Supereyes B010-P

Supereyes B010-P USB Digital Microscope Instruction Manual

Model: B010-P | Brand: Supereyes

INTRODUCTION

The Supereyes B010-P is a versatile USB digital microscope designed for viewing and sharing magnified details of specimens or objects directly on a computer screen. It is suitable for various applications including quality control, PCB inspection, health/medical examinations, numismatics, and jewelry inspection.

WHAT'S INCLUDED

- USB Microscope (Model B010-P) x 1
- Tripod Stand x 1
- Software CD x 1 (Note: If your computer lacks a CD-ROM drive, please download the software from the official Supereyes website.)
- Calibration Ruler x 1

PRODUCT FEATURES

- **Sensor**: Real 2.0 Megapixel CMOS sensor for high-quality imaging.
- **Illumination**: Adjustable LED light for optimal viewing conditions.
- **Image Processing**: Automatic white balance and automatic brightness balance.
- **Magnification**: Continuous zoom capability from 1X to 300X (combined optical and digital zoom, 300X calculated on a 21" monitor). Magnification increases as focal distance decreases.
- **Focal Distance**: Adjustable from 3 mm to infinity.
- **Dimensions**: Microscope diameter is 19 mm, length is 125 mm.
- **Construction**: Durable and lightweight aluminum alloy body.
- **Functionality**: Snap shot and video recording capabilities.
- **Photo Format**: JPEG.

- **Max Photo Resolution**: 1600 x 1200.
- **Max Video Resolution**: 1600 x 1200.
- **Video Format**: WMV for Windows systems, AVI for Mac OS.
- **Display Speed**: Maximum 30 frames per second (f/s).

SETUP

1. **Connect the Microscope**: Plug the USB cable of the Supereyes B010-P microscope into an available USB 2.0 port on your computer.

2. **Software Installation (Windows)**:
   - Insert the provided software CD into your computer's CD-ROM drive. Follow the on-screen instructions to install the Supereyes V3.5 software.
   - If your computer does not have a CD-ROM drive, download the latest software version (Supereyes V3.5 or newer) from the official Supereyes website.
   - **Note for Windows 8/10 users**: For full compatibility, ensure you download Supereyes V3.5 for 32/64 bit systems.

3. **Software Installation (Mac OS)**:
   - No specific driver or additional software is required.
   - Simply use built-in applications like Photo Booth or FaceTime to open and view the device's feed.

4. **Software Installation (Linux)**:
   - No specific driver or additional software is required.
   - The device should be recognized by standard webcam applications.

5. **Positioning**: Attach the microscope to the included tripod stand for stable viewing, or hold it manually for flexible inspection.

OPERATING INSTRUCTIONS

1. **Power On**: The microscope is powered via the USB connection. Once connected, the LED lights will illuminate.

2. **Adjusting LED Light**: Use the adjustable LED light control on the microscope body to achieve optimal illumination for your specimen.

3. **Focus Adjustment**: The Supereyes B010-P features manual focus. Adjust the lever on the microscope body to change the focal distance and achieve a clear image. The magnification factor changes with the focal distance.

4. **Viewing on Computer**: Open the installed Supereyes software (Windows) or Photo Booth/FaceTime (Mac) to view the live feed from the microscope.

5. **Capturing Images**: Press the snapshot button on the microscope body to capture a still image. (Note: The snapshot button functionality may be limited to Windows systems.)

6. **Recording Videos**: Use the software interface to start and stop video recording.

7. **Measurement Function (Windows Only)**: The Supereyes software for Windows systems includes measurement functions such as length, arc, rectangle, and distance measurement. This feature is not available on Mac OS or Linux.

MAINTENANCE

To ensure the longevity and optimal performance of your Supereyes B010-P microscope, follow these maintenance guidelines:

- Keep the lens clean. Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe away dust or smudges.
- Avoid exposing the device to extreme temperatures or humidity.
- Store the microscope in a dry, dust-free environment when not in use.
- Handle the device with care to prevent physical damage.
- Regularly check the USB cable for any signs of wear or damage.

TROUBLESHOOTING

Common Issues and Solutions

- **No Image on Screen**:
  - Ensure the USB microscope is securely connected to a working USB port.
  - Verify that the correct software or application (Supereyes V3.5 for Windows, Photo Booth/FaceTime for Mac) is open and selected the microscope as the input device.
  - Check if the LED lights are on. If not, ensure proper USB connection.

- **Blurry Image**:
  - Adjust the manual focus lever on the microscope body until the image is clear.
  - Ensure the transparent plastic cap is clean and free from obstructions.
  - Adjust the distance between the microscope lens and the object.

- **Software Not Installing (Windows)**:
  - Ensure your operating system is compatible (Windows 10/8/7/Vista/XP SP2/2000 32/64 bit).
  - Download the latest Supereyes V3.5 software from the official website if the CD is not working or unavailable.
  - Temporarily disable antivirus software during installation if issues persist.

- **Snapshot Button Not Working (Mac)**:
  - The snapshot button on the device is primarily designed for Windows systems. Use the capture functions within Photo Booth or FaceTime on Mac OS.

- **Wobbly Tripod Stand**:
  - Ensure the microscope is securely mounted on the tripod.
  - Place the tripod on a stable, flat surface.

SPECIFICATIONS

Feature	Detail
Model	B010-P
Sensor	Real 2.0 Megapixel CMOS

Feature	Detail
Magnification	1X ~ 300X (combined optical and digital zoom)
Focal Distance	3 mm to infinity
Illumination	Adjustable LED Light
Photo Resolution	Max 1600 x 1200 (JPEG)
Video Resolution	Max 1600 x 1200 (WMV for Windows, AVI for Mac)
Frame Rate	Max 30 f/s
Interface	USB 2.0
Compatibility	Windows 10/8/7/Vista/XP SP2/2000 (32/64 bit), Mac OS X 10.5+, Linux
Microscope Dimensions	19 mm (diameter), 125 mm (length)
Material	Aluminum Alloy
UPC	045635335769

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Supereyes website.

PRODUCT VISUALS AND DEMONSTRATIONS

Product Images

The Supereyes B010-P USB Digital Microscope in its pink aluminum alloy casing, showcasing its sleek design and controls.

Demonstration of the Supereyes B010-P microscope being used for skin inspection, highlighting its ergonomic design for handheld use.

A view of multiple Supereyes B010-P units in different color variations (silver, pink, and brown), illustrating the product's aesthetic options.
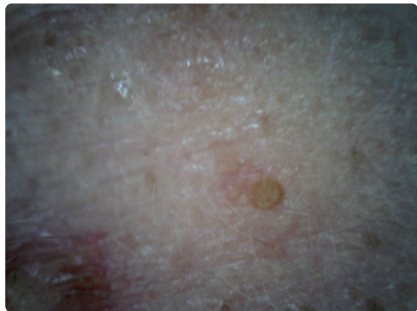

The pink Supereyes B010-P microscope mounted on its included tripod stand, positioned to inspect a postage stamp, demonstrating stable viewing.

A detailed close-up of the microscope's lens and the transparent protective cap, showing the LED light ring.

Easy Slide Control

A close-up illustrating the 'Easy Slide Control' mechanism on the microscope body, used for manual focus adjustment.

An example of a magnified image of human skin, demonstrating the microscope's capability for detailed dermatological inspection.

US Quarter

Photo taken by Supereyes B010

A magnified view of the intricate patterns on a US Quarter, showcasing the microscope's utility for examining fine

details on objects.

US Quarter
Photo taken by Supereyes B010

A close-up magnified image of the text 'STATES OF AMERICA' on a US Quarter, illustrating the clarity and detail achievable with the Supereyes B010-P.

Official Product Videos

Your browser does not support the video tag.

Video: Skin Mole Check by Supereyes Digital Microscope
This video demonstrates the Supereyes B010-P digital microscope being used to inspect skin for moles, displaying the magnified view live on a laptop screen. It highlights the ease of use for personal health monitoring.