










Brand Name of Product	USB Microscope
Generic Name of Product	USB Microscope
Product Code Number(s)	MICR007
Intended Use	To visually inspect instruments once they have been reprocessed. The microscope allows you to magnify up to 270x to ensure that instruments have been cleaned and are in good working order. The software allows you to capture still and video images when inspecting the instruments.
Range of Applications for Product	Surgical instruments that require visual inspection.
Key Specifications of Product	<ul style="list-style-type: none"> • LENS & CMOS Sensor: 2 M Pixels • Magnification Ratio: 5x – 270x • Light Source: 6 pcs of white LEDs • Minimum USB 2.0 High-Speed Transmission • Dimension: 165mm (L) x 8mm (D) • Device Platform: Microsoft Windows XP 32bit SP2, Microsoft Windows XP 64bit, Microsoft Windows Vista 32 bit, Microsoft Windows Vista 64bit, Windows 7 and Windows 8.1 Professional.

Shipping & Storage

Shipping Conditions & Requirements	
Storage Conditions	
Packaging Conditions	
Shelf Life	

Instructions for Using Product

Description of Use (s)	To help ensure quality control for the CSSD by visually inspecting reprocessed instruments.		
Preparation for Use	For product support please call 800-521-6224 ext. 6657 or email hmit@hmark.com to schedule a call between your IT department and the Healthmark Help Desk.		
Diagrams (drawings, pictures)	 <p>1)</p>	 <p>2)</p>	 <p>3)</p>
	 <p>4)</p>	 <p>5)</p>	 <p>6)</p>
	 <p>7)</p>	 <p>8)</p>	 <p>9)</p>



10)



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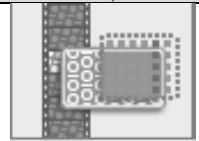
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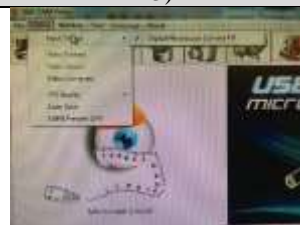
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Steps for Use of Product

- 1) Open the box and be sure that all of the parts are included (LENS & CMOS Sensor with built in light source, USB drive and microscope stand).
- 2) Place USB drive stick in your PC port to install software.
- 3) A screen will pop up. Click on "Open folder to view files" and then click on the "Install folder.
- 4) Next click on the "Setup" folder. A welcome screen will pop up. Click the Next button to continue.
- 5) The next screen that pops up will identify where on your computer the installation will be. If you would like to change the location of the software click the Browse button to your right. To continue click the Install button. After installation is complete click the "Finish" button and remove USB stick from the PC port.
- 6) To launch the software double-click the UM07 icon. When launched, the window will show a camera window to preview images and a task bar to execute different functions of the microscope camera.
- 7) The task bar is located along the top of the screen.
- 8) This is the connect icon, which allows you to connect and disconnect to a microscope camera.
- 9) This is the snapshot icon: press the button to capture image from video preview window. The still image will be displayed in the window.
- 10) This is the save image icon. Select this option when saving and storing in the images preview window. When pressed, a screen will pop up. Click on the folder you want the image saved in and rename the file. The image will be saved as a JPEG.
- 11) This next icon is for the edit image function. Click on the button to enter several options of tools to edit pictures.
- 12) This is the delete image icon. When selected, this will delete the image.
- 13) This is the video record option. When pressed a screen will pop up for you to select a folder for your video to be saved. Once you click the "Save" button your video will start recording in the window preview. When the icon is clicked again it will stop recording. The video is saved in the folder you selected earlier.
- 14) This icon will allow you to play the video that you recorded. Playing files will be displayed in window preview.
- 15) This is the image process icon. By selecting this tool it will allow you to use image processing including reversed video, grey scale, black and white, edge detection and other basic functions.
- 16) This is the print image icon. Select this button when printing images displayed in the preview window.
- 17) This is the exit application icon. By clicking this button. You will exit the application.
- 18) Plug in the USB Microscope cable from the camera into your PC USB port.
- 19) When assembling the stand, start with the microscope stand arm that adjusts the microscopes height.
- 20) Place camera holder onto the microscope arm.
- 21) Screw on the end bolt that will secure the camera holder in place.
- 22) Next screw on the microscope arm to the base. Be sure that the arm is firmly tightened to the base. This will ensure the microscope will have the best possible focus on an object.
- 23) Insert the camera through the holder into the desired position.
- 24) Screw in bolt into the holder to secure camera in place.
- 25) Microscope stand is now assembled and ready to use.
- 26) Preview image window will now display the image of object that is on camera. If the camera isn't showing an image on the screen click the "Setting" button in the upper left hand corner. Click Input Device and then click on the Digital Microscope Camera

	<p>button that comes up to the right.</p> <p>27) The microscope has a focus wheel located on top. Magnification is determined by the distance of the microscope to the object to be viewed. Use the focus wheel to bring the image into focus. The distance to the object viewed can be controlled by sliding the microscope up and down in the mounting hole. Fine tune adjustments can be controlled by turning the adjustment wheel on the camera stand.</p> <p>28) By pressing the button on the camera cord, you will instantly be able to take a snap shot photo.</p> <p>29) By adjusting the LED light control wheel, you can control the amount of light coming through the light source.</p> <p>30) Place object that you are examining under the microscope for observation. It is recommended to with the microscope as close as possible to the object and adjust farther away until preferred magnification view is received.</p> <p>31) Use the preview window on your computer monitor to view image you are observing.</p>
Interpretation of Results	
Contraindications of Test Results	
Documentation	Warranty: 12 months from shipping date.
Special Warnings and Cautions	Do not use the other extension USB cable or transmission line
Disposal	

Reprocessing Instructions	
Point of Use	
Preparation for Decontamination	
Disassembly Instructions	
Cleaning – Manual	<p>Use ethyl alcohol to clean the camera lens. Don't use steam.</p> <p>For Cleaning Compatibility click here:</p>
Cleaning – Automated	
Disinfection	Use ethyl alcohol to clean the camera lens. Don't use steam.
Drying	
Maintenance, Inspection, and Testing	
Reassembly Instructions	
Packaging	
Sterilization	
Storage	
Additional Information	

Related Healthmark Products	
Other Product Support Documents	
Reference Documents	ProSys™ Brochure, ProSys™ Price List
Customer Service Contact	<p>Healthmark Industries Company, Inc 33671 Doreka Fraser, MI 48026 1-586-774-7600 healthmark@hmark.com hmark.com</p>

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