Congratulations on your purchase of the IRIS camera. This manual will guide you step by step through the installation and setup of your new camera.

Powered by ELLY
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Safety Instructions

This symbol alerts the user that important literature concerning the operations and maintenance of this unit have been included. Therefore, it should be read carefully in order to avoid any problems.

<table>
<thead>
<tr>
<th>CAUTION</th>
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<tbody>
<tr>
<td>TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER MAINTENANCE TO QUALIFIED SERVICE PERSONNEL</td>
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<table>
<thead>
<tr>
<th>WARNING</th>
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<tbody>
<tr>
<td>TO PREVENT FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS DEVICE TO EXCESSIVE MOISTURE</td>
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<thead>
<tr>
<th>ATMOSPHERIC PRESSURE RANGE: 700-1060 hPa</th>
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<tbody>
<tr>
<td>TYPE BF WATER INGRESS PROTECTION: ORDINARY EQUIPMENT</td>
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<table>
<thead>
<tr>
<th>CAUTION</th>
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<tbody>
<tr>
<td>CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER COULD VOID THE WARRANTY</td>
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| MODE OF OPERATION: CONTINUOUS OPERATION ALTHOUGH THE UNIT WILL GO INTO STANDBY AFTER 20 MIN. OF NON-USE |

<table>
<thead>
<tr>
<th>ENVIRONMENTAL OPERATING SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Range</td>
</tr>
<tr>
<td>Operating: 10 °C to 40 °C (50 °F to 104 °F)</td>
</tr>
<tr>
<td>Storage: -40 °C to 70 °C (-40 °F to 158 °F)</td>
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<tr>
<td>Relative Humidity</td>
</tr>
<tr>
<td>Operating: 30% to 75% (non-condensing)</td>
</tr>
<tr>
<td>Storage: 10% to 100% (non-condensing)</td>
</tr>
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</table>
Cautions

Federal law restricts this device to sale by or on the order of a Licensed Dental practitioner.

Cautions on Safety

Be careful not to damage the USB cable. Be sure to hold the plug when disconnecting the cable.

Do not place a container with water or liquid, or any small metallic objects on this unit. If water, liquid, or any metallic object enters this unit, disconnect the USB cable immediately and contact Digital Doc.

If smoke, abnormal sound or smell occurs, disconnect the USB cable and contact Digital Doc.

When the unit is not in use for a long time, disconnect the USB cable.

Do not apply impacts to this unit

Cautions on Installation

Do not install this unit in a poorly ventilated place, a dusty place, an unstable place, or where soot or steam occurs.

Do not use this unit in high temperatures (higher than 40 degrees C) or at temperatures (lower than 0 degrees C)

Do not use in surgical theaters in hospitals where safety requirements are different from a standard dental clinic.

It is recommended the unit be turned OFF after 10 Minutes of use to prevent increase of temperature at L.E.D. head.

Cautions on Cleaning

Disconnect the USB cable before cleaning.

Do not wipe the surface using benzene, Dicide, thinner, or gluderaldihyde. As this may degrade the lens, or damage the handpiece material.

Lightly wipe off dirt on the cover and or lens with a soft cloth (i.e. flannel, 2x2, etc.)
Important Safeguards

Installation

- Read and follow Instructions - All of the safety and operating instructions should be read before the intraoral camera is operated. Follow operating and usage instructions.

- Retain instructions - The safety and operating instructions should be retained for future reference

- Heed warnings - Comply with all warnings on the camera and in the operating instructions

- This camera should be operated only from the type of power source indicated. USB 2.0

- Attachments - Do not use attachments unless recommended by the camera manufacturer.

- Do not use this camera near water.

**CAUTION**

MAINTAIN ELECTRICAL SAFETY. POWER LINE OPERATED EQUIPMENT OR ACCESSORIES CONNECTED TO THIS UNIT SHOULD NOT HAVE BEEN MODIFIED SO AS TO DEFEAT THE SAFETY FEATURES. THIS WILL HELP TO AVOID ANY POTENTIAL HAZARD FROM ELECTRICAL SHOCK OR FIRE. IF IN DOUBT, CONTACT QUALIFIED SERVICE PERSONNEL.
System Requirements and Software Compatibility

**Computer system requirements**
Refer to the minimum requirements of your imaging software
- 2 Ghz Pentium 4 processor
- 1 GB of RAM minimum, 2 GB or above recommended
- USB 2.0 interface with high power port
- CD-ROM or DVD drive
- Imaging Software
- Internet connectivity recommended
- Windows XP Professional or above with a minimum of Service Pack 2

<table>
<thead>
<tr>
<th>IRIS Compatible Imaging Software</th>
<th>OEM Versions of Apteryx</th>
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<tbody>
<tr>
<td>AbelDent</td>
<td>CliniView</td>
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<tr>
<td>Adstra</td>
<td>Dentimax</td>
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<tr>
<td>Aptery</td>
<td>Image DDS</td>
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<td>Cadi</td>
<td>Lightyear</td>
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<tr>
<td>Capture-Link</td>
<td>One View</td>
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<tr>
<td>CIEOS</td>
<td>SUNI Medical Imaging</td>
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<td>Cleardent</td>
<td>XL Dent</td>
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<td>DBS Win</td>
<td>X-Ray Vision</td>
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<td>Dental Vision</td>
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<td>DentiMax</td>
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<td>Dentrix Image 4.5</td>
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<td>Dent-X Pro Image</td>
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<td>Dexis</td>
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<td>Dimaxis Pro</td>
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<td>Dolphin</td>
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<td>Eaglesoft</td>
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<td>Easy Image</td>
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<td>Genesis</td>
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<td>Image FX</td>
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<td>Image XL</td>
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<td>Image DDS</td>
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<tr>
<td>Kodak Digital Imaging</td>
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<tr>
<td>Mogo</td>
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<tr>
<td>OMS Vision</td>
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<td>Patient Gallery</td>
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<td>Patterson Imaging</td>
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<td>Romexis</td>
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<td>Schick CDR</td>
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<td>Sidexis</td>
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<td>TDO</td>
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<tr>
<td>VixWin Platinum</td>
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<td>VixWin Pro</td>
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<td>Tiger View</td>
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<td>Tracker</td>
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<tr>
<td>Visora</td>
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<tr>
<td>XDR Digital Radiography</td>
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<td>Visix</td>
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START HERE

Installing the IRIS Camera Driver

Step 1: The first step in the installation is to determine if you are using a 32 or 64 bit operating system.

1 Select Start from the left or top of your task bar.

2 RIGHT click on Computer and select Properties.

3 Computer information

This page will show either 32-bit or 64-bit under system type.

You will also find system requirement information on this page for available RAM and processor type as well as speed. This information will be used to confirm system requirements.

4 Record your operating system, processor type, and RAM below for use in future steps

- [ ] 32-bit
- [ ] 64-bit

**Processor type**

**RAM**

5
Installer Setup 1

Step 2: Insert the driver disc from the side panel of this manual into your CD drive.

Step 3: Browse to your CD ROM drive and choose either the 32-bit (X86) or 64-bit (X64) driver file and double click to open. Refer to the previous page if you do not know the version of your operating system.

Step 4: If the User Account Control screen appears choose Yes.

Step 5: Choose Next from the welcome screen.
Step 6: Accept the terms in the License Agreement and then choose Next.

Step 7: Confirm the location to install the driver and then choose Next.

Step 8: Select the Software you will be using to view images from the camera and then choose next. If your Software is not listed please contact Digital Doc 1.800.518.1102.

Step 9: Choose Install after confirming your Software selection.
Installer Setup 3

If at any point during the installation a “Windows Security” prompt appears, select Continue Anyway (Win XP) or Install (Win 7)

**Step 10:**
Choose Next once the Status bar has filled and the drivers have transferred

**DO NOT** close any command / DOS screens during the installation
Step 11: Upon completion of the installation, your camera is now ready to connect to the computer. Choose OK.

Step 12: With the drivers now loaded select the “View Readme” box to be directed to the Digital Doc website for setup instructions on your specific software.

Along with the camera driver package you will now have a file under All Programs called Digital Doc. This file contains utilities for testing the camera as well as refresh and restart services.
Step 1:
Connect the included 4 port powered hub to an available USB 2.0 port on the computer. Next connect the hub power supply from the hub to wall power. When the power to the Hub is connected correctly the blue indicator light will be illuminated.

Step 2:
Plug the camera cable into an available USB 2.0 port on the powered hub.

Step 3:
Plug the camera cable into the IRIS handpiece. When attached, the camera status light will blink green. To turn the camera on press the power button.

Please note that with Windows XP installs the camera drivers are port specific. If the camera is moved from one port to another on either the computer or hub you will have to run the “refresh driver” utility from the Digital Doc program.
When connecting the camera to Windows XP machines for the first time, some users will see the “New Found Hardware Wizard”. If this occurs please follow the steps below.

**Step 4:** From the dialog box choose No, not this time then Next

**Step 5:** From the second screen choose Install Automatically then Next

**Step 6:** Select Next after the Hardware Wizard discovers the Digital Doc IRIS Driver

**Step 7:** If the Windows security box appears choose Continue Anyway

**Step 8:** When the installation is complete choose Finish

It is recommended that upon completion of this step you refresh the driver by choosing, START - ALL PROGRAMS - DIGITAL DOC - UTILITIES - REFRESH DRIVERS
The IRIS Handpiece

(8) True Spectrum L.E.D.'s and glass prism

Soft Acrylic Tip

Stainless Steel front housing

Dual Capture Switches

Focus Wheel

Light On / Off Switch

Camera status indicator light

On / Off Power Switch

Snap lock

Mini USB 2.0 Connector

The IRIS handpiece is NOT submersible and should be cleaned with an isopropyl alcohol only. Do not use any abrasive cleaners such as Glutaraldehyde or Discide.

The IRIS camera will automatically shut off after 10 Minutes, if the camera is left idle.

Mirror / Anatomic Image

With the camera unplugged, press and hold both the power and light button. Plug the USB cable into the camera, while holding the buttons. The LED’s will flash. Unplug the camera and then plug it back in. The image will now be flipped.
Focusing and Camera Controls

Please see the Practice Software section of this manual for capture information.

Focus Positions

The Light ON / OFF feature can be used to take images of X-rays that are back-lit. It is recommended that the camera be turned OFF when not in use.

- **Position F** - Full Face
- **Position S** - Smile
- **Position 2** - 2 Surface
- **Position 1** - 1 Surface
- **Position M** - Macro

It is normal for the handpiece to be warm while in use. Heat is a factor in any electronic device. It is recommended that the IRIS camera be turned OFF when not in use and not exceed continued use of more than 10 Min.

- Turns the lights of the camera ON and OFF
- Blinking green shows that the camera is in standby mode
- Turns the camera power ON and OFF
The IRIS Sheaths

The IRIS camera will come with a sample pack of sheaths. These sheaths are designed for intra-oral use only.

When applying the sheaths, slide the handpiece with the LED's facing down under the white flap. Push the handpiece in until the end of the sheath is taut, then peel away the top blue layer and the bottom paper layer. It is recommended that you use the bottom paper layer, or a gloved hand to press the sheath against the lens for approximately 3 seconds.

It is important that the lens portion of the IRIS camera not be cleaned with any abrasive materials and or chemicals.
IRIS Camera Accessories

- **USB Cable with adapter**
  - 15 Ft.
  - Part Number: CA0050

- **USB Extension Repeater Cable**
  - 16 Ft.
  - Part Number: CA0047

- **USB 2.0 Powered Hub**
  - Part Number: 4011565

- **USB Cable with adapter**
  - 6 Ft.
  - Part Number: CA0052-B

- **Handpiece Cradle**
  - Part Number: AS0125

- **Protective Sleeves**
  - 1 Box (500 units)
  - Part Number: SH0004

- **DigiWipe Camera Cleaners**
  - Part Number: SH0005

- It is not recommended to use more than 1 active repeater in line

1.800.518.1102
Trouble Shooting the IRIS Camera

Note: Most issues that arise with video and or capture are a result of drivers in the wrong location or a camera that has been moved to a new USB port. The steps below will walk you through the Driver Refresh program for recovery of these systems. If your issue is not resolved please contact Digital Doc at 1.800.518.1102

Choose START, All Programs. Select Digital Doc, Utilities. Under Utilities select Refresh Drivers.

Upon refreshing the drivers a Command window will appear and dismiss on it’s own. Windows XP users will need to select “Continue Anyway” from the Windows Security prompt.
Warranty, Tech Support & Repair Procedures

Digital Doc LLC agrees to guarantee parts and labor for each IRIS camera purchased by the doctor for the term of two years from the date of purchase, when used in accordance with manufacturer’s instructions. In the event a product is returned by the dealer, or the end user, and the warranty has expired, Digital Doc LLC reserves the right to collect a reasonable fee from the end user for services mutually agreed upon.

Digital Doc LLC does agree to replace any defective camera, free of charge, during the first ninety (90) days from the date of purchase. After the first ninety (90) days, Digital Doc LLC, will repair under warranty the defective item and pay the shipping to return the repaired item to the customer. The customer will be responsible for shipping charges to Digital Doc. If the customer elects to ship the product three-day economy, Digital Doc LLC, will return-ship in the same manner. Further, if the customer elects to ship the product overnight, Digital Doc LLC will reciprocate in the same manner.

Digital Doc LLC will require the end user to phone the Technical Service Department at 800.518.1102. Please have your camera serial number ready prior to contacting Technical Support. Once the cause of the failure has been determined, Digital Doc LLC will issue a "Return Merchandise Authorization" (RMA) number to be written clearly on the outside of the package in which the item is shipped. Items shipped to Digital Doc LLC without the RMA written on the outside of the package will be returned to the customer at their cost. No items will be received for warranty or non-warranty work without the RMA number printed clearly on the package. All non-warranty repairs will need a credit card, or some form of payment prior to the repair work being authorized.

If your repair is deemed under warranty, Digital Doc LLC agrees to repair or replace the item, at Digital Doc’s discretion. The item will then be shipped to the person, or persons whose name appears on the shipping label. All non-warranty repairs will be billed at $135.00 (USD) per hour plus parts. All refusals to authorize non-warranty work will be subject to a one-hour minimum charge. Loaner units are not available.