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ZTBH EIINPAQNI-WO3

ZTBH Digital USB Microscope User Manual

Model: EIINPAQNI-WO3

Introduction

This manual provides comprehensive instructions for the ZTBH Digital USB Microscope, Model EIINPAQNI-WO3. It covers product features, setup, operation, maintenance, and troubleshooting to ensure optimal use of your device. This portable digital microscope offers a magnification range of 50x to 1000x, making it suitable for various observation and inspection tasks.

Product Features

- **Magnification:** 50x-1000x adjustable zoom.
- **Illumination:** 8 SMD3528 bright white LED lights with adjustable brightness.
- **Focusing:** Manual adjustment with a focusing range of 0 to 40mm.
- **Imaging Distance:** 3mm to infinity.
- **Video Resolution:** Supports 640x480, 1280x720, and 1920x1080.
- **Connectivity:** USB interface for connection to computers.
- **Design:** Handheld and portable with a flexible curved tube stand.
- **Applications:** Suitable for textile inspection, insect anatomy, educational research, skin detection, and general object observation.



Image: Microscope Components. This image displays the key parts of the microscope, including the LED brightness adjustment dial, photo button, focusing roller, 8 LED lights, and the curved tube stand.

Package Contents

Verify that all items are present in the package:

- Digital USB Microscope Unit
- Adjustable Stand
- USB Connection Cable
- Software CD (or download instructions)
- Lens Protection Cover
- User Manual



Image: Package Contents. This image shows the digital microscope, its stand, USB cable, software disc, and a small bag of accessories, all packaged in a retail box.

Setup

1. **Assemble the Stand:** Insert the microscope unit into the holder on the flexible curved tube stand. Ensure it is securely fastened.
2. **Connect to Computer:** Plug the USB cable into the microscope's port and then into an available USB port on your computer.
3. **Install Software/Drivers:** Insert the provided software CD into your computer's CD-ROM drive and follow the on-screen instructions to install the necessary drivers and viewing software. If no CD is provided, refer to the manufacturer's website for software downloads.
4. **Initial Power On:** Once the software is installed, launch the application. The microscope should be detected automatically.



Image: Microscope Unit with Stand. This image displays the digital microscope attached to its flexible stand, ready for use, with a '1000x' magnification indicator and a WiFi symbol.

Operating Instructions

1. **Launch Software:** Open the installed microscope viewing software on your computer.
2. **Place Specimen:** Position the object you wish to observe directly under the microscope lens. Ensure the lens protection cover is removed.
3. **Adjust Focus:** Rotate the focusing roller on the microscope body until the image on your computer screen is clear and sharp. The optimal imaging distance is between 3mm and infinity.
4. **Adjust LED Brightness:** Use the LED brightness adjustment dial to control the intensity of the 8 built-in LED lights, providing optimal illumination for your specimen.
5. **Capture Images/Videos:** Press the 'Photo' button on the microscope body or use the capture function within the software to take still images or record video footage.
6. **Change Magnification:** The magnification can be adjusted by moving the microscope closer or further from the object and then refocusing, or through digital zoom features in the software.



Image: Microscope in Use. This image illustrates the microscope positioned over a surface, with inset images showing magnified views of human skin and a leaf, demonstrating its observation capabilities.



Image: Multifunctional Applications. This image shows various items that can be observed with the microscope, including a PCB, sweater fabric, a butterfly, leaves, insects, and coins, highlighting its versatility.

Maintenance

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the microscope lens. Avoid using abrasive materials or harsh chemical cleaners.
- **Cleaning the Body:** Wipe the microscope body with a soft, dry cloth. If necessary, a slightly damp cloth can be used, but ensure no moisture enters the device.
- **Storage:** Store the microscope in a clean, dry environment, away from direct sunlight, high temperatures, and excessive humidity. Always replace the lens protection cover when not in use.
- **Avoid Impact:** Handle the microscope with care to prevent drops or impacts that could damage internal components.



Image: Lens Protection Cover. This image shows a hand placing or removing a clear plastic cover over the microscope's lens, emphasizing the importance of lens protection.

Troubleshooting

Problem	Possible Cause	Solution
No image on screen	USB connection loose; Software not installed or running; LED lights off.	Check USB cable connection; Ensure software is installed and launched; Adjust LED brightness dial.
Image is blurry	Improper focus; Incorrect working distance.	Rotate the focusing roller to sharpen the image; Adjust the distance between the lens and the object.
Software not detecting microscope	Driver issue; Faulty USB port.	Reinstall the software/drivers; Try connecting to a different USB port on your computer.
Image is too dark/bright	LED brightness setting is incorrect.	Adjust the LED brightness dial on the microscope body.

Specifications

- **Model Number:** EIINPAQNI-WO3
- **Magnification Ratio:** 50x-1000x
- **Material:** Aluminum alloy
- **Light Source Type:** 8 SMD3528 LED (adjustable brightness)
- **Focusing Mode:** Manual adjustment
- **Focusing Range:** 0 ~ 40mm
- **Imaging Distance:** 3mm to infinity
- **Video Resolution:** 640x480, 1280x720, 1920x1080
- **Item Weight:** Approximately 2.2 pounds (1000 Grams)
- **Connectivity:** USB Interface

Safety Information

- Do not attempt to disassemble or modify the microscope. This may void the warranty and cause damage.
- Keep the device away from water and other liquids to prevent electric shock or damage.
- Use only the provided USB cable for power and data transfer.
- Avoid direct eye exposure to the LED lights, especially at maximum brightness.
- This device is not a toy; keep it out of reach of small children.

Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or contact the seller directly. Ensure you have your product model number (EIINPAQNI-WO3) and purchase details available when seeking support.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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