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› Dpofirs Portable Digital Microscope User Manual (Model Dpofirswt1u7aqyv4-12)

Dpofirs Dpofirswt1u7aqyv4-12

Dpofirs Portable Digital Microscope User Manual

Model: Dpofirswt1u7aqyv4-12

1. INTRODUCTION

This manual provides essential instructions for the proper use and maintenance of your Dpofirs Portable Digital Microscope. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.



Image 1.1: Front view of the Dpofirs Portable Digital Microscope displaying a magnified leaf.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Dpofirs Portable Digital Microscope
- 1 x Wrist Strap
- 1 x Type-C Charging Cable
- 1 x Instruction Manual



Image 2.1: All components included in the product package.

3. PRODUCT FEATURES AND PARTS IDENTIFICATION

Familiarize yourself with the key features and components of your digital microscope:

- **2.0-inch Color Screen:** Provides a clear, real-time view of magnified images.
- **500X Magnification:** Offers detailed observation of microscopic objects.
- **8 LED Lights:** Adjustable illumination for clear viewing in various conditions.
- **Fixed Focus:** Designed for ease of use, simply place on the object.
- **Type-C Charging Port:** For convenient charging and PC connection.
- **Precision Buttons:** For power, navigation, and capturing images/videos.



Image 3.1: Key features and button locations on the microscope.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the microscope. Connect the provided Type-C cable to the microscope's charging port and the other end to a standard USB power adapter (not included) or a computer USB port. The charging time is approximately 1.5 hours.

4.2 Powering On/Off

Press and hold the power button (usually located on the front or side) for a few seconds to turn the microscope on or off.

4.3 Inserting a Memory Card (Optional)

To save images and videos, insert a memory card (maximum 64GB, not included) into the designated slot. Ensure the card is inserted correctly according to the diagram in the full instruction manual.

5. OPERATING INSTRUCTIONS

5.1 Basic Observation

1. Turn on the microscope.
2. Place the microscope directly onto the object you wish to observe. The fixed focus lens will automatically provide a clear image.
3. Adjust the brightness of the 8 LED lights using the designated buttons (refer to the full manual for specific button functions) to achieve optimal illumination.
4. View the magnified image on the 2.0-inch color screen.

5.2 Capturing Images and Videos

If a memory card is inserted:

- **To take a photo:** Press the 'Photo' button (or the designated capture button) once. The image will be saved in JPG format.
- **To record a video:** Press the 'Video' button (or the designated record button) to start recording. Press it again to stop. Videos are saved in AVI format.

5.3 PC Connection

Connect the microscope to a computer using the Type-C cable. The device is compatible with Windows Vista/XP/7/8/10/11 and OS X 11.0 or higher. Once connected, the microscope can function as a webcam or allow access to stored files, enabling a larger viewing area and direct saving of media to your computer.



Image 5.1: Overview of microscope functions and portability.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microscope body. For the lens and screen, use a specialized lens cleaning cloth and solution. Avoid abrasive materials.
- **Storage:** Store the microscope in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device for at least 1.5 hours.
Image is blurry.	Object not in focus range; dirty lens.	Ensure the microscope is placed directly on the object. Clean the lens.

Problem	Possible Cause	Solution
Cannot save photos/videos.	No memory card inserted or card is full/corrupted.	Insert a compatible memory card. Check card capacity or format if necessary.
LED lights are dim or off.	Low battery; light adjustment setting.	Charge the device. Adjust LED brightness using the control buttons.

8. SPECIFICATIONS

Feature	Detail
Screen	2.0-inch Color Display
Magnification	500X
Image Format	JPG
Video Format	AVI
Light Source	8 x LED Lights
Focus	Fixed Focus (0mm)
Battery Capacity	400mAh (built-in)
Working Time	Approx. 1.5 hours
Charging Time	Approx. 1.5 hours
PC Operating System	Windows Vista/XP/7/8/10/11, OS X 11.0 or higher
Memory Card Support	Maximum 64GB (not included)
Item Model Number	Dpofirswt1u7aqyv4-12
Dimensions	110mm (4.3in) L x 60mm (2.4in) W x 20mm (0.79in) H
Item Weight	3.46 ounces





Image 8.1: Physical dimensions of the microscope.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Dpofirs website. Keep your purchase receipt as proof of purchase for any warranty claims.

