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Leipan LPM7-LP

Leipan LPM7 4.3" Coin Microscope User Manual

Model: LPM7-LP

Your guide to exploration and detailed observation.

1. INTRODUCTION AND OVERVIEW

The Leipan LPM7 4.3" Coin Microscope is an advanced digital microscope featuring a 4.3-inch IPS screen, designed for detailed observation of various objects, from coins to intricate electronic components. It offers a magnification range of 50X to 1000X, enabling users to explore subjects at different levels of detail. This device simplifies the process of capturing high-resolution images and videos of your discoveries.



Figure 1.1: Leipan LPM7 4.3" Coin Microscope.

Key features include:

- **4.3 Inches IPS Screen:** Provides a generous display area with remarkable clarity and color accuracy, offering a 178° full viewing angle.
- **50X-1000X Magnification:** Allows for exploration of objects from larger structures to intricate microscopic elements.
- **One-Click Photo and Video Capture:** Effortlessly record high-resolution images or videos.
- **High-Speed 32GB TF Card:** Ample storage for captured observations.
- **Upgraded Battery Life:** Extended usage periods for prolonged exploration.

2. WHAT'S IN THE BOX

Upon unboxing your Leipan LPM7 Coin Microscope, please verify that all components listed below are present:

- Microscope Unit with 4.3-inch IPS Screen
- User Manual
- Bracket (Stand Assembly)
- Base
- USB Cable
- 32GB TF Card
- Calibrating Ruler



Figure 2.1: All-in-One package contents.

3. SETUP INSTRUCTIONS

Follow these steps to assemble and prepare your microscope for use:

1. **Assemble the Bracket:** Insert the vertical rod of the bracket into the base and secure it.
2. **Attach the Microscope:** Mount the microscope unit onto the bracket. Ensure it is securely fastened.
3. **Remove Lens Cap:** Carefully remove the protective cap from the microscope lens.
4. **Insert Memory Card:** Locate the TF card slot on the microscope unit and gently insert the provided 32GB TF card until it clicks into place.



Figure 3.1: Easy assembly steps.

Video 3.1: Installation guide for the LPM7 Digital Microscope with 4.3 Inches Screen.

4. OPERATING INSTRUCTIONS

To begin using your microscope:

1. **Power On:** Press and hold the power button on the microscope unit until the screen illuminates.
2. **Place Specimen:** Position the object you wish to observe on the base directly beneath the microscope lens.
3. **Adjust Height:** Use the adjustment knob on the bracket to raise or lower the microscope unit until the specimen is visible on the screen.
4. **Focus:** Rotate the focus wheel on the microscope barrel to achieve a clear and sharp image.
5. **Adjust Lighting:** The microscope features 8 LED lights. Adjust their brightness as needed for optimal illumination of your specimen.

4.3" IPS Screen

178° full viewing angle clear



Figure 4.1: The 4.3-inch IPS screen provides a clear and wide viewing angle.

50X-1000X Magnification

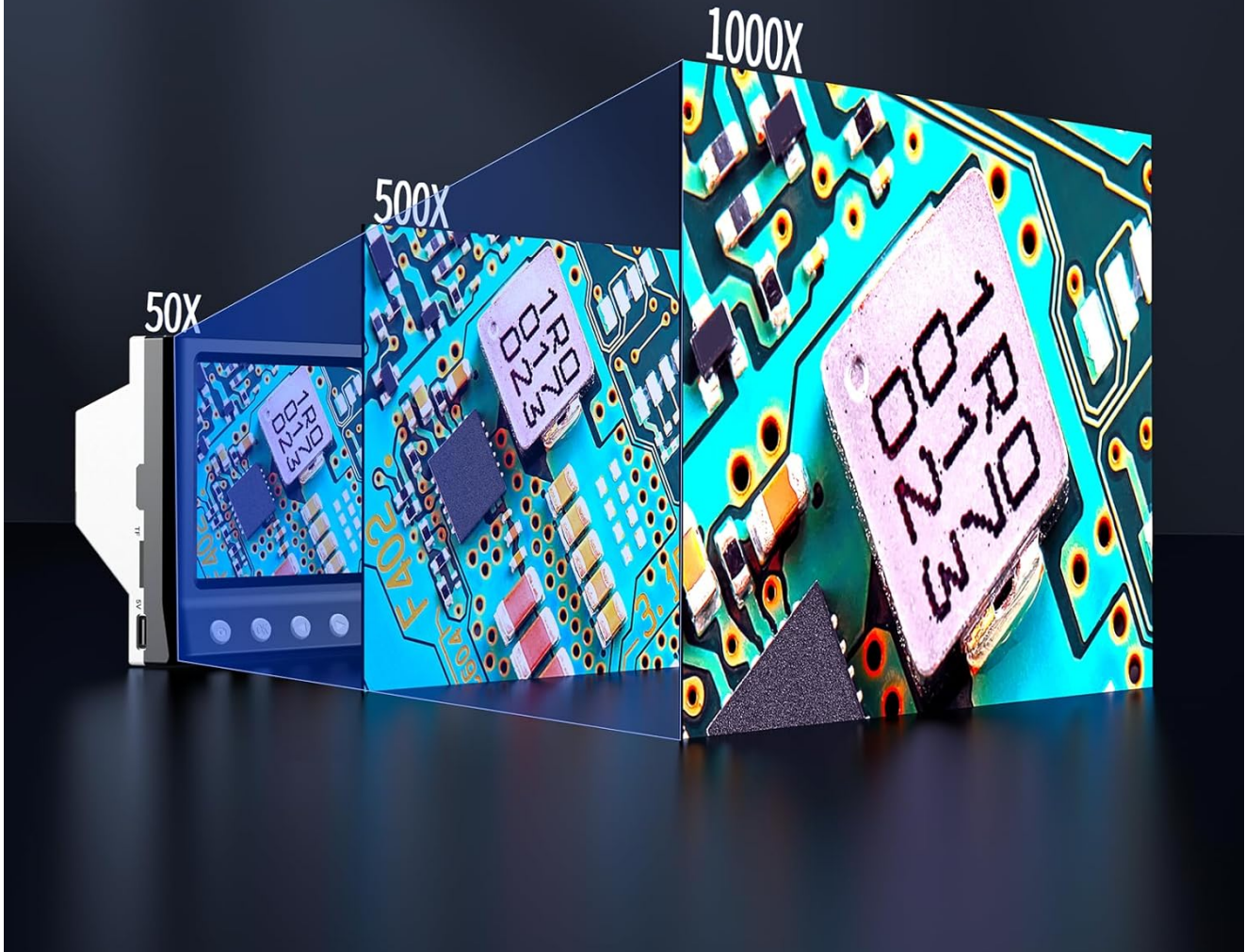


Figure 4.2: Magnification capabilities from 50X to 1000X.

5. TAKING PHOTOS AND VIDEOS

The LPM7 microscope allows for easy capture of images and videos directly to the inserted 32GB TF card.

1. **Switch Modes:** Use the 'Mode' button to switch between Video mode and Photo mode.
2. **Record Video:** In Video mode, press the 'OK' button to start recording. Press 'OK' again to stop recording.
3. **Take Photo:** In Photo mode, press the 'OK' button to capture an image.
4. **Playback:** Press the 'Camera' button to switch to Playback mode. You can then view your captured photos and videos.

Record with **One Click**



Figure 5.1: One-click photo and video capture.

High-Speed 32GB TF Card



High speed



Large memory



Figure 5.2: High-speed 32GB TF card for ample storage.

Video 5.1: Demonstrates how to observe, photo, and video with the LPM7 Coin Microscope.

6. CONNECTING TO A PC

For a larger viewing experience or to save files directly to your computer, you can connect the microscope to a PC.

1. **Connect USB Cable:** Use the provided USB cable to connect the microscope to an available USB port on your computer.
2. **Select PC Camera Mode:** On the microscope, select the 'PC Camera' mode. The microscope screen may display 'PC Cam'.
3. **Access on PC:** Open your computer's camera application (e.g., 'Camera' app on Windows, 'Photo Booth' on Mac, or third-party microscope software). The microscope's live feed should appear.
4. **Observe, Photo, and Video:** Use your computer's camera software to observe specimens, take photos, and record videos.

Small to Big

Work with PC

Enjoy the big view



Figure 6.1: Work with PC for a larger view.

Video 6.1: Demonstrates how the USB Microscope works with your computer.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your microscope.

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the microscope lens. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Screen:** Use a microfiber cloth to clean the IPS screen. Do not spray cleaning solutions directly onto the screen.
- **General Cleaning:** Wipe the body of the microscope and stand with a dry or slightly damp cloth.
- **Storage:** Store the microscope in a dry, dust-free environment when not in use.
- **Battery Charging:** The microscope features an upgraded 2000mAh battery. Charge the device using the provided USB cable. It supports four-way fast charging (via power bank, computer, car adapter, or wall

adapter).

Upgraded Battery Life



Figure 7.1: Upgraded battery life and four-way fast charging.

8. TROUBLESHOOTING

If you encounter issues with your microscope, refer to the following common problems and solutions:

- **No Image on Screen:**
 - Ensure the microscope is powered on.
 - Check if the lens cap has been removed.
 - Adjust the height and focus knobs.
- **Blurry Image:**
 - Adjust the focus wheel carefully.

- Ensure the specimen is flat and properly positioned.
- Verify the microscope is at the correct working distance from the object.

- **Cannot Connect to PC:**

- Ensure the USB cable is securely connected to both the microscope and the PC.
- Verify the microscope is in 'PC Camera' mode.
- Try a different USB port on your computer.
- Restart your computer and the microscope.

- **Screen Flickering or Unstable Image:**

- Ensure the microscope stand is on a stable, flat surface.
- Check for any vibrations in the surrounding environment.

- **Cannot Save Photos/Videos:**

- Ensure the 32GB TF card is properly inserted.
- Check if the TF card has sufficient free space.
- Format the TF card (this will erase all data, so back up first).

9. SPECIFICATIONS

Feature	Specification
Screen Size	4.3 inches IPS Display
Magnification Range	50X - 1000X
Light Source	8 LED Lights
Storage	32GB TF Card (included)
Battery Capacity	2000mAh Lithium Ion (included)
Compatible Devices	Personal Computer (Windows compatible)
Item Weight	1.3 pounds
Dimensions	8.35 x 7.72 x 3.82 inches (Package)
Material	Plastic
Color	Black

Small Size Big Use



Figure 9.1: Compact size for versatile use.

10. WARRANTY AND SUPPORT

Leipan stands behind the quality and performance of the LPM7 4.3" Coin Microscope with a brand guarantee. We are committed to providing a worry-free after-sales service experience.

For any concerns, inquiries, or technical assistance, please refer to the contact information provided in your product packaging or visit the official Leipan store on Amazon for support resources and frequently asked questions.

Leipan Store: Visit the Leipan Store