

InfoView™

IV 3000 / IV 2000



Version 1.30

InfoViewTM

IV 3000 / IV 2000

Version 1.30

Congratulations on your purchase of the *InnoMedia InfoView*.

InfoView brings you the Video Phone, the next generation of communication where you can enjoy enriching communication of voice and video. Using your TV as the screen while transmitting voice and images through a phone line, InfoView optimizes the use of readily available consumer electronics products.

In addition, the InfoView unit is also equipped with many practical features such as Auto Answer, High Quality TV Output, VCR Recording Capability, Software Upgrade and more.

Full understanding of what this product offers begins with reading this operating manual. This operating manual includes a Quick Start Chapter for you to set up your unit quickly and effectively.

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UPDATES

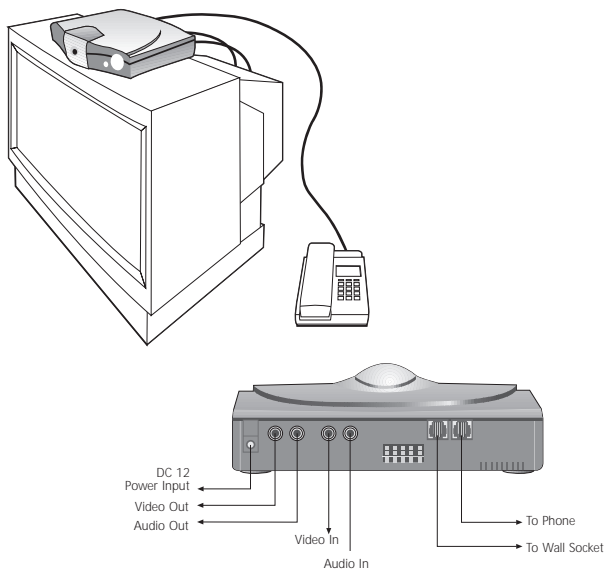
Updates to the products and the manual are obtainable at participating InnoMedia dealers and distributors or through Innomedia website.

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Chapter 1 Quick Start Page

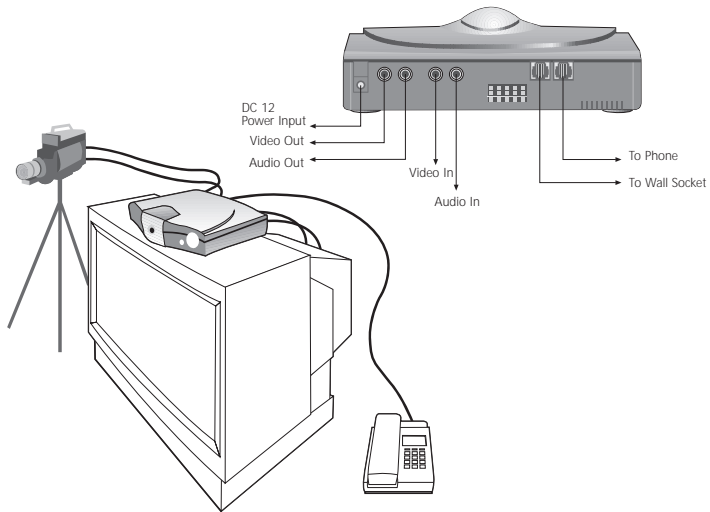
This chapter explains how to set up your InfoView. After you follow the instructions in this chapter, you will be ready to make your video call.



Step A: Set-Up Procedures for InfoView

1. First, disconnect your phone cable from the wall phone connector, and connect it to the **PHONE** connector at the back of the InfoView. If your phone cable is not long enough, please use the phone cable provided for the connection. There are two phone cables with different lengths in your InfoView package
2. Next, insert the second phone cable to the **LINE** connector at the back of InfoView, and connect the other end to the wall phone jack.
3. Plug in the color-coded **Audio/Video** cable to the respective **AUDIO/VIDEO-OUT** connectors at the back of InfoView. Connect the other ends of the cable to the **AUDIO/VIDEO-IN** connectors at the back of your TV. Please refer to the above drawing for proper location of the related connectors.

4. Plug in the power adapter to the wall power socket. **⚠ DO NOT** switch ON the power adapter at this point
5. Connect the pin of your power adapter to the small power socket located at the back of InfoView, labeled **POWER DC 12V**.
6. You have successfully set up your InfoView.
7. Switch ON the power adapter and press the power switch **⏻** at the front of your InfoView to power ON InfoView
8. A good location to place your InfoView is on top of your TV or beside it



[Optional] Step B: Set-Up Procedures for InfoView WITH EXTERNAL CAMERA (Camcorder)

1. First, disconnect your phone cable from the wall phone connector, and connect it to the **PHONE** connector at the back of the InfoView. If your phone cable is not long enough, please use the phone cable provided for the connection. There are two phone cables with different lengths in your InfoView package.
2. Next, insert the second phone cable to the **LINE** connector at the back of InfoView, and connect the other end to the wall phone jack.
3. Plug in the provided color-coded Audio/Video cable to the respective **AUDIO/VIDEO-OUT** connectors at the back of InfoView. Connect the other ends of the cable to the **AUDIO/VIDEO-IN** connectors at the back of your TV. Please refer to the above drawing for detailed location of different connectors.

4. Plug in **AUDIO/VIDEO** cable that comes with your camcorder to the **AUDIO/VIDEO-IN** connectors of the InfoView and connect the other end to your Camcorder's **AUDIO/VIDEO-OUT** connectors.
5. Plug in the power adapter to the wall power socket. **▲ DO NOT** switch ON the power adapter at this point.
6. Connect the other end of your power adapter to the small power socket located at the back of InfoView, labeled **POWER DC 12V**.
7. You have successfully set up your InfoView.
8. Switch ON the power adapter and press the power switch **Ⓚ** at the front of your InfoView to power ON InfoView.

Step C: Visual Communication via InfoView

1. **Make sure step A or step B above is completed successfully.**
2. Turn **ON** the TV and set it in VIDEO mode. Call the other party as you normally would.
3. After the phone connection is established, you may choose to start your visual conversation at any point in time. Make sure the other party has also set up the unit properly. Press **Ⓜ** for on-screen menu.
4. Press **Ⓜ****1** on your phone's key pad to start video call. Either party may do so to start an **InfoView call**. If the remote party is not using InfoView, please try the **2** **Call** function or **3** **Answer** if you are making call to or receiving call from other H.324 compliant system

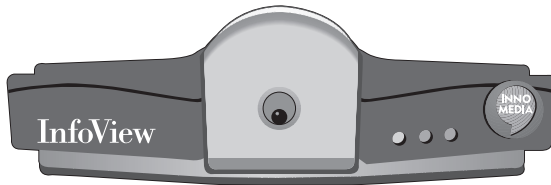


- ☞ For the InfoView with a built-in camera, you may adjust the camera to capture the desired view using the Pan, Tilt & Zoom features. For the InfoView using external camera (camcorder), you should adjust the camcorder accordingly to capture the desired view.

**You are ready for the visual communication.
Enjoy the new, enriching experience.**

Chapter 2 Introduction

InfoView - Extraordinary Visual Communication Through Ordinary TV



A Picture Is Worth A Thousand Words. Complete communication demands more than words, hence visual communication is a preferred communication method for the future, available to you now.

InnoMedia offers the InfoView, a TV-based video phone system that turns your TV into a Video Phone using your regular phone line. InfoView will optimize the usage of your phone line by transmitting both voice and video in one single line, hence you can talk to the other party and see him/her at the same time, **WITHOUT** incurring additional cost.

What does visual communication mean?

Visual communication allows better communication by combining both voice and images, and the end results will translate into tremendous benefits for the users.

a. Cost Reduction & Time Savings

When you can discuss and collaborate with your associates or your foreign suppliers via InfoView, you will save on unnecessary overseas trips. Therefore, you can reduce your operating costs as well as the time spent on traveling. Furthermore, you can keep in touch with your associates or counterparts better since you can have face-to-face discussion more often, even thousand of miles apart.

InfoView is a cost savings device which complements your day-to-day business operation.

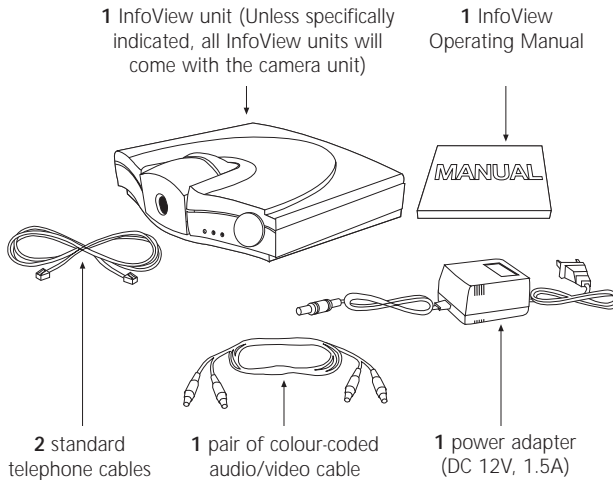
b. Relationship building

As friends and family move to other cities or countries, you can still keep the relationship intact by having close communication with them. By using InfoView, you can see your loved ones at anytime without hesitation since the images come free whenever you make a call to them. InfoView is a valuable gift which your friends and family will appreciate greatly.

Chapter 3 Knowing Your InfoView

3.1 InfoView Package Content List

Thank you for choosing the InfoView, we hope that it will bring you enriching visual communication. Your InfoView packaging includes the following items:



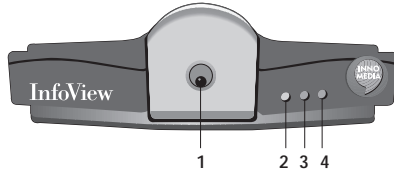
3.2 Features

Your InfoView comes with the following features which complement your visual communication:

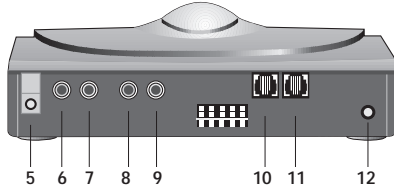
- a. High Quality TV Output
- b. Auto Answer
- c. Caller ID (Available when Caller ID service is subscribed)
- d. On-Screen Graphical Menu
- e. High Quality Digital Zoom Camera (Optional)
- f. Privacy mode with Password protection
- g. Customized modem settings
- h. Software Upgrade Capability
- i. Snap Shot, PowerSave ON/OFF
- j. External Camera Input for Camcorders
- k. Record on-screen session through your VCR
- m. Local & Remote Zoom, Pan and Tilt Features (Only limited to local & remote InfoView with built-in camera)

3.3 InfoView Layout

Front View:



Back View:

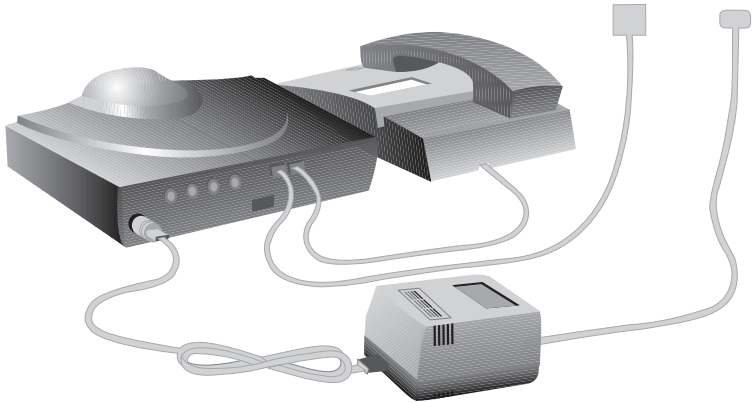


No.	Item	Description
1	Camera	A high quality auto-focus camera len is provided. InfoView also has a model that comes without built-in camera which caters to users with their own camcorders instead
2	Power Switch ⓘ	Pressing this button will turn InfoView ON Pressing the button again will turn InfoView OFF
3	Power LED [Green]	The LED will be green when the power adapter is switched ON. The LED will become brighter when the Infoview power switch is ON.
4	Status LED [Red]	LED will be red when InfoView is operational
5	DC Power Input Socket	DC 12 V 1.5A power input for InfoView
6	Video Out	An output connector for video / image signal
7	Audio Out	An output connector for audio / voice signal
8	Video In	An input connector for video / image signal
9	Audio In	An input connector for audio / voice signal
10	RJ 11 socket for Line	RJ 11 socket for connection to the wall phone jack
11	RJ 11 socket for Phone	RJ 11 socket for connect on to the phone unit.
12	Reset Button	Pressing the internal pin and the power switch simultaneously will reset the InfoView

Chapter 4 Installing Your InfoView

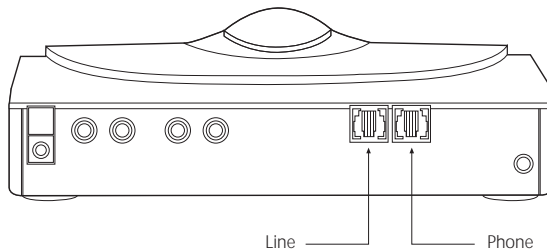
Hardware Installation

This section describes the hardware installation process for your InfoView.

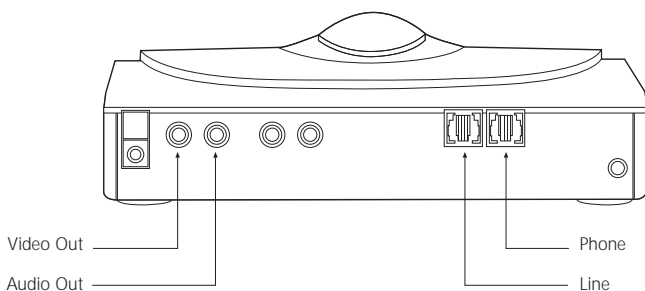


Installing InfoView

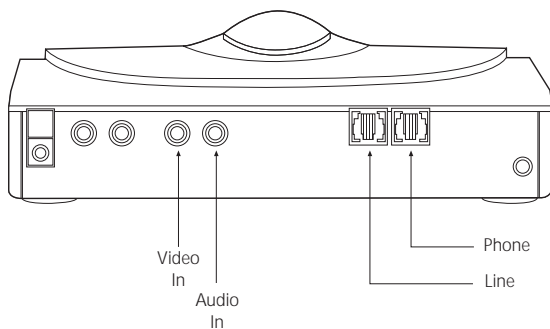
1. First, disconnect your phone cable from the wall RJ-11 phone jack. Connect it to the connector labeled **"PHONE"** at the back of your InfoView unit. If your phone line is not long enough, please use the phone cable provided for the connection.
2. Next, take out the second phone cable, connect one end to the wall RJ-11 phone jack, and the other end to the connector labeled **"LINE"** at the back of your InfoView unit.



3. **If** you have bought an InfoView unit with a built-in camera, connect one end of the color-coded Audio/Video cable to the **AUDIO/VIDEO OUT** connectors of your InfoView unit, and the other end to the **AUDIO/VIDEO IN** connectors at the back of your TV.



4. **(Optional)** If you plan to use your camcorder as the external camera instead, please connect an additional pair of Audio/Video cable to the **AUDIO/VIDEO-IN** connectors at the back of your InfoView unit, and the other end to your camcorder's **AUDIO/VIDEO-OUT** connectors.

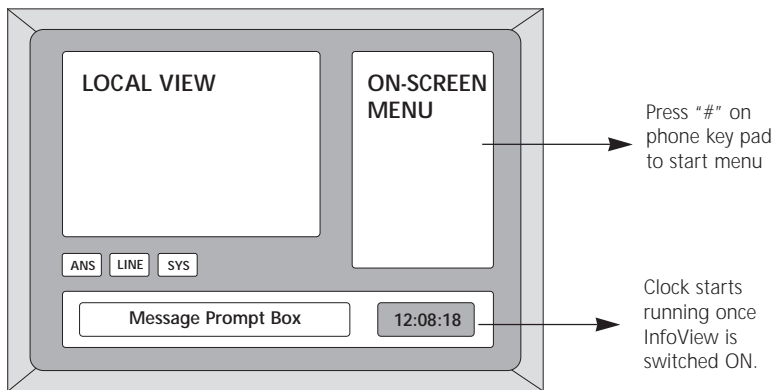


5. Connect your power adapter to your wall power socket, and connect the adapter's pin to the power socket labeled **POWER DC 12V** at the back of your InfoView. **▲ DO NOT** switch on the power adapter at this point.
6. Check all the connections mentioned above. If everything is connected correctly, you can switch **ON** the power adapter and press **⏻** on your InfoView to turn **ON** the unit.
7. You have successfully installed your InfoView.
8. A good location to place your InfoView unit is either on top of your TV or beside it.

Chapter 5 Learning the On-Screen Menu

I. InfoView On-Screen Menu

When you first switch on the TV and turn on the InfoView. You should see the following on your TV screen.



ANS If system is set to Auto Answer, **ANS** is in green color. Otherwise, it will remain as light brown.

LINE When you pick up the phone, **LINE** will turn green. Otherwise, it will remain light brown.

SYS When InfoView has system error, **SYS** will turn red. Otherwise, it will remain as green

You may control your InfoView using this menu prior to your video phone conversation, the menu **will change** once you have connected for your video phone conversation. Please refer to the table below for brief references on the On-Screen Menu **prior** to video phone conversation.

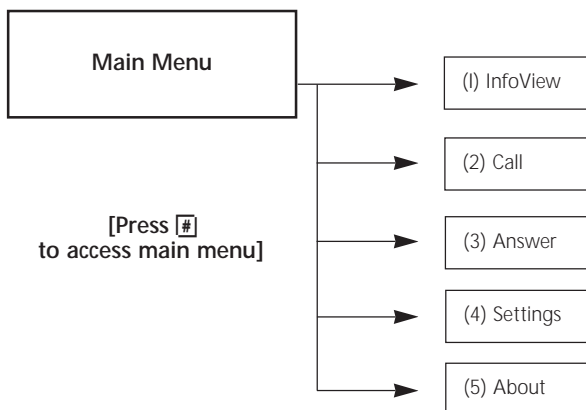
On Screen Menu	Sub-menu	Main function
	• Main Menu	To provide easy one-step video phone connection
	• Settings	To configure the InfoView according to usage preferences
	• Camera	To control the built-in camera
	• TV Screen	To specify the TV type
	• Security	To switch into privacy mode with higher security
	• System	To access features which concern the InfoView system
	• Modem	To fine-tune the modem for different country settings
	• Upgrade	To access the easy dial-up upgrade

5.1 Making & Receiving Video Call

InfoView works seamlessly with your current phone, you can have your voice conversation on the phone and activate the InfoView anytime at your convenience, provided the other party has a video phone system set up as well. We support the ITU-H..324 standard for video-conferencing. Therefore, InfoView allows you to specify the type of system you want to communicate with prior to your phone connection.



- ☞ **Press # to access the on-screen menu.** The menu will disappear into the background within a few seconds if you did not make any selection. When you press # again, the menu will reappear and it will be on the page when you last exited.
- ☞ If you subscribe to Caller ID service, you will see phone number of the incoming call on the TV screen through InfoView Caller ID capability.
- ☞ Your InfoView comes with an on-screen menu which have both text and numbers to help you configure the system to your preference.
- ☞ To use each of the function, simply press the number indicated on the screen that represents the individual function.
- ☞ Please turn on your TV and set it in video mode so that it can receive the incoming signal from InfoView.



To make a video call to remote InfoView

1. Turn on your TV and set it in the correct channel that receives external video input from InfoView.
2. Switch on InfoView and press **#** to access menu. Within seconds you should see your self-view and the on-screen menu on the TV. The Main Menu is located on your right.
3. Call the other party as you normally would.
4. After the remote party picks up the phone, press (1) to START a video call to a remote user with InfoView.
5. Please wait for connection.

To make a video call to similar H.324 video phone system

1. On the Main Menu, please press (2) to START a video call with another H.324 video phone system.
2. Please wait for connection.

To receive a video call from similar H.324 video phone system

1. On the Main Menu, please press (3) to ACCEPT the video call from another H.324 video phone system.
2. Please wait for connection.



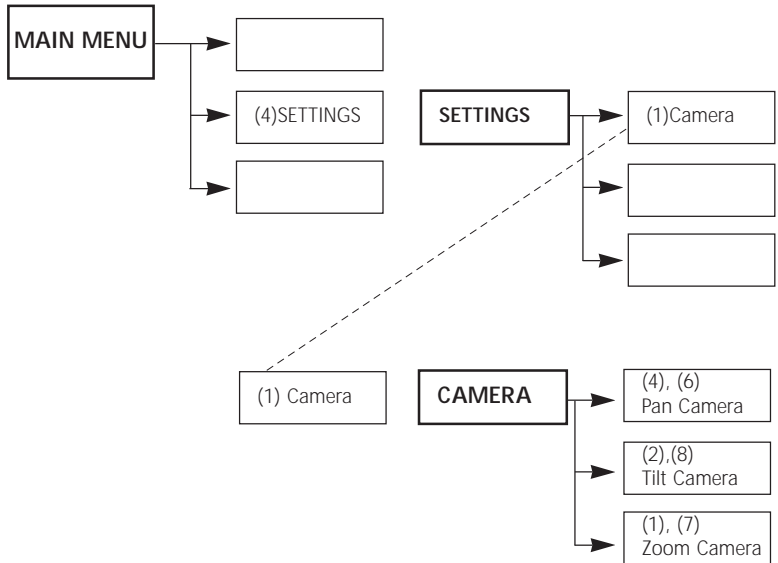
IF you happen to activate a video call accidentally, you may hang up the phone to cancel the function. Your InfoView will restart and go back to the original condition.

Tips

To check InfoView system information

1. On the Main Menu, press (5) to view the InfoView system information.
2. You will see InfoView's version number, modem information as well as the Privacy Mode password information on screen. **[IF** this is the first time you access this section, your password will be 0000, you may proceed to the Privacy Mode via Security Feature section for more information on password setting]

5.2 Specifying the Settings of your InfoView



Controlling the InfoView built-in camera

1. On the Main Menu, press (4) to access the Settings Menu.
2. Within the Settings Menu, press (1) to get into the Camera sub-menu.

To pan local camera

1. On the Settings Menu, press (1) to access the Camera sub-menu.
2. Press (4) to pan the camera LEFT
3. Press (6) to pan the camera RIGHT
4. Once you have chosen a preferred position, simply press (5) to exit.

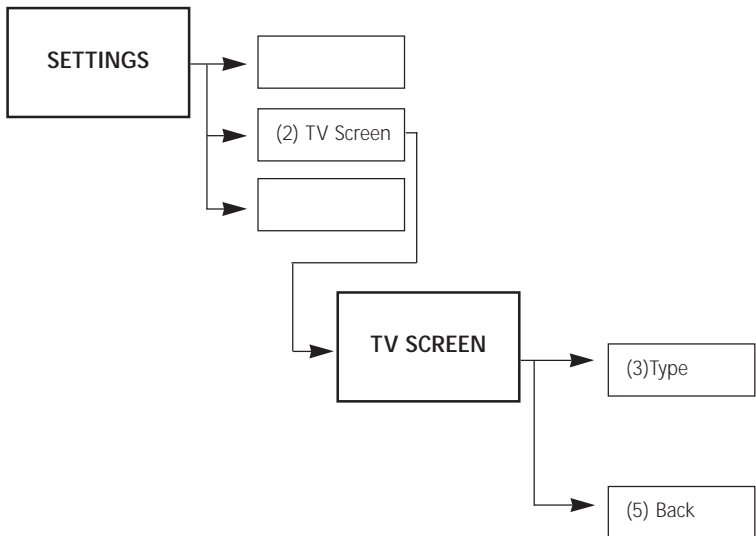
To tilt local camera

1. On the Settings Menu, press (1) to access the Camera sub-menu.
2. Press (2) to tilt the camera UPWARD
3. Press (8) to tilt the camera DOWNWARD
4. Once you have chosen a preferred position, simply press (5) to exit.

To zoom with the local camera

1. On the Settings Menu, press (1) to access the Camera sub-menu.
2. Press (1) to ZOOM IN
3. Press (7) to ZOOM OUT
4. Once you have chosen a preferred position, simply press (5) to exit.

Specifying the TV Type

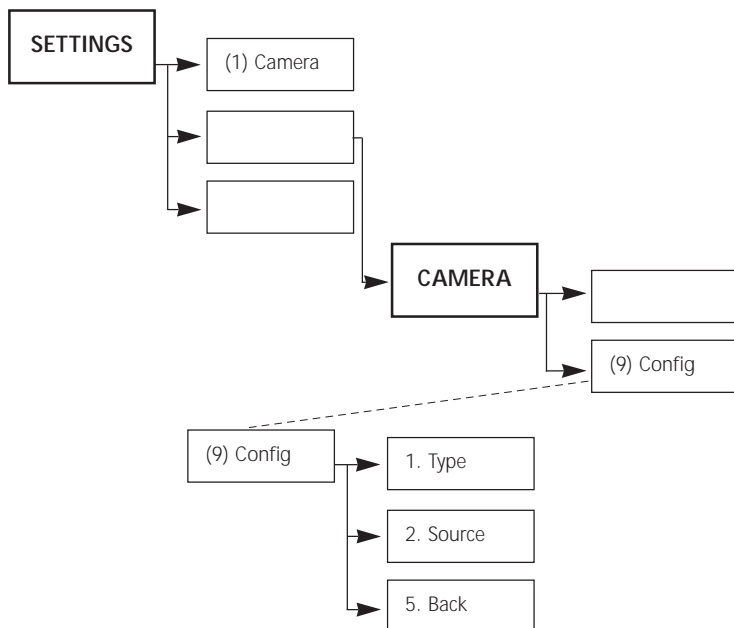


- InfoView can support both NTSC and PAL signal.
- Users need to specify the TV type for the InfoView system.

To specify TV Type

1. On the Settings Menu, press (2) to access the TV Screen sub-menu.
2. Press (3) on TYPE to toggle between NTSC and PAL.
 - **IF** your TV is NTSC, when you toggle and see NTSC on screen Press (5) to exit. You have made your selection.
 - **IF** your TV is PAL, when you toggle and see PAL on screen. Press (5) to exit. You have made your selection.
 - **IF** your TV is multi-system, press (5) to exit. You do not need to do anything.

Specifying the Camera Type

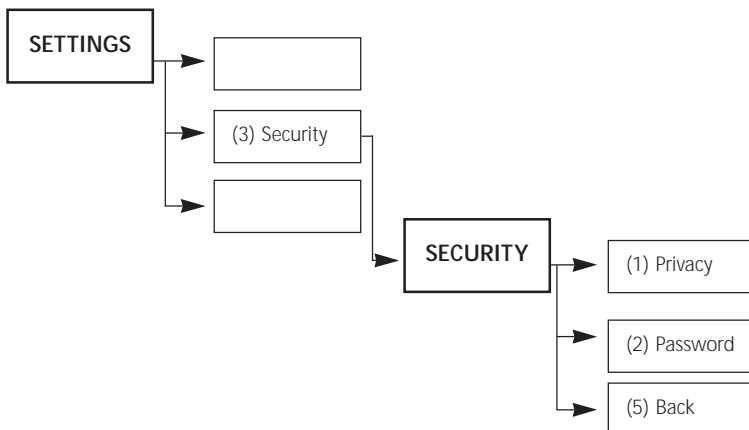


- Every InfoView will come with a built-in camera, unless specified otherwise.
- However, users can always connect an external camera (camcorder) to the **Audio/Video INPUT** jacks at the back of the InfoView. As a result, users can now use the external camera for viewing at their preferences.
- Once decided to switch to external camera, please update the camera type and source for the InfoView system.

To specify Camera Type

1. On the Settings Menu, press (1) to access the Camera sub-menu.
2. Press (9) on **CONFIG** to proceed to the camera submenu
 - To specify the camera type (NTCS/PAL), press (1) on **TYPE** and toggle for the correct camera type.
 - To specify the camera source (Internal built-in/External camcorder), press (2) on **SOURCE** and toggle for the correct camera source.
3. Upon completion, press (5) to exit.

Privacy Mode through InfoView Security Feature



- InfoView has built-in security feature which allows you to activate privacy mode so that the remote party will not be able to see you. The feature enables the capability of blocking the local pictures so that the remote party cannot view it.
- With the InfoView security feature, users can have their video phone conversation at their discretion with full control at their ends.

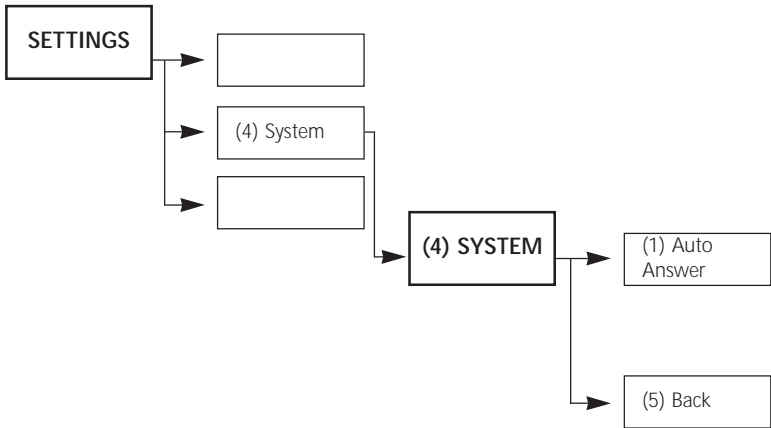
To provide password for Privacy Mode

1. Under the Settings Menu, press (3) to go to the Security sub-menu.
2. When you activate the privacy mode, remote party will need to enter a special password (preset by you) in order to regain the video mode.
3. Press (2) to set password
 - Key in the numeric password by typing the corresponding number on your phone key pad. For instance, if your password is 1234, simply press 1234 on your phone key pad.
 - Press (*) to reset the password if you want to key in new password.
 - Press (#) to exit the screen and get back to the previous screen.
4. Upon completion, press (5) to exit.

To activate Privacy Mode

1. Under the Settings Menu, press (3) to go to the Security sub-menu.
2. Press (1) to activate Privacy Mode.
3. You should see your Local View blackened off. Therefore, the remote side will not be able to see you as well.

Auto-Answer for Remote Call-in



- InfoView comes with the Auto-Answer feature which let users to set up a system at home or in the office whereby they can call in from any location.
- This feature will be extremely useful when you are on vacation. You can check on your home from time to time by calling back via InfoView. Similarly, Auto-Answer will be an effective monitoring system for the office as well.

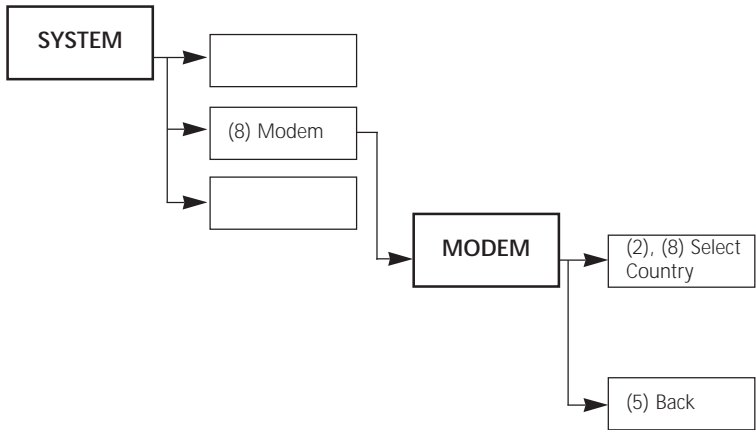
To activate Auto Answer Mode

1. Under the Settings Menu, press (4) to access the System sub-menu.
2. Press (1) to set up Auto Answer. When you continue to press (1), the system will toggle from AutoAnswer (X) OFF to Auto-Answer (✓) ON with number of rings (RNG) specified.
 - **IF** you want Auto-Answer which activated after three rings, please press (1) to toggle until you see Auto-Answer (✓) 3 RNGS. You have specified your choice.
 - **IF** do not want Auto-Answer, toggle and select the choice of Auto-Answer (X). The default setting for InfoView is Auto-Answer OFF.
3. Upon completion, press (5) to exit.

Configuring the System of your InfoView

- There are certain variables within your InfoView system that you can configure to optimize the overall usage. For instance, you may configure the modem based on country setting so that you can gain optimized modem performance under various phone networks in different country.
- For system configuration, you may adjust modem setting as well as power utilization of the system.

To set modem based on country setting

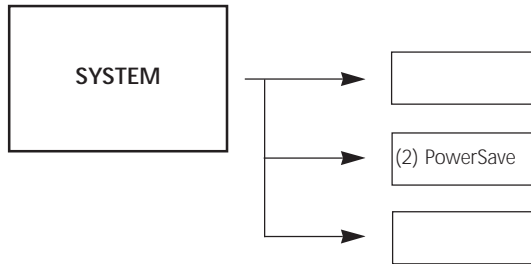


What is Modem Country Setting?

Modem manufacturers usually have flexibility built into the modem so that it can be fine-tuned accordingly when placed under different phone networks. Therefore, when adjusted to the corresponding country setting, the modem will perform according to the phone line specifications in that particular country or region.

1. Under the Settings Menu, press (4) to access the System sub-menu.
2. Press (8) to access the Modem sub-menu for country setting configuration.
3. You may use the (2) & (8) keys to scroll through the list of countries.
4. The country/region setting displayed on screen will be the chosen setting.
5. Upon completion, press (5) to exit.

To set InfoView in PowerSave mode

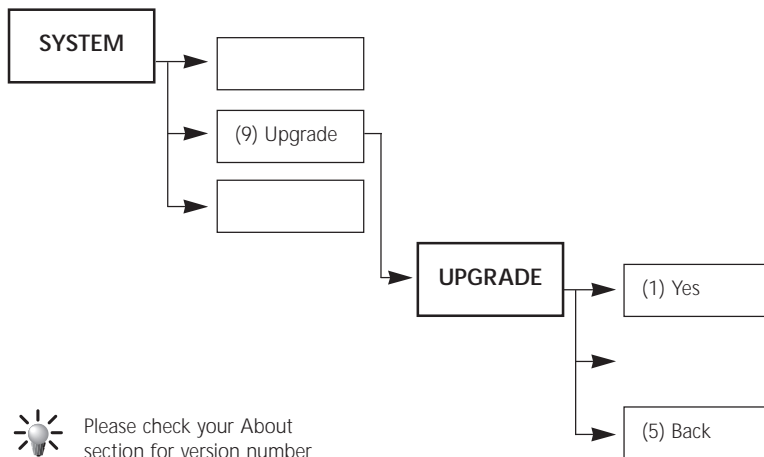


What is PowerSave mode ?

By choosing the PowerSave mode option, users can expect auto InfoView system shutdown, once the system is left idle for more than 10 minutes.

1. Under the Settings Menu, press (4) to access the System sub-menu.
2. Press (2) to activate PowerSave mode.
 - **IF** you want PowerSave ON, press (2) to toggle and have the PowerSave (✓) on screen.
 - **IF** you want PowerSave OFF, press (2) to toggle and have the PowerSave (X) on screen.
3. Upon completion, press (5) to exit.

5.3 Upgrading the InfoView for future version



Tips

Please check your About section for version number and information.

What is Software Upgrade ?

InfoView is software upgradeable where users can upgrade their InfoViews conveniently to the latest version through dial-up connection. Users simply call up the InnoMedia server phone number, follow the voice prompt and with a press of a button the upgrade process will be activated. When the process is completed, the InfoView will be running on a new software version where users can expect new features, fixes or performance improvement.

To upgrade InfoView for new version



Help

The upgrade server phone number in the United States is
+1- (408) - 434 - 0889

The upgrade server phone number in Singapore is
+65- 8723 - 655

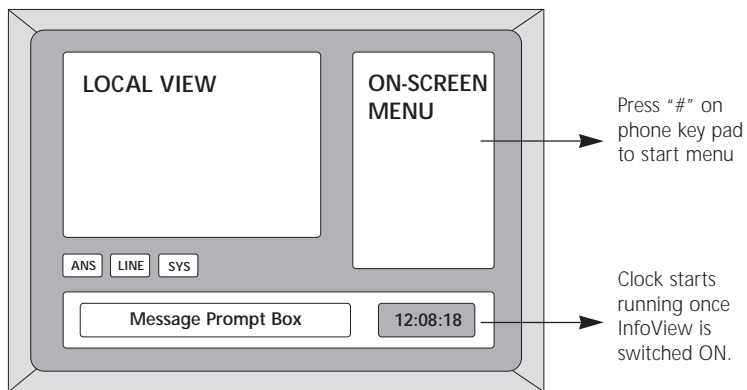
1. Dial the number closest to your location.
2. Your call will be auto-answered and a recorded voice will prompt you to "Press 1" on your phone keypad to continue.
3. The voice will advise you that the upgrade will begin in "10 seconds" and to put your InfoView into upgrade mode.
4. To put InfoView into upgrade mode:
 - a. Press "#" key to bring up the menus on the TV screen.
 - b. Press "4" for "Settings" menu.
 - c. Press "4" for "Systems" menu.
 - d. Press "9" for "Upgrade" menu.
 - e. Press "1" for "Yes".
5. The upgrade server will automatically begin to connect to your InfoView. This process will take between 30 and 60 seconds.
6. Once the connection has been made, on-screen prompting will appear to guide you through the process. Generally, it will take less than 5 minutes to go through this process and upgrade your InfoView with the latest software.

Please check InnoMedia website
([http:// www.innomedia.com](http://www.innomedia.com)) for latest upgrade information.

Innomedia Tech Support	U.S.	+1 (408) 4325 - 400
	Singapore	+(65) 8720 - 828
InnoMedia Upgrade Server	U.S.	+1 (408) 4340 - 889
	Singapore	+(65) 8723 - 655

II. InfoView On-Screen Menu

When you have connected with the remote video phone



ANS

If system is set to Auto Answer, **ANS** is in green color. Otherwise, it will remain as light brown.

LINE

When you pick up the phone, **LINE** will turn green. Otherwise, it will remain light brown.

SYS

When InfoView has system error, **SYS** will turn red. Otherwise, it will remain as green

After you have established the video phone connection, the on-screen menu **will change** slightly to provide different features which are useful during your video phone conversation. Please refer to the function table for brief references on the On-Screen Menu during video phone conversation.

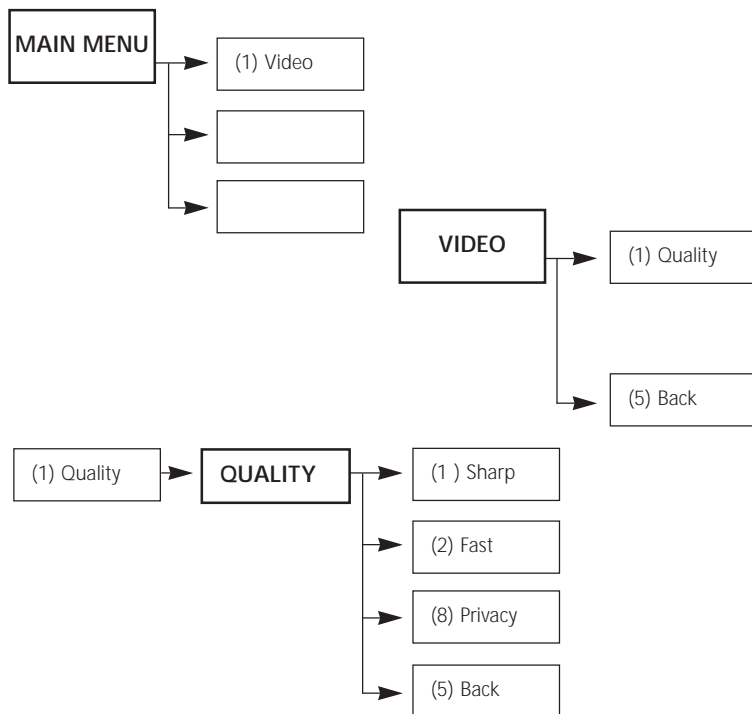
☞ Press # to access on-screen menu.

On Screen Menu	Sub-menu	Main function
	• Main Menu	To provide one-step video call management
	• Video	To configure video-related functions
	• Audio	To configure audio-related functions
	• Quality	To fine-tune on-screen video quality
	• Local Camera	To access functions that are related to the local built-in camera
	• Remote Camera	To access functions that are related to the remote InfoView's camera
	• TV Screen	To specify the on-screen picture size
	• Login	To login to the remote InfoView system

5.4 Fine-Tuning on Video Phone Conversation

What kind of features are there to fine-tune my video call ?

Users can adjust picture quality, activate privacy mode and capture high quality snapshot. These are the built-in features which complement the video call so that the phone conversation can be rich, multimedia and value added.



To adjust picture quality.

How do you define picture quality?

Picture quality can be fine-tuned based on two parameters: Picture Sharpness and Picture Smoothness. Under maximum sharpness, users can expect optimized clarity on the picture details; on the other hand, under maximum picture smoothness, fast motion is being captured and presented in the best possible manner. Overall, users may adjust the picture quality within these two parameters in order to achieve the best possible picture with the necessary sharpness and motion depiction.

IF you are talking to a remote party who moves frequently with a lively screen, you may consider higher picture smoothness in order to capture the motion better.

IF you need to see the remote party clearly, you may consider higher picture sharpness in order to preserve the details and clarity on the remote side.

1. When in Main Menu, press (1) on Video to access the Video sub-menu.
2. Press (1) on Quality to go further into the Quality sub-menu.
 - Press (1) to increase the picture sharpness accordingly. With every press of (1), the picture sharpness will increase by one level.
 - Press (2) to increase the picture smoothness accordingly. With every press of (2), the picture smoothness will increase by one-level.
3. Please note that as you increase the picture smoothness, the picture sharpness will be affected as well. Hence, it is important for you to choose a level whereby both the picture sharpness and smoothness are both up to your expectation.
4. Upon completion, press (5) to exit.

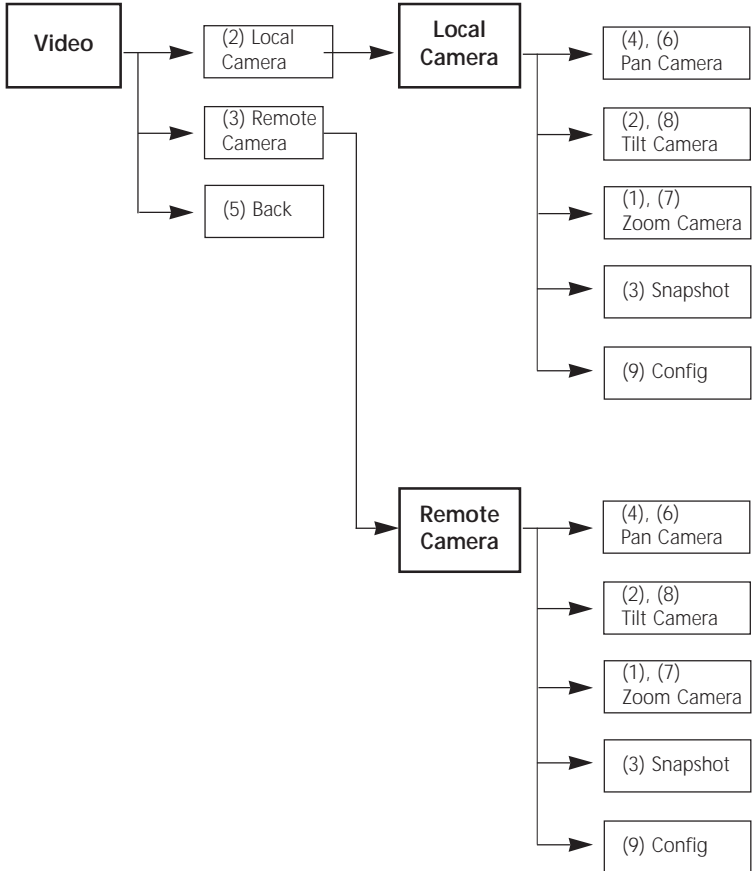
To activate Privacy Mode

If you activate the privacy mode, your picture will now be blocked and the remote party will not be able to see it on screen. At the same time, a new screen with InnoMedia logo and a message indicating privacy mode enabled will replace your local view.

1. When in Main Menu, press (1) on Video to access the Video sub-menu.
2. Press (1) on Quality to go in further to the Quality sub-menu.
3. Press (8) to activate Privacy Mode.
4. To revert back to normal mode, press (8) again to toggle to Privacy (X)
5. Upon completion, press (5) to exit.

5.5 Controlling the Local & Remote Cameras

IF you are having a video call with a remote party who is also a InfoView user, you will be able to control and maneuver the remote side's camera, all as part of the value-added features built into InfoView. Please take note that if your remote side is using an external camera (camcorder), you will not be able to control it since it is an external camera.



Controlling the **Local InfoView's** built-in camera

- On the Main Menu, press (1) to access the Video sub-menu.
- Within the Video Menu, press (2) to get into the Local Camera sub-menu.
- When adjusting the local camera, the local view will be shown on the big screen so that you can preview the changes better.

To pan local camera

1. On the Video Menu, press (2) to access the Local Camera sub-menu.
2. Press (4) to pan the camera LEFT
3. Press (6) to pan the camera RIGHT
4. Once you have chosen a preferred position, simply press (5) to exit.

To tilt local camera

1. On the Video Menu, press (2) to access the Local Camera sub-menu.
2. Press (2) to tilt the camera UPWARD
3. Press (8) to tilt the camera DOWNWARD
4. Once you have chosen a preferred position, simply press (5) to exit.

To zoom with the local camera

1. On the Video Menu, press (2) to access the Local Camera sub-menu.
2. Press (1) to ZOOM IN
3. Press (7) to ZOOM OUT
4. Once you have chosen a preferred position, simply press (5) to exit.

To get high quality local snap shot

InfoView has the Snap Shot feature which allows you to freeze the picture at high resolution, this will be useful if you need to present an object at high resolution at the local side.

1. When in Main Menu, press (1) on Video to access the Video sub-menu.
2. Press (2) on Local Camera to access the camera control option list.
3. Press (3) to get a snap shot on the remote view.
4. You may press on (3) to toggle between Snap Shot (✓) [pause] and Snap Shot (X) [normal mode].
5. Upon completion, press (5) to exit.

To configure the local camera quickly

1. At the LOCAL CAMERA sub-menu, press (9) to proceed to CONFIG
2. Press (1) to toggle between Camera Type (PAL or NTSC)
3. Press (2) to toggle between Camera Source [built-in camera or external camera (camcorder)]
4. Press (5) to exit and all changes will be saved

Controlling the **Remote InfoView's** built-in camera

- On the Main Menu, press (1) to access the Video sub-menu.
- Within the Video Menu, press (3) to get into the Remote Camera sub-menu.

To pan remote camera

1. On the Video Menu, press (3) to access the Remote Camera sub-menu.
2. Press (4) to pan the camera LEFT
3. Press (6) to pan the camera RIGHT
4. Once you have chosen a preferred position, simply press (5) to exit.

To tilt remote camera

1. On the Video Menu, press (3) to access the Remote Camera sub-menu.
2. Press (2) to tilt the camera UPWARD
3. Press (8) to tilt the camera DOWNWARD
4. Once you have chosen a preferred position, simply press (5) to exit.

To zoom with the remote camera

1. On the Video Menu, press (3) to access the Remote Camera sub-menu.
2. Press (1) to ZOOM IN
3. Press (7) to ZOOM OUT
4. Once you have chosen a preferred position, simply press (5) to exit.

To get high quality remote snap shot

InfoView has the Snap Shot feature which allows you to freeze the picture at high resolution, this will be useful if you need to look at an object or a picture presented by your remote party.

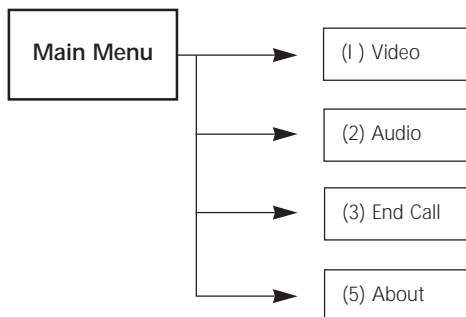
1. When in Main Menu, press (1) on Video to access the Video sub-menu.
2. Press (3) on Remote Camera to access the camera control option list.
3. Press (3) to get a snap shot on the remote view.
4. You may press on (3) to toggle between Snap Shot (✓) [pause] and Snap Shot (✱) [normal mode].
5. Upon completion, press (5) to exit.

To configure the remote camera quickly

1. At the REMOTE CAMERA sub-menu, press (9) to proceed to CONFIG
2. Press (1) to toggle between Camera Type (PAL or NTSC)
3. Press (2) to toggle between Camera Source [built-in camera or external camera (camcorder)]
4. Press (5) to exit and all changes will be saved

5.6 Additional Features For Video Call

InfoView comes with other features which facilitates the video phone conversation. For instance, users may increase the remote-view size so that they can get a bigger picture on screen. Besides that, users can switch the source of camera during video call and use an external camera (camcorder) to show another view. The ability to toggle in between sources of video provides greater flexibility in the video call.



To end video call

1. On the Main Menu, simply press (3) to hang up once the video phone conversation is completed.
2. Either side may press (3) to hang up the call.

To check InfoView system information

3. On the Main Menu, press (5) to view the InfoView system information.
4. You will see InfoView's version number, modem information as well as the Privacy Mode password information on screen.

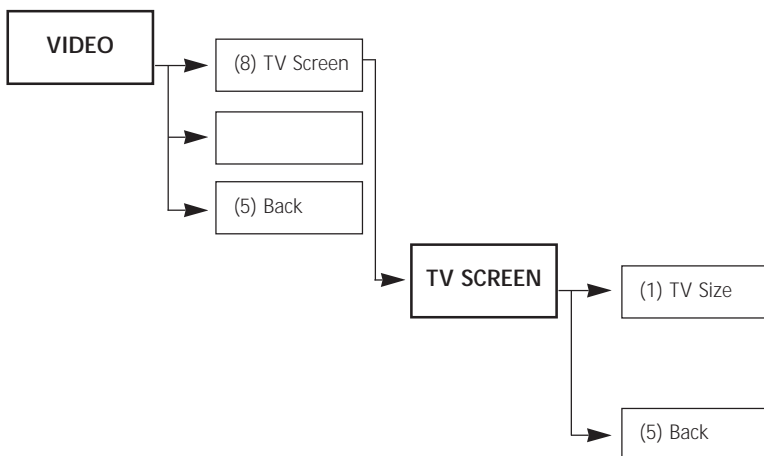
To record your video call

Version 1.30 allows an InfoView caller with a VCR to record the audio and the video on both ends of a videophone call. This complete multimedia recording capability allows users to document videoconferences and replay them at a later time. For business, educational, legal, medical or personal applications, this feature is useful to provide a permanent record of the event or to share the videoconference with others that cannot be present.

Once the video connection is established, proceed to AUDIO section under the Main Menu

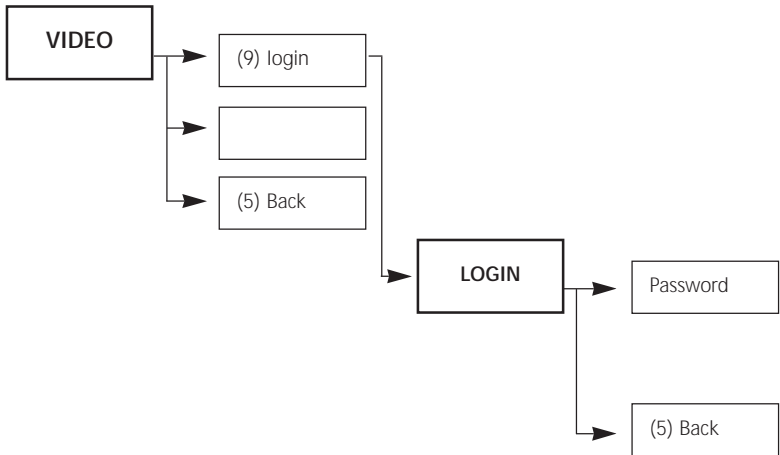
1. Press (1) to toggle from NORMAL to RECORD mode
2. Under RECORD mode, users will hear their own voice amplified through the TV speakers
3. Press the VCR's record button and the videophone call will be recorded
4. User may exit menu by pressing (5)

Note: Once the recording session is over, please switch OFF the VCR's record mode and toggle the AUDIO mode back to NORMAL.



To increase / decrease the size of the remote view

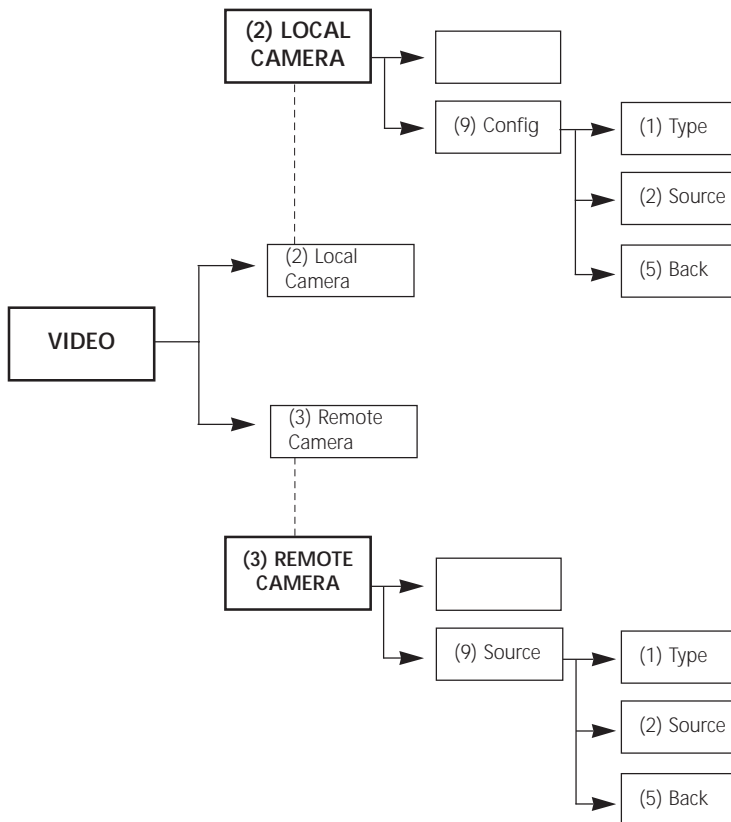
1. On the Main Menu, press (1) to go to the Video sub-menu.
2. Press (8) on Video Menu to access the TV Screen sub-menu.
3. To change the size of the remote view, press (1) on the Size option.
4. There are only two sizes to choose from, the default size is the smaller screen that you see on your system. A larger size will cover the full TV screen
5. To revert back to normal mode from full screen, please press (5)
6. Upon completion, press (5) to exit.



To Login to Remote InfoView

1. This feature enables you to login to the remote InfoView **even** if the remote user has switched to Privacy Mode.
2. Press (9) on Video Menu to go to the Login sub-menu.
3. Once in the Login Menu, please key in the 4-digit password to access the remote system.
4. Proper procedures to key in the password:
 - Key in the numeric password by typing on the corresponding number on phone key pad. For instance, if your password is 1234, simply press 1234 your phone key pad.
 - The four digits will continue to scroll on screen as long as you continue to enter the numeric character
 - Once you have completed entering the password, press (*) to send
 - Press (#) to exit
5. **IF** the password is correct, within seconds you should be able to see the remote view.
6. **IF** the password is invalid, you will not be able to see anything and no confirmation will be given to ensure that unauthorized user will not be given any clue.
7. Upon completion, press (5) to exit.

[Note: Every InfoView will have the password information stored in the About section under the Main Menu]



To toggle between Internal / External camera source **[On the Local InfoView]**

1. On the Video Menu, press (2) to access the Local Camera sub-menu
2. Press (9) on **CONFIG** to access the configuration sub-menu.
3. To specify the camera type (NTSC/PAL), press (1) on **TYPE** and toggle for the correct camera type.
4. To specify the camera source (Internal built-in/external camcorder), press (2) on **SOURCE** and toggle for the correct camera source.
5. Upon completion, press (5) to exit.

Chapter 6 Making Your TV-Phone Call via InfoView

Before you make your video call, you need to have *two* things ready:

- a. You have installed the InfoView as shown in Quick Start, Chapter 1 and configure your unit based on the settings in Chapter 5.
- b. The party you plan to call has an InfoView or a H.324 compliant video conferencing system ready to accept call.

If you have met these two pre-requisites, you are ready to place your call.

Making TV-Call

1. **Switch ON** your InfoView and your TV Please set the TV in the video mode.
2. **Call** the other party as you normally would.
3.
 - a. **If** the other party is using InfoView, **either** party may press **#** to get to the menu, following by **1** to initiate InfoView connection.
 - b. **If** the remote party is using other H.324 video-conferencing system, press **#** to get to the menu, followed by pressing **2** to place Video Call and to initiate a connection.
 - c. **If** you are the receiving party, press **#** to get to the menu, followed by **3** to get to Video Answer and to accept the incoming call. Please make sure the other party also activates his/her system to make video call.
4. Please **wait** a while for the video connection to be established.
5. **Enjoy** your video call.

[Note]: Please refer to chapter 5 for more information on customizing your InfoView.

Chapter 7 Applications & Benefits of InfoView

1. Applications for Home

InfoView is a value-added appliance which works with your TV and phone to bring you the benefits of video call, a form of communication for the future available to you now.

- a. Friends & Family: Away but closely in touch
With friends & family members who are staying apart, you can still have face-to-face conversation as though you were there.
- b. The Next Best Option: When being there matters. For those special occasions that matter most to you and your loved ones: Birthdays, anniversaries, family gathering, etc., it would be best to be there personally. But if you cannot, InfoView is the next best option. You can share the happiness and the rest of the people can feel your presence too.
- c. User-friendly home monitoring system
You can set up one unit of InfoView in your living room, garage or children's room and monitor it from a remote location by just dialing in, all you need to do is to leave the unit **ON** and set it in Auto-Answer mode. Now, you can sing a lullaby to your baby even when you are away, or you can call back to monitor your home while the family is away for vacation.
- d. Long Distance & Overseas Communication
A great way to stay in touch is to have frequent phone conversations. Since you are going to make the call, why not make it a video call instead of audio only; and most importantly, this does not add any additional cost to your phone call.
- e. Using multiple cameras
The InfoView unit supports Internal and External cameras. By switching between the two, you can have an added capability of presenting two separate video images to the person you are communicating with. For example, if the internal camera is pointing at you, while the external camera is connected to a camera that is pointing at another scene, you can toggle between the two and have a great time showing your friends at the other end different views within your house.
- f. User-friendly communication for handicapped users
InfoView can be a helpful medium for deaf/mute users to keep closely in touch with each others, where sign language can be seen on screen in order to facilitate the communication.

2. Applications for Business

When visual communication would accelerate and complement business interaction, InfoView enables you to meet this objective cost effectively.

- a. Reduce unnecessary business trips, reduce operating costs
Visual communication may not be able to replace a cordial handshake, but when there are products to be shown or directions to be given on a prototype, you can use the InfoView effectively to do just that without even flying there yourself. This will reduce your operating cost and time, mutually benefitting your clients and yourself.
- b. Monitoring Application
The monitoring concept can be used in a single location or expanded to include multiple sites. If you place several units of InfoView at strategic locations within your factory site, you can dial in and get a view of each location. Subsequently, by dialing another number you can view another part of the factory. This provides a simple yet effective means to monitor several locations from one single point.
- c. Recording the video communication session
The video communication sessions may be recorded on a regular VCR. This is useful for business InfoView communication sessions or other situations when you cannot make it for that particular meeting and someone can record the session for you.

Chapter 8 Technical Specifications

SYSTEM

ITU Recommendation Compliant	H.324
Channel Multiplexer	H.223
H.245 Protocol Control	H.245

VIDEO

ITU-T Recommendation Compliant H.263

Resolution

CIF	352 x 288 pixels
QCIF	176 x 144 pixels

Features

- Advanced Motion Estimation
- High Quality Pre and Post Filtering
- Frame Rate (max.) 10 fps

Video In

- RCA Video In
- Format PAL/NTSC

Video Out

- RCA Video Out
- Format PAL/NTSC

AUDIO

- ITU Recommendation Compliant G.723.1
- High Quality Acoustic Echo Cancellor
- Audio Out (RCA) to TV
- Audio Out through Phone Handset

MODEM

V.34 33600 bps
RJ 11 Phone In
RJ11 Phone Line Out
POTS (Regular telephone service)

POWER SUPPLY

AC Adapter	230V, 120V
Operating Voltage	12 Volts DC
Power Consumption	12 Volts x 1.5 Amps
Operating Frequency (AC Adapter)	50 Hz, 60 Hz
UL CSA Listed (US, Canada)	
TUV (Germany, Europe)	

FEATURES

- a. High Quality TV Output
- b. Auto Answer
- c. Caller ID (Available when Caller ID service is subscribed)
- d. On-Screen Graphical Menu
- e. High Quality Digital Zoom Camera (Optional)
- f. Privacy mode with Password protection
- g. Customized modem settings
- h. Software Upgrade Capability
- i. Snap Shot, PowerSave ON/OFF
- j. External Camera Input for Camcorders
- k. Record on-screen session through your VCR
- m. Local & Remote Zoom, Pan and Tilt Features
(Only limited to local & remote InfoView with built-in camera)

APPROVAL

FCC Class B, Part 68
FCC Part 15 (DOC)
TAS
CTR 21
CE

Chapter 9 Troubleshooting and Usage Page

Symptom Solution

During InfoView Set-Up:

- My phone jack is located very far away from my TV.
- We have provided two phone cables for you to set up InfoView effectively. You can use the 8 meters (24 feet) phone cable to connect your InfoView to your phone jack, and the 5 meters (15 feet) phone cable to connect your phone to the InfoView. If the cable is not long enough, please purchase a longer phone cable.
- Can I use a cordless phone so that I don't have to use a long cable ?
- Yes, InfoView will work fine with most cordless phones. As long as the phone can send out a clear signal to activate InfoView for different functions, both will work fine.

During InfoView Connection:

- I pressed the key but it did not activate the on-screen menu, what should I do?
- You need to use a touch-tone phone together with your InfoView. Most phone today allow you to switch between the TONE and PULSE mode, please check your phone and make sure it is set to the TONE mode.
- I turned ON the InfoView set, but I did not see anything on my TV screen, what should I do?
- Did you set your TV into video receiving mode? Video receiving mode is the same mode your TV is in when you are watching video via VCR. Please switch your TV to the video mode, and you should be able to see your self-view screen on the TV. Please check your connection to make sure the cables are connected correctly as shown in Chapter 4.

- ❑ I did set my TV into video receiving mode, but I still did not see anything, what else can I do?
- There is a possibility that the Video-Out Format for your InfoView is set to a different format (NTSC or PAL). If your InfoView is set with the wrong format, the picture will be unstable and the picture aspect ratio is different as well. Please go to the *Settings* section to check the *TV Screen* Option and make sure that it is set to your current TV viewing format. For instance, in North America & Japan, the TV format is NTSC, while in most parts of Asia & Europe, the TV format is PAL.

Please note that the SECAM format is currently not supported.

- ❑ I activated a connection with my remote party, but after a few minutes I am still in the CONNECTING mode, how do I deal with an unsuccessful connection?
- You may hang up the phone and press the **⓪** switch once to turn off your InfoView then press the switch again to turn on your InfoView unit. Please call again and start another connection. Please check your phone line condition through your phone by placing a call.

During my Video Call:

- ❑ How do I improve the image quality?
- You may increase the image quality by adjusting the quality level under the *Quality Option* in the on-screen menu, based on picture smoothness. Your regular phone line has a bandwidth constraint where there is a limit on the amount of data that can be transmitted, and too much on-screen movement will cause inconsistent quality. If the other party can move less often, you will see significant improvement in the picture quality. Having the Video Call in a well lighted place will improve picture quality as well.
- ❑ During my video phone session, my connection was terminated unexpectedly.
- In cases where your InfoView cannot obtain a reasonable bandwidth from your phone line, the video communication will be dropped. If the phone line cannot provide a communication speed over 14.4 Kbps or higher speed (Transmission speed is indicated under the *About* submenu, your video phone session will be affected; however, your phone conversation should not be affected).
- ❑ Can I have a much larger remote-view screen on my TV so that I can see the other party better?
- Yes, you can change the default quarter-screen size to a full screen size Please press **Ⓜ** to get to your on-screen menu, you need to go to the *TV Size* option under the TV-Screen section, and change the screen size from quarter screen to full-screen.

- ❑ How do I operate my *Zoom* option ?
 - Your *Zoom* option under the Local or Remote Camera sub-menu enables you to **ZOOM** the camera in or out from a particular scene. Please refer to the instructions under section 5.5 in Chapter 5.

- ❑ How do I operate my Tilt option ?
 - Your Tilt option under the Local or Remote Camera menu enables you to **TILT** the camera up or down from a particular scene. Please refer to the instructions under section 5.5 in Chapter 5.

- ❑ How do I operate my *Pan* option ?
 - Your Pan option under the Local or Remote Camera menu enable you to **PAN** Right or *Pan* Left from a particular scene. Please refer to the instructions under the section 5.5 in Chapter 5.

- ❑ What is the benefit of the *Snap Shot* option ?
 - The *Snap Shot* option lets you take a high quality picture snapshot when the camera captures the single image at the best possible resolution. For instance, you may use it to take a good picture snapshot of a new product which you want to show it to the customer.

- ❑ What is the main function of the Auto Answer option ?
 - The *Auto Answer* function allows your unit to accept incoming video call automatically. However, you must first enable your InfoView by setting the *Auto Answer* to ON and specify how many ring must it go through before being activated.

- ❑ What is Modem Country Setting ?
 - Country Setting allows users to select country/region setting which best fits the phone line condition in their countries. For the current version, we will use the U.S. Setting as the default since it is the most commonly used setting. Subsequently, a wider selection of country settings will be made available through future software upgrades.

Tips in Setting Up & Using InfoView



Tips

Good Lighting

You can get the most out of InfoView by making a small effort to “stage” your video calls. The most important thing you can do is set up InfoView in a well-lit room. People often are unaware or forget how important lighting is in TV and movie studios. The same requirements apply to video-calling.

Here are a few other tips:

- The lighting should come from behind the camera and shine on the subject’s face.
- Avoid back-lighting by closing blinds and drapes on bright windows behind the subject.
- Try to limit movement in the background and foreground.

Note: *InfoView users should sit closer to the TV and camera than they normally would, perhaps only several feet away, so that only their head and shoulders can be seen.*



Tips

Adjust the Video Quality to Meet Your Needs

InfoView video quality is adjustable. You can make the images you received clearer or more fluid using the on-screen menu and toggling between settings using the phone keypad. InfoView is pre-set in the middle of its quality range to render clear images that, however, may not be synchronized with the audio. Depending on your preference, you may wish to make the frame speed faster so that the video is more “in sync” with the audio or you may wish to slow the video down to create a slide show effect with very clear images.

Note: *InfoView cannot provide TV-quality images but will greatly enhance your telecommunications experience. The reason for quality less than that of standard TV or video is due to bandwidth limitations of the analog phone line. The picture has to be compressed, sent, and decompressed through a line designed for voice signals only. Some companies may offer products with better quality video, but their products require special phone lines and expensive equipment on both ends of the call. InfoView is a personal videophone designed as a consumer product with excellent video quality for its price. There’s no question that InfoView greatly enhances the experience of long distance communication experiences with loved-ones, friends, and associates.*

Chapter 10 Important Safety Instructions

Please follow the basic safety instructions below when using InfoView or any other electronic equipment. This will reduce, if not eliminate the risk of electric shock, fire or injury. Please read this section thoroughly before proceeding in your installation of InfoView.

1. **▲ DO NOT** place this product near water to prevent electric shock.
2. Open areas on the InfoView are meant for ventilation to prevent overheating. **▲ DO NOT** seal off InfoView tightly or place it in a condition which might block proper ventilation. **▲ DO NOT** place InfoView near equipment which generates heat, for example: radiator.
3. Please ensure that the InfoView unit is securely placed, so that it will not fall accidentally, which may affect the performance of the unit.
4. When connecting the InfoView unit with power cords, place the power cord in a visible area so that no one will trip over it. **▲ DO NOT** place anything on top of the power cord.
5. **▲ DO NOT** place flammable materials like lighter fluid, etc. on the product.
6. Switch off the power and unplug the InfoView unit from the wall phone jack when you want to clean the unit. You may use a lightly damp, soft cleaning cloth to clean surfaces on InfoView. **▲ DO NOT** use liquid cleaner or aerosol cleaner for cleaning.
7. **▲ DO NOT** overload the wall power circuit by connecting too many items to it. This may increase the risk of fire or electric shock due to overloading.

When you encounter a problem using the InfoView, please contact your authorized dealer or call the technical support number indicated in your product warranty card.

▲ DO NOT open up the unit for inspection because this will void your warranty.

Chapter 11 Maintenance & Care

1. To maintain the optimum performance of this TV-Phone, regular maintenance is required. Your dealer will have updated information to advise you further.
2. You **▲ DO NOT** have to open up the InfoView unit for maintenance. Your InfoView unit should be closed at any given times.
3. InfoView unit surface cleaning

Dust accumulated on the InfoView surface over time may cause unnecessary dirt infiltration into the inner part of the InfoView unit. You can use a dry cloth to clean any dusty surface from time to time so that dust will not accumulate and cleanliness can be maintained.

☞ Please **▲ DO NOT** use water or detergent to clean the surface.

If you decide to spray dust-repellent spray onto your InfoView unit, please read through the back label of the spray carefully and understand all the possible negative side-effects before proceeding to spraying it onto your InfoView unit. We advise you to have periodic cleaning instead of spraying since this is the natural as well as safest method.

4. If you have problem removing the dirt, please perform the cleaning operation several times and assert more force.
5. If dirt still cannot be removed, please consult your dealer for further action.

Chapter 12 FCC Registration Information

Your InfoView unit is registered with the U S Federal Communication on Commission (FCC) and is in compliance with parts 15 and 68 of the FCC Rules and Regulations. Based on FCC regulation, we need to provide you the following information:

1. Notification to your local telephone company. The InfoView unit contains a 33.6 Kbps modem. You must, upon request provide the following information your local phone company. (this information is also printed on the bottom of your unit):
 - FCC Part 68 Registration Number : 6BGSNG-32290-DT-E
 - Ringer Equivalence Number (REN) : 08B

The REN is useful to determine the number of devices you may connect to your telephone line and still have all of these devices ring when your telephone number is called. In most (but not all) areas, the sum of the RENs of all devices connected to one line should not exceed 5. To be certain of the number of devices connected to your line as determined by the REN, you should contact your local telephone company.

- (a) This equipment may not be used on coin service provided deaf by the telephone company.
 - (b) Party lines are subject to state tariffs, and therefore, you may not be able to use your own telephone equipment if you are on party line. Check with your local telephone company.
 - (c) Notice must be given to the telephone company upon permanent disconnection of your telephone from your line.
2. Rights of the Telephone Company Should your equipment cause trouble on your line which may harm the telephone network, the telephone company shall, if possible, notify you that temporary discontinuation of service may be required. If advance notice is not practical, the telephone company may temporary discontinue service immediately. In such case of temporary discontinuance, the telephone company must:
 - (1) promptly notify you of such temporary discontinuance,
 - (2) afford you the opportunity to correct the situation, and
 - (3) inform you of your right to bring a complaint to the Commission pursuant to the procedures set forth in Subpart E of Part 68, FCC Rules and Regulations.

The telephone company may make changes in its communications facilities, equipment, operations or procedures where such action is required in the operation of its business and not consistent with FCC Rules and Regulations.

If these changes are expected to affect the use or performance of your telephone, the telephone company must give you adequate notice, in writing, to allow you to maintain uninterrupted service

Interference Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interferences in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, the user is encouraged to try one or more of the following measures:

1. Reorient or relocate the receiving antenna
2. Reorient or relocate and increase the separation between the unit and the receiving antenna
3. Connect the unit to a power out at on a different circuit from that which the receiving antenna is connected
4. Consult the dealer or an experienced radio/television technician for additional Suggestions

The user may find the following booklet, prepared by the FCC, helpful: "How to Identify and Resolve Radio/TV Interference Problems " This book is available from the U S Government Printing Office, Washington, D.C 20402. Please specify stock number 004-003-00345-4 when ordering copies.

The Party Responsible For Product Compliance

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