

Zadro Digital Imaging Camera Wand

User Manual



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Read these instructions before use.

Model No.: DICW01

Congratulations on purchasing the Zadro Digital Imaging Camera Wand which can be used to capture photos or video to easily examine your skin and body in hard or impossible to see places. View and document your health concerns. Save those images on your computer for future comparison of shape, size and color.

Use Zadro Digital Imaging Camera Wand to magnify small objects or text and see them on the computer screen allowing for easier reading or viewing.

Product Features and Function:

The Zadro Digital Imaging Camera Wand can be used to view images and easily capture pictures or video on your computer screen with one-click media capturing.

With a comfortable hand held design, the camera wand has four LED lights built into the wand tip illuminating the subject for optimal viewing. The on/off light switch and light intensity adjustment wheel are located on the camera cord. It is powered directly by the computer through the USB port.

Included in Digital Imaging Camera Wand Package:

- Digital Imaging Camera Wand, Model: DICW01
- Stand for wand tip
- Mini-CD for software installation

Applications:

Note:

Use of the Digital Imaging Camera Wand is not a substitute for a visit or consultation with your doctor. This device is not intended for medical use.

- Inspection of body surfaces such as:
 - Skin or epidermis including moles or blemishes
 - Hair, scalp, back, or hard to view areas

- Intra-oral, gums, throat or teeth
- Bottom of feet for easier viewing
- Any healthcare concerns can be captured in a photo and saved on your computer. The grid scale in the camera wand can be used when picture is taken to help estimate size. Pictures can either be emailed to your physician or saved for comparison over time for any changes in shape, size or color.
- Magnifying feature in camera allows you to better view and manipulate difficult to see objects, such as a sliver embedded under skin.
- Easier to inspect between narrow spaces as focal distance from tip of camera wand is about 1" or 2 cms. and magnifying feature allows better viewing into hard to see areas.
- Easier to work with small items when doing arts & craft work.
- Easier when working with small parts in work applications which can be viewed for assembly. Pictures or video can be captured on the computer if discrepancies need to be documented.
- Magnifies small writing so that it can be easily read on computer screen. Perfect for prescription bottles, serial numbers, or any small text.

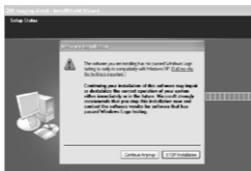
Installing Software:

The Digital Imaging Camera Wand is designed for computer interface compatible with USB 2.0.

1. Plug the USB cable on the Digital Imaging Camera Wand into the computer USB port.
2. Place the mini CD included with the camera wand into the CD-ROM drive on the computer.
3. Click the install button to launch the Installation Wizard. Follow the directions selecting "next" and "continue" to complete the installation.




Note: The following computer screen seen below may appear. Click “Continue Anyway”.



4. Follow the computer installation steps, which are completed by clicking “Finish”.

How To Use:

1. After the computer program for the Digital Imaging Camera Wand has been installed, the “Imaging Wand” will appear as a shortcut on your desktop, double click the imaging wand  or open the program Imaging Wand from ZHS Imaging Wand in your start menu.
2. Place the removable stand provided onto the camera wand so that a fixed distance from the object can be obtained when using.

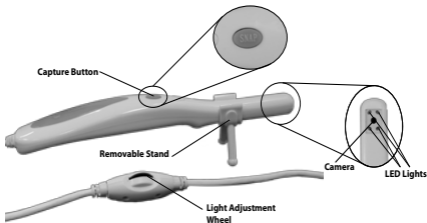


fig. 1-1

3. Turn light adjustment wheel on cable until light quality is optimal for viewing.
4. To take a picture with the Digital Imaging Camera Wand, obtain the desired image on your computer screen, then either click the capture button on the camera wand (fig. 1.1) or from the "Capture(R)" drop down menu, click "Still Image Capture" (fig.1-2).



fig. 1-2

5. After you take the picture, the "Save As" menu will pop up on your computer screen so you can indicate where to store the image.
6. To designate the size of the image, click on "Capture(R)" from the menu options. Then click on "Still Capture Size" which ranges from 2M to 20M. A smaller size file (2M) will give you a smaller picture than a larger size file (20M).

7. To take videos, click on Capture(R) menu bar. Then click on "Start Capture(S)" from the pull down menu. The video will record until "Stop Capture(S)" is clicked or for maximum of 30 seconds (default). To change the default record time, click on the "Record Time Limit(L)" and indicate record time.

To designate a location on your computer to store video files, click the "File(F)" from the menu bar, click on "Set Capture File Folder...(S)".

8. To change options on how pictures are taken, click on the "Options(O)" menu, then click on the "Video Capture Filter" then on general setting. This will give you the Properties page. (fig.2-1)

- If you want to flip a picture, you can check "horizontal flip" or "vertical flip". (fig.2-1)

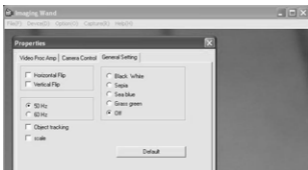


fig. 2-1

9. If you want a grid to show on the picture to estimate size and to be able to track changes in size over time, then click on "scale". (fig. 2-2)

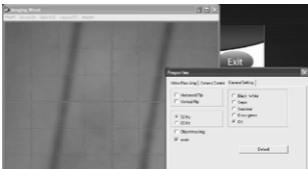


fig. 2-2

Troubleshooting:

- If you see the webcam view on the computer, then you may need to temporarily disable your webcam or video camera in order for the Digital Imaging Camera Wand to take priority.
- If your computer screen is black and you don't see any images, you will need to do the following:
 - On the menu bar, go to "Options(O)", and make sure "Preview(P)" is checked.

Note – If you don't have preview checked, you will not see an image on the screen.

- If you receive an error while installing the software notifying you that this product has not passed Windows logo testing, press "Continue Anyway" to complete the installation in order to use your digital imaging camera wand.

Specifications:

Sensor: BW101V (VGA), BW101S (2M)

Lens: 4P 3M resolution FF lens,

Cover Lens: 0.7 mm optical lens with film coating

Frame Rate: VGA mode 30f/s 600 Lux

Light source: 4 white LED lights

Brightness Control: on/off, auto w/b by software

Zoom: Sequence mode digital zoom

Interface: USB 2.0 STD

Operating System: Win98, XP, Vista & Win 7

Snap: Hardware & Software available

Unit size: 8.25" L x 1.25" W x 1.5" H or
21 cm L x 3.5 cm W x 4 cm H

Net Weight: 100 +/- 1 g

Power Supply: 5V (USB port)

Power Consumption: 60mA

Cable: USB 2.0 cable, 200cm

Cleaning and Maintenance:

- Keep the Digital Imaging Camera Wand clean and dry after use.
- If necessary, clean the wand before and after use. The wand is water resistant but it should not be soaked in water. It should be cleaned with a damp cotton cloth or with cotton swabs. Under no circumstances should abrasive cleaning products be used.
- The lens is made of high transmission glass coating. Please use professional lens cleaning paper or soft cloth to avoid lens surface scratching.

Caution:

- Avoid extreme temperatures, exposure to direct sunlight or excessive humidity.
- The camera lens is located on the tip of the camera wand. Do not touch the camera lens with your fingers.
- The warranty is voided if the camera wand is disassembled. Do not take the device apart.

Warranty:

90 day limited warranty against defects in material and workmanship at the time of original purchase by the consumer.

Thank you for your purchase!

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