PV-140V
A/B/C/D(1st/2nd/3rd/4th 4-window)
Remote Surveillance & Security System
User's Manual

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Version : 1.0
Date : 2001/03/08

1. System Requirements

1-1. Local Transmitter software (Security)

- Desktop PC with Pentium III 350 MHz CPU or faster, Pentium III 500 MHz CPU is recommended.
- Operation system: Windows 98 or above.
- 64 MB RAM minimums, 128 MB is recommended.
- 500 MB TCP/IPs hard disk space.
- 24 bit (true-color) VGA card with 8 M RAM on board.
- Sound card and speakers required for sound alarm.
- Microphone required for audio recorded.
- Available PCI port for Video Card **(Security)**.
- Modem 33.6K or faster, Modem supports Wave file is recommended.

1-2. Remote Viewer software (ModemView & TCP/IPView software)

- Desktop or Notebook PC with 133 MHz CPU or faster.
- Operation system: Windows 95 or above
- 32 MB RAM minimum 64 MB is recommended.
- 100 MB TCP/IPs hard disk space.
- Sound card and speakers required for sound alarm.
- VGA Video Display at 24-bit (true-color) or above.
- Modem 33.6K or faster

Note. 1. The ModemView software for modem remote viewer.

2. The TCP/IPView software for TCP/IP (Internet or Intranet) viewer.

1-3. PV-140V Product Specification :

- **MainSpec**

  Chipset : Conexant (BrookTree)BT878/878A

- **Interface**

  Bus : PCI V2.1 Compliance

  Video-In : 4CVBS-In with RCA jack

  Video-out : 1CVBS-Out with RCA jack **(To TV Optional)**

  Video-In Format : NTSC/PAL/SECAM

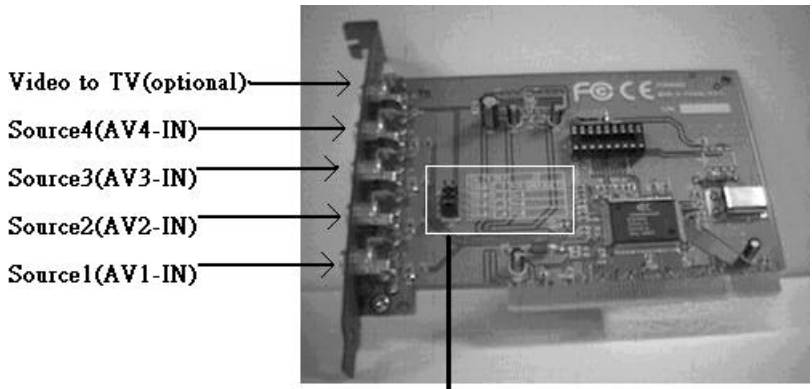
- **Hardware Equipment :**

  1. PV-140V PCI 4-CVBS-In Video Capture Card

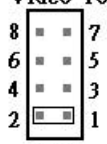
  2. CD Driver

  3. User's Manual

1-4. PV-140V Connecting :



Video To TV out (jumper connect position)



TO TV SET	J3
SOURCE_1	1-2(DEFAULT)
SOURCE_2	3-4
SOURCE_3	5-6
SOURCE_4	7-8

2. Installing software on your computer

This chapter walks you through the installation and setup process for remote surveillance and security system software. It is included "Device driver & Security Software", "ModemView" and "TCP/IPView" software on the CD-ROM that shipped with the system.

This Chapter describes installation of the system software, including the Device driver, Security , TCP/IPView and ModemView software.

2-1. Installing Security software and device driver (For Local Site use)

Follow these steps to install device driver and Security Local Transmitter software.

Note:

1. It is necessary to install Security software first and then plug device into PC.
2. Normally, Windwos98 cannot provide the database software. Therefore, we suggest you have to install "Access runtime" software from our attached CD-ROM for the video clips search.

Step 1: Insert CD-ROM into your CD-ROM device, the Security installer should come up automatically and list all the available software. Select and click "**Device driver & Security software**". **(Fig.1)**

Note: If the Security installer does not appear on the screen automatically clicks **"Start"**, then **"Run"** and execute the file **"Install.exe"** on the CD-ROM.



(Fig.1)

Step 2: Click **"Next"** button and then start to install. **(Fig. 2)**

Step 3: Select the video system. **(Fig. 3)**

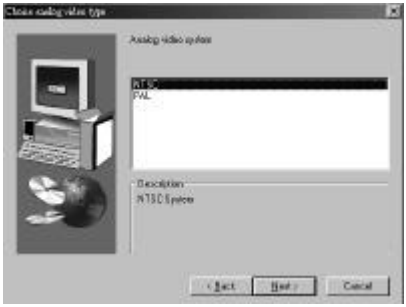
NTSC -- If you are using a video device based on the North American video standard.

PAL- Select this if you are using a video device based on the European video standard.

Warning: If this setting is set incorrectly video may appear scrambled, or may be black and white in the video window after clicking the preview button. Select one of these options to indicate the type of video device. Change this setting if the video appears to be misarranged in the video window.



(Fig.2)



(Fig.3)

Step 4: Click **"Browse"** button to change the destination or click **"Next"** to continue. **(Fig.4)**



(Fig.4)

Step 5: Press the **"Finish"** button to restart computer for completing the installation. **(Fig.5)**



(Fig.5)

2-2. Installing TCP/IPView software (For Internet or Intranet remote viewer)

Follow these steps to install **TCP/IPView** software:

Step 1: Click **"TCP/IPView software"** icon. **(Fig.6)**

Step 2: Click **"Next"** button to continue installation. **(Fig.7)**



(Fig.6)



(Fig.7)

Step 3: Click **"Browse"** to change the destination or **"Next"** button to continue. **(Fig.8)**

Step 4: Press the **"Finish"** button for completing the installation. **(Fig.9)**



(Fig.8)



(Fig.9)

Note: If you would like to connect to local site via TCP/IPView software, you have to connect Internet first, before you run TCP/IPView application.

2-3. Installing ModemView software (For modem remote user)

Follow these steps to install **ModemView** software:

Step 1: Click **"ModemView software"** icon. **(Fig.10)**

Step 2: Click **"Next"** button to continue installation. **(Fig.11)**



(Fig.10)



(Fig.11)

Step 3: Click **"Browse"** button to change destination or click **"Next"** button to continue. **(Fig.12)**

Step 4: Press the **"Finish"** button for completing the installation. **(Fig.13)**

Note: If you would like to connect to local site via ModemView, you have to connect modem and telephone line before you run ModemView application.



(Fig.12)



(Fig.13)

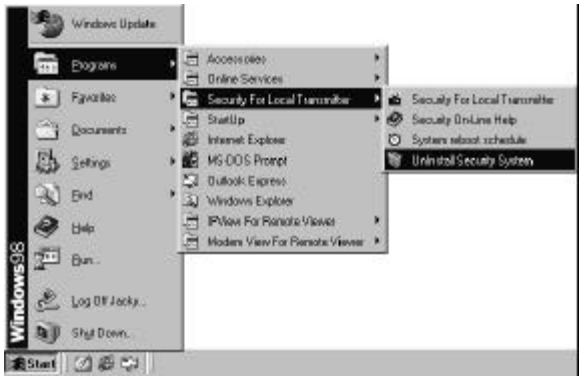
3. Uninstalling Security software and device driver from your computer

This Chapter describes remove the software and device driver.

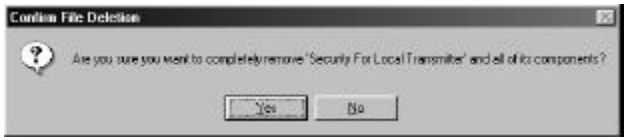
3-1. Uninstalling Security software.

You can uninstall Security software by doing the following steps:

Step 1: Click "**Start**", "**Programs**" then select **"Security For Local Transmitter"** icon and click **"Uninstall Security System"** icon.



Step 2: Click **"Yes"** button to start remove the software.



Step 3: Click **"OK"** button to Complete removes the software.



3-2. Uninstalling the device driver

You can uninstall the device driver by doing the following steps:

Step 1: Click **"Start"**, **"Settings"** and "**Control panel"** icon. **(Fig.14)**

Step 2: Select **"System"** icon then click it. **(Fig.15)**



(Fig.14)



(Fig.15)

Step 3: Select **"Device Manager Properties"** then click it. **(Fig.16)**



(Fig.16)

Step 4: Select and click **"Sound, video and game controllers"** icon, you will find out **"Security PCI 0 (PCI 1, PCI 2, PCI 3) Device Video Server Capture"** and **"Security PCI 0 (PCI 1, PCI 2, PCI 3) device Audio Server Capture"**.. **(Fig.16-1)**



(Fig.16-1)

Step 5: Click **"Ok"** button to Complete removes the device driver.

4. Use the Security software

4-1. General Information of Security Local Transmitter software

This Chapter discusses the Security Local Transmitter software for general information. Applies when you are located at a protected site where you have already installed video capture device with attached camera(s). At the local site, you can view video from the cameras as well as accept remote user calls.

Once you have finished installing the software a new group and icons will be created for you. You may access them by clicking on the **"Start"** button and then the "**Programs"** folder, "**Security For Local Transmitter "**icon.

- **Security For Local Transmitter -** The application software enables you to remotely patrol your home, office, retail outlet, warehouse, factory etc. from Modem place at Modem time as long as you have the access to the telephone line or Internet.
- **Uninstall Security software -** Application to remove Security software from computer.
- **Security On-Line Help** - User Guide file that contains the installation and operation manual.

When you use the Local transmitter for the first time. Maybe will have some problem, the question show as below:

A. The Security For Local Transmitter software is not able to execute after I install it and show the message as below:



You can check Security software by doing the following steps:

1.Your operation system must be Windows98.

2. Check PCI Security port connections.

3. Make sure the device driver is present and enabled. (Please refer to Frequently Asked Questions chapter of on line help).

4. The PCI port of computer is workable or not.

5. Please check your VGA card support the high color (24 bits) and DirectX.

B. The Security For Local Transmitter software is not able to execute after I install it and show the message as below:

Please install **"DirectX"** software of CD-ROM that come with system and doing the following steps:



1. Insert the CD-ROM into your CD-ROM device, the Security installer should come up automatically and list all the available software. Select and click "**DirectX "** software.

NOTE: If the Security installer does not appear on the screen automatically clicks **"Start"**, then **"Run"** and execute the file **"Install.exe"** on the CD-ROM.

2. Select **"DirectX 7.0 a"** or **"DirectX Media 6.0"** and then start to install.
3. Press the **"Finish"** button to restart the computer for completing the installation.

C. The Local Transmitter software is not able to execute after I install it and show the message as below:



Please install **"Access runtime"** software of CD-ROM that come with system and doing the following steps:

1. Insert the CD-ROM into your CD-ROM device, the Security installer should come up automatically and list all the available software. Select and click "**Access runtime "** software.

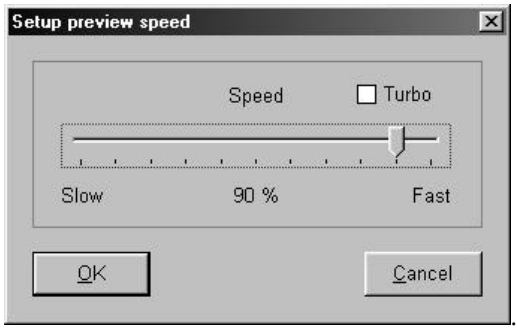
   NOTE: If the Security installer does not appear on the screen automatically clicks **"Start"**, then **"Run"** and execute the file **"Install.exe"** on the CD-ROM.
2. Click **"Next",** and then start to install.
3. (Optional) Click "**Browse"** button to change the destination or click "**Next"** to continue.
4. Press the **"Finish"** button to restart the computer for completing the installation.

D. It is not smooth to run the Security software to display the image after install over one Video Card on PC, and even the system will be hung.

The problem is caused by clash of IRQ and DMA between Video Server Card and peripherals device of PC. Please change the IRQ and DMA of peripherals device. Ask more detail information from you computer dealer.

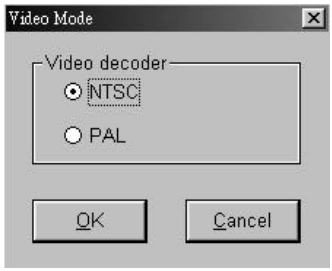
E. **There is a vibration imagine on the video window.**

Powerless CPU or VGA Card of PC will cause it, so you must delay preview speed**.** You can access **"Setup Preview speed"** tool bare by clicking on the **" Options "** Tool Manu bar and then click on the **"Setup preview speed"** tool bar. You can move the slider bar to slow preview speed for solve the problem. The diagram shows as below:



F. The video appears scrambled, black and white in the video window after clicking the preview button, when you run the Local Transmitter software.

The incorrectly setting video system device will cause it, so you must select one of these options to indicate the type of video device. You can choice the correct video device by clicking the **"Video channel"** icon of File Manual Bar and then select the **"Select Video mode"** icon and then you can choice the correct video device. The diagram show as below:

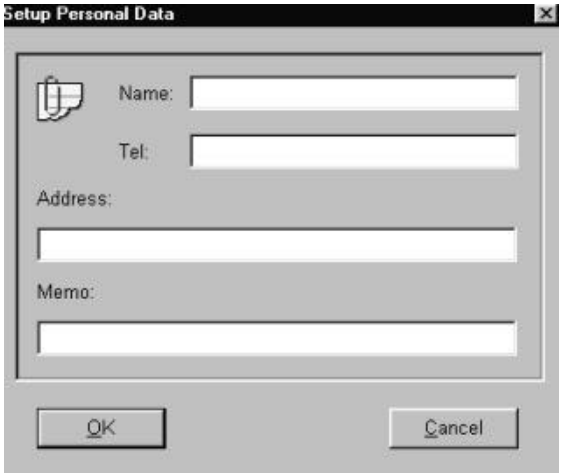


G. If the Listen icon 

enables, then a valid modem is not installed.

The system transmits video by using an existing modem in the system. If you do not have a modem card, then simply click **"OK"** button and ignore this message. Ignoring this message does not affect the video captures, however, it will disable transmission functionality inside the software. Use the Microsoft **Modems** of **Control Panel**, which comes with Windows 98 to make sure your modem is installed properly. Access this application by clicking on **Start**, then **Settings**, followed by **Control Panel** then **Modems** and finally clicking on the **Modems** icon. If your modem is installed correctly this test will be successful, otherwise, contact the modem manufacturer for information on how to enable it under Windows 98. The Security software may not be able to support all modems. Usually, if your board works with Microsoft **Hyper Terminal** then it will also work with the Security software application.

H. If you use the Local Transmitter software for the first time, you are requested to key in the personal information for the local site. Otherwise, you cannot get the relative information about the sender when the function of Auto-launch to remote site is executed and the remote site receives the images transferred from the local site.



4-2. The description Tools Bar of Security Local Transmitter software

There are 14 headings on the Tool bar:

1.  **Open Video Channel:** Let you choose the appropriate camera from the list of available cameras displayed by the drop-down box. And lets you configure the various video settings, open a video channel, Motion detection, Sound warning, reserve the record schedule, Motion sensitivity, notification via Pager, Phone and Auto-lunch to remote site etc.

2.  **Setup video channel:** Before you open video channel, you must append the video channel, there are include set the Camera channel and location.

3.  **Setup remote user:** Before you use ModemView or TCP/IPView software to dial from remote site, you must setup the privilege, **"User name"** and **"Password"** of remote user. Otherwise you cannot connect to local site from remote site.

4.  **Video Window:** There are including 5 icons for setting video window, the description show as below:

-  **Arrange Video Window:** When click the button the video window will arrange to optimize position automatically.
-  **Zoom in video:** The button is designed to zoom in (amplify) the video display image. After pressing the button, the following zoom in icon will show up for you to increase the size of display window. Select the video window that you would like to zoom in, and then just quickly click the left button of Mouse twice. This display window will be amplified on the monitor.
-  **Zoom out video:** The button is designed to zoom out (shrink) the display image. After pressing window. After pressing the button, the following zoom in icon will show up for

you to decrease the size of display window. Select the video window that you would like to zoom out, and then just quickly click the left button of Mouse twice. This display window will be shrink on the monitor.

- 

Original video: The button is designed to recover the display image. After pressing the button, the following original window size icon will show up for you to recover the size of display window. Select the video window that you would like to recover, and then just quickly click the left button of Mouse twice. This display window will go to original video size of the window.

-  **Change video Size:** The button is designed to change the resolution of video window. After pressing the button, the following change video size icon will show up for you to change the resolution of display window. This display window will go to change the resolution from 160x120, 176x144, 320x240, 352x288 and 640x480 format to recycle.

5.  **Playback detection Video:** Execute the current motion detection recorded video file directly. If you press the button, the screen will display number of camera for you to select a video file from the camera name list. Before you can play a recorded video, you need to select camera name and recording period that you want to playback.

6.  **Playback sequencing Video:** Execute the current sequence recorded video file directly. Please refer to the description of **"Playback detection Video"** icon.

7.  **Stop sound alarm:** When the sound alarm, click this icon the alarm will be stop.

8. 

Listen: When you open the Security application software and your modem not installed, then the icon will enable. If modem has be installed the icon will be disable.

9.  **Hang Up:** When you finish communicating with the remote site, you need to instruct Security software hangs up the modem. This leaves the telephone line TCP/IP for other communications software or voice calls.

10.  **Current connect site:** Click this manual bar, and then you can find out the user that connects from remote site via TCP/IP Protocol.

11.  **Disconnect TCP/IP user:** When you finish communicating with the remote site, you need to instruct Security software disconnect TCP/IP user.

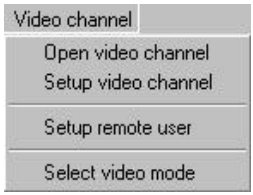
12.  **Setup Password:** Let you protect your system; just allow some of special person who has the right to control the Security application. It includes Load system, Exit system, Open video window, Playback video clips, Close video window and Setup remote user.

13.  **Online Help:** This menu provides important information about the application.

14.  **Exit:** Close the Security application.

4-3. The description File Manu Bar of Security Local Transmitter software

The file menu bar, as found in mModem standard Windows applications, is more standardized way to launching of the same functions found in the Tool Bar buttons.

1. **Video Channel:** 

- **Open video channel:** Please refer to the Tool bar description.
- **Setup video channel:** Please refers to the Tool bar description
- **Setup remote user:** Please refer to the Tool bar description.
- **Select video mode:** Select NTSC or PAL video system to match your video device type.

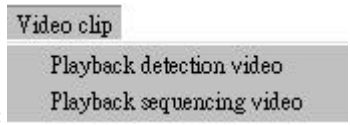
Warning: *If this setting is set incorrectly video may appear scrambled, or may be black and white in the video window after clicking the preview button. Select one of these options to indicate the type of video device. Change this setting if the video appears to be misaligned in the video window.*

2. **Video window:** 

- **Arrange video window:** Please refers to the Tool bar description.
- **Zoom in video:** Please refer to the Tool bar description.
- **Zoom out video:** Please refer to the Tool bar description.
- **Original video size:** Please refer to the Tool bar description.
- **Change video size:** Please refer to the Tool bar description.
- **Setup all video channel:** If you would like to setup the parameter of all video windows, that you can select this tool bar for setting.

3. **Image:** 

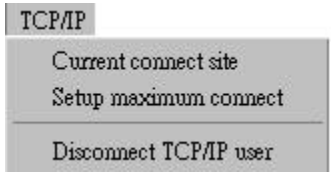
Adjust image color: Click this icon then you can adjust the color parameter of camera that includes Brightness, Hue, Saturation Sharpness Gamma, White Balance and Backlight.

4. **Video clip:** 

- **Playback detection video:** Please refer to the Tool bar description.
- **Playback sequencing video:** Please refer to the Tool bar description.

5. **Modem:** 

- **Listen:** Please refer to the Tool bar description.
- **Hang up:** Please refer to the Tool bar description.
- **Select modem:** Please refer to the Tool bar description.

6. **TCP/IP:** 

- **Current connect site:** Click this manual bar, and then you can find out the user that connect from remote site via TCP/IP Protocol.

  If you will finish communicating with the TCP/IP remote user, you can click Break button.

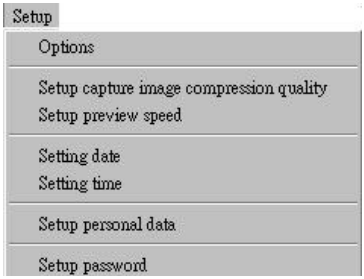
  If you would like to update the newest list of TCP/IP remote user, you can click Refresh button.
- **Setup maximum connect:** This function is set the maximum remote user that can connect via TCP/IP protocol.
- **Disconnect TCP/IP user:** Please refers to the Tool bar description.

7. **View:**



- **Toolbar:** Enable or disable Tool bar function. Click left button of Mouse at this menu bar or **"ESC"** button of keyboard, the Tool bar will be behind. If you would like to return normal, just click the bar or Esc button of keyboard again. The window will be returned to normal.
- **Display date/time:** Enable or disable to display the date/time on video window or video clips.

8. **Setup:**



- **Options**: it can enable the **"Auto run Security"** application; **"Auto arrangement video window"**, **"Video display on full space"** and Setup the function of **"Disk Space insufficient as recording"** icon.



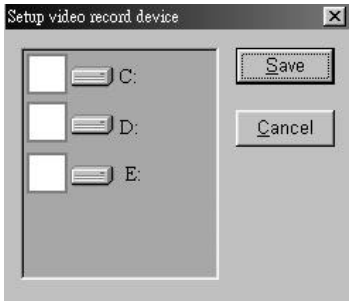
Auto run Security: This function is set on "enable"; the computer will open Security application software automatically when PC is turned on. The default is "disable".

Auto arrange video window: It enable, the video windows will be arranged properly on the screen as video channel is opened.

Video display on full space: It enable, the video windows will be full the space of screen as video channel is opened.

Disk Space insufficient as recording:

- **Setup video record device:** You can select which hard disk that you would like to save the video clips **(Fig E)**.

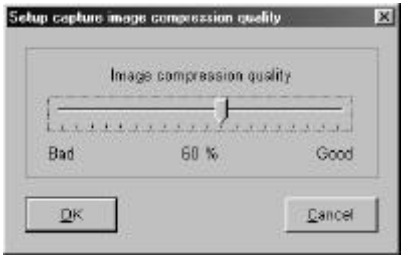




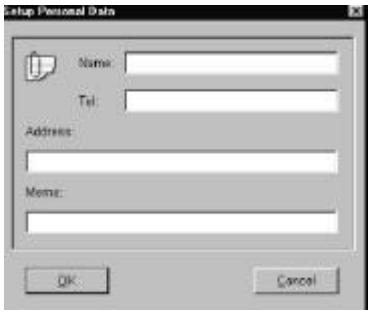
(Fig E) **(Fig F)**

- **Notify insufficient disk space:** Entry the number of hard space that you would to notify you when the space of hard disk is less than entry number. When the space insufficient, it will show information as below and red node will be flash on the below of screen. It will delete the oldest file when the hard space is less than your defined. Default is 600 MB. **(Fig F)**
- **Erase hard disk space each time:** when disk space is under the setting of "**Notify insufficient disk space"**. It will delete hard disk space that you set number MB each time. Default is 500 MB.

- **Set up capture image compression quality:** You can choice image compression quality when you make video records. There are mModem connections between video quality and compression rate. The right part you choose on selection bar, the batter quality the image will appear. Subsequently, good compression quality settings will result in larger file size.



- **Setup preview speed:** Powerless CPU of PC will cause vibration imagine on the video window, so you can move the slider bar to slow preview speed for solve the problem.
- **Setup date:** Click the Manual bar that you can change date of system.
- **Setup time:** Click the Manual bar that you can change time of system.
- **Setup personal data:** If you use the Security system for the first time, you are requested to key in the personal information for the local camera. Otherwise, you cannot get the relative information about the sender when the function of Auto-Launch is executed and the remote site receives the images transferred from the local site.



- **Setup password:** Please refer to the Tool bar description.

9. **About:**



- **Online help:** Please refer to the Tool bar description.
- **About Security:** Please refer to the Tool bar description.

10. **Exit:** Close the Security application.

4-4. How to setup video channel?

Before you servile via cameras, you have to create video channels first. You can create video channel by doing the following steps:

Step1. Click  icon for create video channel and the diagram (Fig. G) shows as below:

The diagram **Fig. G** (**For Security system only.**)



(Fig. G)

Step2. Input a new video channel

- If you install more than one video capture device, please select the number into the blank of **Card.**
- Select the number into the blank of **Channel** and input the address into the blank of **Location**.
- After you finish the inputs, press **Add** button. Your new video channel will be saved and showed in the dialog box of **Open video channel**.

Step3. Delete a video channel

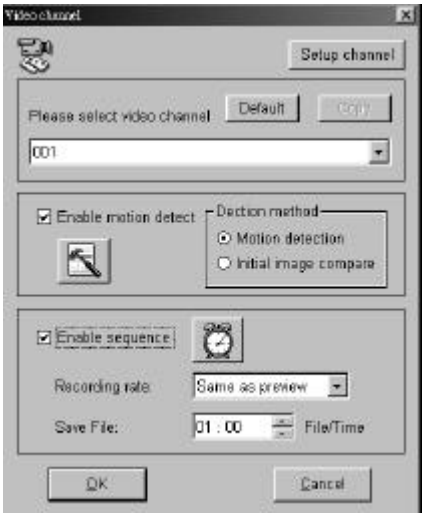
- If you want to delete a video channel from the list video, click the number of channel. The selected channel will be marked. And then, you can press **Delete** button. This video channel will be moved from your video channel book.

Step4. Exit setup channel

You can press **Exit** button to close the setup channel.

4-5. How to open video window?

If you start to use the Security Local Transmitter software you must create video channel first, otherwise you will not able to open video window.



You can choose the appropriate camera from the list of available cameras displayed by the **drop-down** box and sets you configure the various video settings, open a video channel, motion detection, Video display period, Sound alarm, reserve the recording schedule, Motion sensitive, Notification via Pager, Phone and Auto-lunch to remote site...etc. And you can setup video window by doing the following steps:

Step 1: Select video channels: You can choose the appropriate camera from the list of available cameras displayed by the **drop-down** box and sets you configure the various video settings.

Step 2: Setup video channels: You can set individual parameter for each camera. The setting ways and functions are as follows:

- ***Setup channel:*** Please refer to the chapter of how to set up video channel.
- ***Default:*** Return all of settings back to original default.
- ***Copy:*** Copy the parameter of used camera to the camera you would like to start up.
- ***Enable motion detect:*** As the function of motion detection enables, that means the system will record and alarm automatically in local site once someone enters into the detection area;

meanwhile, the videos will be transferred to Modem person or certain PC that you would like to notify via modem. Click  button for more detail setting, please refers to **4-7. How to setting motion detection?**

Warning: It is better not to enable this function when camera is installed outside.

TIP: When motion detection is triggered, the video window of opening camera will be marked with red frame. The red frame will disappear, when you double click right button of Mouse. This function can remind user that someone ever enters into detection area.

- ***Detection method:*** This function will be available after enabling motion detection.

  Motion detection: To compare the newest video with the last one.

  Initial image compare: To compare the newest video with initial one captured at the moment of camera starts up.

- ***Enable sequence recording:*** To keep a pointed camera recording sequentially and the videos will be saved on hard disk. Click  button for more detail setting, please refers to **4-8.How to setting the schedule?**

  Recording rate: You can select recording rate from 0.3 FPS to 10 FPS of each camera. If preview speed of camera is lower than recording rate that you set up; it only can be recorded at preview speed.

  Save file: Set up the recording time per video file.

Step 3: Press **OK** button: Press **OK** button the setting parameters will be saved and video showed on screen.

4-6. The Tool Bar of video window

You can choose the appropriate camera from the list of available cameras displayed on the screen and the video window tool bar is a set of easily identifiable buttons that give you complete control individual camera. These buttons are as follows:

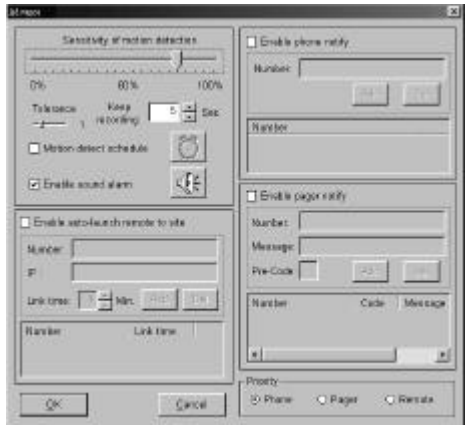


- **Quick open video channel:** Lets you quick to change the current video channel. Please refers to the chapter of **How to open video window?**
- **Fix Video channel:** When system is polling the available cameras, click this button the video of camera will show on the screen. The other cameras will disable to polling.
- **Detection Area:** Setting the area of Motion detection. For more detail information, please refers to the chapter of **How to setup detection area?**
- **Motion detect:** Enable and disable the function of Motion detection.
- **Real time recording:** Active video captures.
- **Sequence recording:** Enable or disable the function to keep camera recording sequentially.
- **Stop:** Active only after a video is recording, this button stop the record of video clip.
- **Snapshot:** This button TCP/IPzes the video image as a photograph. Click right button of Mouse that can be saved as a BMP file or printed it via printer.

Warning: You cannot enable ***"Real time recording"*** function for long-time record. If you would like to record for a long time, please enable ***" Sequence recording"*** icon.

4-7. How to setup motion detection?

Click  icon for more detail setting of motion detection and the diagram shows as below:



You can setup video window by doing the following steps:

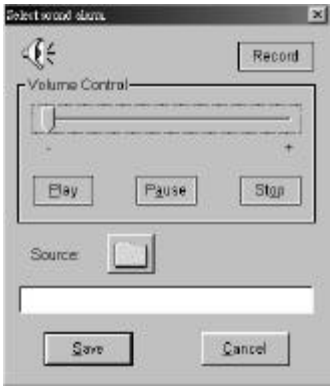
- **Sensitivity of motion detection:** Move the slider right and left to adjust detection sensitivity. Move to the right, the detection sensitivity is getting active. It means the function of motion detection will be started once there is a very little bit of change on the image.

Note: The value of sensitivity depends on the installation place to set up the opposite value.

- **Tolerance:** In order to avoid the fault alarm caused by jump frame, you can set the image tolerance. If you setting value is 2, which mean the change of two sequence frames will trigger motion detection function. The default is set on 1.
- **Keep recording:** When the image changes and trigger the Motion Detection function, these videos will be saved into a file. If the alteration time which stops from last change and starts from next change is not over the setup time, then it will be also saved into the same file as the last.
- **Motion detect schedule:** Setting time for camera to start up motion detection. Click button for more detail setting, please refers to **4-8. How to setting the schedule?**

Warning: Be sure the period you would like to execute motion detection, since the function will be available within this period.

- **Enable sound alarm:** When motion detection starts up, the sound alarm will be enabled. Then, you can choose various sounds for setting separate camera. Please follow the steps below to set up. You can choose and change Modem sound for each camera. There are five kinds of wave file in Security software as default, that you also can be selected wave file from the other folder. Before that, you can audition it.



  - **Volume control bar:** The slider is for controlling sound volume.
  - **Play:** After select the Wave files, click this button the sound will alarm via speaker.
  - **Pause:** Active only after a sound is playing, this button stops the playing wave file at a specific point; clicking again will playback the sound at the point it was stopped.
  - **Stop:** Active only after a sound is playing, this button stop the playback of the wave file.
  - **Source:** Click this button you can **"Browse wave"** file from folder.
  - **Save:** After you finish the selection, press this button. New sound alarm will be saved in the video channel.
  - **Cancel:** Click this button to exit.
  - **Record:** Click this button to record wave file. For more detail setting, please refers to **4-13. "How to make warning wave file?"**

Enable Auto-Launch to remote site: Once motion detection is triggered, the videos recorded by local site will be transferred to the remote site via telephone and Internet; in the meantime, the videos will be saved on stated path in the remote site. Besides that, ModemView and TCP/IPView will also alarm to inform the remote viewer and stick first trigger picture on the remote screen.

- **Link time:** To time the period for hanging up after video transmission from the local site to the remote site.
- To setting the Auto-launch to remote site, following steps:

  1. If you want to save a new remote site of Auto-launch, please input the phone number or IP address into the blank of **Number.**

  2. Select the period that you would like to transmission please input the number to the blank of **Link time.**

  3. After you finish the inputs, press **Add** button. Your new phone number will be saved and showed in the number dialog box.

Note: 1. If you use the telephone to notify the remote site, first you have to enable modem and ModemView software in the remote site, and then you can get automatic notifications.

2. If you use the Internet to notify the remote site, both sites (remote and local site) must have fixed IP address and 24 hours on Internet. Meanwhile, It also has to enable TCP/IPView software in the remote site, and then you can automatic notifications.

Enable phone notification: When motion detection is activated, the system will automatically notify stated phone number. Via phone, the receiver will hear whistles.

Note: The above notifications will be hung up after 1 minute when the phone is put through.

Tip: If there are extension numbers in telephone system, please use a semi-comma (,) or several semi-commas to district phone number and extension number. The number of semi-comma depends on different PBX brand, so please test it in advance.

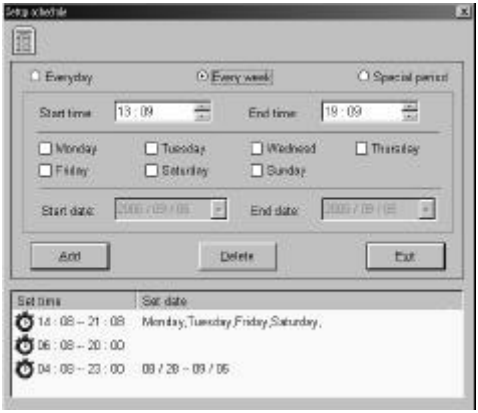
Enable pager notification: When motion detection is activated, the system will automatically notify stated pager. Via pager, the receiver will see a round of message showed on the LCD display.

- **Message:** Please key in Arabic numerals, which will represent message for receiver.
- **Pre-Code:** Different pager system will cause different Pre-Code, so please key in correct Pre-Code for your country use. Ex. It is possible **"#"** or **"2"** in Taiwan area.

Priority: Choose notification priority. If user selects first to notify by phone, the appointed phone number will receive notifications first when system is activated.

4-8. How to setup the schedule?

You can key in a special date, everyday or every week to activate the schedule of **Motion detection** and **Sequence recording**. If you select the command, the system will display the following Time Setting dialog box on the screen:



To set the timetable for recording, following steps:

Setup the schedule of Everyday

1. Select **Everyday**.
2. Select the beginning time of record from the blank of **Start time**.
3. Select the time ending of record from the blank of **End time.**
4. After you finish the inputs, press **Add** button. Your new timetable will be saved and showed in the dialog box.

Setup the schedule of Everyweek

1. Select **Everyweek**.
2. Select the day you would like to setup.
3. Select the beginning time of record from the blank of **Start time**.
4. Select the time ending of record from the blank of **End time.**
5. After you finish the inputs, press **Add** button. Your new timetable will be saved and showed in the dialog box.

Setup the schedule of Special period

1. Select **Special period.**
2. Select period that you would like to enable recording function.
3. Select the time of beginning record from the blank of **Start time**.
4. Select the time ending of record from the blank of **End time**.
5. After you finish the inputs, press **Add** button. Your new timetable will be saved and showed in the dialog box.

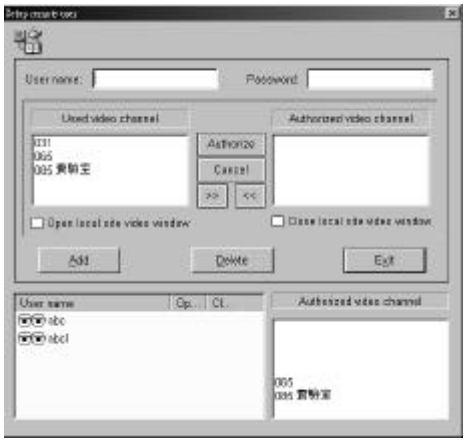
TIP:

If the above setting covers two days, you have to enter the schedule two times. Ex. Record videos from PM3: 00 to AM6: 30 next day. Please key in time from 15 hr. 0 min. to 23 hr. 59 min. and press **Add** button**;** then enter another schedule from 0 hr. 0 min. to 6 hr. 30 min. and press **Add** button again.

4-9. How to setup the privilege of remote viewer?

Before you servile via remote site, you have to setup the privilege of remote viewer first. Otherwise the remote viewer cannot access the local site.

This chapter walks you through setup process for supervisor to setup the privilege of remote viewer.



You can setup privilege for remote viewer by doing the following steps:

Step 1. Input the user name into the blank of **User name.**

Step 2. Input the password into the blank of **Password.**

Step 3. Select the video that you would like to be privileged from the ***Used video channel.***

Step 4. Press **Authorize** button; this video channel will be authorized. Also press >> button and all **Used video channels** will be authorized.

Step 5. After you finish the inputs, press **"Add"** button. Your new remote user will be saved and showed in the dialog box.

Step 6. You can enable or disable "**Open local site video window**" and "**Close local site video window**" function for remote user to control video window of the local site.

- **Delete a remote user**

  Click the User Name of remote user. The selected name will be marked. And then, you can press **"Delete"** button. This user name will be moved from your remote user book.

- **Close setup remote user:** You can press **"Exit"** button to close the setup remote user.

4-10. How to setup the password?

You can setup password by doing the following steps:



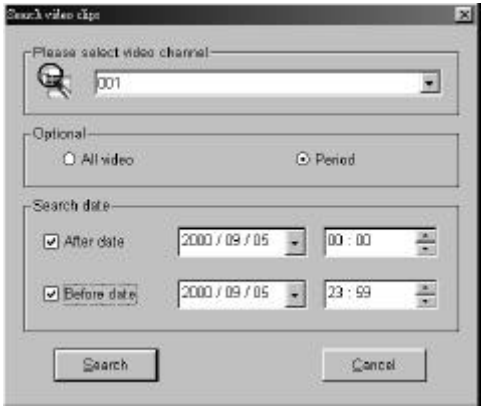
1. Fill in the old password that was entered before. If this is new installation, just ignore it.
2. Fill in the new password you want into the password blank.
3. Fill in the new password again to confirm it.
4. Fill the functions that you would like to protect.
5. Hit the **OK** button.

From now on, the system is under the influence of the password. You are required to enter correct password to see Modem image on the screen until the Password Enable is deselected.

Note:

1. If you forget the password you entered before, the only solution is to reinstall the software.
2. If the Password enable is not checked, the system is always available for everyone.
3. The user name and password must match case.
4. A password for the system is consisted of 1 to 20 characters, which could be alphabets or characters or combination of the both.

4-11. How to playback the video clips?



You can playback the video clips as the following steps:

Step 1. Select **detection** or **sequencing** video clips that you would like to playback.

Step 2. Click the camera that you would like to playback.

Step 3. Click  icon for search video clips.

Step 4. Select **"All video"** or **"Period"** icon.

- If you select **"Period"** icon, please enter the date and time into the **After Date**, **Before Date** or **both** blanks.

Step 5. Click **"Search"** button and all files during the specified period will be played, and start from the beginning record time automatically.

You can delete the video clips as the following steps:

Step 1. Select **detection** or **sequencing** video clips that you would like to delete.

Step 2. Click the camera that you would like to delete.

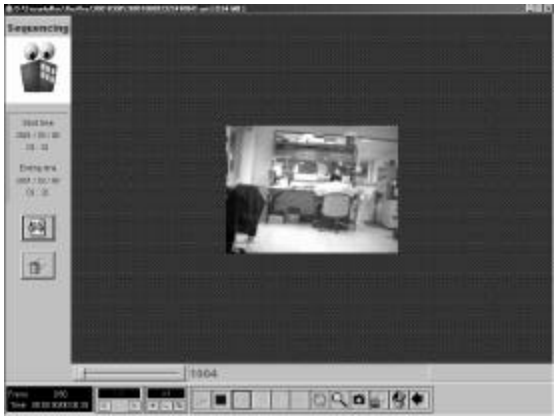
Step 3. Click  icon for search video clips.

Step 4. Select **"All video"** or **"Period"** icon.

- If you select **"Period"** icon, please enter the date and time into the **After Date**, **Before Date** or **both** blanks.

Step 5. Click **"Delete"** button and all files during the specified period will be deleted automatically.

Playback the video clips



The video file will show the file name, file size, and total frames and time, also the video toolbar is a set of easily identifiable buttons that give you complete control over video. These buttons are as follows:

Playback--Active only after video has been captured; this button allows you to view the motion video clip you captured.

Pause--Active only after a video is playing, this button stops the playing video clip at a specific point; clicking again wills playback the video clip at the point it was stopped.

Stop--Active only after a video is playing, this button ceases playback of the video clip.

Rewind-- Active only after a video clip has been captured; this button moves the video clip backwards. Click once to back up one frame.

Forward-- Active only after a video clip has been captured; this button moves the video clip forward. Click once to move forward one frame.

Go to top-- Referred to as" trim in" in professional systems, this button controls the starting point for saving of the video clip.

Go to button-- Referred to as "trim out" in professional systems, this button controls the ending point for saving of the video clip.

Slider Control-- Active only after a video clip has been captured, this displays the current position of the video clip and allows users to move to different points within the

clip; left = backward, right = forward.

 **Snapshot--** This button TCP/IPzes the video image as a photograph. That can be saved as a BMP file or copy it to the Windows clipboard.

 **Change video size--** The button is designed to change the resolution of video window that you would like to playback. After pressing the button, the following change video size icon will show up for you to change the resolution of display window. This display window will go to change the resolution from 320x240, 352x288, 640x480 and Full screen format.

 **Recycle--** The button is designed for recycling to playback video clips.

 **Video Clips:** This button is for choosing the video clips that you would like to playback.

 **FPS:** This button is for selecting the frame rate, when you playback vide clip.

4-12. How to setup motion detection area?

If user would like to detect regional area, please select  icon of video window and follow the steps below:



Step1. On the screen, decide first the detection area, then move mouse to its incipient spot and click left button of mouse. Keep pressing it until the area is marked.

Step2. Click **Add area** button, after that, the screen will appear yellow mesh to mark the detection area.

Step3. If the area is over one, please repeat Step1 and Step2.

Step4. Click **OK** button for finish settings

Note:

1. Only change that happened in setting areas would activate motion detection.

2. When motion detection is triggered, the video window of opening camera will be marked with red frame. Double click left button of Mouse and then the red frame will disappear. This function can remind user that someone ever enters into detection area.

Remove detection area?

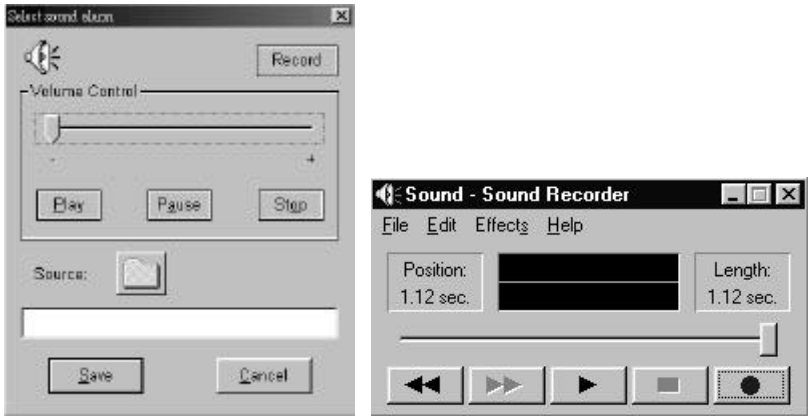
Step1. Select the coordinate of detection area that you would like to remove.

Step2. Press **Del area** and the yellow mesh will disappear.

Step3. Click **OK** button.

4-13. How to make warning wave file?

There is "Sound recorder" application software on the Windows98. The Sound recorder software enables you to record a sound file that you would like to warn, once motion detection is triggered. You can make a warning sound fill channel by doing the following steps:



(Fig J)

You can use Sound recorder application software by clicking on the Record button and then the Programs will be displayed as Fig J.

To record a sound

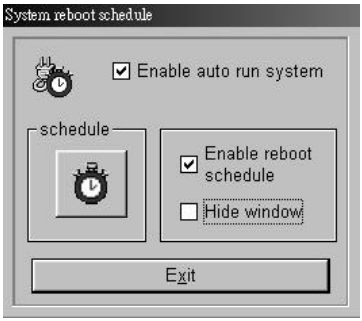
1. Make sure you have audio input device records music and voice input into your computer. Examples of audio input devices are CD-ROM players and microphone.
2. On the File menu, click **"New file"**.
3. To begin recording, click Record button.
4. To stop recording, click Stop button.
5. On the File menu, click **"Save As"** button. If you will send the wave file that you record.

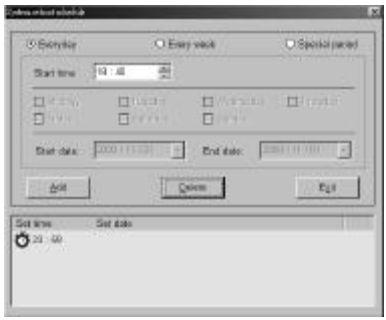
Note: If you would like to make a wave file for **"Phone notify"** use, the file format must be 8,000Hz, 16 bit Mono and be saved under the path of **C:\Program Files\Security\Security For Local Transmitter\warn.wav.**

4-14. How to make the PC system more stable?

Some time the Remote security and surveillance system will fail that causes by Windows98. The function of **"System reboot schedule"** program can be reduced the PC system failure that causes by Windows98.

You may access the program by clicking on the **"Start"** button and then the "**Programs"** folder, "**Security For Local Transmitter "** Group and finally click on the **System reboot schedule** icon. You can use this program to set the schedule for reboot Windows98 system. You can key in a **special date**, **everyday** or **every wee**k to activate the schedule of reboots PC system. If you select the command, the system will display the following Time Setting dialog box on the screen:





When you use the program follow up the step show as below:

1. Enable auto run system.
2. Enable reboot schedule.
3. Click icon for setting the reboot schedule.
4. Enable hide window.
5. Enable "**Auto run Security**" software.

To set the timetable for system reboot schedule following steps as below:

1. Select **Everyday, Every week** or **Special period**.
2. Select the beginning time for reboot system from the blank of **Start time**.
3. Press **Add** button and then thee timetable will be saved and showed in the dialog box.

**** For more detail information, please refer to the On-Line Help.****

5. Use ModemView software (For modem user)

5-1. General Information of ModemView Software

Once you have finished installing the software three new groups and icons will be created for you. You may access them by clicking on the start button and then the **Programs** folder, **ModemView For Remote Viewer** Group and finally click on the **ModemView For Remote Viewer** icon.

- **ModemView software -** The **"ModemView"** software enables you to remotely patrol your home, office, retail outlet, warehouse, factory etc. from Modem place at Modem time as long as you have the access to the telephone line.
- **ModemView On-line Help -** On-line User Guide files that contains the installation and operation manual.
- **Uninstall ModemView software -** Application to remove ModemView software from computer.

This Chapter discusses the ModemView software how to connect to local site and the main purpose of ModemView is to connect with a local site for monitoring the active cameras there.

When you use the ModemView for the first time. Maybe will get some error messages as below:

- **If the system stops responding and does not load the software, then please make sure that your system meets the Minimum System Requirements.**
- **If the List** 

icon is enable, then a valid modem is not installed. Please check the modem and telephone line is connected to your computer.

5-2. The description Tools Bar of ModemView software

Before you begin using the ModemView software, it is important that you learn how to use the Tools Bar.

The Tools Bar enables you to easily and quickly connect to local site via modem, control the video channel of local site, display local site video channel, save video files, and configure exactly how you want the program to work etc.

There are 13 headings on the Tool bar:

1.  **Connect to local site:** For remote site to connect with local site via modem directly, and get video transmission from local site. You can choose the size and quality of transmission image.

2.  **Hang up:** When you finish communicating with the local site, you need to instruct ModemView to hang up the telephone. This leaves the telephone line TCP/IP for other communications software or voice calls.

3.  **Stop sound alarm:** When the sound alarm, click this icon the alarm will be stop.

4.  **Setup phone book:** The Phone Book lets you easily keep track of the sites you call. Rather than entering the same phone number every time you connect to a site. You can store it in the Phone Book along with other contact information.

5. 

Select modem: If there are two kinds of modem on your computer, then you can select one that you would like to use.

6. 

Listen: When you open the Security application software and your modem not installed, then the icon will enable. If modem has be installed the icon will be disable.

7.  **Open local site video channel:** To select and open the camera of local site.

8.  **Video Window:** There are including 5 icons for setting video window show as below:

-  **Arrange Video Window:** When click the button the video window will arrange to optimize position automatically.
-  **Change video Size:** The button is designed to change the resolution of video window. After pressing the button, the following change video size icon will show up for you to change the resolution of display window. This display window will go to change the resolution from 160x120, 320x240, 352x288 and 640x480 format to recycle.

9.  **Playback Video:** Execute the current recorded video file directly.

If you press the button, the screen will display name of camera for you to select a video file from the camera name list. Before you can play a recorded video, you need to select and open camera name file you want. Then you can click a file to select it and press Play button to play it. or, just click twice at the targeted file. This file will be played from the input beginning time. The file will show camera channel, location and record time, it is an easy way to find out the video clip that you would like to playback. Before you choose the image file, you can easily preview it on the dialog box. It is so friendly designed.

10.  **Setup video record path:** Before execute to record video file, you have to select the path that you want to save; if you want to change the save path from default to other directory.

11.  **Setup password:** Let you protect your system; just allow some of special person who has the right to use ModemView application.

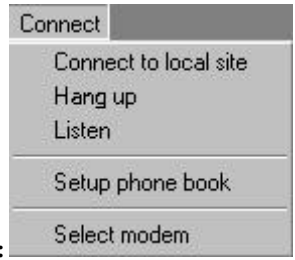
12.  **Online help**: This menu provides important information about the application.

13.  **Exit:** Close the ModemView application

5-3. The description File Menu Bar of ModemView software

The file menu bar, as found in mModem standard Windows applications, is more standardized way to launch mModem of the same functions found in the on-screen buttons.

1. **Connect:**

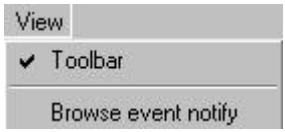


- ***Connect to local site:*** Please refer to the Tool bar description.
- ***Hang up:*** Please refer to the Tool bar description. (Only active after local site has been connected.)
- ***Listen:*** Please refer to the Tool bar description. (Only active when the modem not install complete.)
- ***Setup phone book:*** Please refer to the Tool bar description.
- ***Select modem:*** Please refer to the Tool bar description.

2. **Video channel:**



- ***Open local site video channel:*** Please refer to the Tool bar description.
- ***Arrange video window:*** Please refers to the Tool bar description.
- ***Change video size:*** Please refer to the Tool bar description.

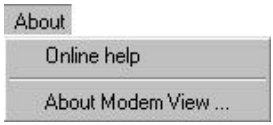
3. **View:** 

- ***Tool bar:*** Enable or disable Tool bar function.
- ***Browse event notify:*** Click this manual bar, then you can find out the event of auto-launch from local site easily.

4. **Video clip:** Please refers to the Playback video clips of Tool bar description.

5. **Setup:** 

- ***Options:*** It can enable the auto run, auto arrangement and detect hard disk space. Please refer to the chapter of **How to setup the function of options?**
- ***Setup video record path:*** Please refer the Tool bar description.
- ***Setup password:*** Please refer the Tool bar description.

6. **About:** 

- ***Online help:*** Please refer the Tool bar description.
- ***About ModemView:*** Please refer the Tool bar description.

7. **Exit:** Close the ModemView application.

5-4. Start to use ModemView Software

This Chapter discusses use the ModemView software. The main purpose of ModemView is to connect

with a local site for monitoring the active cameras they're via modem.

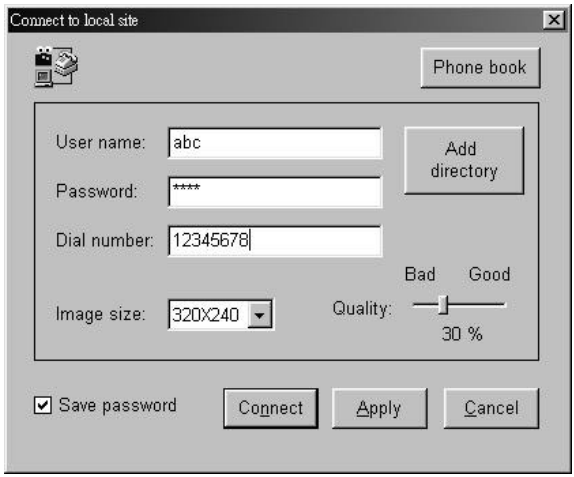
Follow these steps to use the ModemView software:

- **Making a phone call via modem**

In summary, you can use the remote monitoring by doing the following steps:

Step1. Connects your modem and telephone line with you personal computer.

Step2. Click the Connect to local site button on the **Tool bar.** The **Connect dialog box** shows as Below:



Enter the User name, Password and Dial number to call. You also can click **Phone book** button to select dial-up number from Phone book. If you want to select a phone number from the Phone Book for dialing, click the name of this phone number. The selected name will be marked. And than, you can press **Select** button. This phone number will be put into **Connect to local site** dialog box.

Step3. Select small Image size (160*120) and Quality (Bad), then you can usually increase the transmission speed. Choose large Image size (320*240) and Quality (Good), and then you will get better image quality.

Step4. Press the **Connect** button to complete the operation. After that ModemView dials the specified

Step5. Click **Add directory** button then you can save user name, password and phone number to Phone book.

- **Controlling local site Cameras**

When the local video window opens, the tool bar will appear beside it. This tool bar lets you control camera easily from remote site. With this tool bar you can also trigger Modem of local camera that you
have set up with your hardware installation.



Record: Click this button to activate video capture.

Stop: Active only after a video is recording, clicks this button; stop to record video clip.

Fix Video channel: When system is polling the available cameras, click this button the video of camera will show on the screen, the other cameras will be unable to poll.

Snapshot: This button TCP/IPzes the video image as a photograph. Click right button of Mouse that can be saved as a BMP file or printed it via printer.

Delete: After select the opened camera; click this button the video windows will be deleted.

- **Disconnecting**

When you finish communicating with the local site, you need to instruct ModemView to hang up the

telephone. This leaves the telephone line TCP/IP for other communications software or voice calls.

To

disconnect, click the **Hang up** button on the tool bar.

6. Use the TCP/IPView software (For TCP/IP user)

6-1. General Information of TCP/IPView software

Once you have finished installing the software three new groups and icons will be created for you. You may access them by clicking on the start button and then the **Programs** folder, **TCP/IPView For**

TCP/IP Viewer Group and finally click on the **TCP/IPView For TCP/IP Viewer** icon.

- **TCP/IPView software -** The "TCP/IPView" software enables you to remotely patrol your home, office, retail outlet, warehouse, factory etc. from Modem place at Modem time as long as you have the access to the telephone line.
- **TCP/IPView On-line Help -** On-line User Guide files that contains the installation and operation manual.
- **Uninstall TCP/IPView software -** Application to remove TCP/IPView software from computer.

This Chapter discusses the TCP/IPView software how to connect to local site and the main purpose of TCP/IPView is to connect with a local site for monitoring the active cameras there.

When you use the TCP/IPView for the first time. Maybe will get some error messages as below:

- **If the system stops responding and does not load the software, then please make sure that your system meets the Minimum System Requirements.**
- **You MUST be connected to Internet, before you use the TCP/IPView software.**

6-2. The description Tools Bar of TCP/IPView software

Before you begin using the TCP/IPView software, it is important that you learn how to use the Tools Bar.

The Tools menu bar enables you to easily and quickly use TCP/IP to connect local site via Internet or Intranet, control the video channel of local site, display local site video channel, save video files, and configure exactly how you want the program to work etc.

1. **Connect to local site:** For remote site to connect to local site via TCP/IP directly, and get video transmission from local site. You can choose the size and quality of transmission image.

2. **Disconnect:** When you finish communicating with the local site, you need to instruct TCP/IPView to disconnect the IP address.

3. **Setup site book:** The Site Book lets you easily keep track of the sites you call. Rather than entering the same IP address every time you connect to a site. You can store it in the Site Book along with other contact information.

*****The others function of Tools Bar same as ModemView, please refers the tool bar descriptions of ModemView. *****

6-3. The description File Menu Bar of TCP/IPView software

TCP/IPView The description of File Menu Bar

1. **Connect:**

- ***Connect to local site:*** Please refer to the Tool bar description.
- ***Disconnect:*** Please refers to the Tool bar description. (Only active after local site has been connected.)
- ***Setup site book:*** Please refer to the Tool bar description.

*****The others function of File Menu Bar same as ModemView, please refers the File Menu Bar descriptions of ModemView**

6-4. Start to use TCP/IPView Software

This Chapter discusses use the TCP/IPView software. The main purpose of TCP/IPView is to connect

with a local site for monitoring the active cameras they're via Internet or Intranet (TCP/IP).

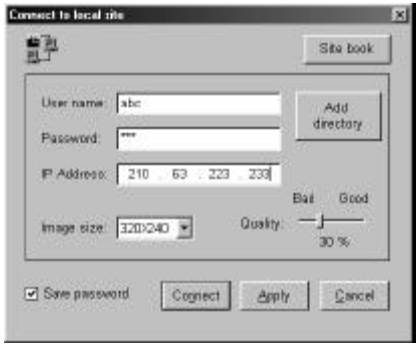
Follow these steps to use the TCP/IPView software:

- **Making a TCP/IP call via Internet**

In summary, you can use the remote monitoring by doing the following steps:

Step1. Connects Internet or Intranet with you personal computer first.

Step2. Click the **Connect** to local site button on the **Tool bar.** The **Connect dialog box** shows as below:



Enter the **User name**; **Password** and **IP address** to call. You also can click **Site book** button to select dial-up IP address from **Site book**. If you want to select an IP address from the **Site book** for dialing, click the name of this IP address. The selected name will be marked. And than, you can press **Select** button. This IP address will be put into dialog box of **Connect to local site**.

Step3. Select small Image size (160*120) and Quality (Bad), then you can usually increase the transmission speed. Choose large Image size (320*240) and Quality (Good), and then you will get better image quality.

Step4. Press the **Connect** button to complete the operation. After that TCP/IPView dials the specified

IP address and connects to the remote site.

Step5. Click **Add directory** button then you can save user name, password and IP address to **Site book.**

- **Controlling local site Cameras:** Please refer to the description of ModemView.
- **Disconnecting:**

  When you finish communicating with the local site, you need to instruct TCP/IPView to disconnect the IP address of Local Site.

*** If need more detail information or operation, please refer to the On-Line Help of TCP/IPView. ***