Click on “Auto” to enable automatically panning among preset points
3	Speed Control	Adjust Pan & Tilt speed by sliding bar
4	Exit	Return to main screen
5	Focus/Zoom Control	To adjust Focus/Zoom of the cameras manually
6	Select Camera	Click on numbers to select different camera

7. System Setup(Configuration)

Click on the “  ” in Main Panel to get into the configuration dialogue for system setup:

7.1. System setting



	Name	Description
1	Save Password	Enable this Item will allow PC to automatically login after reboot
2	Recording Setting	Select which disk to be used for video storage. Must specify at least 500MB as safe storage.
3	Notification Type	Click on “  ” to setup the week schedule of each kind of Notification Type. Please refer to Chapter 8.1.1 for detail information.
4	Warning Interval	Specify the time interval between each alarm
5	Clear Data	Click to enter the dialog to clear data. Please refer to Chap 8.1.2 for detail information

7.1.1. Notification Types

There are four kinds of notification types available in the DVR system. The user can click on the “  ” to setup the week schedule of each kind of notification type. The

notification will work only in the valid time period in the week schedule setup by user..

[Schedule of E-Mail Notification]: The E-Mail notification will be enabled according to the week schedule setup by user here. There are two kinds of event types can be notified via E-Mail: Motion Detect & Sensor Detect.

Note:

Please refer to “Chapter 8.5 Motion detect setting” for detail information about E-Mail notification of event of motion detect.

Please refer to “Chapter 8.6 Sensor setting” for detail information about E-Mail notification of event of sensor detect.

[Schedule of IP notification]: When there is event triggered, the image will be sent out to the IP address specified here. And the IP notification will be enabled according to the week schedule setup by user here.

The PC in remote site must also install the “Event Center” to retrieve the image transferred from the server. Please refer to “Chapter 9 Event Center” for the detail information about installing Event Center in Remote Site PC.

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[Schedule of Phone notification]: The Phone notification will be enabled according to the week schedule setup by user here. The system will dial out with voice message when there is event (Motion Detect & Sensor Detect) triggered.

Note:

Please refer to “Chapter 8.5 Motion detect setting” for detail information about Phone notification of event of motion detect.

Please refer to “Chapter 8.6 Sensor setting” for detail information about Phone notification of event of sensor detect.

Please refer to “Chapter 8.2 User Setting” for the telephone number setup.

[Schedule of Event Video Recording]: The Video Clip with event log will be enabled only according to the week schedule setup by user here.

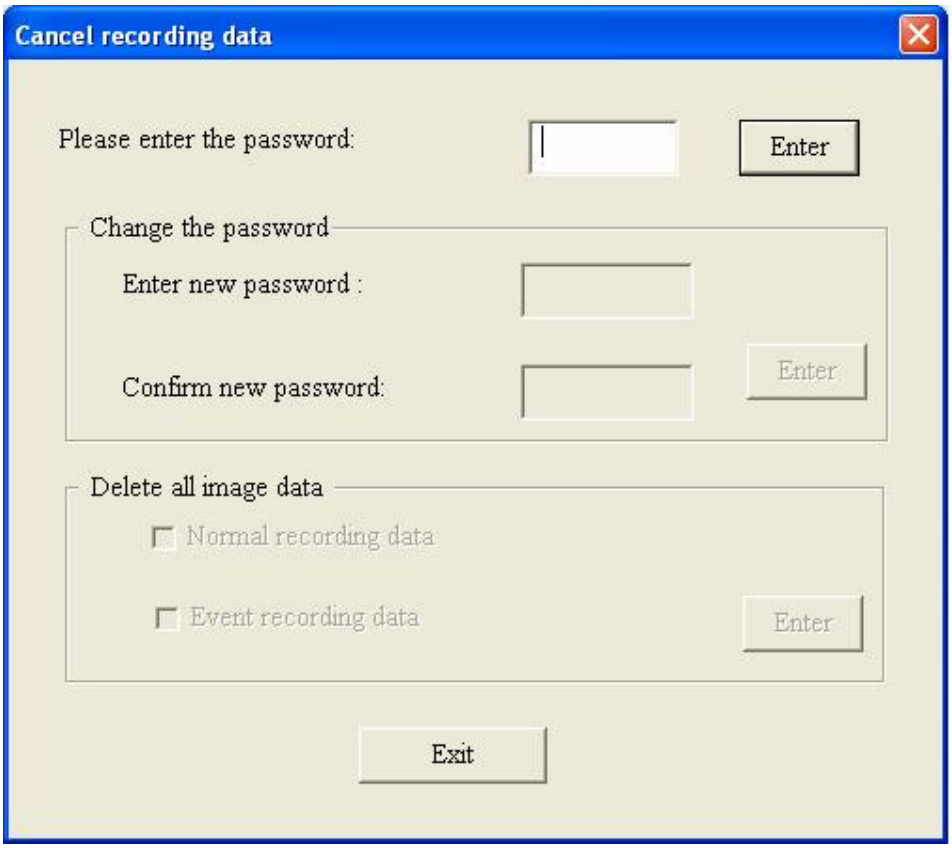
Note:

Please refer to “Chapter 8.5 Motion detect setting” for detail information about enable video clip with event of motion detect.

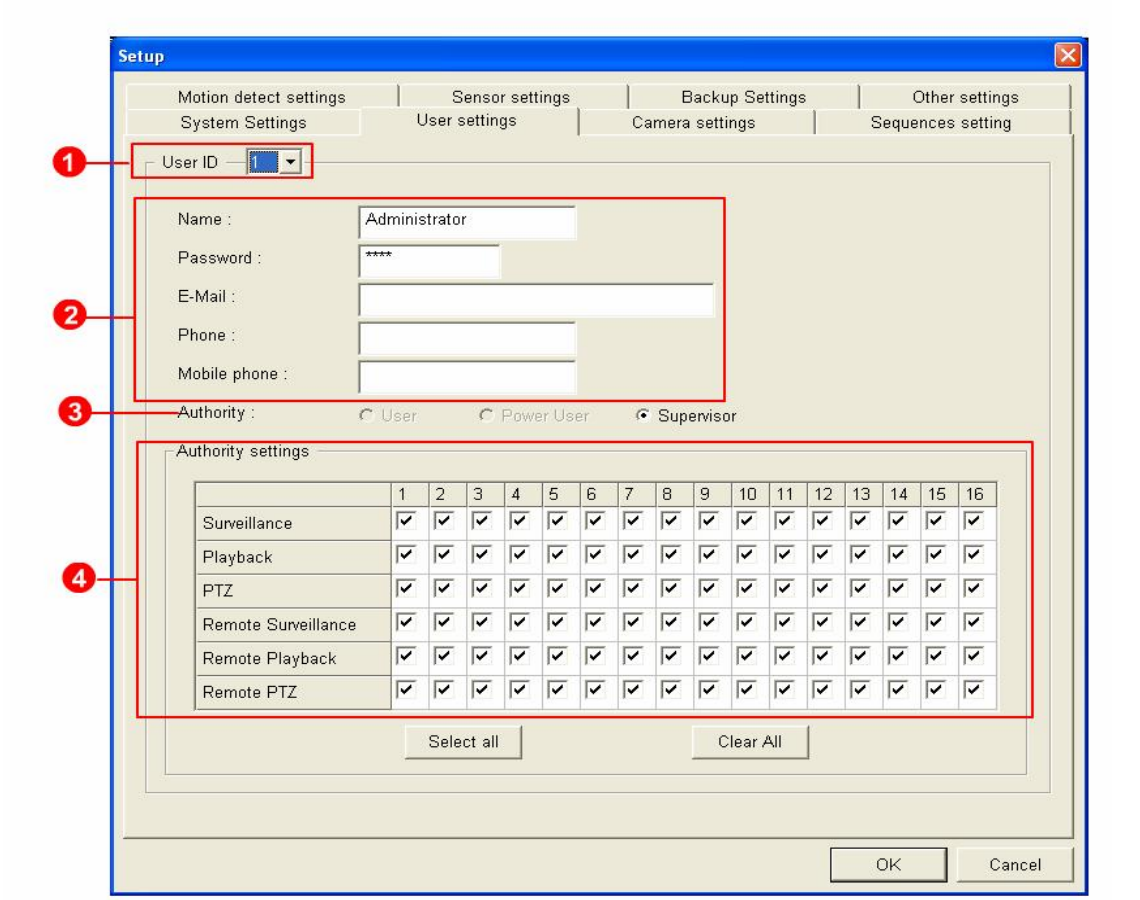
Please refer to “Chapter 8.6 Sensor setting” for detail information about enable video clip with event of sensor detect.

7.1.2. Clear Data

Click on “ Clear.. ” to get into the dialogue to clear the recorded file. The default password is 1234. The user can also change the password in this dialogue.

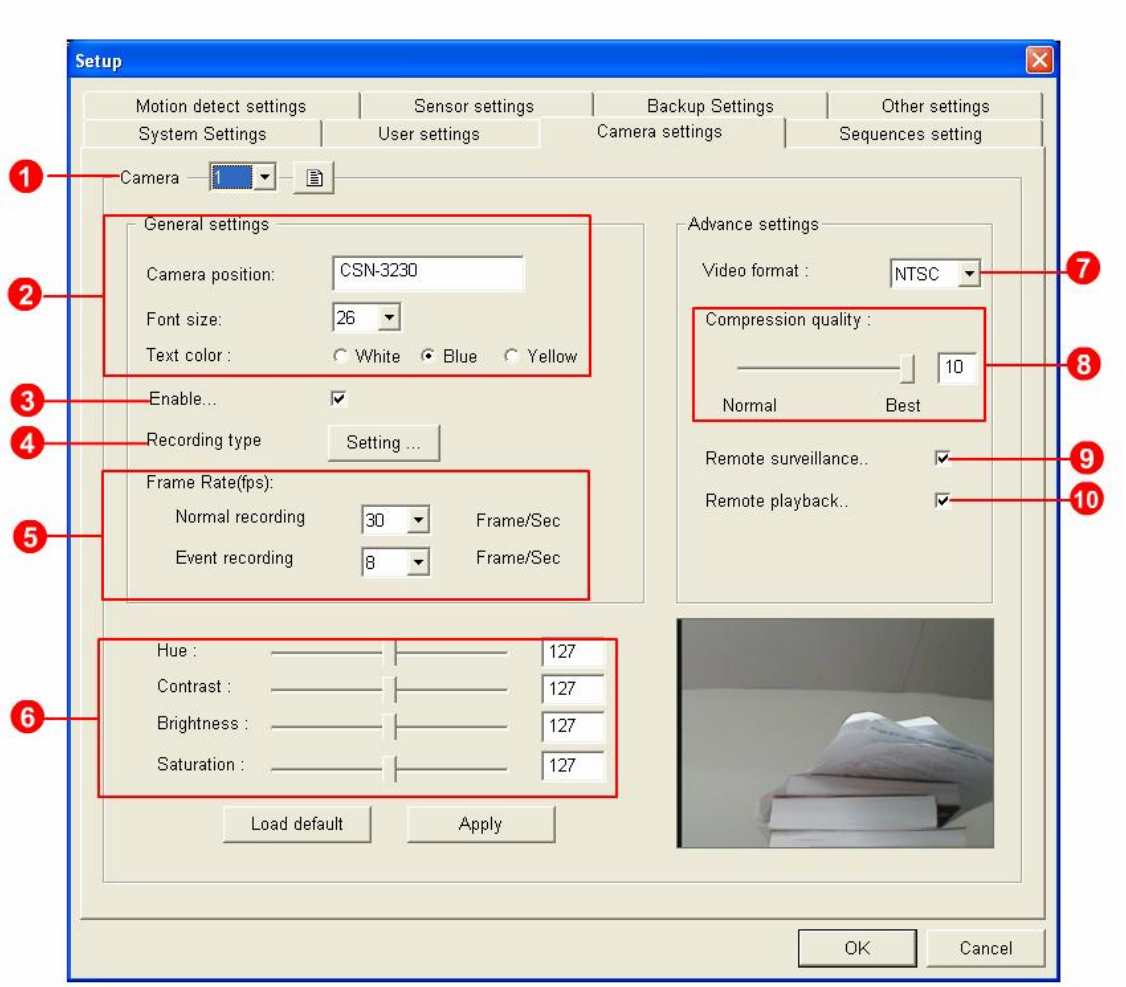


7.2. User Setting



	Name	Description
1	**User ID**	**Select User ID here, the User 1 is default as Administrator and the default password is 1234**
2	**User Information**	**Please key in the user information here** **Note: The E-Mail address, Phone number and Mobile phone number is used for Personal Notification of event trigger. Please refer to "Chapter 8.6 Motion detect" and "Chapter 8.7 Sensor detect".**
3	**User Authority Type**	**Supervisor:** Only supervisor is allowed to get into the configuration dialog. **Power User:** Power user is allowed to backup recorded videos to external storage. **User:** The normal user is not allowed to get into configuration dialog or back up videos
4	**Camera Authority**	**Click the column here to enable or disable authority of camera 1 to camera 16.**

7.3. Camera setting



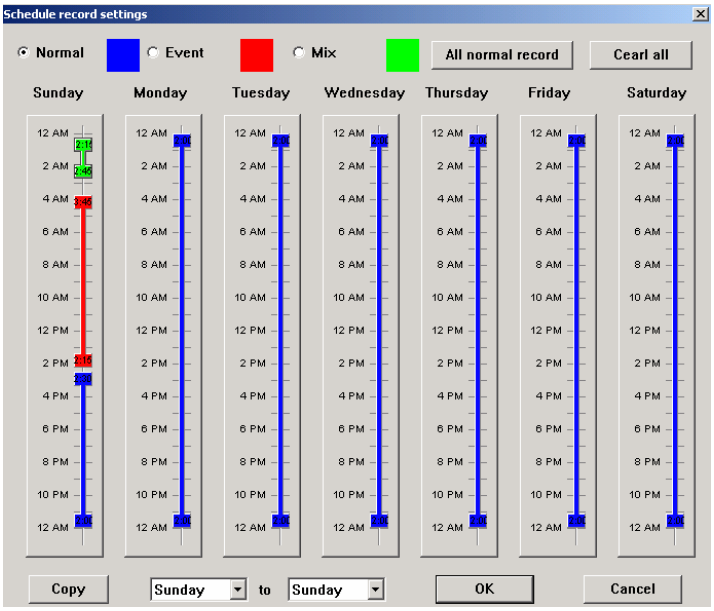
	Name	Description
1	Camera ID	Select Camera ID which to change the configuration. Note: If click “Apply to All” any configuration change will be applied to all other cameras.
2	Camera Position	The text of “Camera Position” will show on the video screen of each camera. Users can specify the Text color and font size here.
3	Enable Camera	To Enable/Disable camera here
4	Recording Setting	Click on “Setting” to set up the weekly recording schedule of camera. (Please refer to 8.3.1 for detail information)
5	Record Frame Rate	Setup the recording frame rate for normal and event triggered. Please refer to “8.3.1 Recording frame rate”
6	Color Setting	The color setting of Camera video
7	Video format	Specify NTSC or PAL according to the installed

		camera here. Wrong setting will cause black & white video and unstable video.
8	**Compression quality**	**Higher compression quality brings better recorded video quality. But the recorded file size will also become bigger.**
9	**Remote Preview**	**To enable current camera for remote site viewing**
10	**Remote Playback**	**To allow the camera to be playback from remote site.**

7.3.1. Week Recording Schedule

Click on the “Setting” to get into the dialog of “Schedule record setting”

The camera video will be recorded according to this schedule.



There are 3 kinds of recording type available in the week schedule:

[Normal Recording] In the period of “Normal recording”, the video will be recorded at the “normal recording frame rate” specified in “Camera Setting” dialogue.

[Event Recording] In the period of “Event recording”, the video will be recorded only when there is event (Motion detect or Sensor detect) triggered. And the video will be recorded at “Event recording frame rate” specified in “Camera Setting” dialogue.

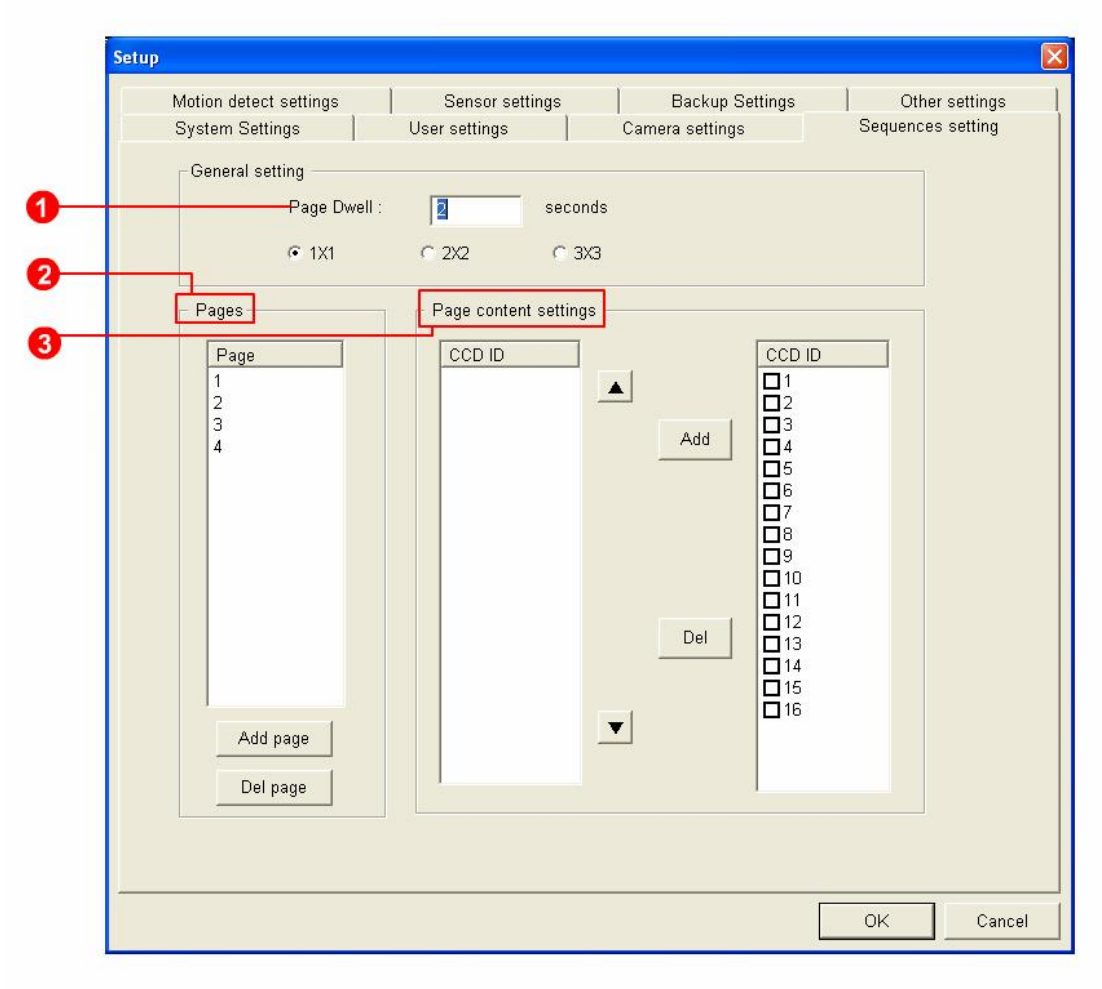
[Mix Recording] In the period of “Mix Recording”, the video will be recorded at the “normal recording frame rate” when there is no event triggered. And when there is event triggered the video will be recorded at the “Event recording frame rate”

Note:

The [Mix recording] is most suggested to use storage more efficiently. For example the user can set the video record at low frame rate(1 fps) in normal situation and record at high frame rate(5 fps) when there is event triggered.

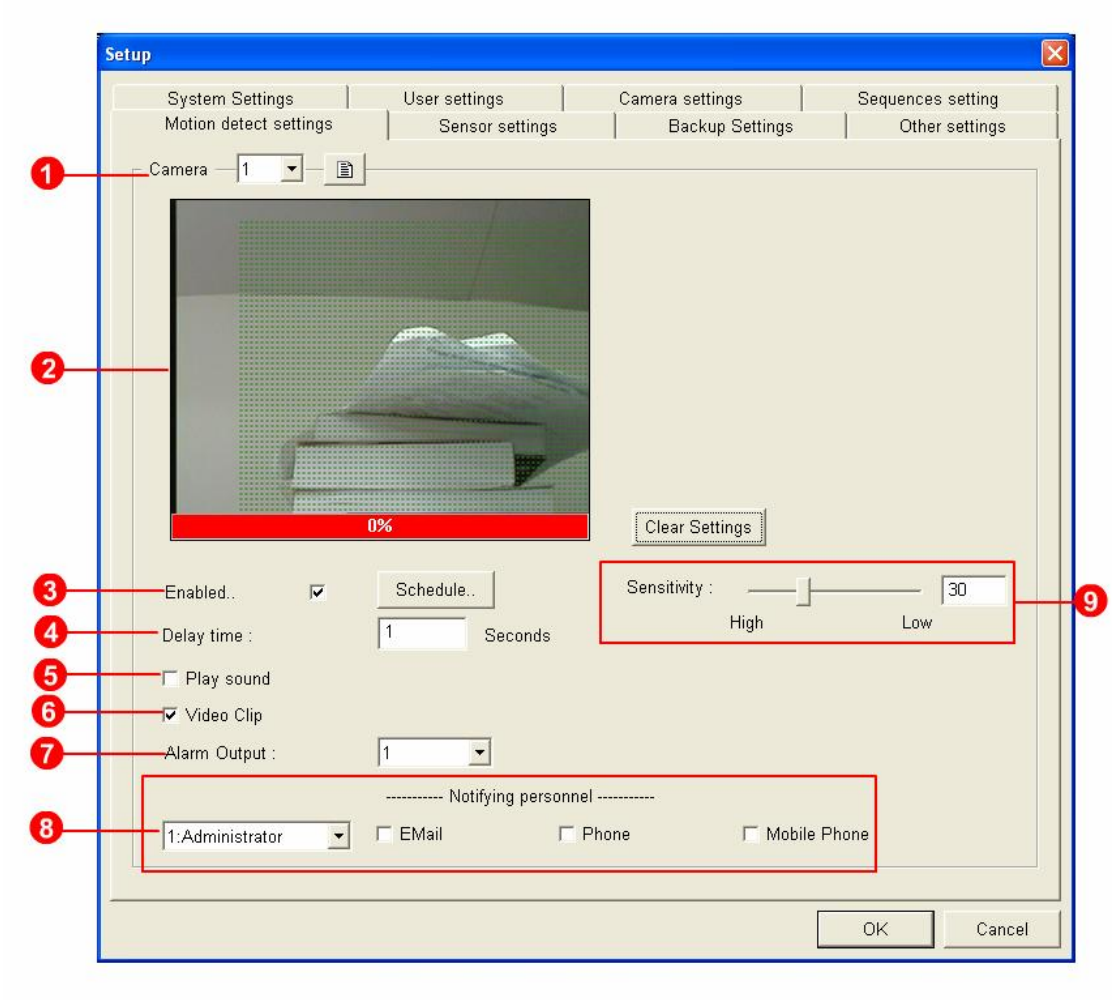
7.4. Sequence setting

Click on the “  ” in Main Monitor Panel to display video in sequence mode. User can setup the allocation of video screen in sequence display mode here.



	Name	Description
1	Page delay time	Setup the delay time of each page and the matrix type here.
2	Pages	Select page which is to be assigned with CCD ID
3	Page Content setting	Assign which CCD ID to show in the selected page

7.5. Motion detection setting

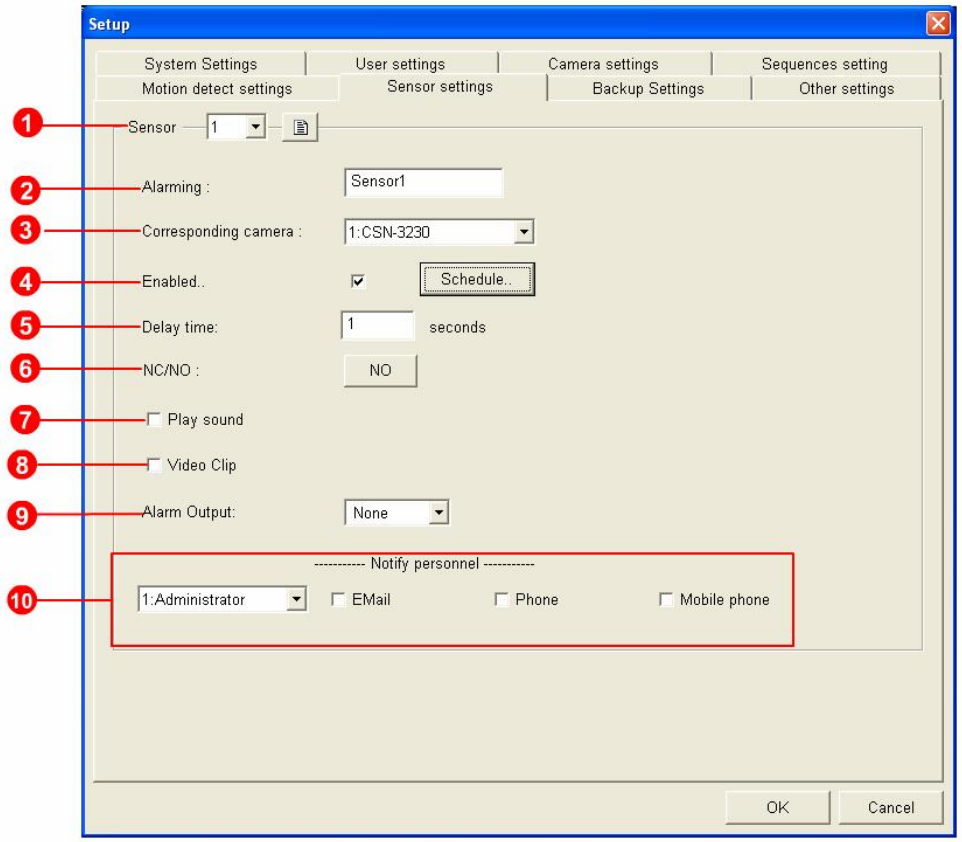


	Name	Description
1	Camera ID	Select Camera ID which to be configured. Click on the "Apply to all" will allow the user to configure all the cameras at same time.
2	Camera Video	Use the Left-Mouse-Button to click and drag the area on the video screen for motion detection. Note: On the bottom of video screen shows the strength level of the motion detected
3	Enable Motion Detection	Click here to enable motion detection .Click on the "Schedule" to setup the week schedule of motion detection.
4	Delay Time	The alarm will be triggered only after the motion detection

		is triggered continuously for the seconds specified here. Note: This design is to avoid miss-trigger of motion detection event.
5	Play Sound	Play sound when motion detect event is triggered.
6	Video Clip	Enable video recording in Event List Table. Refer to “Chapter 4 Event Log Panel”
7	Alarm Output	When motion detected, the system will then trigger the specified Alarm Output here. This function will require the SEC-DIO board. Refer to Chapter 1 Hardware Installation.
8	Notifying Personnel	User can specify which person to notify via E-Mail or Phone or Mobile Phone.
9	Sensitivity	The sensitivity of motion detection.

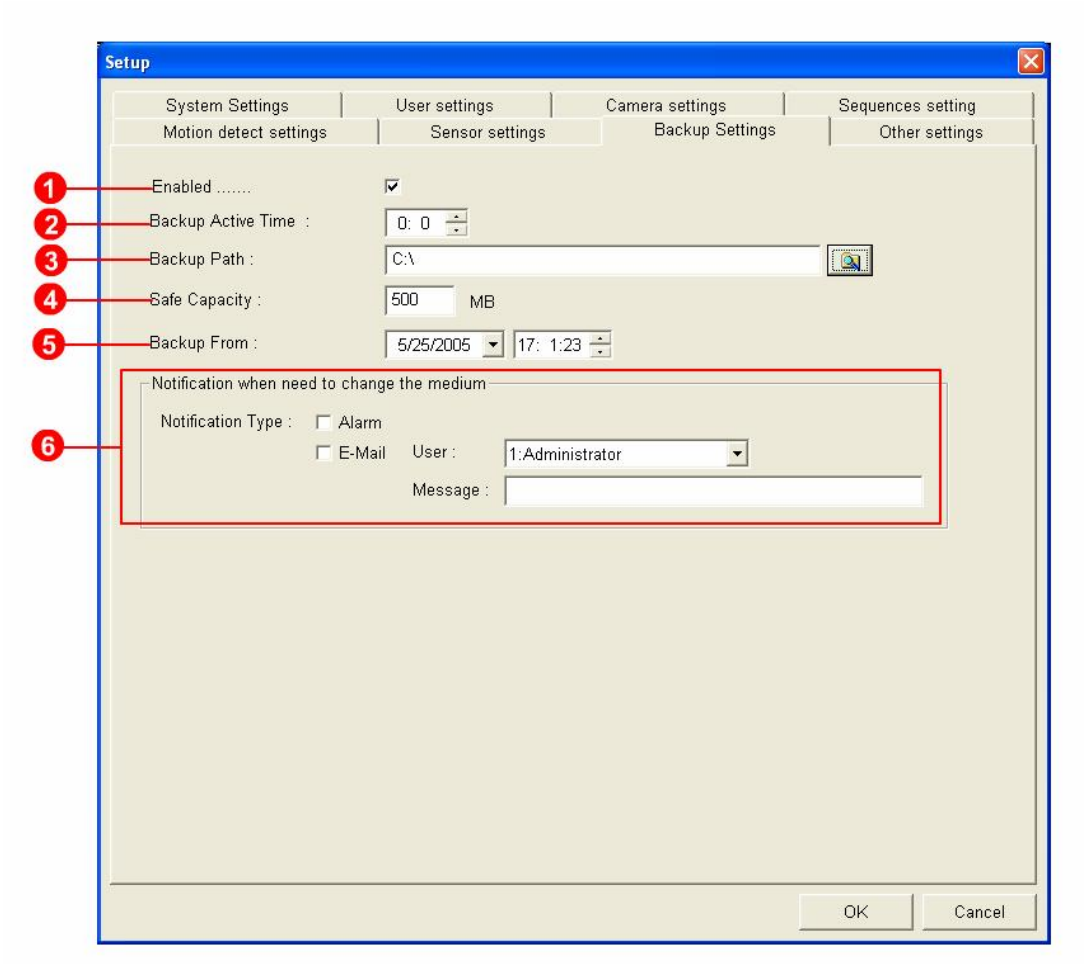
7.6. Sensor settings

This function will require the SEC-DIO board. Refer to Chapter 1 Hardware Installation.



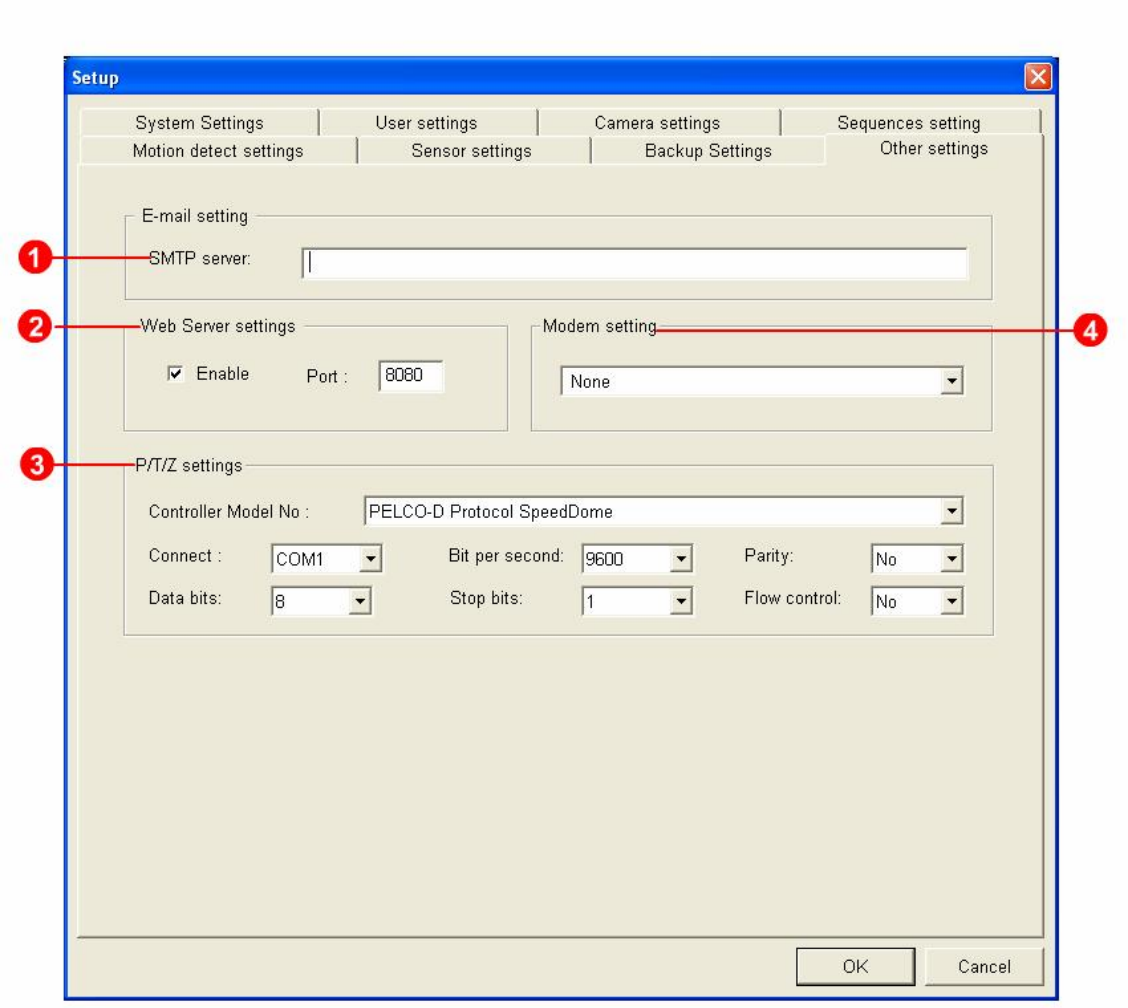
	Name	Description
1	Sensor ID	Select Sensor ID which to be configured. Click on the "Apply to all" will allow the user to configure all the sensors at same time.
2	Alarming	Specify the name of current sensor. The name will show up on the Event Log List, and also the message box of Main Monitor Panel.
3	Corresponding Camera	Select the camera to be related with current sensor.
4	Enable Sensor Detection	Click here to enable sensor detection .Click on the "Schedule" to setup the week schedule of sensor detection.
5	Delay Time	The alarm will be triggered only after the sensor detection is triggered continuously for the seconds specified here. Note: This design is to avoid miss-trigger of sensor detection event.
6	NC/NO	NC(Normal Close): indicate sensor is normally at 0 NO(Normal Open): indicate sensor is normally at 1
7	Play Sound	Play sound when motion detect event is triggered.
8	Video Clip	Enable video recording in Event List Table. Refer to "Chapter 4 Event Log Panel"
9	Alarm Output	When sensor detected, the system will then trigger the specified Alarm Output here.
10	Notifying Personnel	User can specify which person to notify via E-Mail or Phone or Mobile Phone.

7.7. Backup settings



	Name	Description
1	Enabled	Click here to enable Auto Backup
2	Backup Active Time	The daily time to active auto backup.
3	Safe Capacity	The minimum value is 500 MB
4	Backup From	To backup video from the specified Date and Time
5	Notification	The system can send alarm or E-mail to notify user to change the external storage when full.

7.8. Other setting



	Name	Description
1	SMTP Server	Specify the SMTP server for out going E-mails
2	Web Server Setting	Select this item to enable the Remote surveillance function by IE. You can modify the port number is the port 80 is occupied.
3	PTZ Settings	Select the protocol for PTZ control and the Com port for communication.
4	Modem Setting	Select the Modem Model for Phone Notification.

8. Remote Access – with Internet Explorer (IE)

The user can access the video server via IE (Internet Explorer) from remote PC.

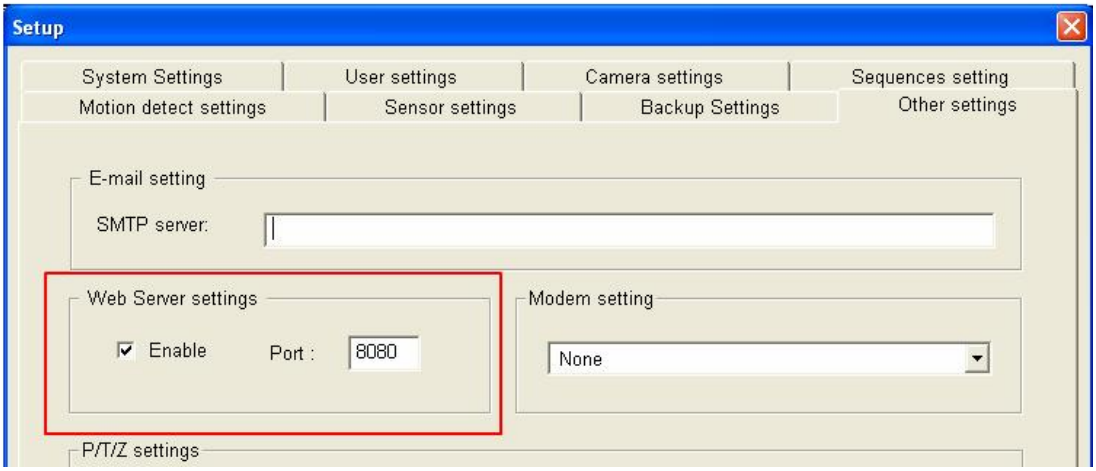
8.1. Setting in Video Server

Here shows the necessary setting in Local Video Server for remote access via Internet Explorer:

8.1.1. Enable the Web Server Setting

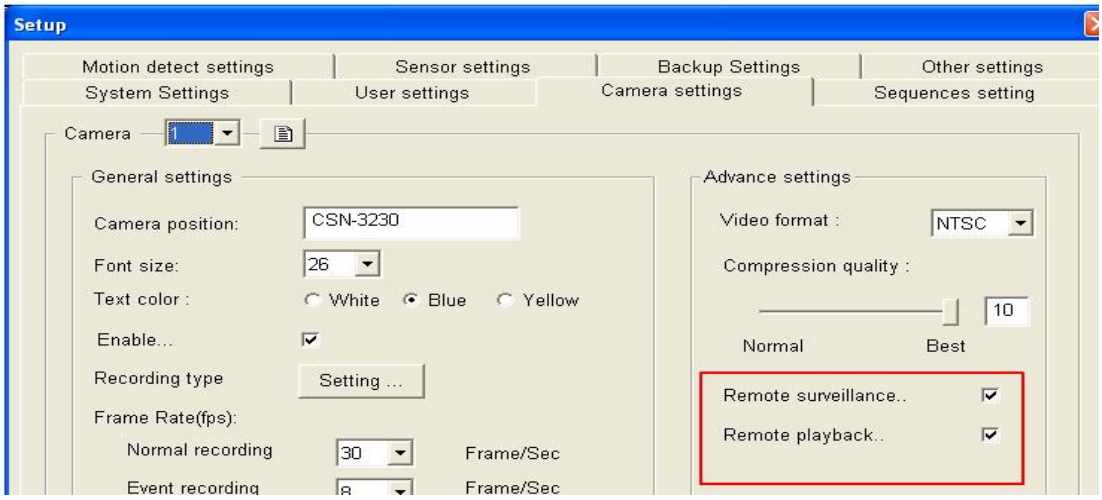
Click on the "  " in Main Monitor Panel of local video server to get into the configuration dialogue for system setup, then select the page of "Other Setting" and enable the Web Server Setting as below:

You can modify the port number is the port 80 is occupied.



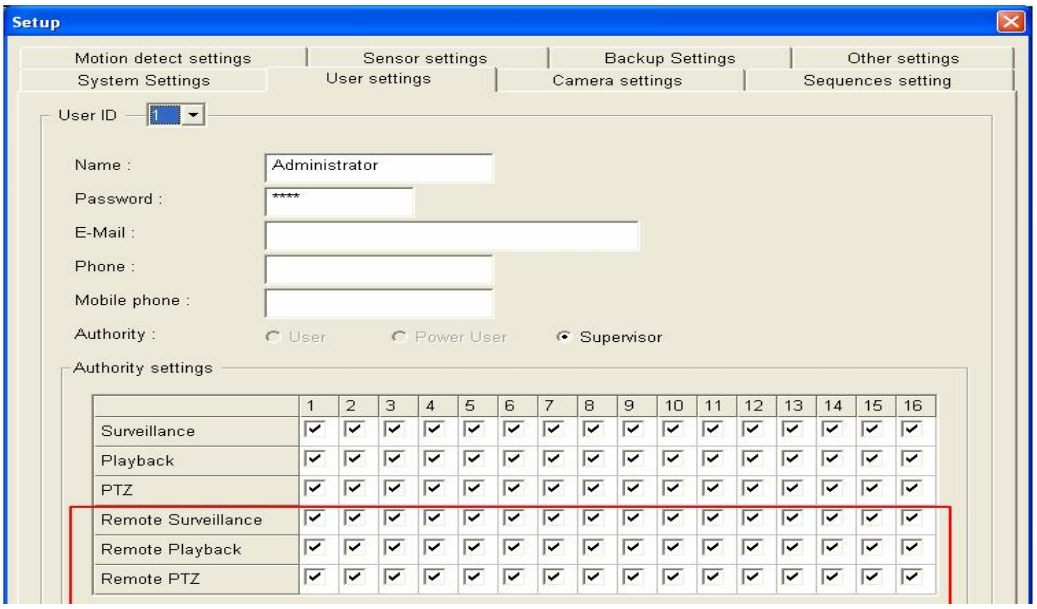
8.1.2. Enable Remote access for camera

Click on the "  " in Main Monitor Panel of local video server to get into the configuration dialog for system setup, then select the page of "Camera Setting" and enable the camera for remote preview and playback as below:



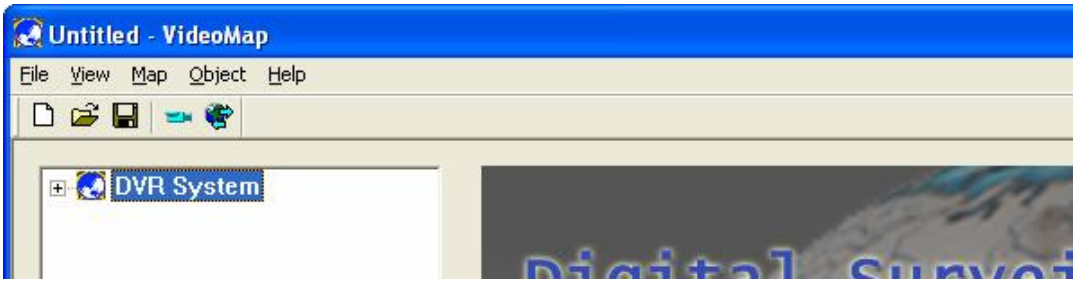
8.1.3. Setup authority of remote access for each camera

Click on the “  ” in Main Monitor Panel of local video server to get into the configuration dialogue for system setup, then select the page of “User Settings” and enable the user authority of all cameras for remote preview, playback and PTZ control as below:

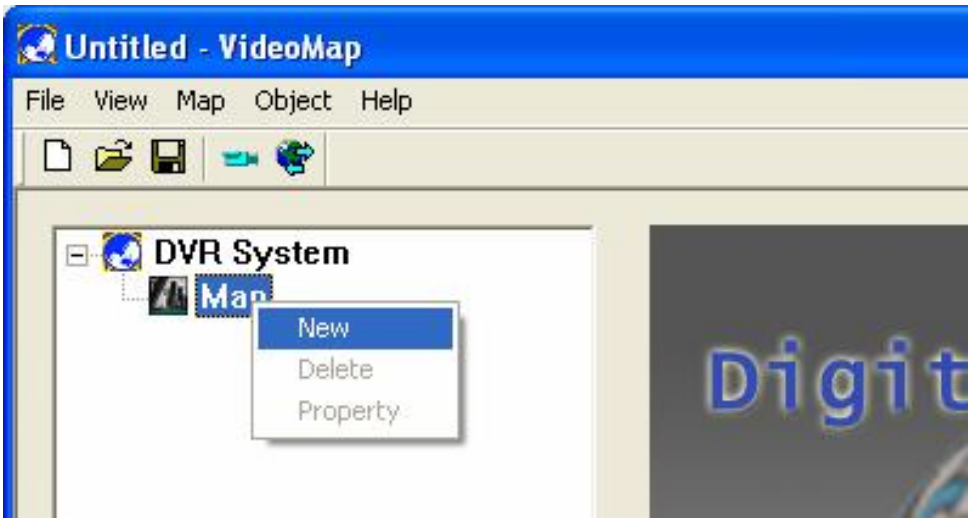


8.1.4. Setup E-Map in Video Server

User can run “C:\DVR\Bin\VideoMap.exe” to edit the E-Map of the Video Server.

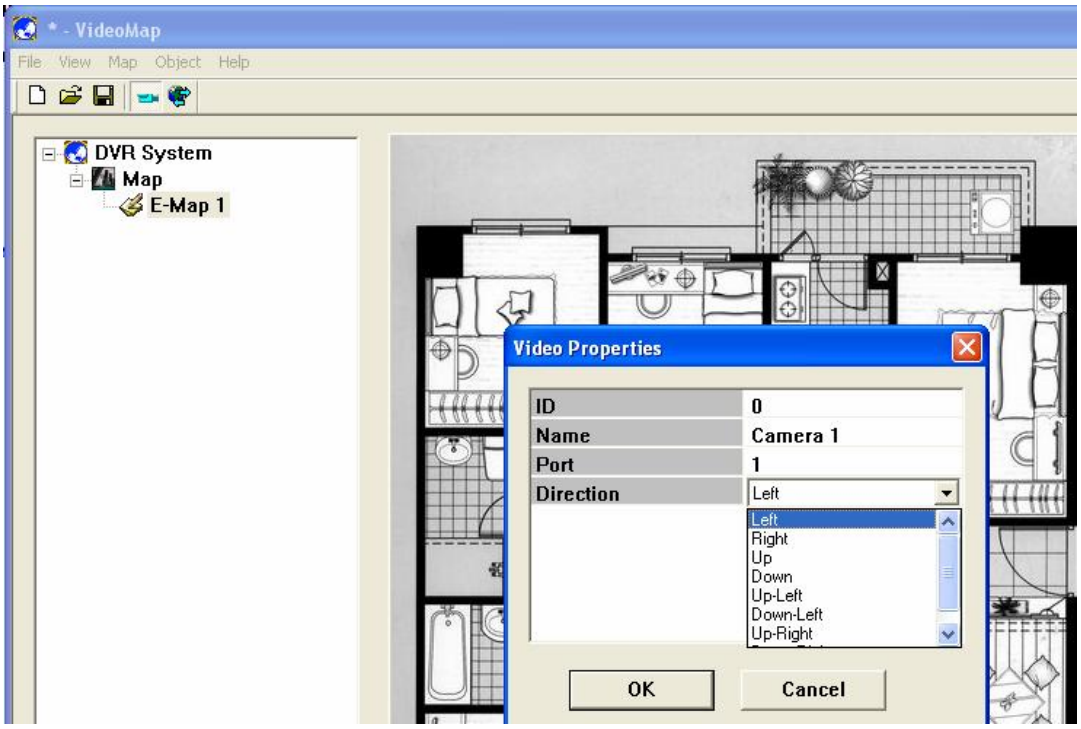


Step1: Select “Map” and click on left mouse key and select “New” to load a new picture of Map to show as E-MAP.

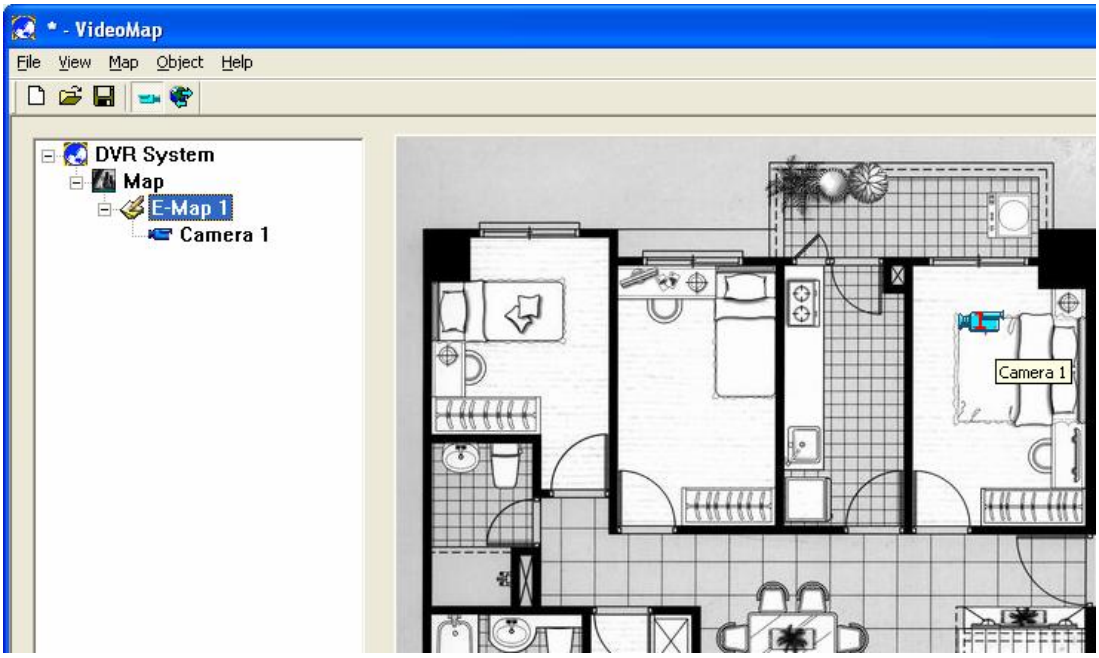


Step2: Click on “….” to browse the folder and select a picture. Click on “OK” to load the E-MAP

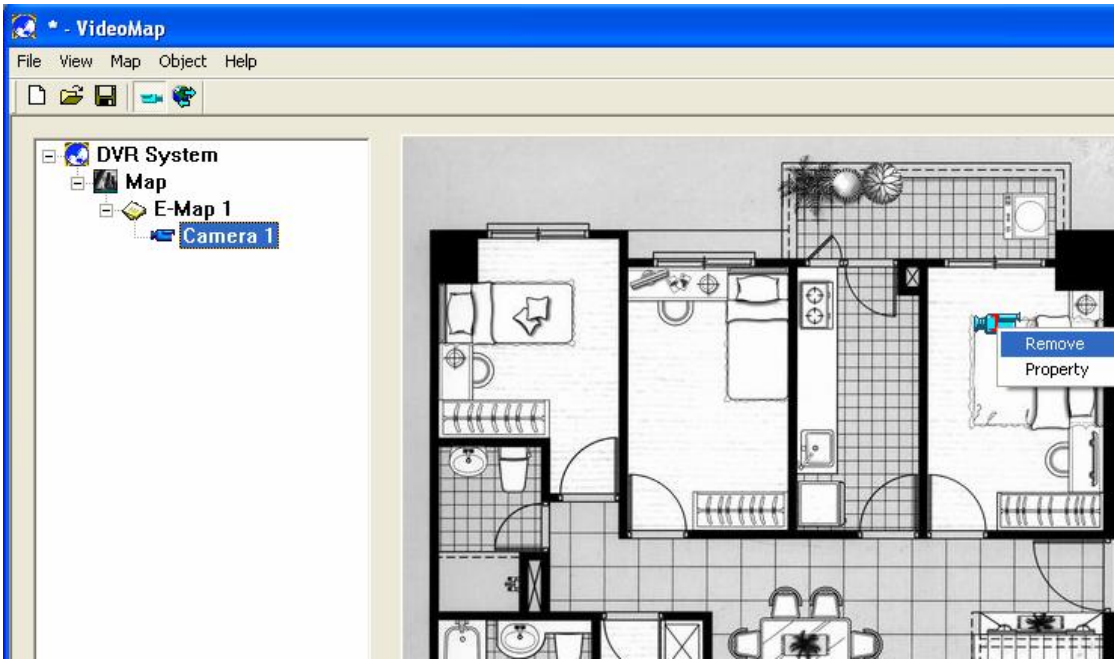
Step3: Click on “  ” first and then click on the E-Map which loaded in. A camera information dialog wll show up. Fill in the information of this camera and click on “OK” to save the new setting.



Step4: A new camera will then show on the E-Map.



Step5: If you want to remove the camera, select the camera icon on the E-Map and click on right-mouse-key and select “Remove” to remove the camera.



Step6: After finishing all the placement of all cameras, click on “ ” to save all the data.

Step7: Click on “ ” to transfer the current E-Map data to the Web Page located in “C\INetpub\WWWRoot”. Then the users login with IE will see the new E-MAP.

8.2. Remote Access via IE

8.2.1. First time access via Internet Explorer

Step1 Before first time access via Internet, please open IE browser and select [tools]→ [Internet Option]→[Security], change the [security level for this zone] to Low.

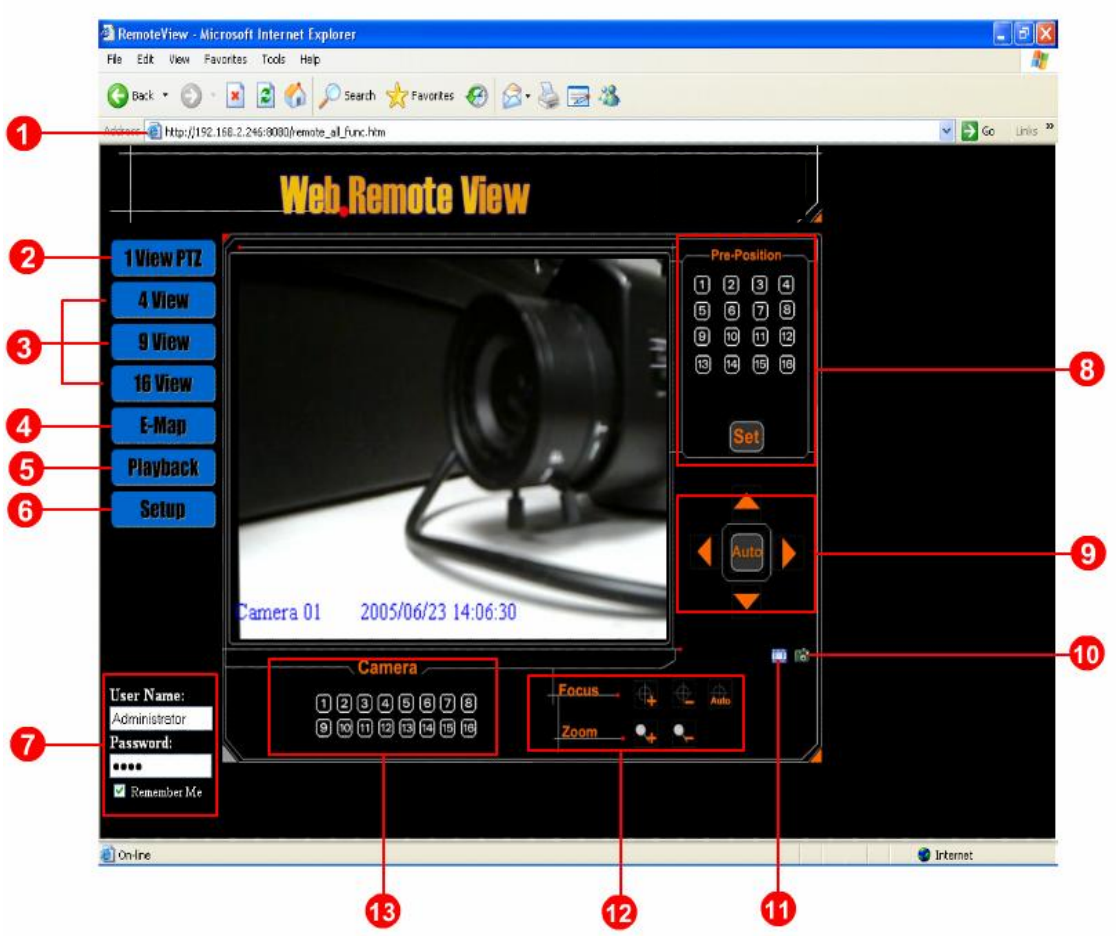
Step2 Key in the IP address of local recording server, and connect to the web page of local video server.

Step3 The screen show below will pop up. Please click on Yes to install and run the OCX transferred from local video server.

Step4 Recover the security level of Internet Explorer after the Installation of OCX.

8.2.2. PTZ control over IE

Open the IE and key in the IP address of local video server, and connect to the web page of local video server. Input the username and password that is the same as the username and password specified in the local video server. Please refer to “Chapter 8.2 User setting”.

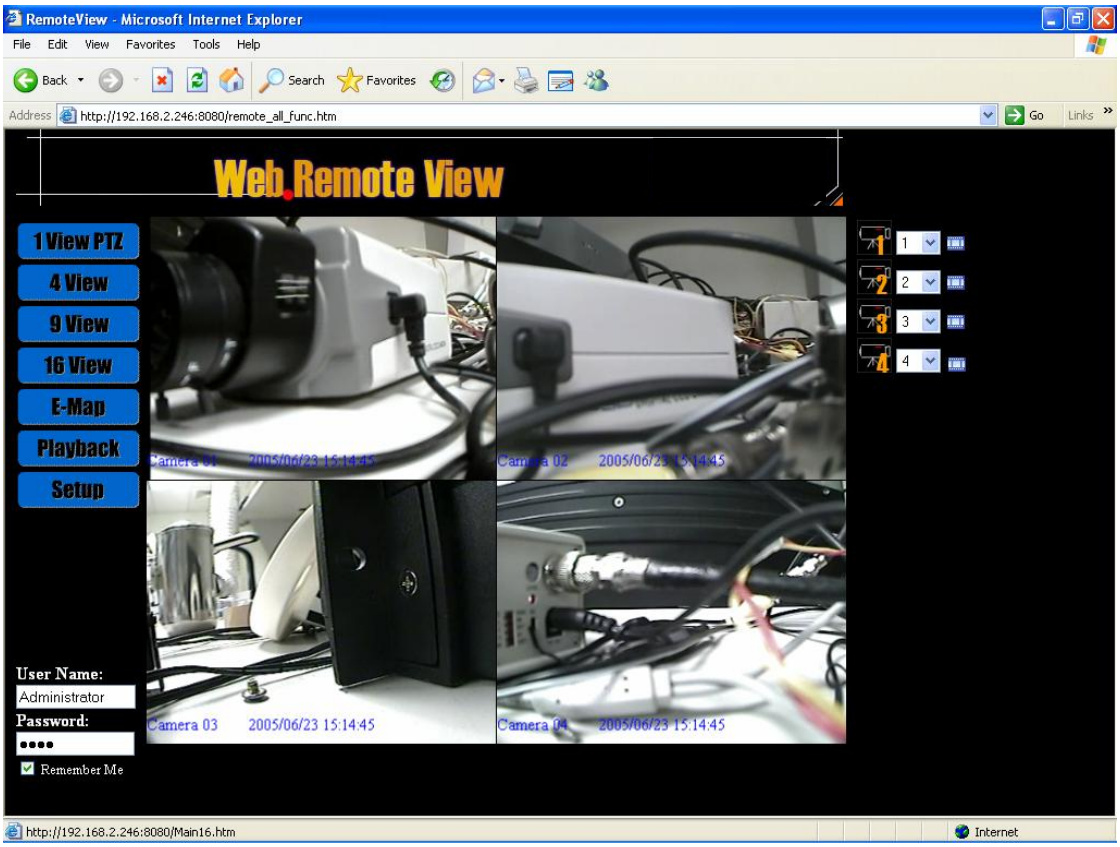


	Name	Description
1	Address	Input the IP address or Domain Name of Video server in the address bar of IE
2	1 View PTZ	Click here for one channel view with PTZ control interface
3	Multi-View	Click here for 4 channels/ 9 channels/ 16 Channels view.
4	E-Map	Click here for Electronic Map of video server site
5	Playback	Click here to enter Playback Panel

6	Setup	Click here to configure the system setting of Video server
7	User Login	Enter the Uers Name and Password here
8	Preset Point	Click on different number to move the speed dome to different preset points Click on “Set” to setup preset points
9	Direction control	Move Up, Down, Left, Right, Click on “Auto” to enable automatically panning among preset points
10	Snapshot	Click here to save the video image
11	Save video	Click here to save the video file
12	Focus/Zoom Control	To adjust Focus/Zoom of the cameras manually
13	Select Camera	Click on numbers to select different camera

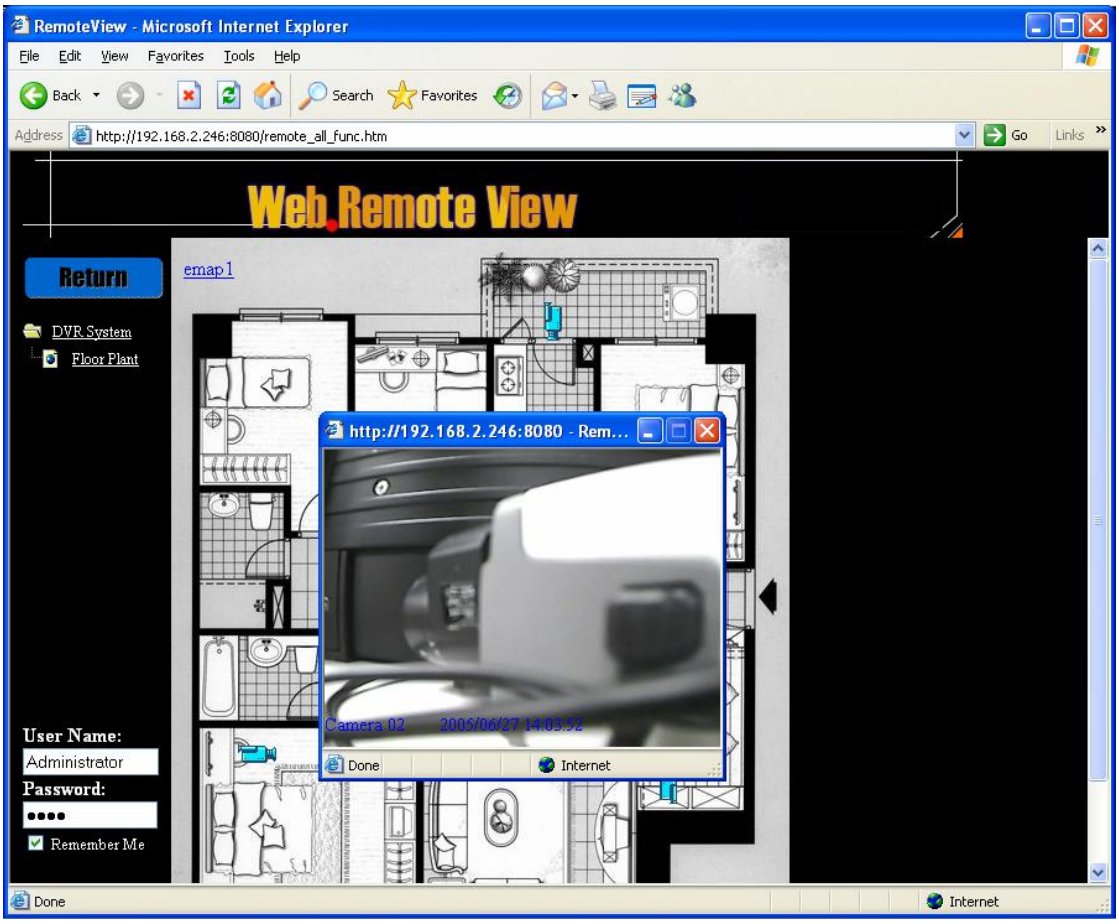
8.2.3. Multi-View over IE

Double click on any video to switch that video to full screen

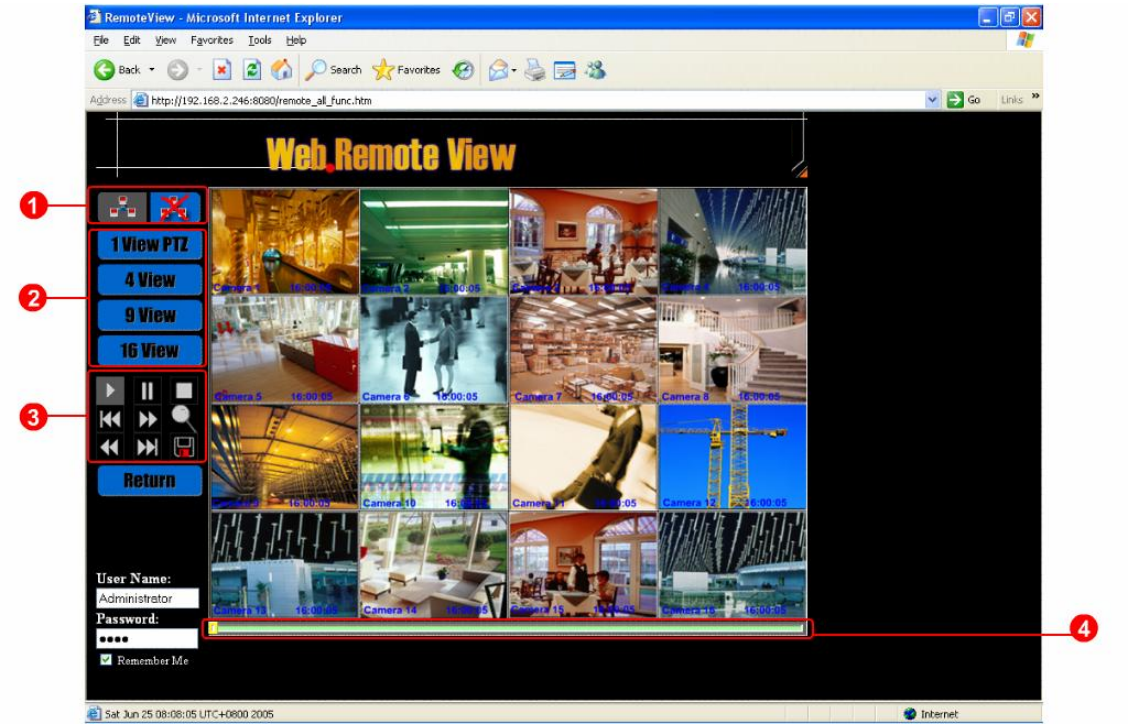


8.2.4. View E-Map over IE

User can click on “E-map” to view the site map of cameras of the connected video server. The camera Icon on the E-map also indicates the direction of the camera. User can also click on the camera show in the E-Map to display the live video of each camera.



8.2.5. Playback video over IE

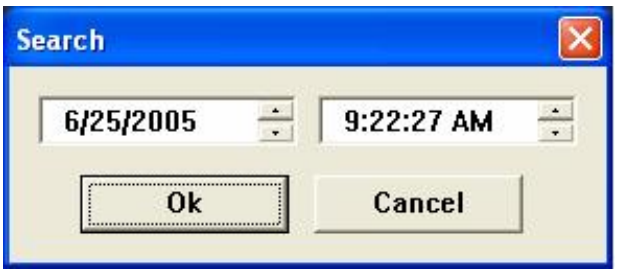


	Name	Description
1	Make Connection	Click on the “  ” to connect to the video server.
2	Select View	Select 1 to 16 view here
3	Playback control	The playback control button
4	Slide Bar	Slide on the slide bar for quick video search
5	Group Name	The use can modify the group name 0~9 into a more user friendly name.

Note A: Search the video by date

Step1 Please click on “  ” first

Step2 Click on “  ” and input the date and time in the dialog show below:



Step3 Click on “OK” to show the video of specified time.

Note B: Save Video or Image

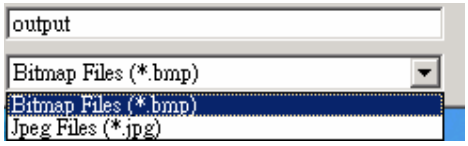
Step1 Please click on “  ” first

Step2 Please select “Image file” to save the video as image

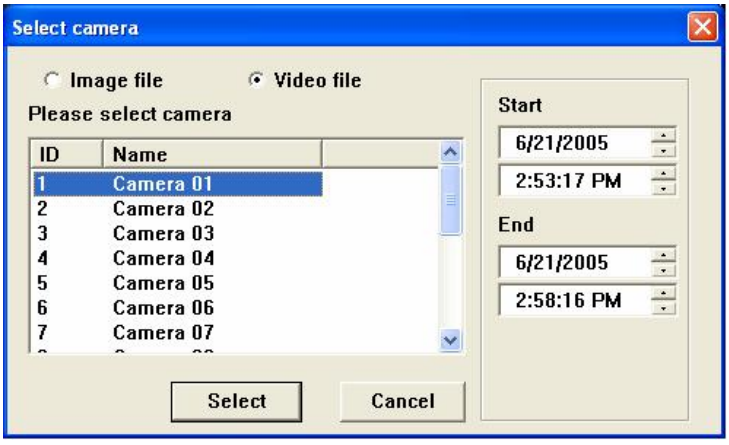
Step3 Click “ 

” to save the image of the selected camera.

The image files can be saved as Bitmap Files(*.bmp) or Jpeg Files(*.jpg)



Step4 Please select “recording file” to save the video of camera as AVI.



Please specify the Start Time and End Time, and select the camera then click on the “Select” to save the video of selected camera as AVI file.

8.2.6. Setup Video server over IE

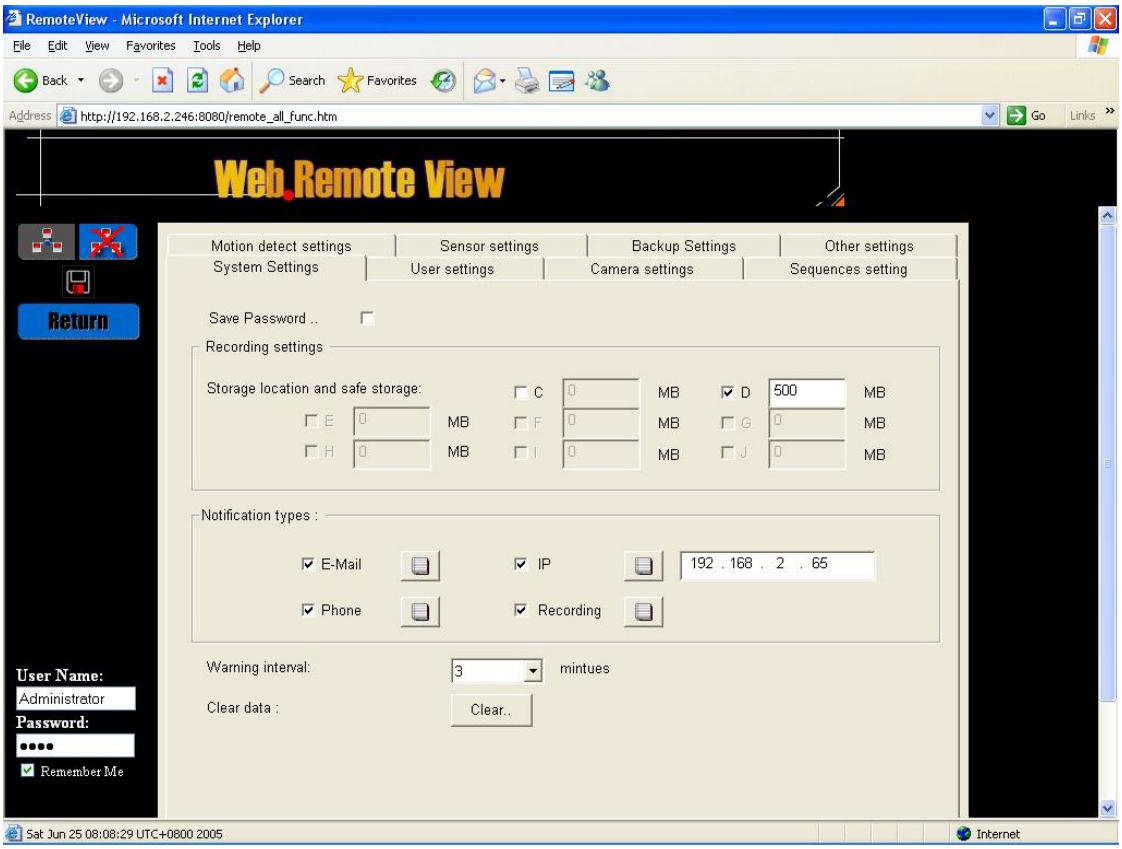
Step1: Click on the “Setup” Icon

Step2: Click on the “  ” to connect to the video server.

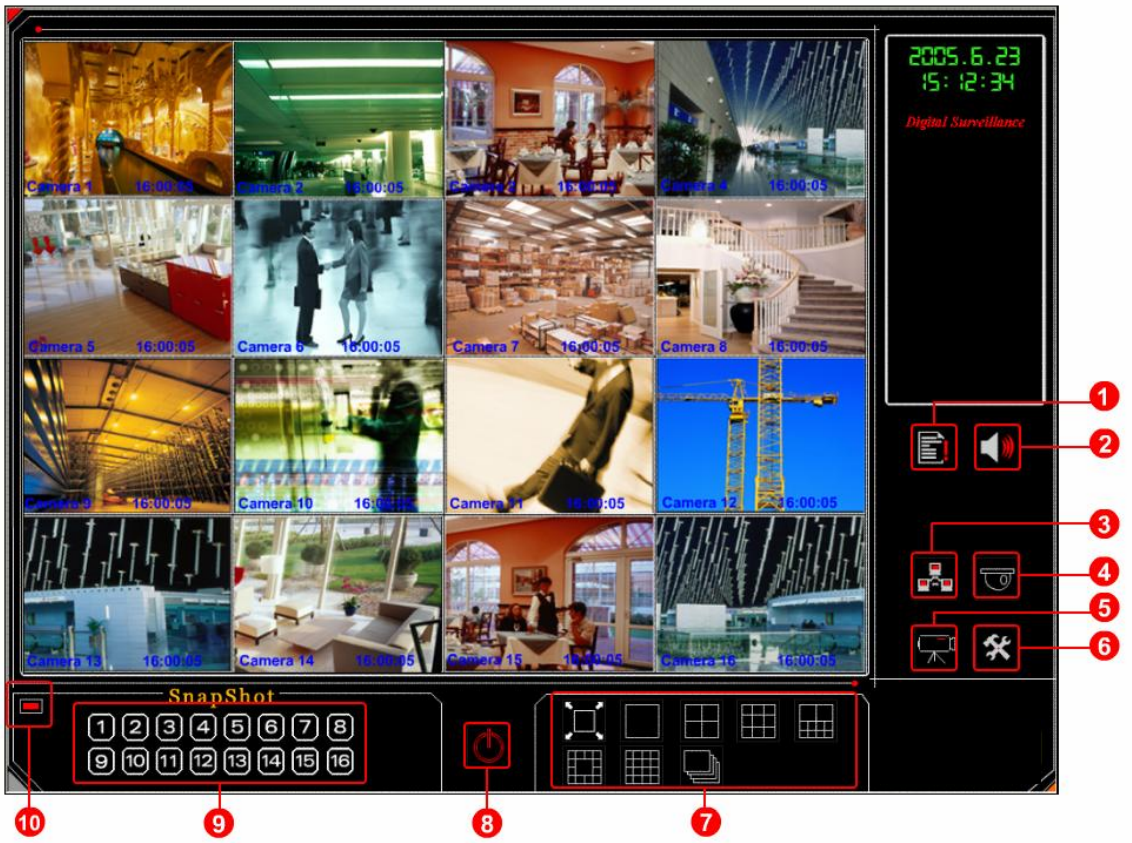
Step3: Start to configure the setting in dialog.

Step4: Click on “  ” to save the setting.

Step5: Click on”  ” to disconnect to the video server

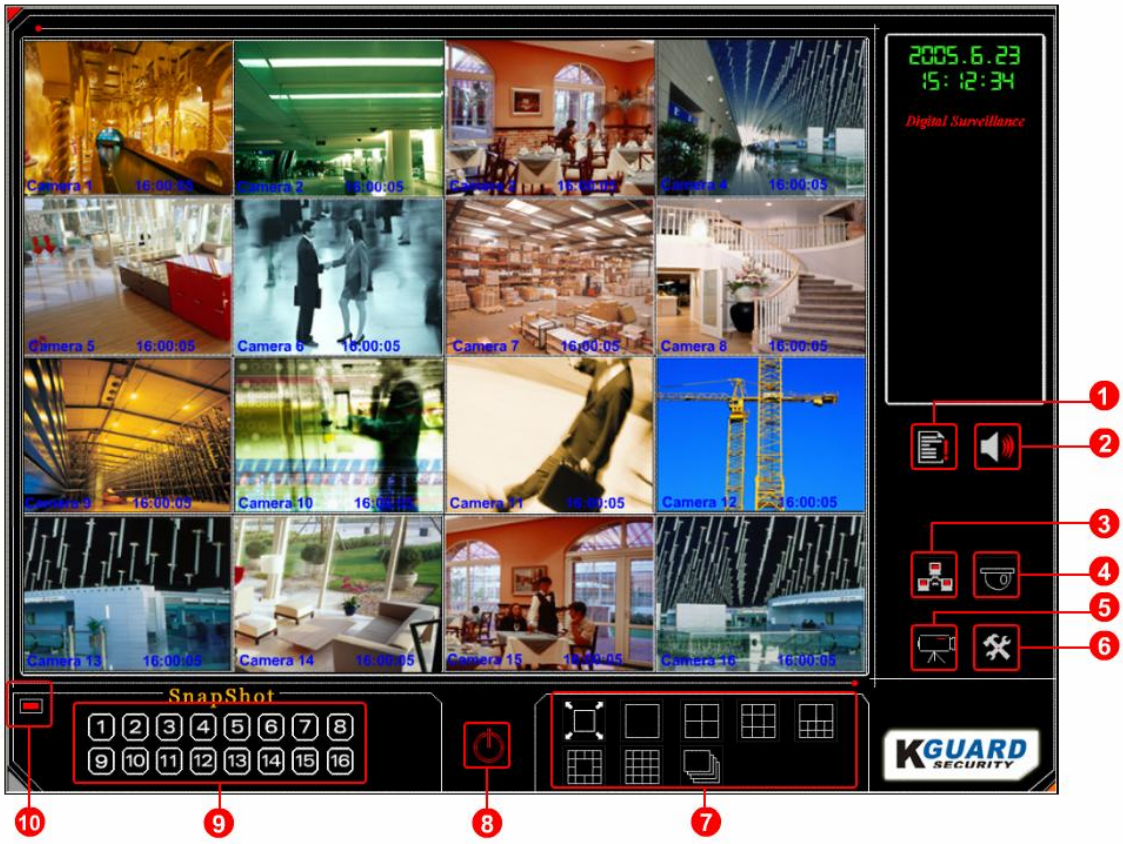


9. Remote Access – with Remote Application



	Name	Description
1	Reserved function	Reserved function
2	Reserved function	Reserved function
3	Make connection	Click to connect to video server
4	PTZ Control	Click to switch to PTZ panel
5	Playback	Click to switch to Playback panel
6	System Setup	Click to setup Client PC or Video Server Please refer to “Chapter 10.1 Setup of Client PC” & “Chapter 10.2 Setting Video server from remote application”
7	Screen division	Click to select different division Note: Click on “ ” to switch to sequence display mode, please refer to Chapter10.1.3 Sequence Setting”
8	Exit	Click to exit the application
9	Snapshot	Click on each number to do snapshot of camera video The image is saved in “C:\DVR\bin\snapshot”
10	Minimize	Click to minimize the application

9.1. Remote Access – with Remote Application



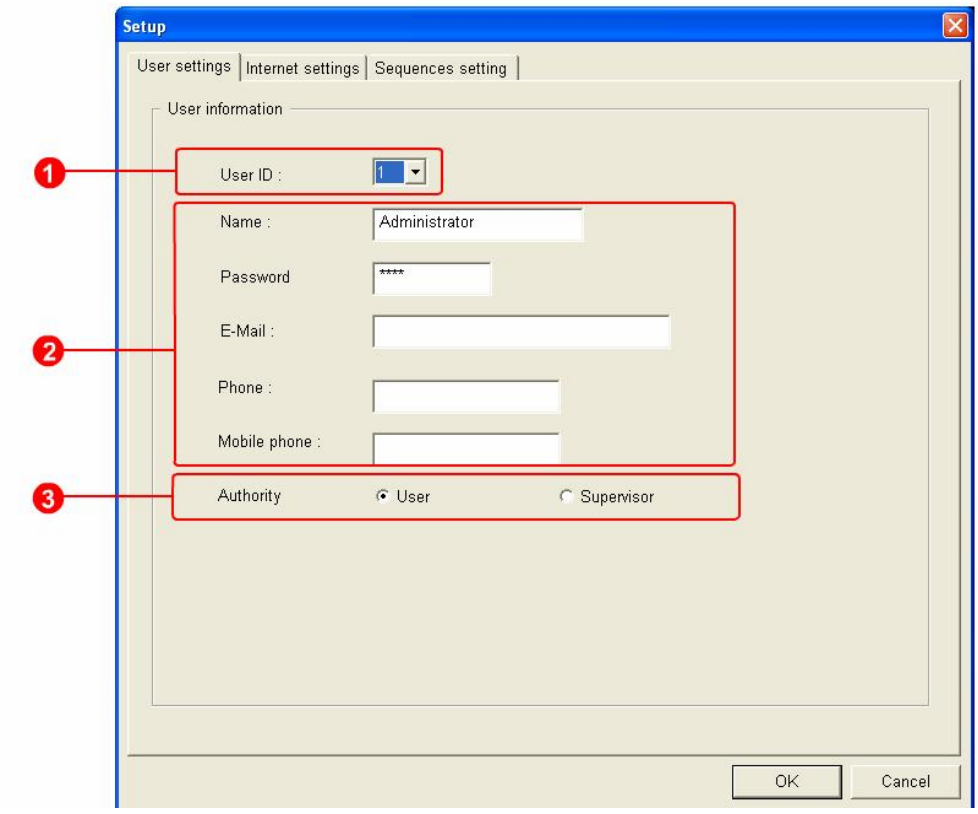
	Name	Description
1	Reserved function	Reserved function
2	Reserved function	Reserved function
3	Make connection	Click to connect to the video server
4	PTZ Control	Click to switch to PTZ panel
5	Playback	Click to switch to Playback panel
6	System Setup	Click to setup the Client PC or the Video Server Refer to “Chapter 10.1 Setup of Client PC” & “Chapter 10.2 Setting Video server from remote application” for detailed information.
7	Screen division	Click to select different screen divisions Note: Click “  ” to switch to the sequential display mode. Refer to Chapter10.1.3 Sequence Setting” for detailed information.
8	Exit	Click to exit the application
9	Snapshot	Click on each number to save snapshots of the selected

		camera video. The image is saved in “C:\DVR\bin\snapshot”
10	Minimize	Click to minimize the application

9.2. Setup of Client PC(Remote Application)

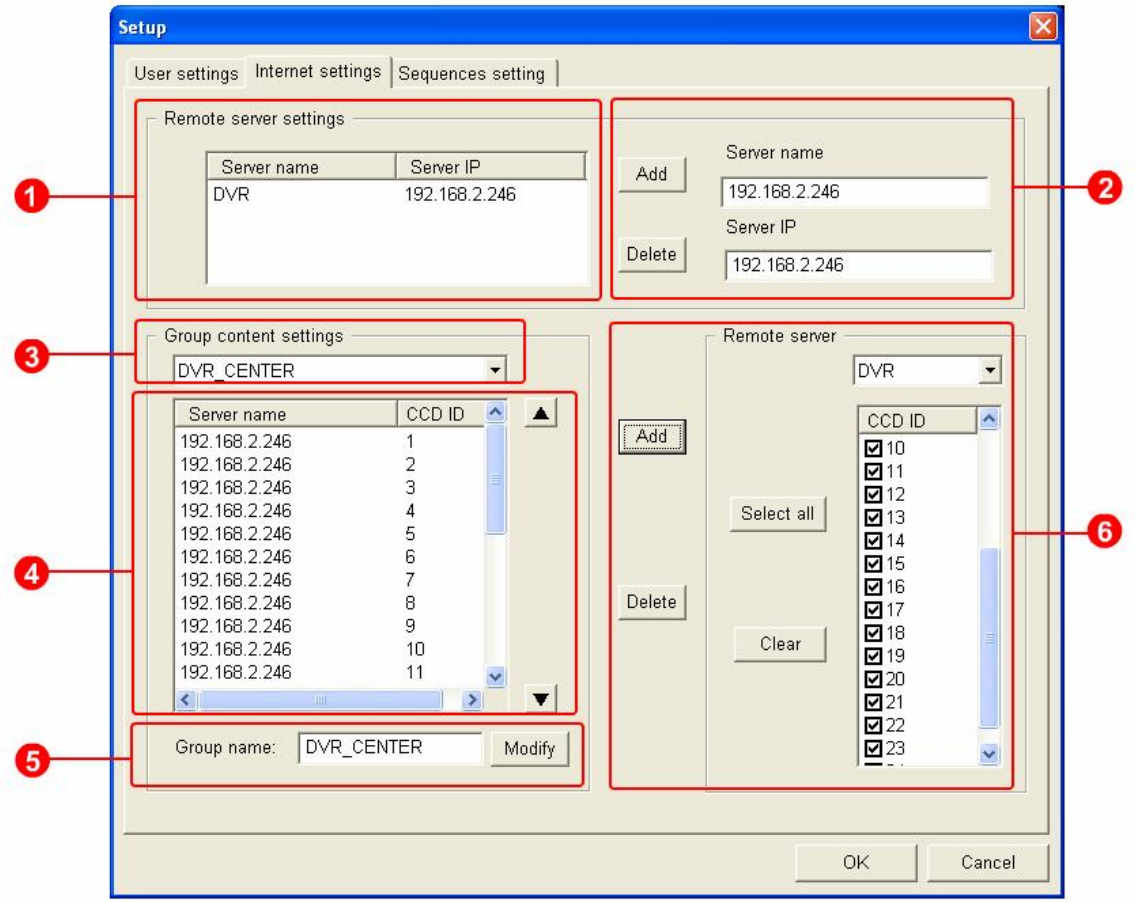
Click on the “ ” and select [Local] to get into the Setup Dialog of the Client Application):

9.2.1. User Setting (Remote Application)



	Name	Description
1	**Select User ID**	**Select different user to setup**
2	**User Information**	**Fill in user information here**
3	**Authority**	**User: Allowed to view and playback video** **Supervisor: Allowed to setup system**

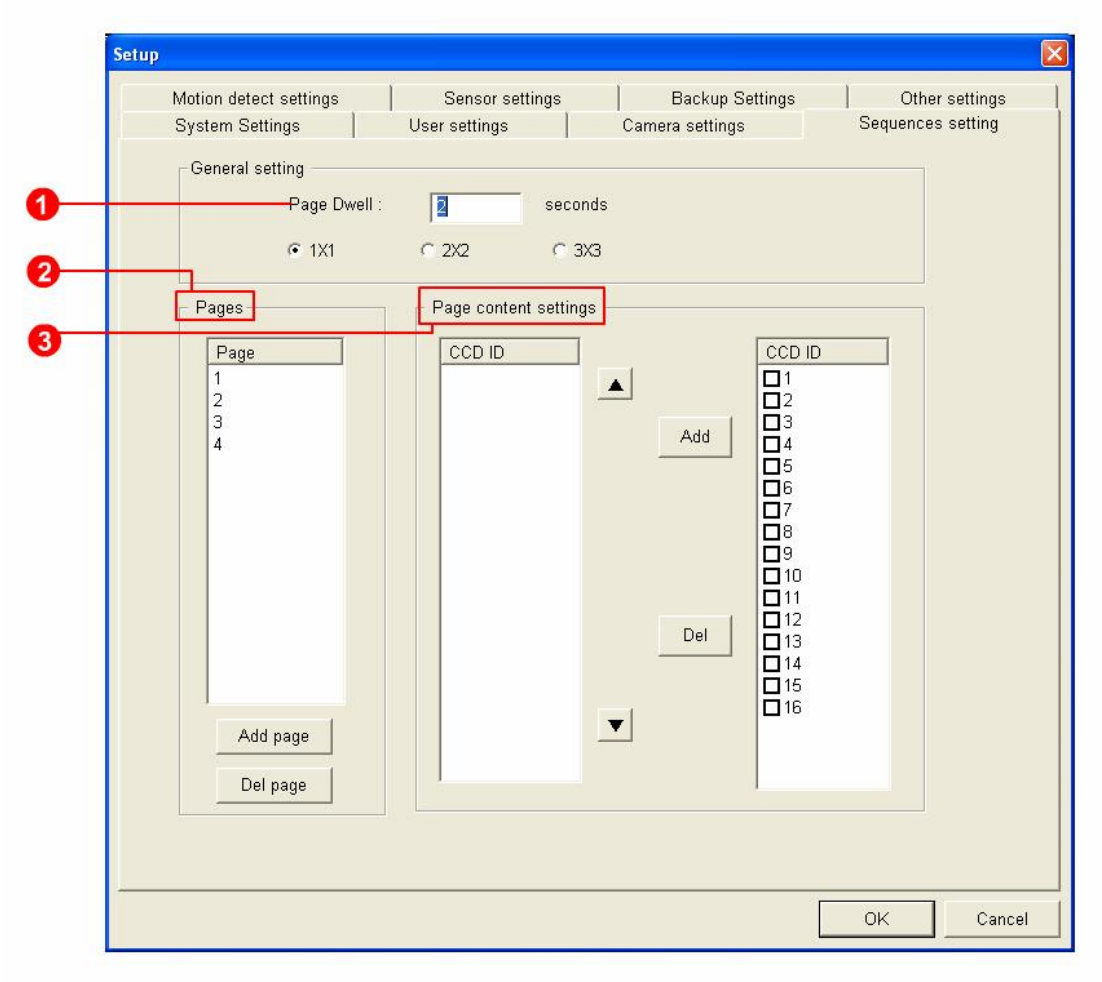
9.2.2. Network Setting (Remote Application)



	Name	Description
1	Existing Server	Here list all the existing video server
2	Add Server	Fill in the Video Server Name and Server IP here and then click on “ADD” to add new Video Server **Important Note: User can fill in the Domain Name of the Video Server.**
3	Video Group List	Click here to select the Video Group from 0~9
4	CCD ID list	Here list all the cameras (could be from different video servers) that are of the selected group.
5	Group Name	The use can modify the group name 0~9 into a more user

		friendly name.
6	Remote Server	User can select cameras from any existing server to add into the selected video server.

9.2.3. Sequence Settings(Remote Application)

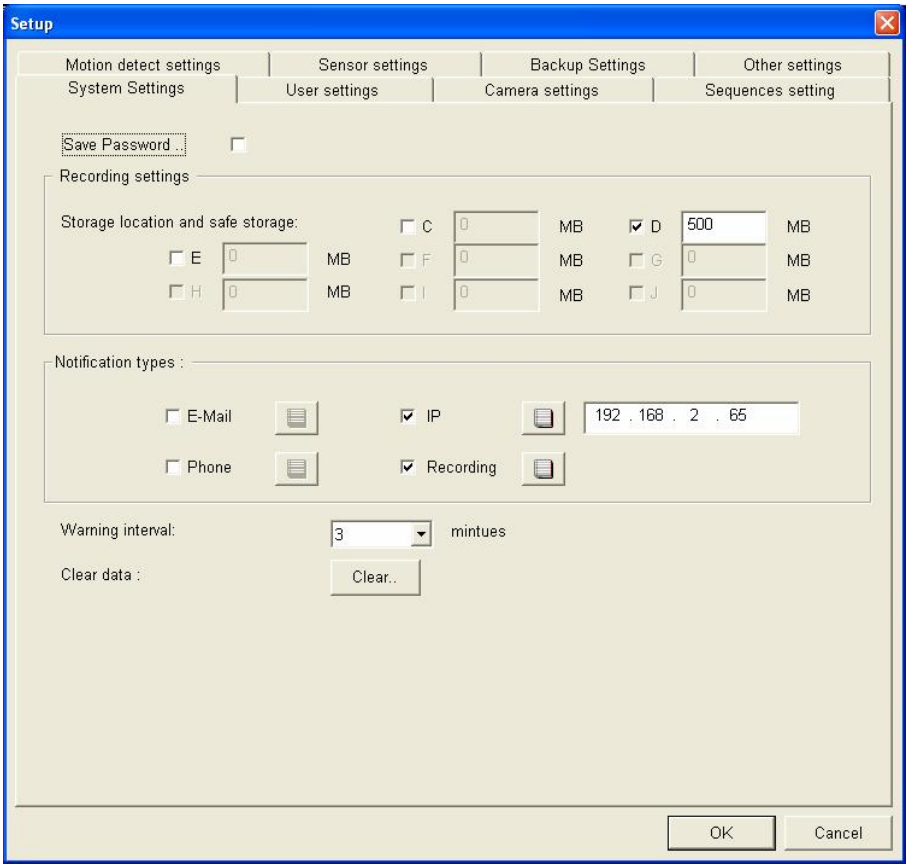


	Name	Description
1	Page delay time	Setup the delay time of each page and the matrix type here.
2	Pages	Select page which is to be assigned with CCD ID
3	Page Content setting	Assign which CCD ID to show in the selected page

9.3. Setting Video server from Remote Application

Click on the "  " and select one of Video Server to get into the Setup Dialog of that Video server. **(Note: Click on "Options" to login video server with other ID and password)**

The Dialog of the Video Server will then show up for user to configure:

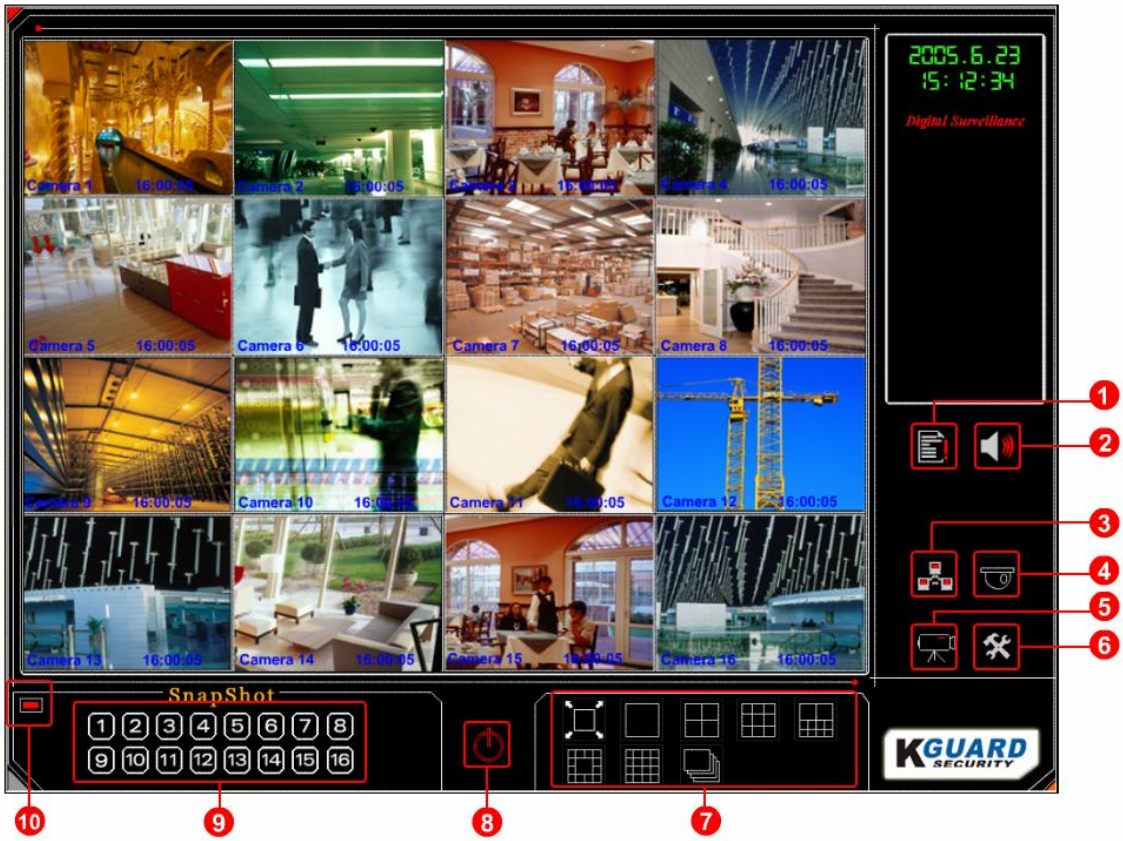


9.4. Connecting to Video server(Remote Application)

Click on the "  " and select the Group you want to access:

(Note: Click on "Options" to login video server with other ID and password)

The video will then show on the Main Panel of Remote Application



10. Tools

The tools system will be found on the Installation CD. Insert the Installation CD in the CD-Rom. The Auto-run page will appear. Select ”**DVR TOOLS**” to open the tools page.

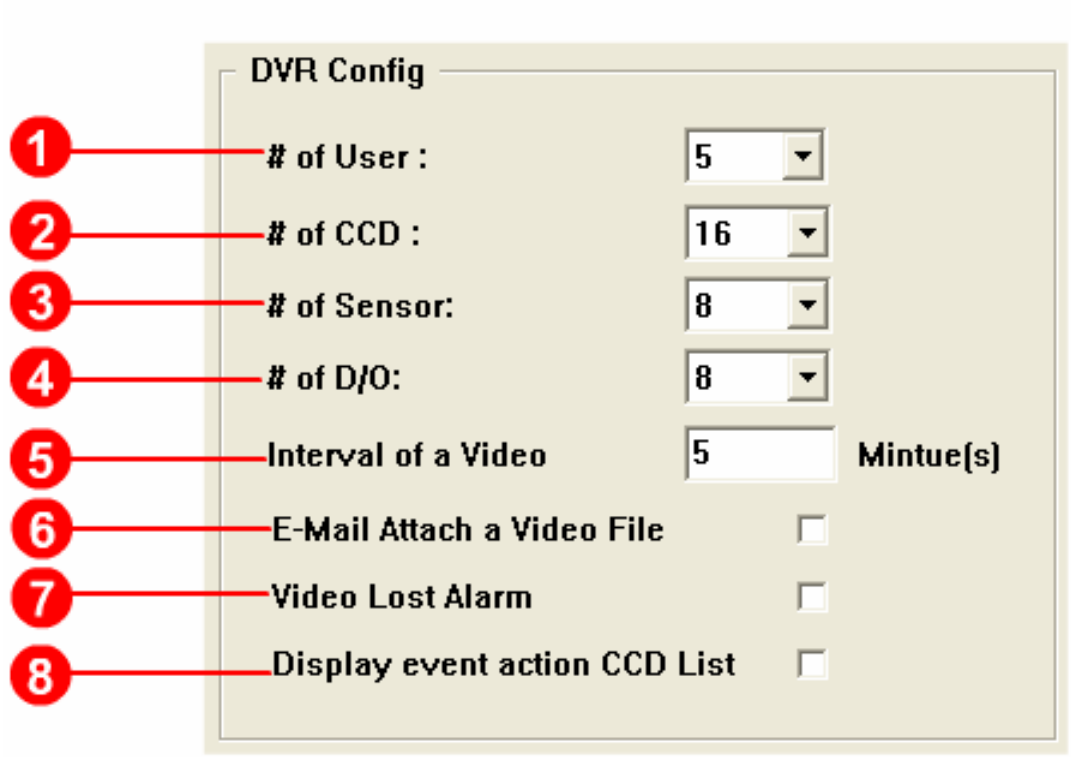
10.1. DVRConfig

The DVRConfig is a advance configuration of the DVR System.
Please login with user name and password shown below:
User Name: 886286676095
Password: bestdvrsolution

10.1.1. Company configuration

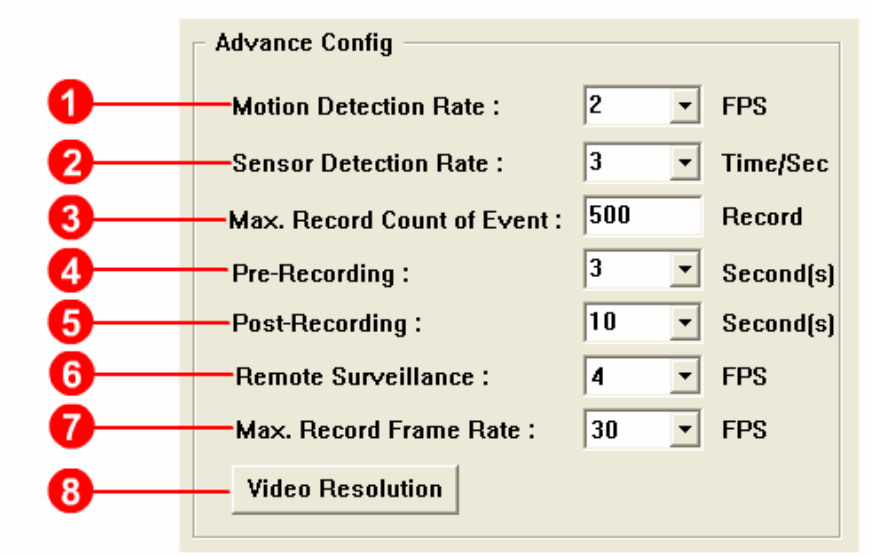
User can configure the company information and logo in below dialog.

10.1.2. DVR Basic Configuration



	Name	Description
1	User numbers	User numbers, Default number is 5
2	CCD numbers	Max Numbers of Camera, default number is 16
3	Sensor numbers	Numbers of alarm sensor
4	Digital Output numbers	Numbers of Digital Output
5	Email attached video	To attach the video with out-going E-mail from video server
6	Video Lost Alarm	To send out event(alarm) when video lost
7	Show CCD with Event	To display event action in CCD List

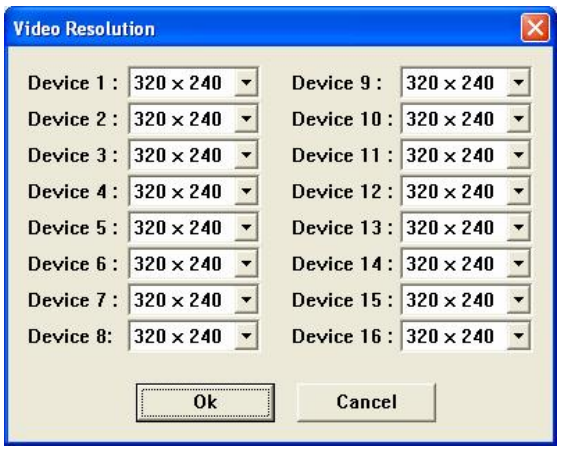
10.1.3. DVR Advance Configuration



	Name	Description
1	Motion Detection Rate	The frequency of motion detection per second
2	Sensor Detection Rate	The frequency of sensor detection per second
3	Max Record Count of Event	The max storage of event numbers
4	Pre-Recording	The recording time length before event triggered
5	Post-Recording	The recording time length after event triggered
6	Remote Surveillance	The frame rate for remote access
7	Max. Record Frame	The maximum record frame rates
8	Video resolution	Click to select the resolution of each device

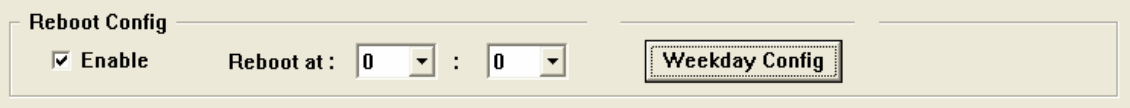
Note:Click on the 

and setup the recording size of each device:



10.1.4. DVR Reboot Configuration

User can enable system reboot and setup the reboot time in below dialog:



Note:Click on the " 

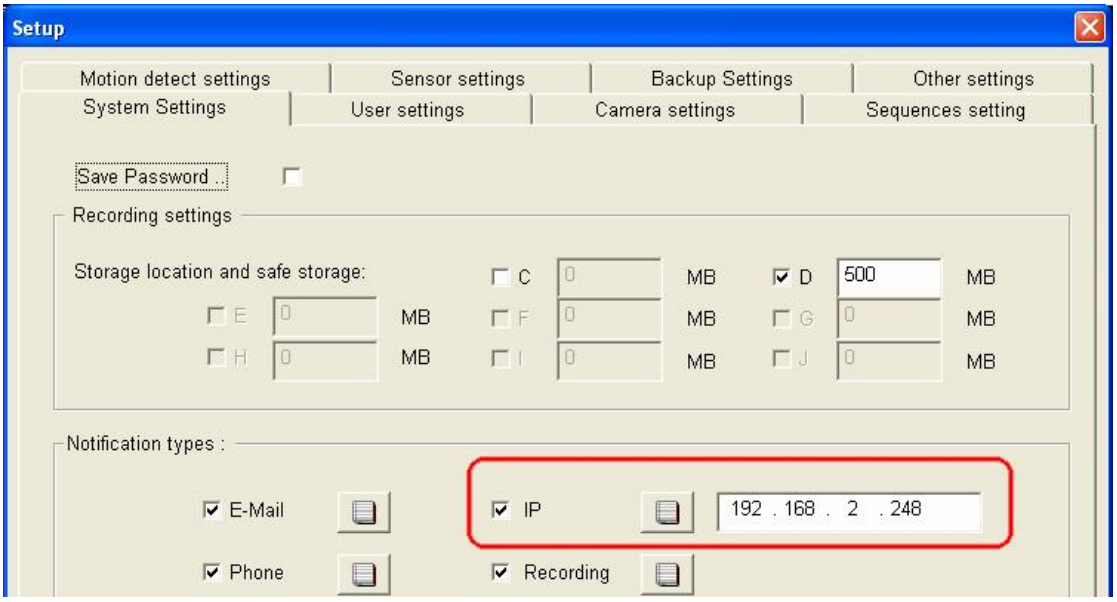
" to setup reboot schedule by week as below:

10.2. EventCenter

User can install the EventCenter in remote PC to receive the video transferred from the Video Server when there is event triggered. The Video will keep being transferred until stopped by user from EventCenter.

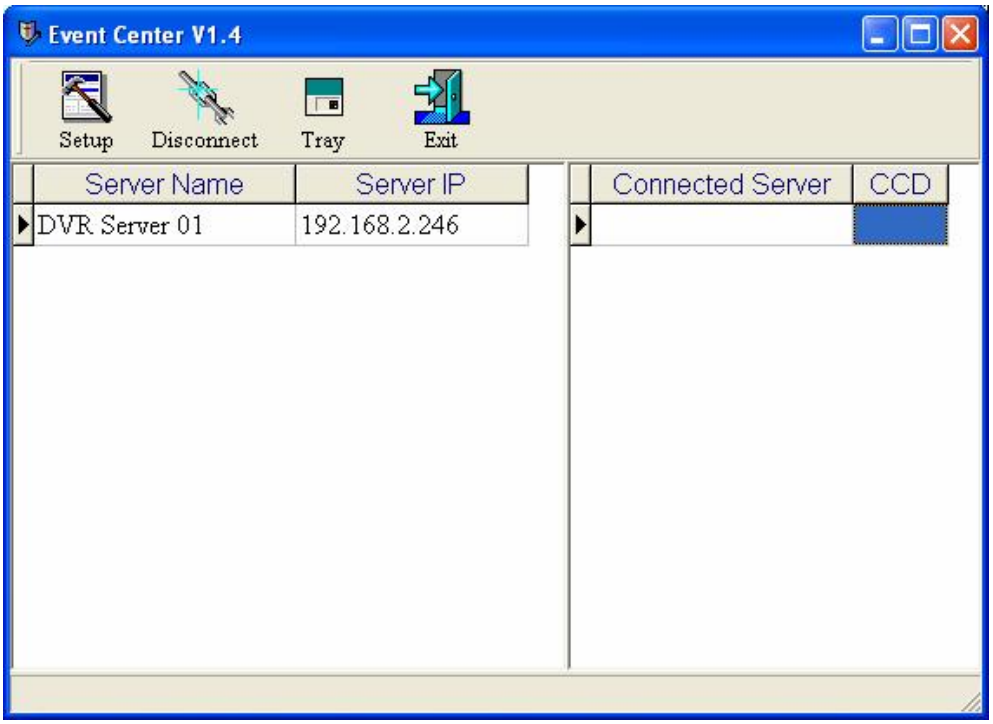
10.2.1. Setting in Video Server(EventCenter)

User must input the IP address of the Remote PC(Event Center) in the Systems of Video Server. User can click on the "  " on the Main Monitor Panel of the Video Server to get into the below dialog.



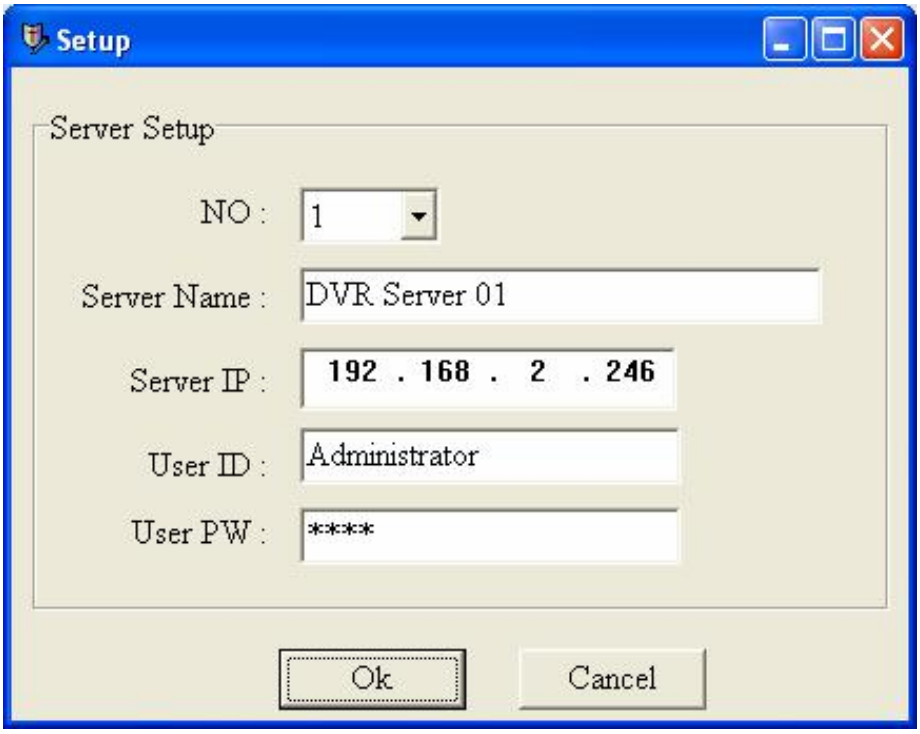
10.2.2. Setting in Event Center

Below is the panel of Event Center running in Remote PC:



Step1: Click on the “ 

” and input the information of Video Server to be connected. Click on “OK” to save the setting when finish.



Step2: Click on the “ 

” to minize the Event Center on the Task bar.
Step3: Once there is event triggered in the Video Server. The Event Center will be connected with the video server and then start to receive the video transferred from the Video Server.

Step4: the video will keep on transferring until user click on" 

" to stop the video transferring.

Note: Click on " 

" will disable the Event Center in the Remote PC.

10.3. DBRebuilder

DBRebuilder is the recorded video database rebuilding program. If the recorded files in [Tape] folder is damaged. User can run the DBRebuilder to rebuild the database. If the video files are copied from other Video Server, users also have to run the DBRebuilder before the DBPlayer can playback the video.

10.4. DBPlayer

The DBPlayer is to open the database file of recoded video files

10.5. VideoPlayer

The VideoPlay can playback each video files individually.

10.6. WaterMark

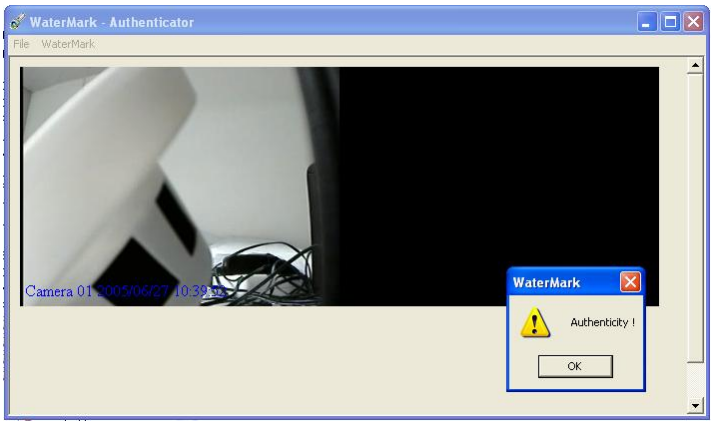
User can run the WaterMark to check if the picture is originally from the Video Server and without any modification.

Step1: Click on "File"->"Open File" to load the image to be checked.

Step2: Click on "WaterMark"->"Verify" to start to check if the image is original generated from the Video Server or not.

Step3: If the image passed the examination the dialog box will show up with "Authenticity" as below:

Step4: If the image failed the examination the dialog box will show up with "Tempered"



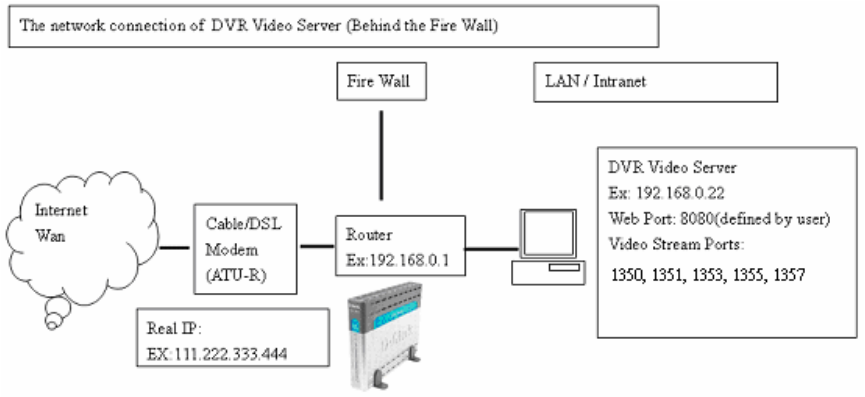
Appendix
Network Configuration for DVR Video Server

1. Hard connection:

In below picture, shows the normal architecture of a local network when connecting to the Internet / WAN:

In below example: an ADSL Router is connected behind the ADSL Modem (ATU-R). And the ADSL has a physical IP Address (ex: 111.222.333.444). And all the other PCs in the local network (LAN) are connected behind the ADSL Router to share the one physical IP address together.

In this example, the Local IP address of the ADSL Router is 192.168.0.1 and the local IP address of the DVR Video Server is 192.168.0.22.



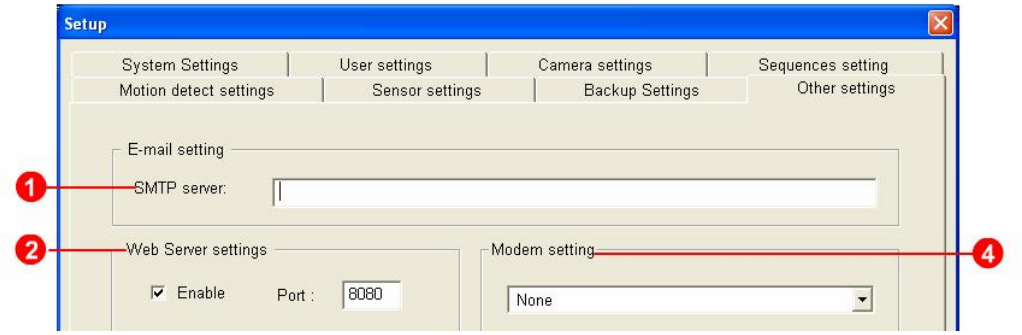
2. Network configuration(Stream Video by IE):

Please follow below steps to configure the network to allow a DVR Video Server which is behind the Fire wall to stream the video over internet by Internet Explorer.

DVR Video Server Configuration

In the DVR Video Server the user has to enable the “Web Server settings” and specify a port for the video streaming via IE. In the sample the port is set as “8080”

For more detail information of the DVR system configuration, please refer to the Chapter 8 of DVR User Manual.



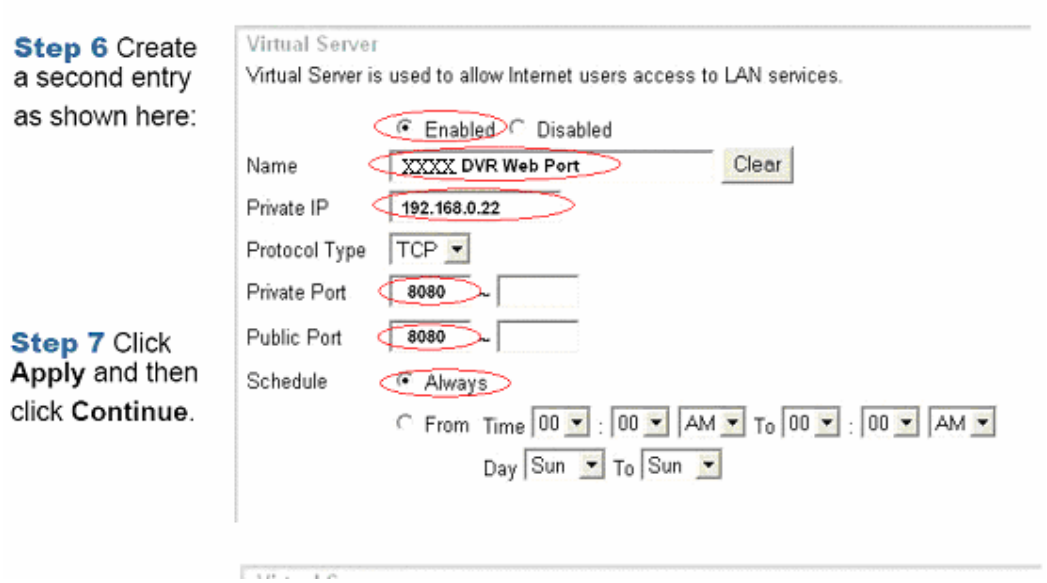
Router Configuration

In the Router, the user has to set the port mapping for Video Server.

In this case, the port is set as 8080 and the local IP address of video server is 192.168.0.22. So the user must set the port mapping 8080 to the 192.168.0.22

In below picture we use D-Link Router: DI-524 as a sample:

(Note: The configuration of different Router could be different, please refer to the user manual of your own Router)



View by IE

In previous 2 steps the port: 8080 is mapped from the Video Server (192.168.0.22) to the public already the user in remote site can type" Http://111.222.333.444:8080" in the address bar of the IE.

Please specially note the user must input the user account and password on the web page (for detail information please refer to DVR User Manual, Chapter9)

3. Network configuration(Stream Video by Remote Client Software)

User can also install the Remote Client Software in the remote site and use the Remote Client Software to access the Video Server over Internet.

Installation and Setting of the Remote Client Software in the Remote Site PC.

Please refer to this part in this User Manual.

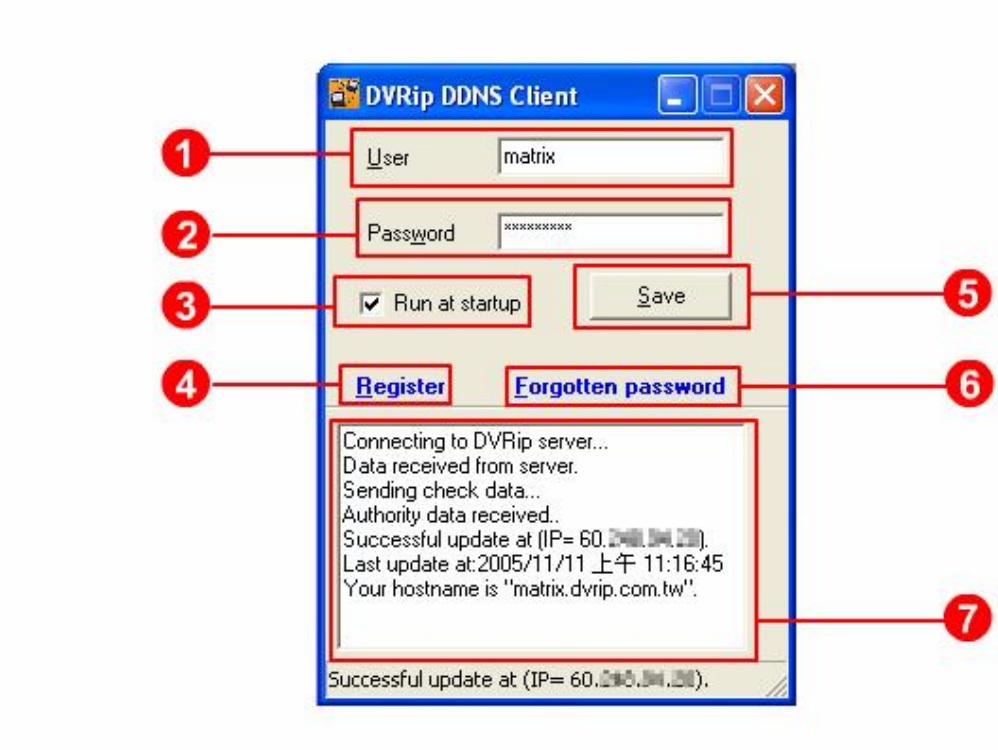
Router Configuration

DVR Video Server uses the port 1350, 1351, 1353, 1355, and 1357 to communicate with the Remote Client Software. So users have to map the Port mentioned above from Video Server to the public. In this sample users have to map ports shown above of 192.168.0.22 to the public ports: 1350, 1351, 1353, 1355, and 1357.
Please refer to Chapter 2.2 for detail information about the setup of port mapping in the router.

DDNS

When you access internet and run DVR system by dynamic IP, it is suggested that you should use the DDNS Client to define a domain name via internet. This application will update the newest IP address from your DVR system to DDNS server every 10 minutes. You just have to type your register hostname to get the internet connection, if your DVR system IP address is changed.
This application uses port 80 and 81 to upload IP info to internet. If your DVR system is built under router or firewall, please make sure that port 80 and 81 are already enabled. DDNS Client is able to upload Global IP address only. If your system uses virtual IP address, users please map the port 80 and 81communication port to DVR server.

Register Dynamic DNS name



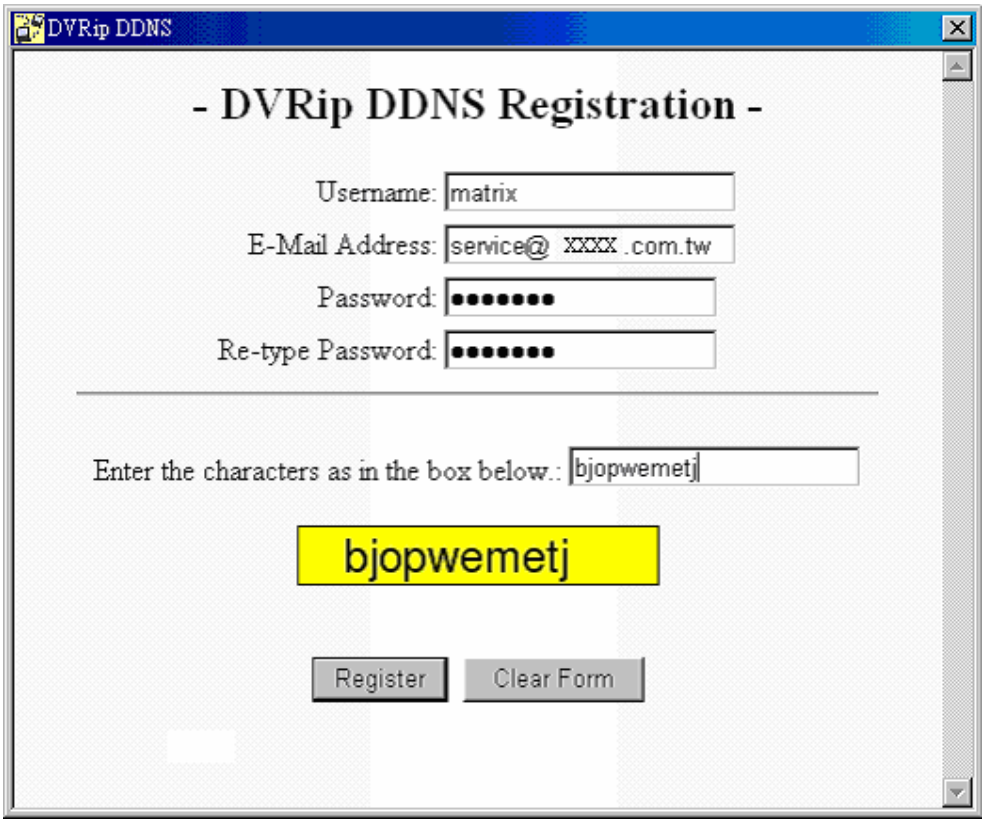
	Name	Description
1	User	Your register name.
2	Password.	Your own account password.
3	Run at startup	If checked, DDNS client will run when system starts up.
4	Register	Register a new account.
5	Save	Manual updates IP address to dynamic DDNS server
6.	Forgotten password	If you forget your password, system will help you get a new one.
7.	Status Info	Information about the connection will show in this area

Step 1: Run “Start → All Programs → DDNS” to execute DDNS 

.

Press 

button to enter a register page.



Step 2: Please input user name into username column. The maximum digit of username is 16 characters; username can not be started with spaces or minus signs ('-'). Username will be your hostname.

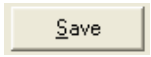
Step 3: Please input e-mail address into the E-Mail Address column. It is necessary to input your e-mail address because when you forget your password, system will send login info to you via e-mail.

Step 4: Please input password into the Password column, and re-type the same password into the Re-type Password column. System will confirm whether these two are the same.

Step 5: Please input the word, "bjopwemetj", existing in the yellow box into the column of "Enter the characters as in the box below:".

Step6: Press 

. If succeed, registration successful information will be shown in the screen below.

Step7: Please input your username and password to the User and Password columns. Press 

to manual update IP address.

1.2 Update IP address

User: Input your register name into this column. For example, just type "matrix", if you typed "matrix" in the column of username in the step above.

Hostname: Your DVR surveillance system hostname. Hostname is combination of your username and “dvrip.com.tw”. For example, if the hostname is “matrix.dvrip.com.tw”, then you can connect your DVR server via internet by typing the “matrix.dvrip.com.tw” in the URL column in your IE browser.

IP: Your DVR system IP address. DDNS Client will update the last IP address every 10 minute age.

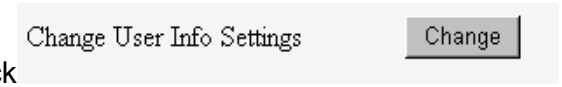
1.3 Forgotten password

Step1: If you forget your password to login DDNS server. Please press Forgotten password, and then a dialogue box for entering username will appear automatically shown as below.

Step2: Input your username into Username/Hostname column, and then input the word check into the column. For instance, users should input “hrbdknvqqa” to the column of “Enter the characters as in the box below”. Finally, please click the

button to go into next step.

Step3: Use outlook or any e-mail tools to receive e-mail. Open the mail, and click the link in the mail.

Step4: Please click 

button for changing your info setting, and then your browser will link to the webpage automatically.

Step5: Please input your new password into “New Password column”, and re-type it into “New Password Again column”. Then, press 

to update your password.

Specifications

Model:	SEC-PCC10	SEC-PCC20	SEC-PCC30
Camera input:	4	8	16
Audio input:	1	2	4
Frame rate per second:	25 (6.3 pc)	50fps (6.3 pc)	100fps (6.3 pc)
Resolution:	320x240 / 640x240 / 640x480		
Compression:	MPEG4-like		

System requirements

Model:	SEC-PCC10	SEC-PCC20	SEC-PCC30
Processor (recommended):	Intel P4 2.4GHz or above		
Motherboard:	Intel® 845 or 865 Chip (Intel® Chipset recommended)		
VGA card:	64MB or above	128MB or above	
RAM:	256MB		512MB
Ethernet card:	10/100M		
Hard disk drive:	80GB or above		
Operation system:	Windows® 2000, XP		

Safety precautions:

Disconnect the product from mains and other equipment if a problem should occur.
Do not expose the product to water or moisture.

Warranty:

No guarantee or liability can be accepted for any changes and modifications of the product or damage caused due to incorrect use of this product.

General:

Designs and specifications are subject to change without notice.
All logos brands and product names are trademarks or registered trademarks of their respective holders and are hereby recognized as such.

Attention:

This product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collections system for these products.

CE