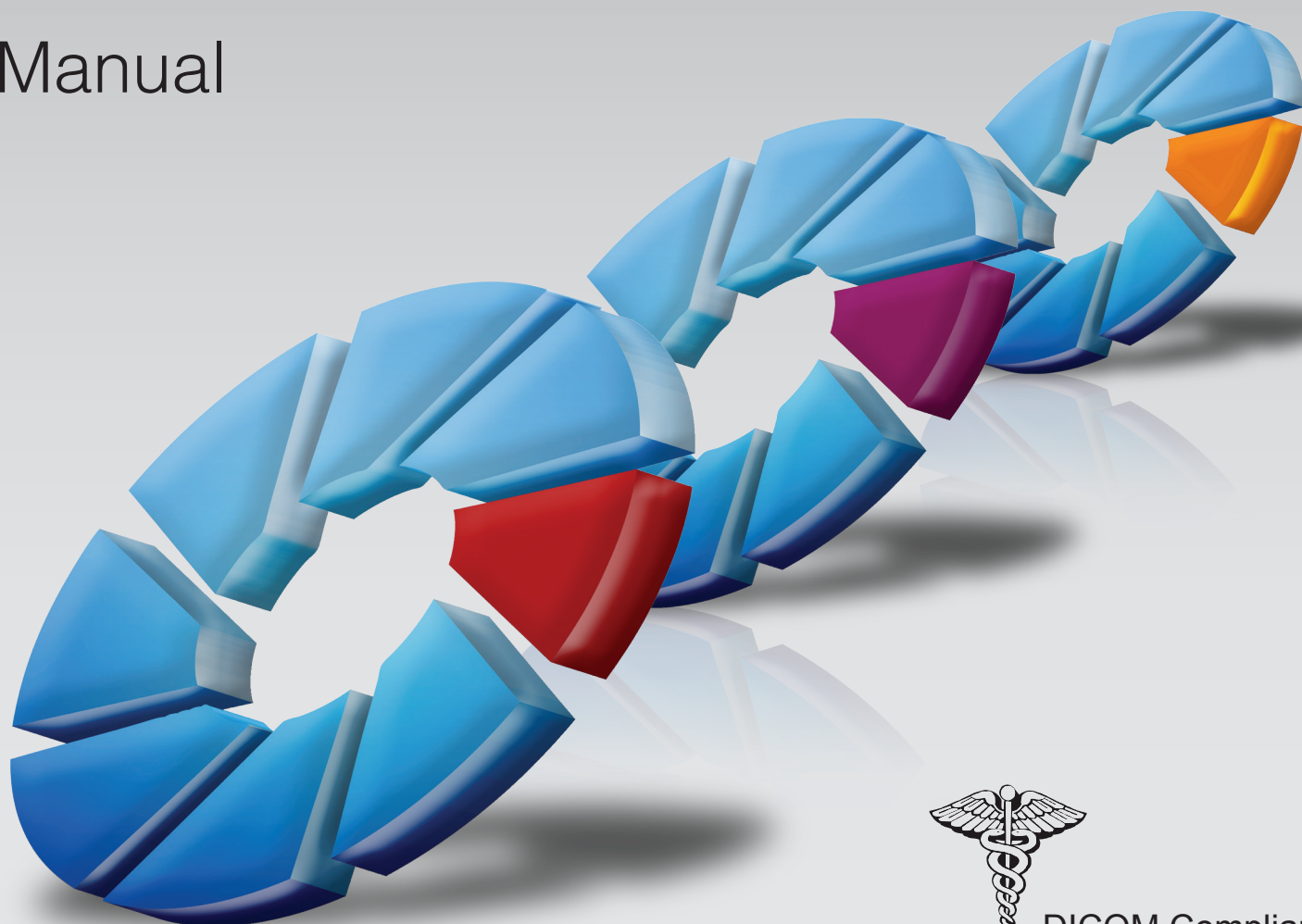




CapSure® Vista 1.9

Manual



DICOM Compliant

Contents	Page
About GlobalMed _____	1
Thank You Letter _____	2
About CapSure®Vista _____	3
Technical Overview of DICOM and CapSure®Vista _____	4
Registration, Upgrades and Support _____	5
What does CapSure®Vista 1.9 do? _____	6
System Requirements _____	7
Installing CapSure®Vista _____	8
The Session Window _____	9
Preferences and Video Controls _____	10
DICOM PACS Configuration _____	12
Welch Allyn® Vital Signs Window _____	13
Patient/Study Search _____	14
Managing Images _____	15
Main Control Menus _____	17
Frequently Asked Questions (FAQs) _____	22
Software License Agreement _____	26
Contacting GlobalMed _____	27
Warranty Information _____	28

About GlobalMed

Scottsdale, Arizona-based GlobalMed, designs, manufactures and markets telemedicine solutions and medical image automation systems that provide superior image quality, unmatched versatility, and unsurpassed simplicity for the healthcare industry. GlobalMed's camera, image management, store and forward, video conferencing and video-streaming technologies enable multiple specialists and other caregivers to be more effective in providing patient care, and more productive and efficient in managing patient information.

Products include the TotalExam™ Camera, the most versatile and easy-to-use exam camera on the market, CapSure®Vista store-and-forward imaging and image management software with DICOM output, which provides automated workflow capabilities for seamless integration into a provider's network, and fully integrated mobile video cart systems for primary care applications.

For more information, visit <http://www.GlobalMed.com> or call +1.800.886.3692



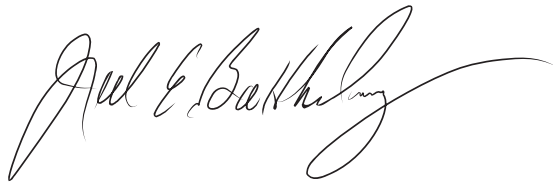
Dear Valued Customer,

GlobalMed sincerely appreciates your investment and the opportunity to service your telemedicine needs. We are committed to providing the very best products and support in the telemedicine industry.

Your feedback is important to our continued success and we welcome your suggestions, comments and concerns. GlobalMed offices are open Monday through Friday from 8 a.m. to 5 p.m. (Arizona time). To reach Sales, Technical Support or Customer Service please call our toll free number at 1.800.886.3692. We can also be contacted via email at salesteam@globalmed.com.

We look forward to our continued partnership for years to come. Thank you for your business.

Sincerely,

A handwritten signature in black ink that reads "Joel E. Barthelmy". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Joel E. Barthelmy
Managing Director

About CapSure®Vista

CapSure®Vista is a store and forward, and collaboration software designed specifically for the medical professional. Capturing and sharing medical images could be a time-consuming task, but CapSure®Vista simplifies the process of acquiring, sharing, storing and forwarding medical images. In addition, it reduces operator's time and data entry errors by receiving details of the patient electronically via a modality worklist query. The modality worklist query reduces orphan studies by associating images with the proper patient. Whether your need is to store and forward or share images in real-time, CapSure®Vista provides the flexibility to conduct synchronous or asynchronous teleconsultation.

CapSure®Vista allows users to annotate, and measure on the images while facilitating a HIPAA compliance environment. It protects patient privacy by automatically removing data and images from the originating computer at the end of a patient session, and forwarding images into a DICOM PACS server. Being a DICOM-compliant software, CapSure®Vista connects easily to CONi™ cloud-based services or other third-party DICOM PACS servers.

Indication for Use

CapSure®Vista is intended for use by trained professionals (physicians, clinicians and technicians) and receives digital images from medical video cameras. The images can be viewed, manipulated, and annotated with drawing tools.

Images can then be stored or shared, including video conferencing, across computer networks. Standard .jpeg compression is utilized.

CapSure®Vista is not intended for use in mammography.

Caution: Federal law restricts the use and sale of this device to licensed medical professionals.

Safety, Security and Privacy

CapSure®Vista software executes on the Microsoft Windows operating system and as such complies with all Microsoft Windows security. CapSure®Vista does not act as a server or respond to messages therefore, availability is not required. CapSure®Vista receives worklist information via the network and sends DICOM payloads via the network. Network security and encryption are the responsibility of the facility or organization utilizing CapSure®Vista.

Technical Overview of DICOM and CapSure®Vista

DICOM (Digital Imaging and Communication in Medicine) is a message standard and a comprehensive specification of information content, structure, encoding, and communications protocols for electronic interchange of diagnostic and therapeutic images and image-related information. DICOM is a complete specification of the elements required to achieve a practical level of automatic interpretation. It ensures HIPAA compliancy when transmitting encoded medical data.

The fundamental concepts of the DICOM message protocol, services, and information objects are reviewed as background for a detailed discussion of the functionality of DICOM; the innovations and limitations of the Standard; and the impact of various DICOM features on information system users.

DICOM addresses five general application areas:

- Network image management
- Network image interpretation management
- Network print management
- Imaging procedure management
- Off-line storage media management

DICOM is a complete specification of the elements required to achieve a practical level of automatic interoperability between biomedical imaging computer systems—from application layer to bit-stream encoding. The Standard is being extended and expanded in modular fashion to support new applications and incorporate new technology.

An interface to other Information Systems provides for shared management of patient, procedure, and results information related to images. A Conformance Statement template enables a knowledgeable user to determine if interoperability between two implementations is possible. Knowledge of DICOM's benefits and realistic understanding of its limitations enable one to use the Standard effectively as the basis for a long term implementation strategy for image management and communications systems.

When an image is saved, CapSure®Vista creates up to three different types of files; Image, Text, and a DICOM Payload (if DICOM Image Capture feature is enabled).

Image:	JPEG (Joint Photography Experts Group file), BMP (Bitmap file), or PNG (Portable Network Graphics file)
Text:	TXT file (Unicode)
DICOM Payload:	DCM (Image and Information file)

In order for a session to see a stored image, CapSure®Vista must save a JPEG2000, Bitmap or PNG formatted file. To be compliant with DICOM, a JPEG is saved separately along with a .dcm DICOM payload file. The DICOM payload has a JPEG and “nested” tags or fields for data storage. These fields are dynamic in nature and once opened by a DICOM application or DICOM PACS viewer, these fields are completely editable.

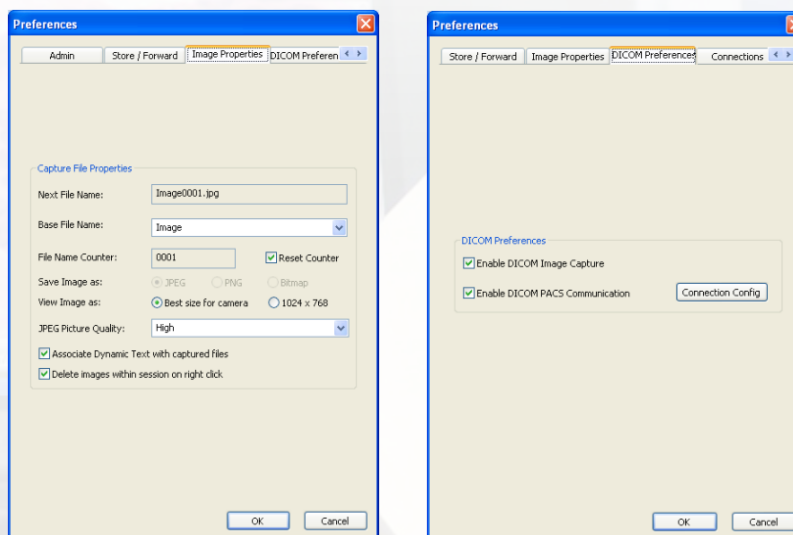


Image Preferences

DICOM Preferences

Registration, Upgrades and Support

CapSure®Vista comes with a ten day trial period for you to test out its features. At anytime during the trial period you may register the product. If you have reached the end of your trial period, then you must complete the registration process to continue using CapSure®Vista. Registration can be done using the Registration Wizard, by phone or during installation. Registration is required to activate the software. When you register, you will be provided with a code to unlock the version of software you have purchased.

If any updates are made to CapSure®Vista, these will be available through the GlobalMed website. To keep this application current, we encourage you to check online for the latest upgrades, offers and product revisions. They can be found at: www.GlobalMed.com.

WARNING - DO NOT REGISTER CAPSURE®VISTA ON YOUR COMPUTER IF IT IS NOT THE COMPUTER YOU PLAN ON USING PERMANENTLY. THE SOFTWARE ACTIVATION KEY CANNOT BE USED ON MORE THAN ONE COMPUTER.

What does CapSure®Vista 1.9 do?

CapSure®Vista is designed to work in synergy with the Windows® Operating System. The software takes full advantage of the latest updates available from Microsoft, and works together as an extension of your iREZ and TotalExam (1 and 2) camera lines.

What's New with CapSure®Vista1.9?

- New Graphics
- Vital Signs module
- IP Configuration
- Locking Windows

Real-time Features:

- iREZ Video Client
- 640 x 480 native broadcast Server
- Frame Panning
- Scaling
- Digital Zoom (25% - 600%)
- Frame Buffering
- Frame Capture
- Format conversion from .bmp to .jpg or .png
- REAL Screen Measuring tools
- Automatic image record

Other Key Features:

- Full WDM and USB2.0 compliant
- Full Sensor Capture (Frame-buffer snap)
- Floating Session and Monitoring Windows
- Adjustable scales from 1 nM to Light-years
- Floating cursor guide
- Date, Time and Name Frame label stamp

System Requirements

ATTENTION: This is a high-performance product. Best results are achieved with the minimum requirements (or greater) for CapSure®Vista. CapSure®Vista is designed for the iREZ and TotalExam (1 and 2) camera lines. It may not properly function with other manufacturer digital cameras. Consult with a GlobalMed Tech Specialist for support with other manufacturer's cameras.

Software:

Windows XP (SP3) or 7 (SP1)
Visual C++ Redistributable (2005/2008)
.Net Framework 4.0
Welch Allyn Spot Vitals LXi Service (1.0)
Welch Allyn SDK Connectivity (2.3)

Minimum Hardware:

Processor: 2.3 GHz Core 2 Dual or faster
Interface: Two USB 2.0 port (Built-in USB port is recommended)
Memory: 1 GB DDR DRAM (2 GB+ recommended)
CD ROM/DVD: Compact Disk or DVD combo drive is recommended
Hard Disk: 10 GB of free space for image library.
(Write speeds should be 7200rpm for time-lapse video capture)
(Average bit map size is 3-12 MB)
Video Card: Rocket-fast GeForce 5900 or better
(Faster IS better. 256MB of memory is recommended)
(Must support DirectX 3D)
Camera support: iREZ i1300c, iREZ i2100c, iREZ KD, iREZ K2, iREZ K2r , TotalExam1,
TotalExam2, and/or any other iREZ microscopy camera.

NOTE: If you are unsure whether or not your system meets these requirements, or if you have any questions regarding the use of this software, please contact our tech support staff before installing.

Technical Support: 480.922.0044 x option 2

E-mail: techsupport@GlobalMed.com

Installing CapSure®Vista

CapSure®Vista software is a professional application, and it is assumed that the professional user has experience in the Windows environment. If you are a novice user, we recommend you spend some time becoming familiar with the Windows Operating System before installing and using this product. Windows has a help and support area and can be found by pressing the Start button at the lower left of your monitor and choosing Help and Support.

First time Installation

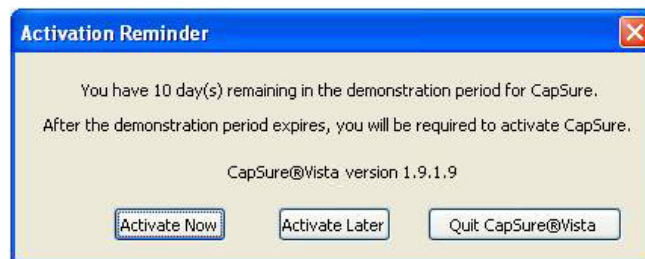
To install CapSure®Vista, perform the following steps:

- Place the CD into your computer's CD ROM drive and let the auto-run installer start up.
- Follow the basic installation instructions.
- The Installer will place a "shortcut" on your desktop for you.

If you have disabled the auto-run feature on your computer or the CD does not automatically start up after a minute or so, right-click on the CD icon and "explore" the CD. Double click on the file labeled setup.exe, and follow the installation process above.

Running the Application

- Select "Activate Later" to continue running in trial mode.
- Select "Activate Now" to complete your registration now.
- Please review the registration procedure on the inside of the CD cover flap.



You are welcome to download CapSure®Vista for a free trial. Once the trial period ends, CapSure®Vista will not launch, run, or re-install on your computer. You must register your software to receive a key that will allow you to continue using it. Contact a GlobalMed Sales Associate to purchase the software.

The Session Window

The Session Window is the first CapSure®Vista window that opens, even when there is no camera turned on. Images are saved for your review in the Session Window.

CapSure®Vista allows you to lock the Session Window and Main Monitoring Window so they don't get lost or hidden behind another open window. DICOM preferences can be selected to enable communication with a DICOM PACS server or to save a DICOM image while storing and/or forwarding the image.

All sessions and snapshots are saved. The default location is the CapSure®Vista folder within the "My Pictures" folder. You can change the default location by going to the preference menu in the Root Capture Directory. (It is recommended that the CapSure®Vista folder be your default). To delete an image from a session, right-click on the thumbnail for that image and confirm the delete. Please note that the image will be deleted permanently!



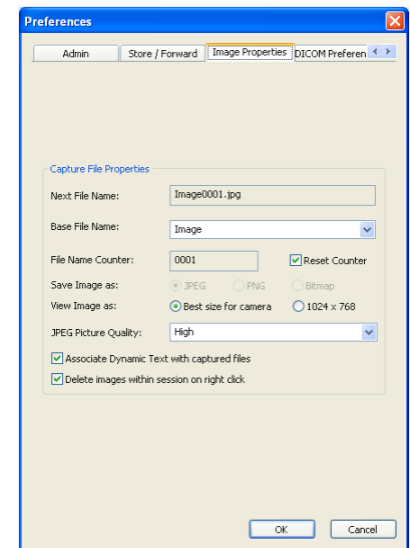
Session Window

Preferences and Video Controls

The Preferences Window allows you to set a default name for the images, reset the name counter, and select the type of compression. (NOTE: “Low quality” images may use less space on a hard-drive, but you may appreciate the higher quality in future sessions. For the highest image quality, select “Uncompressed Bitmap”). Also in the Preferences Window, you can associate a text file with your image and select snapshot control from a GlobalMed TotalExam Camera (an Optional feature).

To adjust Preferences:

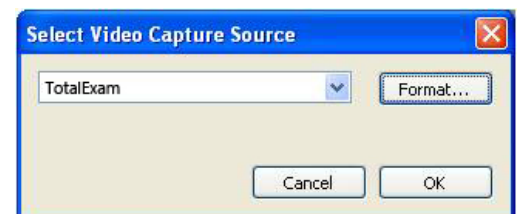
- Select the **File** Menu in the **Session Window**.
- Choose **Preferences**.
- The Preferences window appears. Click the Image Properties tab at the top of the window.
- Select desired file type and adjust the quality.
- If you desire a text file to be associated with the picture you capture, check “**Associate Dynamic Text with captured files**”.
- Click the **Store / Forward** tab at the top of the window.
- Change **Root Capture Directory** if desired by clicking on **Browse**.
- Change file name by typing in **Base File Name** box.
- Click OK.



Preferences Window

Select the video source or camera:

- Select the File Menu in the **Session Window**.
- Choose **Select Source**.
- The **Select Video Capture Source** window will appear displaying available cameras.



Video Capture Source Window

Special Keys:

- Select the **File** Menu in the **Session Window**.
- Choose **Preferences**.
- The Preferences window appears. Click the Special tab at the top of the window.
- Check Enable Special Keys.

Pressing the **Spacebar** takes a snapshot.

Pressing **Shift** with the **Spacebar** stops and starts the video.

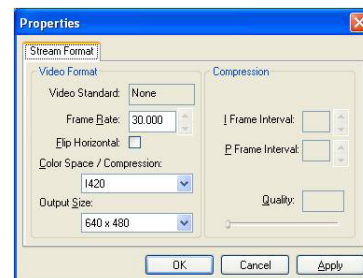
Using these Special Keys will help prevent you from having to “fish around” with a mouse to freeze the image or take a snapshot while holding your exam camera in your other hand. You can enable/disable the Special Keys by clicking the box.

Preferences and Video Controls cont.

Camera Properties Window

To format the camera, click on Format.

- Color Space default is set to RGB 24.
- Output Size will open to the largest format available for your camera.
- Adjust your desired settings in the Camera Properties Window.

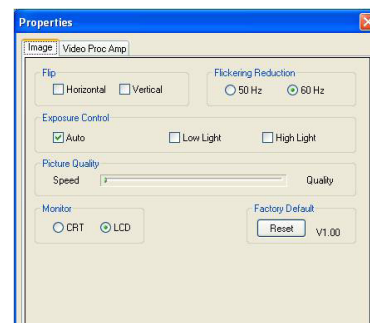


Camera Properties Window

Video Controls will vary, depending on the camera you have selected. The video properties in the image on the right are from the iREZ K2r Video Camera. In the Properties Window, you can control the camera's color, brightness, hue, sharpness, exposure, etc. Many cameras have a default setting; this is recommended when using CapSure®Vista. The Format and Video Controls are located under the Source Menu.

Main Monitoring Window

The image is centered and defaults to 100% scale and 640x480 screen resolution. The Monitoring Window can be scaled to any size the feels comfortable and fits your computer monitor's resolution. If you double click the blue or gray header of the Monitoring Window, the image will go to full screen.



Format and Video Controls



Monitoring Window

DICOM PACS Configuration

For IT and Admin Personnel Only

This section explains how to configure CapSure®Vista to communicate with a DICOM PACS. Begin by going to the File menu in the Session Window and selecting **Preferences**. The **Preferences Window** will open. Click on the DICOM Preferences tab to bring up the DICOM information. Make sure that **“Enable DICOM Image Capture”** and **“Enable DICOM PACS Communication”** are both checked. Click on the Connections tab to bring up the connection information window.

The **Connections** tab is where you set the connection information used for communicating with a remote DICOM PACS to store images. Here “AET” refers to an Application Entity Title (a DICOM name), “IP” refers to an IP address, and “Port” refers to a port number. Your PACS server admin should assign you the appropriate IPs and ports.

The **Local** fields correspond to the CapSure®Vista software itself. The IP can be obtained by Googling “what is my IP”. The port number is 104 by default and it is recommended that you DO NOT change this value. Consult with your PACS manager to determine what the AET should be.

Remote MWL fields correspond to the modality worklist service with which CapSure®Vista communicates to find patients/studies to associate with. Consult with your PACS manager to determine these values.

Storage fields correspond to the storage service with which CapSure®Vista communicates to store images remotely. Consult with your PACS manager to determine these values.

The station name and institution name are values you may specify to help you identify the workstation in captured images. **Max AET Length** allows you to limit the number of characters that can be entered in the AET fields.

The screenshot shows the 'Preferences' dialog box with the 'Connections' tab selected. The 'Modify Settings' checkbox is checked. The 'Static' section contains 'Station Name' (DEVSTATION) and 'Institution Name' (GLOBALMED). The 'IP Config' section contains the following fields:

Field	Value	Port	Port Value
Local AET	DEVSTATION		
Local IP	66 . 226 . 230 . 226		104
Remote MWL AET	SURE_WORKLIST		
Remote MWL IP	72 . 167 . 44 . 129		11014
Storage AET	SURE_STORAGE		
Storage IP	72 . 167 . 44 . 129		11012
Max AET Length	1024		

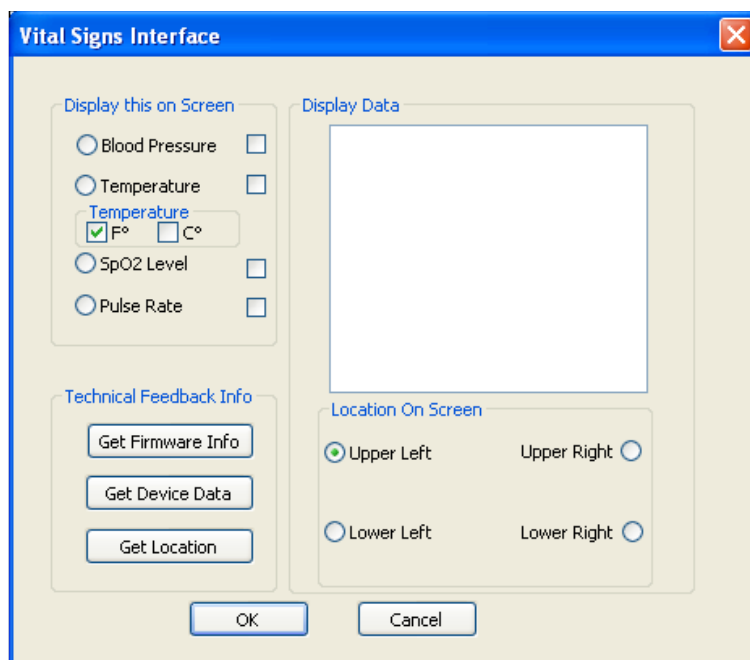
At the bottom right are 'OK' and 'Cancel' buttons.

Connection Configuration Window

Welch Allyn® Vital Signs Window

If a Welch Allyn® Spot Vital Signs device is connected to the computer, all of its vital signs data can be integrated into the CapSure®Vista application. The **Vital Signs** menu in the **Main Monitoring Window** opens the **Vital Signs Interface Window**, which is where the settings for displaying this vital signs data is located.

If the Welch Allyn® Spot Vital Signs device has been properly set up, you can press the circular radio buttons in the **Vital Signs Interface Window** causing device data to appear in the **Display Data** window. If the information does not show up or you receive an error message, please see the **Frequently Asked Questions** section of this manual for more guidance.



Vital Signs Interface Window

To display the vital signs in the video window, check the square checkboxes next to the specific vital signs you would like to display and choose which corner of the window you would like the vital signs to be displayed in. Press **OK** when finished. The vital signs data should appear in the video window. Now when images are captured, this data should be incorporated into the save image.

*Setting the text font too large may prevent all of the Welch Allyn® Spot Vitals data from being displayed within the session window.

Patient/Study Search

The **Patient /Study Search** option under the **Patient Management** menu on the **Session Window** menu bar allows you to set up searches to a DICOM PACS server. You can enter search criteria in any or all of the search fields. Then click the **Search for Patient/Study** button.

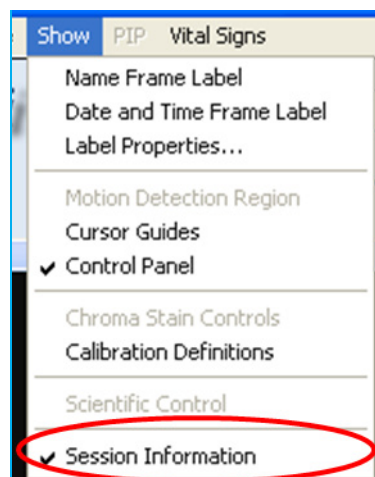
If CapSure®Vista finds a match; it will display the patient's records in the **Results Window**. After selecting your patient, click the **Select this Patient or Study** button and begin taking new snapshots with the camera. The snapshots taken will be associated with the patient's record.

When you have finished taking snapshots, click the **End Session** button. You may then quit the application or select another patient from the patient search results list to begin a new session with a different patient.

Patient/Study Search Window

(Note: Be sure your IT or Admin person has set up the "Connection Config" and you are "Connected" to the PACS.)

You can view the current associated patient's information by choosing **Session Information** under the **Show** menu on the **Main Monitoring Window**.



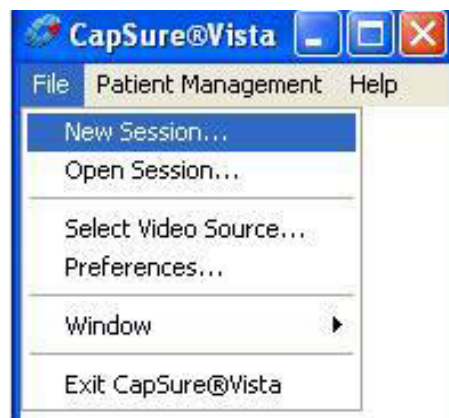
Managing Images

A **Session** is a folder filled with a set of images you want to save which may be of similar subject matter or a patient examination.

CapSure®Vista will manage, name and sequentially number your images as you work. Each time you launch the program, CapSure®Vista opens with the most recent Session Window open. You can open a previous session or a new session by making the selection in the **File** menu.

CapSure®Vista chooses a default session name for each session started and saves it in the **My Pictures** folder (or other location if you have changed it). You can change the default session name by clicking on the **File** menu, then selecting **Preferences**.

If you close the CapSure®Vista, the program saves the session. When you restart CapSure®Vista, this saved session will appear. To change, you must choose to start a new session or open another.



New Session Window

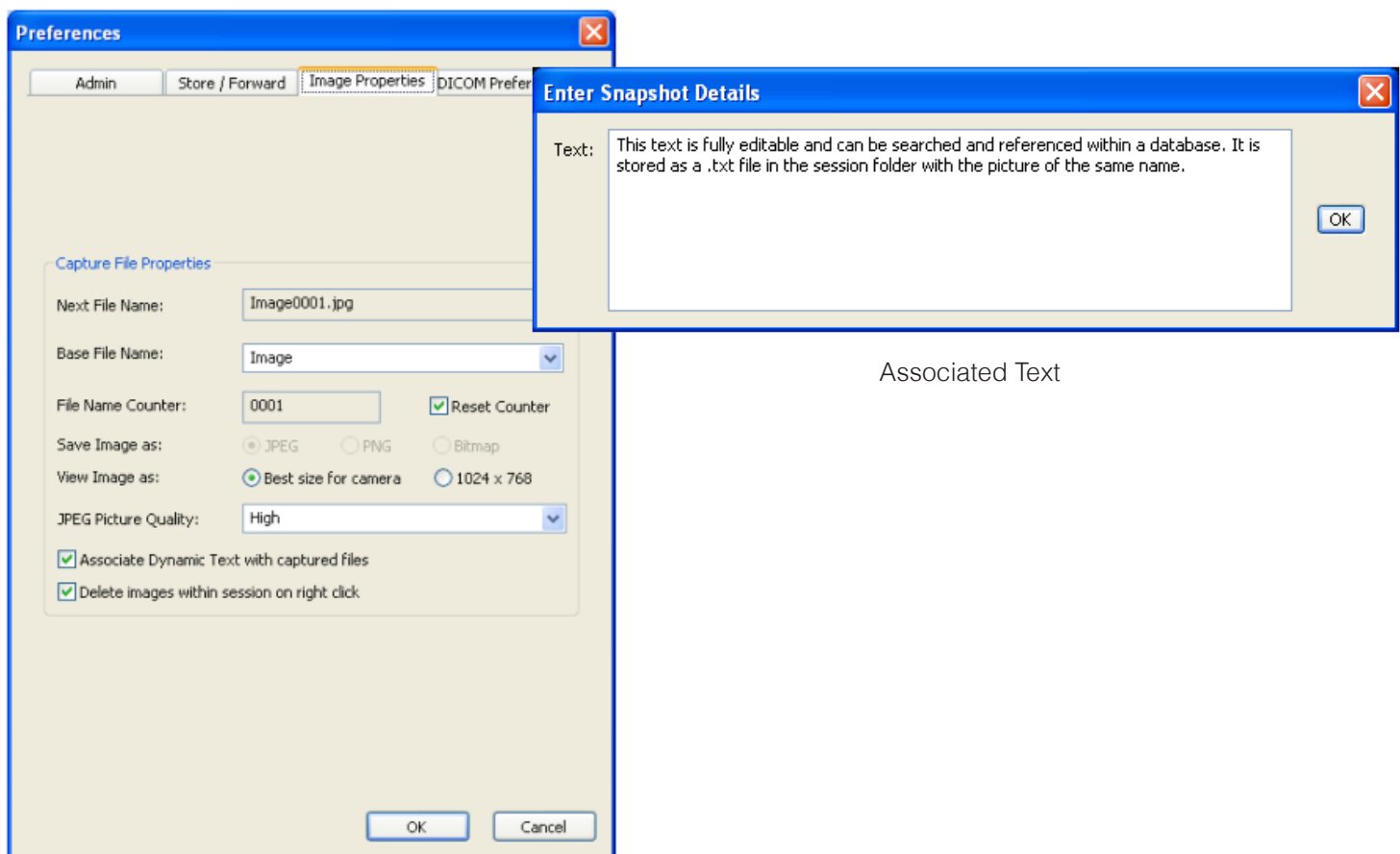
Managing Images cont.

Dynamic Text: This is an important new feature of CapSure®Vista, allowing you to place text dynamically anywhere on the image in the Video Window and as many times as you wish. (See example on right.)

Associated Text File: This feature allows you save a block of text, words, comments, and impressions separately from an image in a .txt file that is associated with the image saved. (See example below.)



The text is stored in the same session as the saved image with the same root filename. This allows it to be searchable by a database. The text is completely editable within CapSure®Vista. The enable/disable toggle for **Associated Dynamic Text** file is in the **Preferences Window**.



Associated Text

Image Preferences

Main Control Menus

The screenshot shows the CapSure®Vista - ArcSoft Webcam Sharing Manager interface. The 'Source' menu is open, showing options like 'Run Video Source', 'Stop Video Source', and 'Print'. The 'Filters' menu is open, showing options like 'Red', 'Green', 'Blue', 'Chroma Stain', 'Greyscale', 'Negative', 'Flip Vertical', and 'Flip Horizontal'. The 'Capture' menu is open, showing options like 'Capture Entire Still Frame', 'Capture Cropped Still Frame', 'Run Time Lapse Capture', and 'Stop Time Lapse Capture'.

Source Submenu

- Run Video Source
- Stop Video Source
- Print
- Video Formats...
- Video Controls...
- Input Controls...
- TV Tuner Controls...
- VFW Controls...

Filters Submenu

- Red
- Green
- Blue
- Chroma Stain
- Greyscale
- Negative
- Flip Vertical
- Flip Horizontal

Capture Submenu

- Capture Entire Still Frame
- Capture Cropped Still Frame
- Run Time Lapse Capture
- Stop Time Lapse Capture

The screenshot shows the CapSure®Vista - ArcSoft Webcam Sharing Manager interface. The 'Tools' menu is open, showing options like 'Grabber Hand', 'Pointer', 'Dynamic Text Overlay', 'Arrow Measurement', 'Extension Measurement', 'Gap Measurement', 'Ellipse', 'Rectangle', 'Chroma Staining Selector', 'Erase Last Object', 'Erase All Objects', and 'Drawing Tool Properties...'. The 'Video Size' menu is open, showing options like '20%', '50%', '75%', '100%', '200%', '300%', '400%', '500%', '600%', 'Fit to window', and 'Reset'. The 'Show' menu is open, showing options like 'Name Frame Label', 'Date and Time Frame Label', 'Label Properties...', 'Motion Detection Region', 'Cursor Guides', 'Control Panel', 'Chroma Stain Controls', 'Calibration Definitions', 'Scientific Control', and 'Session Information'. The 'Vital Signs' menu is open, showing the 'Spot Vital Signs LXI' option.

Tools Submenu

- Grabber Hand
- Pointer
- Dynamic Text Overlay
- Arrow Measurement
- Extension Measurement
- Gap Measurement
- Ellipse
- Rectangle
- Chroma Staining Selector
- Erase Last Object
- Erase All Objects
- Drawing Tool Properties...

Size Submenu

- 20%
- 50%
- 75%
- 100%
- 200%
- 300%
- 400%
- 500%
- 600%
- Fit to window
- Reset

Show Submenu

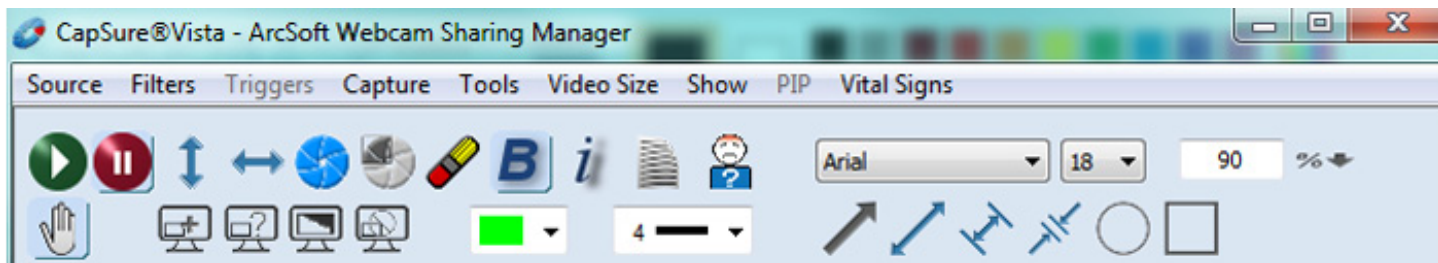
- Name Frame Label
- Date and Time Frame Label
- Label Properties...
- Motion Detection Region
- Cursor Guides
- Control Panel
- Chroma Stain Controls
- Calibration Definitions
- Scientific Control
- Session Information

Vital Signs Submenu

- Spot Vital Signs LXI

*When utilizing flip image functionality, ensure picture resolution is set to 640x480.

Main Control Buttons



Start and Stop: Click Start to preview your video or Stop to freeze your video in the Preview Monitor Window.



Flip and Mirror: Click to flip the video preview upside down or build a mirror image on the screen in real-time.



Picture Button: The “picture” is the entire image the camera sensor sees. Click the Picture Button to take a shot of the entire image. To change this setting, choose the Source Menu, then Format Controls, and adjust the Output Size to determine the size of the image capture. Please note that if you have used Hand to pan to a corner of the image and click on the Picture Button, you will get the entire image the camera sees, not the area of the image displayed.

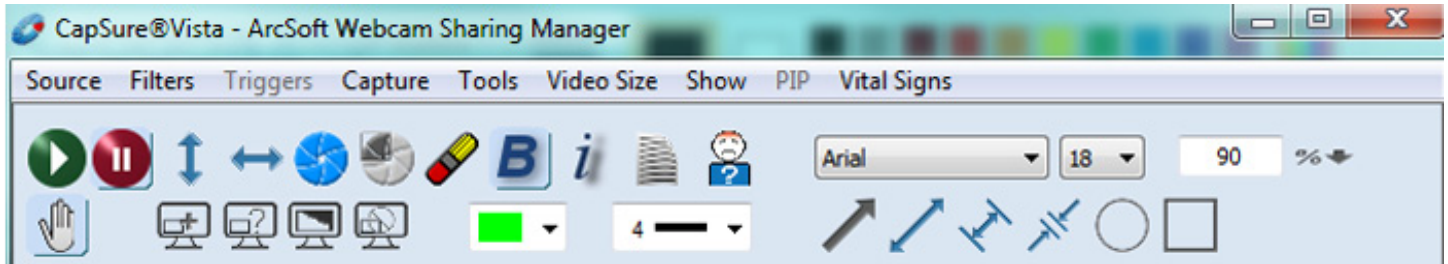


Snap Button: The Snap Button will capture the image you see displayed in the Preview Monitor Window. If you have zoomed in or panned anywhere within the image, the Snap Button will grab the image there and in that way. You determine the quality of the image saved in the Preferences Menu. The default is set to the BMP, or Bitmap, Format, which is the highest quality. Each image taken, using either the Picture Button or the Snap Button auto-saves to the open session.



Hand: The cursor becomes a Hand. Click the left button on the mouse, and the Hand changes into a “grabbing hand” shape, allowing you to pan the image in the Preview Monitor Window in real-time.

Main Control Buttons cont.



Eraser Button: The Eraser Button has two functions: Erase the last step taken or erase all steps taken. Click once on the Eraser Button to erase everything drawn on the image. Hold down the CTRL Key and click on the Eraser Button to erase the last drawing placed or measurement made on the image. The Eraser Button can be clicked to function without deselecting any other options.



Lines: The pull-down menus allow you to select the color and width of lines drawn on the image.



Font Controls: Control of fonts is the same for all Microsoft Products: a window for the specific font and a window for the font size.



Text Tool: A window for your comments or title opens when you click on this tool. When finished entering text in the window, click "OK." Use your cursor to place the text in the desired location on the image.

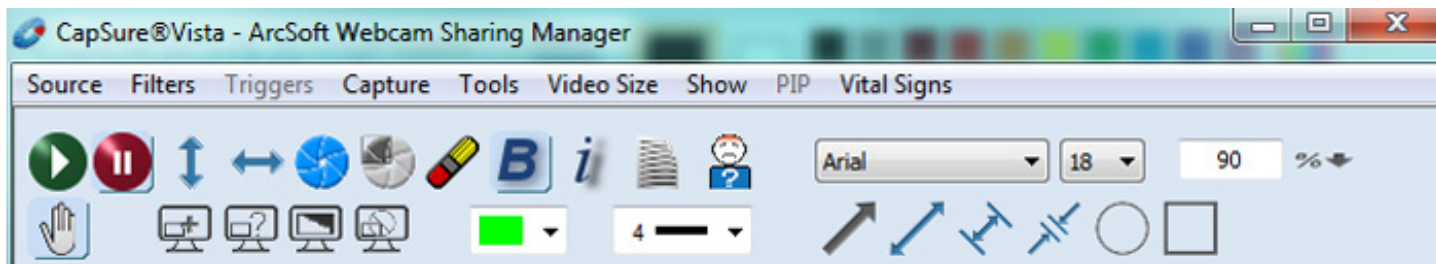


Zoom Controls: The Zoom Button is a digital real-time zoom gauge; it will show you how far you have digitally zoomed into an area of the image. By left-clicking the Percent-Arrow, you may select a magnification ratio of up to 600%. If your mouse has a scroll wheel, you can position the cursor over the Preview Monitor Window to zoom in or out on an image.



Arrow Option: The Arrow button allows you to place arrows on the image to indicate a certain feature or region of interest. Left-clicking and dragging to draw the arrow will start from the end of the arrow. Right-clicking and dragging to draw the arrow will start the drawing from the beginning of the arrow.

Main Control Buttons cont.



Draw Buttons: These buttons will enable you to draw circles, ellipses, squares and rectangles on the image. You can position the cursor to begin drawing from the center of the image. The measurements represent the x and y axes of the shape you draw. Holding down the Shift Key and the left mouse button will enable you to drag the shape in any direction while maintaining the shape's uniform size. Holding down the Control (CTRL) Key and the left mouse button will start the shape at the middle instead of the side when you drag the cursor. Holding down the Shift Key and the CTRL Key together with the left mouse button will begin drawing the shape in the middle and keep it uniform. These controls are useful when measuring holes or objects within objects



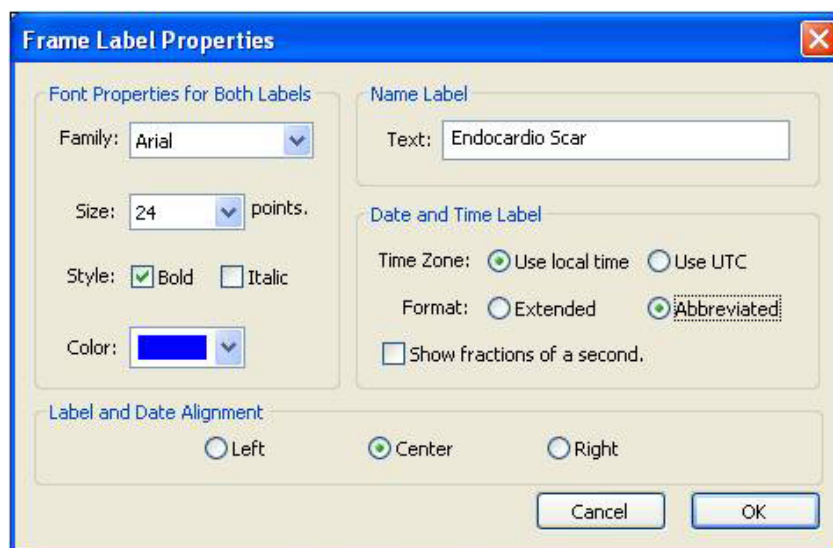
Measuring Tool: The Measuring Tool has two functions: Placing a measurement in the image and calibrating the Measuring Tool. To calibrate, focus the camera on a ruler, select a measurement tool, position the mouse where you want to start the calibration from, and hold down the ALT key and LEFT mouse button while dragging the mouse to the desired measurement length. Upon release, an Edit Calibration box will displayed where you can select the desired measurement unit (e.g. cm), and name the calibration.



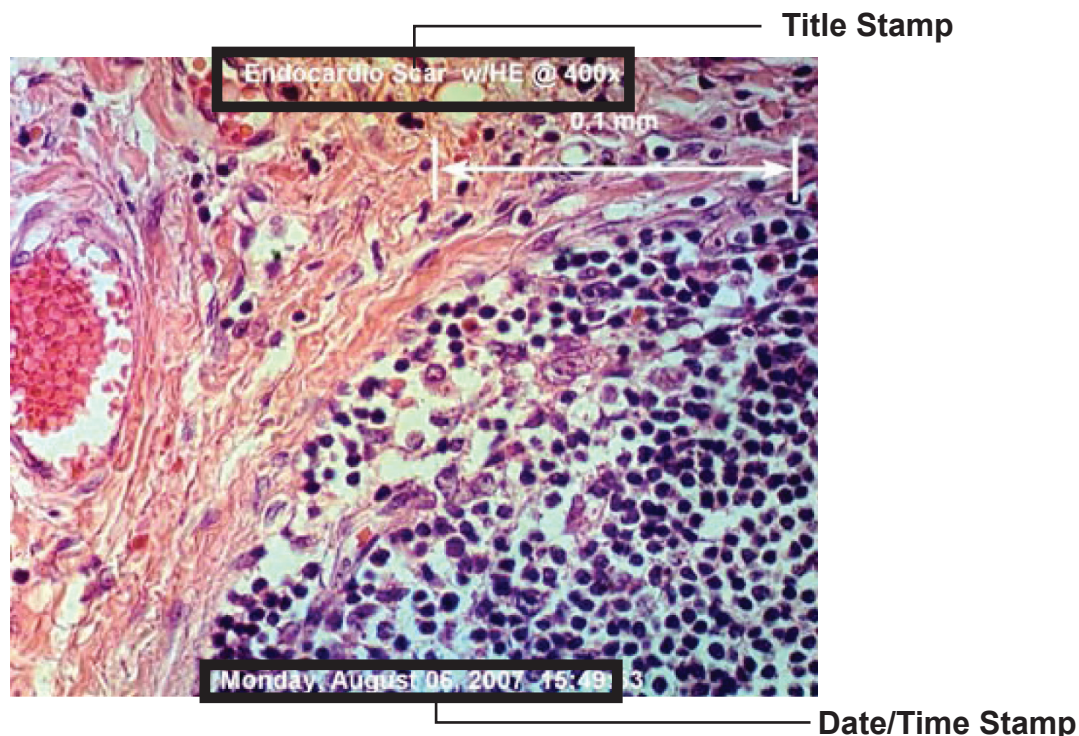
Patient/Study Search Button: This button will open the Patient/Study Search Window if DICOM communication has been enabled. From this window you can associate with a patient or study and store all images captured in a new session with them.

Frame Labeling

To “label” a video window, hover over **Show** in the **Main Monitoring Window** to display the drop down menu and click **Label Properties**. The **Frame Label Properties** window will display, asking you for a name and size of font. You can also select the optional **Date** and **Time** overlay. The defaults are “Use local time” and “Extended.” The example below shows the title at the top (“Endocardio Scar”) and the abbreviated time stamp at the bottom in 48 point font. Both the title text and the time stamp are fixed at the top and bottom of the full image. If you zoom in on an image and do not see the text, you can capture the image without the text by clicking the **Snap Button** instead of the **Picture Button**.



Frame Label Properties Window



Frequently Asked Questions (FAQs)

My camera is connected, why are there no available video capture devices?

First, check that the camera is properly powered. Second, check that the necessary drivers for the camera have been installed on the computer. To do this, open the Device Manager in Windows and look under Imaging devices. If the drivers have been installed, you should see your camera as one of the options.

If the problem persists, check that no other applications are currently using the video source. Commonly these applications will be video conferencing software such as EasyShare, Skype, GoToMeeting, etc. If any such applications are open, close them and try again.

Why is my video window black?

In the Main Monitoring Window, go to the Source menu and select Input Controls. A Properties window will appear. toggle the video input selection and click Done.

Why is my video window tinted green, pink, or another color?

If you are using an S-Video camera, check that the S-Video is correctly connected between the camera and the interface to the computer. Also check that no other applications are currently using the video source. Commonly these applications will be video conferencing software such as EasyShare, Skype, GoToMeeting, etc. If any such applications are open, close them and try again.

Frequently Asked Questions (FAQs) cont.

How do I calibrate measurements?

First, it is important to fix the distance between the camera and the calibration reference. Using the TotalExam camera this can be achieved by attaching the tongue depressor.

To calibrate, capture an image of a known physical length (such as the graduation marks on a ruler). Select a measurement tool, click and drag from the beginning of the known length to the end of it. The measurement will indicate the number of pixels (px). Record the number of pixels.

Go to the Show menu and select **Calibration Definitions**. The **Calibration Definitions** window will appear. Click **New** to specify a new calibration definition. The **Edit Measurement Calibration** window will appear. Enter the recorded number of pixels in the left field and enter the number of physical units it corresponds to in the right field. Choose the units of the physical measurement from the pull-down menu. You can name the calibration definition for future use. Finally, check **“Apply new calibration definition to existing annotations”** and click **OK**. The measurement should now display in physical units.

The calibration process should now be complete. Please note when capturing images that the calibration will be accurate **ONLY** if the camera remains at the same distance from the patient that it was during the calibration. Again, this can be achieved by attaching the tongue depressor and using it to keep the distance constant.

How do I save my settings?

The last used settings for CapSure®Vista software should save upon exiting the application. To ensure the settings are saved, configure the software as you desire and close the application by clicking the red X at the top of the Session Window. Do NOT try to close the application by clicking the red X at the top of the Main Monitoring Window (this does not necessarily close the application).

How do I start a new session?

In the **Session** window, go to the **File** menu and select **New Session**. The **New Session** window should appear asking for the name of the new session. Click **OK** to end the current session and start the new session

Frequently Asked Questions (FAQs) cont.

How do I connect to a remote DICOM PACS?

First, consult with your PACS manager to determine the Application Entity Title (AET), IP address, and port number for the Modality Worklist and Storage services of the remote DICOM PACS. Also ensure that the PACS is configured to accept traffic from CapSure®Vista software and note what your local AET, local IP address should be. By default the local port number will be 104. You can determine the appropriate IP address by Googling “what is my ip”.

In the Session window, go to **File** menu and select **Preferences**. The **Preferences** window will appear. Click on the **DICOM Preferences** tab to bring up DICOM information. Check “**Enable DICOM Image Capture**” and “**Enable DICOM PACS Communication**”. Click on the **Connections** tab to bring up connection information. Enter the values obtained from your PACS manager and click OK.

You can test PACS connectivity by going to the **Patient Management** menu in the **Session** window and selecting **Patient/Study Search**. If PACS communication is not enabled, the software will ask if you want to connect. Choose Yes to test the connection with the remote DICOM PACS. If the connection is working, the **Patient/Study Search** window should appear. Otherwise, you will receive a DICOM communication error.

The software will also test PACS connectivity automatically every thirty seconds and report the status in a label at the bottom of the **Session** window.

Please consult GlobalMed technical support if connection issues persist. See the DICOM Connection Configuration section of the manual for more information.

Frequently Asked Questions (FAQs) cont.

How do I configure Welch Allyn® Spot Vitals to display in my video?

First, confirm that the Welch Allyn® Connectivity SDK is installed on the CapSure®Vista computer. This can be done by going to **Add or Remove Programs** and verifying that **Welch Allyn® Connectivity SDK** is in the list of programs. If it is not installed, please contact GlobalMed technical support for further assistance.

Next, check that the **GlobalMed Welch Allyn® Vitals Windows Service** is installed and running. Go to the **Service Manager** and verify that **GlobalMed Welch Allyn® Vitals Windows Service** appears in the list of services. The status for the service should be Started and the startup type should be **Automatic**. These settings can be changed by right-clicking on the service and selecting **Properties**.

If the problem is still not resolved, please ensure that the Welch Allyn® Spot Vital Signs device is correctly powered. Also be sure that the device is connected to a USB port on the computer and that it is turned on.

What is the Admin password?

By default, the Admin password is “admin”. It is possible to change this value for more security. Please consult GlobalMed technical support for further instructions.

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Parts of the security and password protection within CapSure®Vista is based on the Blowfish encryption algorithm designed by Bruce Schneier, similar to the encryption algorithm used in the popular Digital Video Recorders made by TiVo, Inc. for safely transmitting data to and from the hard drive.

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