

USB Microscope		
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MICR008, MSTN-001		
To visually inspect items after decontamination. The microscope allows magnification up to 230x (depending on working distance) with natural color technology providing colors true to their original appearance to ensure items have been cleaned/are in good working order.		
To visually inspect items after decontamination.		
USB Microscope		
<ul> <li>Body material: ABS plastic</li> <li>LEDs: Eight (8) White</li> <li>Magnification range: 10–50x, 230x</li> <li>Working distance: Standard</li> <li>Lens type: Glass</li> <li>Image save formats <ul> <li>(Windows)- WiBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX</li> <li>(Mac OS)- JPEG, PNG</li> </ul> </li> <li>Video save formats: (Windows) WMV, FLV, SWF</li> <li>Compatible with FIS-007 software.</li> <li>Software Operating Systems <ul> <li>Windows XP, Vista, 7, 8, 10, 11</li> <li>Mac OS 10.5+.</li> </ul> </li> <li>Connection: USB 2.0</li> <li>Imaging standards: DirectShow, UVC</li> <li>Sensor type: CMOS</li> <li>Megapixels: 0.3 MP</li> <li>Resolution: 640- x 480 pixels</li> <li>Frame rate: 30 FPS</li> <li>Dimensions (L x D): 10.5- x 3.2 cm (4.13- x 1.26 inches)</li> <li>Weight: 105 g (3.7 ounces)</li> <li>USB cable length: 182 cm (71.65 inches).</li> </ul> <li>Microscope Stand <ul> <li>Compact, portable dual fine adjustment stand.</li> <li>Dimensions <ul> <li>Base: 5.6- x 3.5 inches</li> <li>Assembled: 5.5- x 4.2 inches</li> </ul> </li> <li>Material: Metal</li> <li>Provides smooth, vertical adjustment positioning.</li> <li>Anti-slip base</li> <li>Stable ergonomic design.</li> </ul> </li>		

Shipping & Storage		
Shipping Conditions &	N/A	
Requirements		
Storage Conditions	MICR008	
	• Keep out of direct sunlight and moisture.	
	• Storage temperature range: < 70 °C.	
	• Internal electronic components: -10- to 55 °C (14 °F to 131 °F).	
	• External housing: -10- to 70 °C/80 °C (14- to 158 °F/176 °F).	
	• USB cable: -20- to 80 °C (-4- to 176 °F).	

Packaging Contents	Microscope, cables
Shelf Life	MICR008: Two (2)-year warranty.
	Microscope stand: One (1)-year warranty.

Instructions for Using	g Product
Description of	To help ensure quality control for the Central Service Sterile Department (CSSD) by enhancing visual
Use(s)	inspection of decontaminated items.
Preparation for Use	Software Installation (Note: Parform this section only once when connecting the second to the computer for the first time)
	(Note: Ferform this section only once when connecting the scope to the computer for the first time.)
	<ul> <li>Install the Elevible Inspection Scope<sup>TM</sup> software from the USB flash drive on a computer</li> </ul>
	<b>Note:</b> Contact your IT Dept if any IT policies may block the installation for the Healthmark Scope Viewer
	1. Insert the USB Flash drive into your computer, and double click on the <i>Healthmark Scope Viewer</i> installer package to begin installation.
	→ V → → → Manage USB Drive (£) - □ ×
	← → ▼ ↑ → USB Drive (E) ✓ ♂
	Name Date modified Type Size
	★ Quick access 16 Healthmark Scope Viewer - Local Mode 0 6/7/2021 12:05 PM Windows Installer 32,420 KB
	Desktop *
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	FIS-007
	St Iray Systems
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	1 item   1 item selected 31.6 MB
	2. Click <i>Next</i> on the "Welcome" pop up.
	🛃 Healthmark Scope Viewer Setup 🛛 🗙
	Welcome to the Healthmark Scope Viewer Setup Wizard
	-29
	The Setup Wizard will install Healthmark Scope Viewer on your computer. Click "Next" to continue or "Cancel" to exit
	the Setup Wizard.
	< Back Next > Cancel
	3. Select <i>Typical</i> or setup type of your choice, and click <i>Next</i> .

Healthmark Scope Viewer Setup X
Choose Setup Type
Choose the setup type that best suits your needs
Typical
Installs the most common program features. Recommended for
most users.
Custom
Allows users to choose which program features will be installed
users.
Complete
space)
Advanced Installer
< Back Next > Cancel
lick Install and wait for installation to complete.
😸 Healthmark Scope Viewer Setup 🛛 🕹
Keady to Install
The Setup Wizard is ready to begin the Healthmark Scope Viewer installation
Click "Install" to begin the installation. If you want to review or change any of your
installation settings, click "Back". Click "Cancel" to exit the wizard.
Advanced Testaller
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Next, Click Finish.
🛃 Healthmark Scope Viewer Setup 🛛 🕹
The Healthmark Scope Viewer
Setup Wizard was interrupted
-27 I
Healthmark Scope Viewer setup was interrupted. Your
system has not been modified. To install this program at a
· · · · · · · · · · · · · · · · · · ·
Click the "Finish" button to exit the Setup Wizard.
< Back Finish Cancel
ING SOFTWARE & CONNECTING SCOPE TO PC:
Open the Windows PC viewer software.
Connect the MICR008 to the PC using the USB Cable.
In the viewer software:
a. Click Settings and Select USB Video Device
b. Choose desired resolution
i. Select the preferred Video Output Format
ii. Click OK.
Now you can start using the MICR008.
Software
nark Scope Viewer Software (Fig. 1).
1. <i>Capture button</i> : Captures a Reference Image and saves it to the Reference Image folder.
2. <i>Main Image Window</i> : Displays the image from the camera.
3. <i>Reference Image Window</i> : Displays a reference image.
4. <i>Clear Button</i> : Removes the image from the Reference image window.
5. Open Reference Image button: Allows you to select a reference image from the Reference
Image folder.
6. Settings Button: Click to select the video camera and resolution settings.
7. <i>File Location Button</i> : Click to change location where captured images are being saved.
8. <i>File Location Window</i> : Shows the file path where captured images are being saved currently.
9. Capture Image Button: Captures images and adds them to the File Location selected by the
user (as shown in the File Location Window).
10. Capture Video button: Click to record video. Click again to stop recording video.
11. File Prefix: Type in text that you would like included in the file name of Captured Images.



File Location C: \Users\slatta\Scope Viewer	File Prefix		
	Figure 3		
Note: When an image is captured, "Image Cap screen and a new file will appear in the Files L	tured" in red text ocation.	will flash on the	lower portio
Capturing Video Images			
Follow the instructions below for capturing vide	eo from the Main	Image Window.	$\backslash$
1. Select the <i>Capture Video</i> Button. (Fig	<b>4).</b>		<b>\</b>
Settings		Capture Image	Capture Vide
File Location C:\Users\slatta\Scope Viewer	File Prefix		
	Figure 4		
2. When the video is recording "Recording software window.	ng" in red text	will appear towar	d the bottom
3. To stop recording, click <i>Stop Capture</i> .	(Fig 5).		
Recording			
Settings		Capture Image	Stop Ca
File Location C:\Users\slatta\Scope Viewer	File Prefix		
	Figure 5		
<ul> <li>ollowing the steps below allows you to create ile names save to the File Location specified by</li> <li>1. Click the field next to File Prefix.</li> <li>2. Enter the characters you would like to</li> </ul>	a <i>file prefix</i> that y y the user. be included in th	will appear after t e file name. ( <b>Fig</b> Capture Image	<ul> <li>6).</li> </ul>
File Location	File Prefi:	Kochester Forceps	·I
Setting Location for Saved Files Following the steps below allows you to set the oftware.	<b>Figure 6</b> file location of s ve captured image	aved images usin es. ( <b>Fig 7).</b>	g the Scope
2. Select the file location you want to sav			Caster
<ol> <li>Select the file location you want to sav</li> <li>Settings</li> </ol>		Capture Image	Capture
2. Select the file location you want to sav           Settings           File Location             C:\Users\slatta\Scope Viewer	File Prefi	Capture Image X Rochester Forceps	Capture



	2. Place the vertical stand pole into the base and secure the bolt.
	3. Adjust via the fine adjustment (scope knobs) to the desired height.
	4. Loosen the bolt, set the MICR008 into the holder ring to desired position, and secure the bolt.
	Note: Do not over-tighten the holts
	Note: Do noi over-ugnen me oous.
	MICR008
	1. Place the MIR008 into holder to the desired position (be sure not to block the adjustable magnification wheel area) and secure the bolt
	2 Use adjustable magnification wheel to view items accordingly
	2. Obea dilustation magimination where to view terms accordingly.
	5. Frace term on the stand's base under the MICK008.
	4. Adjust using the stand's fine adjustment knobs to the proper height and use the adjustable
	magnification (in increments of five [5]) for visualization of the item.
Interpretation of	N/A
Test Results	
Contraindications	N/A
of Test Results	
Documentation	N/A
Special Warnings	MICR008
and Cautions	Due to internal adhesive, it is not recommended to use in an environment over 70 °C.
Disposal	N/A
L	

Reprocessing Instructions	
Point of Use	N/A
Preparation for Decontamination	N/A
Disassembly Instructions	N/A
Cleaning – Manual	• Wipe the lens with an IPA wipe.
	• Wipe the stand with an IPA wipe.
	For Cleaning Compatibility <u>click here:</u>
Cleaning – Automated	N/A
Disinfection	For Cleaning Compatibility <u>click here:</u>
Drying	N/A
Maintenance, Inspection, and	N/A
Testing	
<b>Reassembly Instructions</b>	N/A
Packaging	N/A
Sterilization	N/A
Storage	MICR008
	Keep out of direct sunlight and moisture
	• Storage temperature range $< 70 ^{\circ}\text{C}$
	• Internal electronic components: -10- to 55 °C (14- to 131 °F)
	• External housing: -10- to 70 °C/80 °C (14- to 158 °F/176 °F)
	• USB cable: -20- to 80 °C (-4- to 176 °F)
Additional Information	N/A
<b>Related Healthmark Products</b>	N/A
Other Product Support	ProSys <sup>TM</sup> Brochure, ProSys <sup>TM</sup> Price List
Documents	
<b>Reference Documents</b>	N/A
Customer Service Contact	Healthmark Industries Company, Inc.
	18600 Malyn Blvd.
	Fraser, MI 48026
	1-586-774-7600
	healthmark@hmark.com
	hmark.com