

# Digital Video Otoscope



**MedRx** INC<sup>TM</sup>

Let Our Image Enhance Your Image

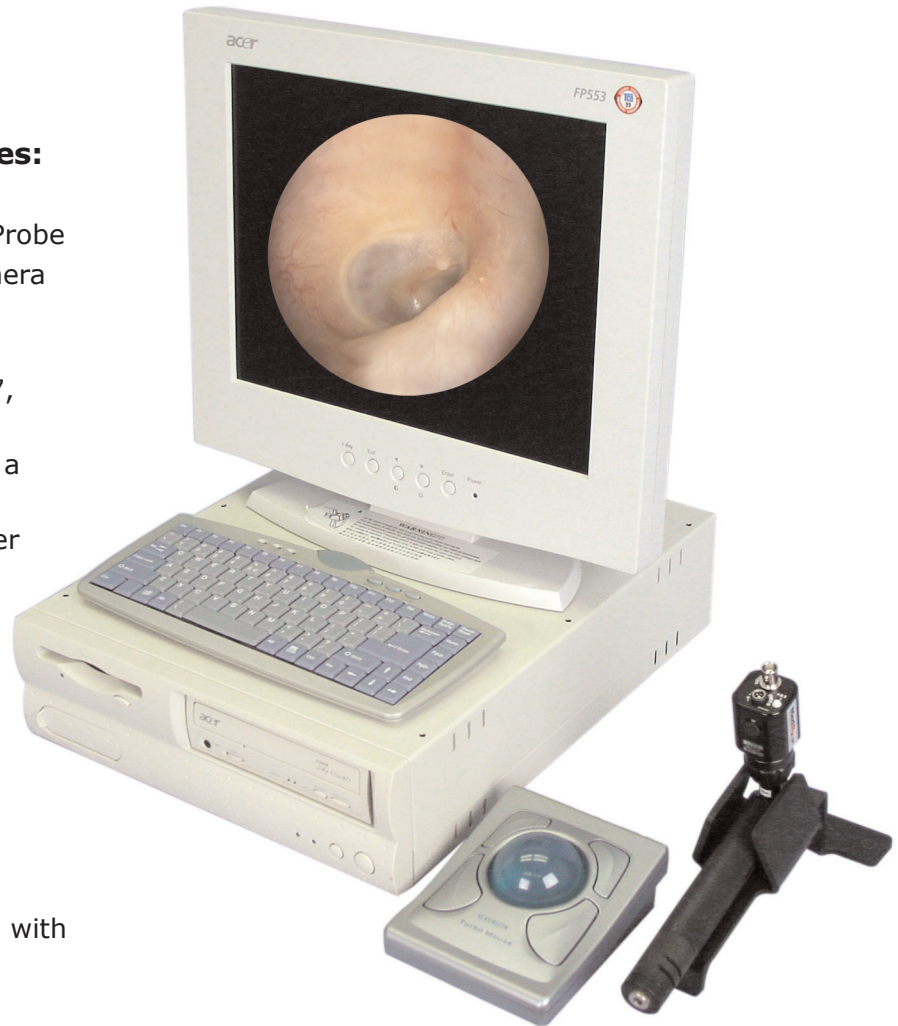
# Congratulations on Purchasing the MedRx Digital Video Otoscope

## The MedRx Digital Video Otoscope System Includes:

- MedRx Patented OtoScope Probe
- MedRx High Resolution Camera
- High Resolution Sony Color Video Monitor
- Computer: Intel Celeron 1.7, 20GB Hard Drive
- Track Ball that couples with a Stop Action Foot Pedal
- LED Light Source with power pack
- 3mm Specula
- All Necessary Cables and Attachments
- One Year Warranty

## Options:

- Full Image/Radiograph Lens with Adjustable IRIS
- Extended Warranty



**MedRx** INC™

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The Video Otoscope function can be accessed from any screen displaying the camera icon.



# NOAH™ Installation

## Install the NOAH™ Module

**NOAH™ must already be installed prior to installing the MedRx NOAH module.**

The MedRx module is compatible with both NOAH 2 and NOAH 3 systems.

### Installing from CD-ROM:

- Insert MedRx Setup disk into CD drive.
- Start NOAH.
- Choose Setup from the NOAH main screen menu (In NOAH 3 choose Tools | Setup).
- Choose Install Module.
- In NOAH 2 type D:\NOAH (replacing A:\, where D: is the name of your CD drive.) in the box and click OK.  
In NOAH 3 browse to the NOAH directory located on the CD-ROM, choose Install.ini, and click Open.

### Installing from floppy disk:

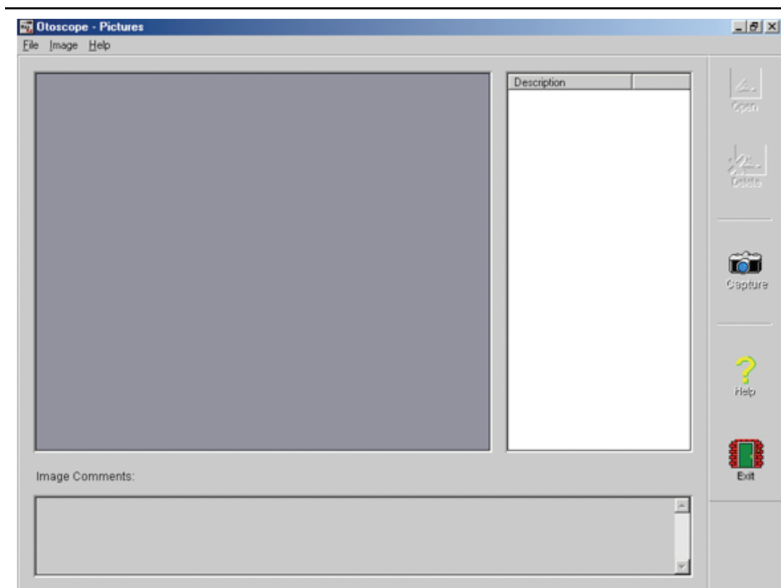
- Insert MedRx NOAH Module floppy disk into drive A:
- Start NOAH.
- Choose Setup from the NOAH main screen menu (In NOAH 3 choose Tools | Setup).
- Choose Install Module
- In NOAH 2 make sure that A: is displayed in the box and click OK.
- In NOAH 3 browse to the A: drive, choose Install.ini, and click Open.

# Video Otoscope Capture

To begin using your MedRx Video Otoscope

- Click on the NOAH Icon
- Select a Client
- Select Medrx Otoscope Module

This screen will appear



Using the probe or the full-face lens select the image you want and hit Capture.

# Video Otoscope Capture

The Capture Screen allows you to:

- Take pictures with the Video Otoscope
- View the images
- Prepare the images for storing in the patient database

Use a clean speculum tip for each new patient.

From the drop-down box choose appropriate picture description, or type your own. The description can be changed later.

To take a picture, click on the Capture Icon.

## Single Click Mode

If checked, the capturing will operate differently. Once the Capture icon is clicked, instead of immediately taking a picture, the program switches to the Single Click mode. All the icons will turn gray, indicating that they are inactive. At that moment a picture can be taken by pressing any key on the keyboard or the left mouse button. The advantage of this mode is that you do not have to watch the mouse pointer on the screen during the picture taking procedure but rather concentrate on the patient.

To end the Single Click Capture mode, hit the Esc key or the right mouse button.

## Sequence

If selected, a sequence of pictures can be taken by using the Capture icon (or any key in Single Click mode). If not selected, a single picture will be taken and the capturing screen will close every time you choose the Capture icon.

The icons at the top left of the display configure your hardware for use in this task. Your MedRx representative will install the appropriate configuration on the system and should be consulted when problems arise with displaying an image.

# Video Otoscope Preview

The Video Preview Screen allows you to:

- Perform an otoscopic examination
- Place the probe microphone in the ear canal

Use a clean speculum tip for each new patient.

To freeze or run a picture, click on the Run/Freeze button.

To take a picture and view it, click on the Open button.

## Single Click Mode

If checked, the capturing will operate differently. Once the Run/Freeze or Open button is clicked, instead of immediately freezing or taking a picture, the program switches to the Single Click mode. All the icons will turn gray, indicating that they are inactive. At that moment a picture can be frozen by pressing any key on the keyboard or the left mouse button. The advantage of this mode is that you do not have to watch the mouse pointer on the screen during the picture taking procedure but rather concentrate on the patient.

To end the Single Click mode, hit the Esc key or the right mouse button.

## Open

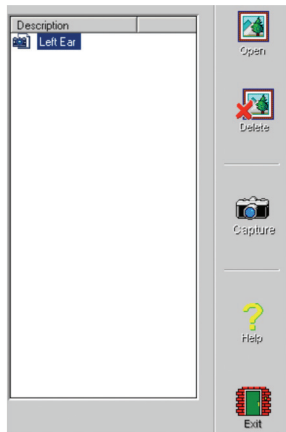
The Open option allows to take a picture and view it on a separate screen where it can be zoomed-in or enhanced for better viewing. On that screen you can also add the most recent image to the list of pictures prepared for storing in the patient database. When using the Single Click mode, to use the Open option the picture has to be frozen by Run/Freeze icon, and the Single Click mode inactive (i.e. activate the mode, click on the Run/Freeze button to freeze the picture, end the Single Click mode by using the Esc key or right mouse button, and then click on the Open button).

The icons at the top left of the display configure your hardware for use in this task. Your MedRx representative will install the appropriate configuration on the system and should be consulted when problems arise with displaying an image.

# Video Otoscope Record

The Video Otoscopy Record can be accessed from the main (first) program screen by selecting the Pictures button.

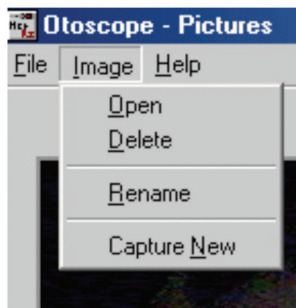
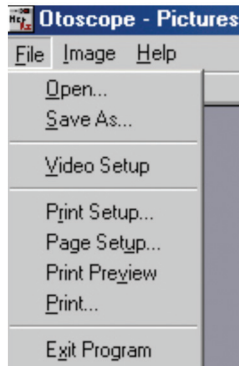
The screen shows the list of captured pictures, comments, and a preview of the selected image. To preview a picture, select it in the list. An image in the list can be renamed by selecting it, clicking the right mouse button, and choosing the Rename option from the menu.



**OPEN:** Click on the Open button to open the selected picture and view it on a separate screen where it can be zoomed-in or enhanced for viewing.

**DELETE:** Click on the Delete button to remove the selected picture from the record.

**CAPTURE:** Click on the Capture button to take a new picture.



Using the pull-down menus on the top of the screen permits you to perform other functions as needed.



# Video Otoscope View

This screen allows you to view a picture, zoom it in, and enhance it for viewing.

## Tool Bar



Use this button to enlarge the image



Use this button to restore the image to its the original size



Use this button to maximize the image so that it occupies all available screen space.



Use this button to undo the last processing operation performed on the image.

## Enhancing



Use this function to emphasize the details on the image.



Use this function to blur the details on the image.



Use this function to create a shadow effect on the image. Best when used with monochrome pictures.

## Store Option

The Store option is available only for new (just taken) pictures captured in the preview mode, and allows you to add this picture to the patient database.