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› USCAMEL 1000X Digital Microscope Model YQMY-RA3-371-1 User Manual

USCAMEL YQMY-RA3-371-1

USCAMEL 1000X Digital Microscope

MODEL: YQMY-RA3-371-1 USER MANUAL

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1. Product Overview

The USCAMEL 1000X Digital Microscope is a portable, handheld device designed for educational exploration, particularly for children. It features a 2.4-inch high-definition screen and a 2-megapixel camera, allowing users to view and capture magnified images of various objects. The microscope offers up to 1000X magnification and is equipped with 9 LED lights for optimal illumination. Its compact design and durable construction, including a silicone protective case, make it suitable for both indoor and outdoor use.



Figure 1.1: USCAMEL 1000X Digital Microscope. This image displays the compact, handheld digital microscope, often shown with its protective unicorn-themed silicone case, highlighting its screen, lens, and control buttons.

2. What's in the Box

Verify that all components are present in the package:

- USCAMEL 1000X Digital Microscope (Model: YQMY-RA3-371-1)

- USB Charging Cable (Type-C)
- Lanyard
- Unicorn Silicone Protective Case

3. Setup

3.1 Charging the Device

Before first use, fully charge the microscope. Connect the provided USB Type-C charging cable to the microscope's charging port and plug the other end into a standard USB power adapter (not included) or a computer's USB port. The charging indicator light will typically show red during charging and turn off or change color when fully charged. A full charge provides approximately 3-4 hours of continuous use.

3.2 Attaching the Protective Case and Lanyard

Carefully slide the unicorn silicone protective case onto the microscope. Ensure all ports and buttons are accessible. Attach the lanyard to the designated loop on the microscope or case for secure carrying, especially during outdoor activities.

3.3 Inserting a Memory Card (Optional)

The microscope has a built-in 64MB memory for storing up to 100 photos. For extended storage and video recording, insert a compatible microSD card (not included) into the memory card slot. Ensure the microscope is powered off before inserting or removing the card.

4. Operating Instructions

4.1 Powering On/Off

To power on the microscope, press and hold the Power button for a few seconds until the screen illuminates. To power off, press and hold the Power button again until the screen turns off.

4.2 Adjusting Focus

Place the microscope's lens close to the object you wish to observe. Rotate the manual focus wheel (typically located near the lens) until the image on the screen appears clear and sharp. Adjust the distance between the lens and the object for optimal viewing.

4.3 Adjusting LED Illumination

The microscope features 9 built-in LED lights. Use the LED control button (refer to device diagram in future versions of this manual) to cycle through different brightness levels or to turn the lights on/off. Adjust the illumination to achieve the best visibility for your specimen.

4.4 Capturing Photos and Videos

While observing an object, press the Photo/Video button to capture an image. If a memory card is inserted, you can also switch to video mode (if available, refer to on-screen menu) and press the button to start/stop recording. Captured media is saved to the internal memory or the inserted microSD card.

4.5 Viewing and Managing Files

Access the menu (typically via a Menu button) to navigate to the playback or gallery section. Use the navigation buttons to browse through captured photos and videos. Options for deleting or protecting files may be available within this menu.

5. Maintenance

5.1 Cleaning the Microscope

Gently wipe the microscope's body with a soft, dry cloth. For the lens and screen, use a specialized lens cleaning cloth and, if necessary, a small amount of lens cleaning solution. Avoid using abrasive cleaners or solvents that could damage the device.

5.2 Storage

When not in use, store the microscope in a cool, dry place away from direct sunlight and extreme temperatures. Keep it in its protective case to prevent scratches and impacts.

5.3 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. If storing the microscope for an extended period, charge it to approximately 50% every few months.

6. Troubleshooting

| Problem | Possible Cause | Solution |
|-----------------------------------|---|--|
| Microscope does not power on. | Battery is discharged. | Charge the microscope using the provided USB cable. |
| Image is blurry or out of focus. | Incorrect focus adjustment or distance to object. | Rotate the focus wheel until the image is clear. Adjust the distance between the lens and the object. |
| Screen is too dark or too bright. | LED illumination needs adjustment. | Press the LED control button to adjust brightness levels. |
| Cannot save photos/videos. | Internal memory full or no microSD card inserted/card full. | Delete old files from internal memory or insert/replace microSD card. Ensure card is properly formatted. |

7. Specifications

| Feature | Detail |
|-----------------------|--|
| Model Name | YQMY-RA3-371-1 |
| Brand | USCAMEL |
| Magnification Maximum | 1000X |
| Light Source Type | LED (9 lights) |
| Screen Size | 2.4 inches HD |
| Camera Resolution | 2 Megapixels |
| Built-in Memory | 64MB (stores up to 100 photos) |
| Expandable Memory | MicroSD card slot (card not included) |
| Battery Capacity | 1200mAh (approx. 3-4 hours continuous use) |
| Charging Port | Type-C |

| Feature | Detail |
|--------------|---------|
| Weight | 260g |
| Manufacturer | USCAMEL |

8. Warranty and Support

8.1 Manufacturer's Warranty

This USCAMEL Digital Microscope comes with a **5-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact USCAMEL customer support. Refer to the product packaging or the official USCAMEL website for the most current contact information.