



ImageMaster USB **Intraoral Camera** **User Guide**

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ImageMaster Intraoral Cameras

Replacement parts:

ImageMaster Sheaths	PN: 90-1046	Quantity, 500
ImageMaster USB cable	PN: 98-2268-2	Quantity, 1
ImageMaster USB hand-piece holder	PN: 98-2216	Quantity, 1

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Warning!

- **To prevent fire or shock hazard**, do not expose the camera to rain or in moisture conditioned areas.
- **High Powered Magnet** are located inside handpiece holder – do not place near magnetic media, electronic appliances, or anything that can be affected.
- **Do not use CaviWipes or solutions with iodine on any plastic parts.**
- **No user serviceable components.** Refer servicing to Imagin Systems.
- **Keep away from children.** This is a precision instrument, handle with care

Warranty

Our standard warranty covers all parts and labor for a period of two years from the date of shipment for the ImageMaster USB camera only. Warranties do not cover damage due to mishandling, abuse or neglect by customer of equipment purchased. Customer is responsible for all shipping costs for warranted items. This warranty includes all, but only those items stated above and does not cover any loss of income from downtime. No other expressed or implied warranty beyond that which is stated herein.

Introduction

The ImageMaster USB intraoral camera is a Microsoft UVC 1.0 compatible dental intraoral camera. It requires a PC with Microsoft Windows-XP (SP3), Vista, 7&8 and an available USB 2.0 port. Also works in most Mac OSs.

Installing your ImageMaster USB system:

You should have received a box containing the ImageMaster USB hand-piece, hand-piece holder, USB cable and hand-piece sheaths.

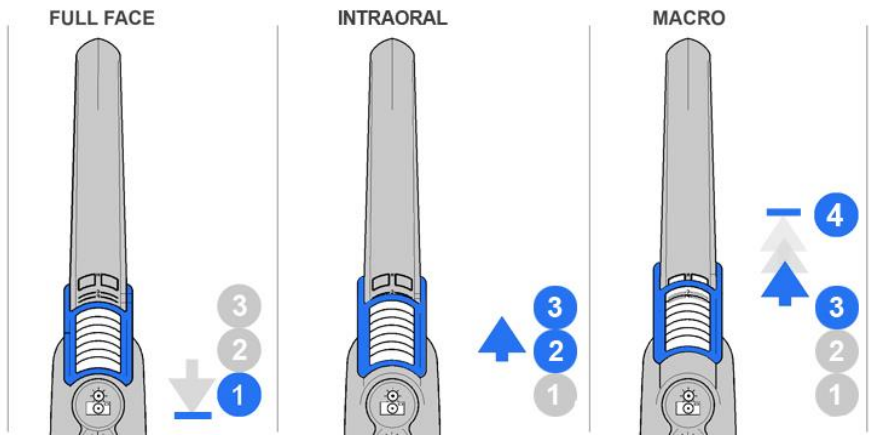
Installing your ImageMaster USB camera is simple. With Windows-7, Vista Windows XP (**Note:** XP requires SP3 or later), just plug the ImageMaster USB cable into the hand-piece (making sure this is plugged in all the way) and then the other end into a **USB 2.0 port** on the computer system. The computer's operating system will find a new device and automatically install the required software (note the lower right corner of the screen), after a bit the installation will say the "USB device is ready for use". Now depending on the practice management or image capturing software you are using, it will require some configuration to select this camera. See the installation instructions that we provided for that software or go on line to our website support.

ImageMaster USB Hand-piece Operations:

The camera's hand-piece has two basic controls, a focus control and button controls for activating the camera's electronic features. The focus control is a noticeable Slider Ring located in the mid area of handpiece (note diagram below) and two keypads that are located both top and bottom. A four button keypad is located on the top and a single button keypad is located on the bottom. Both top and bottom buttons have featured feel nipples for the capture buttons only, this give you a feel I.D. without having to look at the handpiece to find the right button to perform a capture event (note: button action depends on software). 3 additional buttons on top only, controls: Light, Video Modes, Arrow and Image orientation. These operational descriptions are noted below (Note: buttons only function while the hand-piece is removed from the holder).

Controlled Focus Ring: The Controlled focus ring motion slides forward and back. It is accessible from all sides of the camera allowing easy focus control from any hand held position. The slider ring also has detents that help CONTROL you and leads you from a Full-Face down to a single tooth, if a Macro or Super close up is needed then push slider ring harder forward through a stronger detent, now you can adjust as needed to get a macro image. As you become more familiar to the focal points, you will find a position that generally works for you and you can just leave it there.

IMAGEMASTER 3 ZONE FOCUS CONTROL



Key Location

	Top	Bottom	Function
Capture			(Captures still image to PC)
Light			(NORMAL, bright, dim, off)
Mode			(COLOR, B&W, color neg.)
Arrow			(< 2 sec. arrow on/off, >2 sec. mirror/normal)

Capture button: Captures a still image to PC, how this functions depends on the capturing software and how its settings are set (i.e. push once; capture and save).

Light button: Changes the light brightness; upon replacing the hand-piece to the holder it defaults to normal brightness mode. Each pressing the light button changes the light level (bright, dim, off, back to normal).

Video Mode button: Changes the image mode; upon replacing the hand-piece to the holder, the image defaults to color normal. Pressing the button once the image goes black & white (monochrome). Pressing again image goes into a Translucence Mode, Pressing again the image goes back to color normal.

Arrow button (Less-than 1 second): Pressing the button toggles the on screen arrow (on/off). Note: there's no default state; it restores the last setting.

Arrow button (More-than 3 seconds): Pressing the button for more than three seconds will toggle the image left-to-right (mirror/normal). Note: there's no default state; it restores the last setting.

Applying a Sheath (Intraoral Camera):

Although OSHA standards state that a camera can be disinfected with the solution of your choice, patients and doctors prefer the use of sheaths for all asepsis concerns. If using sterile-wipes (do not use CaviWipes or solutions with Iodine) and disinfectants, **dry off the camera** after their elapse processing time is complete.

- A. Align the camera with the light facing down toward the paper on the sheath. The camera slides between the bottom of the sheath and the white tab.
- B. Slide the camera all the way to the end of the sheath until it releases from the wrapper. This will ensure a good tight fit.
- C. Next peel away the paper from the top to ensure that no wrinkles are created in the process. If a wrinkle does occur simply push down on the tips face to cling sheath to the face of the lens.

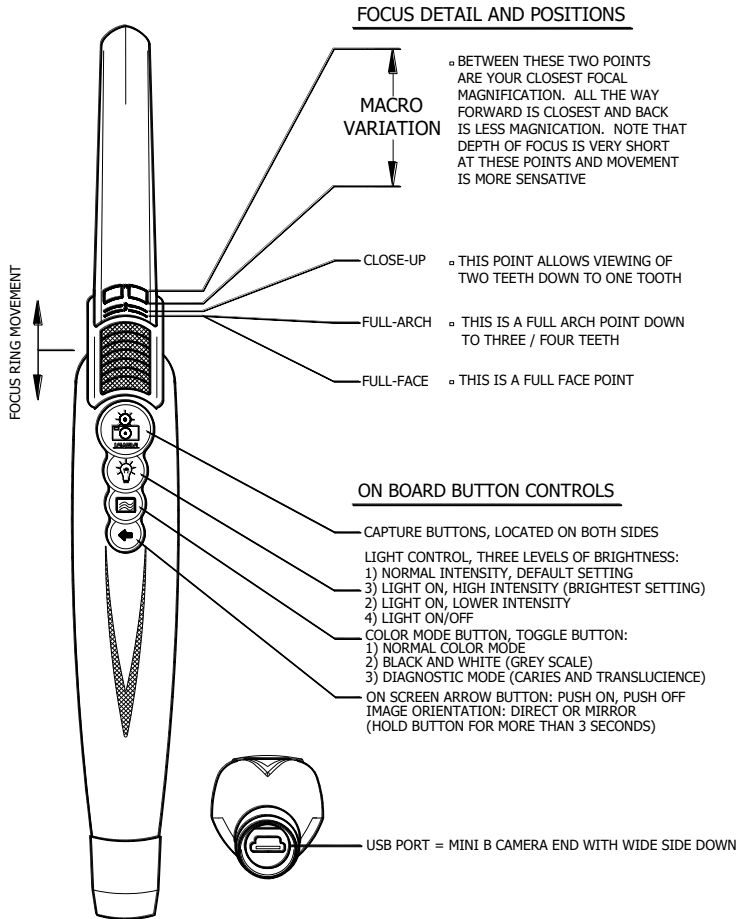


Note: If you chose to forgo the sheath and disinfect between patients – **DO NOT USE SOLUTIONS CONTAINING IODINE.** This will stain the camera and is not covered by your warranty.

Product Specifications:

Equipment Model	ImageMaster USB
Width & height of Hand-piece	24.5 mm (1.00 inches)
Length of Hand-piece	230 mm (9.00 inches)
Resolving Power	200 LP/mm
Angle of View	80°
Direction of View	90° to hand-piece center
Focal Range	1mm to infinity
Sensor	1/3" CMOS, High-resolution color (752x480)
Power	USB port (<500ma)
Length of Hand-piece cable	6 feet
Connection	USB Type-A connector

ImageMaster USB IntraOral Camera



EVERYONE AT IMAGIN THANKS YOU FOR YOUR TRUST IN US AND FOR PURCHASING ONE OF OUR PRECISION PRODUCTS WE BUILD HERE IN THE USA.

PLEASE ALSO REMEMBER THAT WE DO STAND BEHIND OUR IMAGEMASTER PRODUCTS AND THAT WE SERVICE THIS PRODUCT THROUGHOUT ITS LIFETIME!

THANK YOU!