

TOMLOV DM10

TOMLOV DM10 10.1" Digital Microscope User Manual

Model: DM10



1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your TOMLOV DM10 10.1" Digital Microscope. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your viewing experience.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 10.1-Inch Digital Microscope (1)
- Height Adjustable Stand (1)
- 32GB Micro SD Card (1) - *Pre-installed in the microscope's Micro SD card slot.*
- Remote Control (1)
- USB Cable (2)

Packing List



Image: Components included in the TOMLOV DM10 Digital Microscope package.

3. SETUP INSTRUCTIONS

3.1 Assembly

1. Attach the microscope unit to the height-adjustable stand. Secure it using the provided knob.
2. Place the base plate on a stable, flat surface.
3. Connect the flexible gooseneck side lights to the base plate, ensuring they are securely fastened.

3.2 Powering On

The microscope is equipped with a 3000mAh rechargeable battery. To power on the device, press and hold the power button located on the front panel below the screen. The device can also be powered via USB cable.

3.3 Initial Adjustments

1. **Adjusting Height:** Use the knob on the stand to raise or lower the microscope unit, setting the initial distance

between the lens and the object.

2. **Screen Rotation:** The 10.1" IPS screen can be rotated 90 degrees for optimal viewing angles.
3. **Focusing:** Rotate the focus wheel on the microscope body to achieve a clear image of your object on the screen.
4. **Lighting:** Adjust the brightness of the 8 LED lights around the lens and the 2 flexible gooseneck side lights independently using their respective controls.

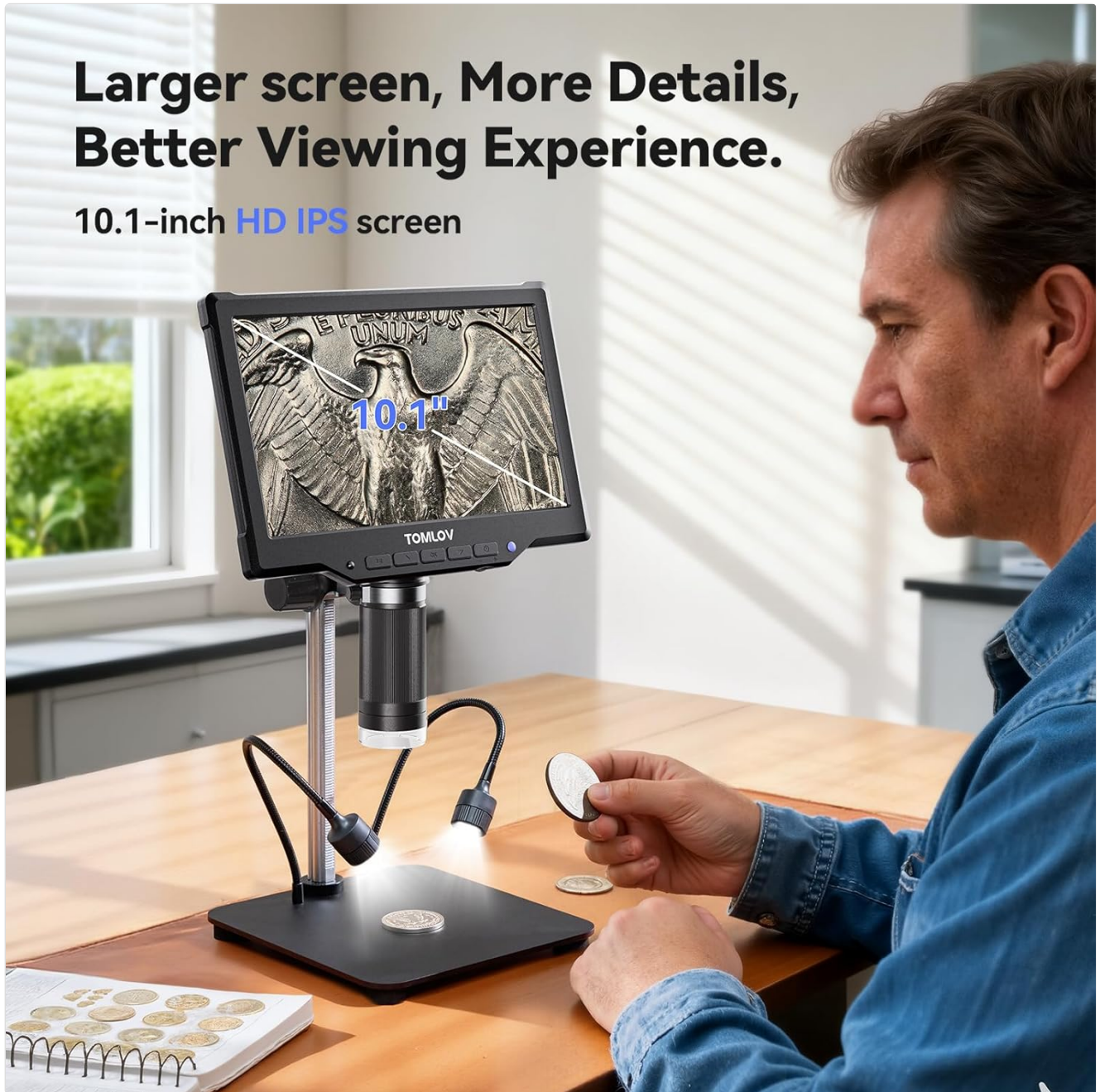


Image: A user observing a coin using the TOMLOV DM10 Digital Microscope, highlighting the large 10.1-inch screen.

8 Lens Lights+2 Side Lights

Provide you with full lighted view



Image: The TOMLOV DM10 Digital Microscope with its 8 lens lights and 2 adjustable side lights providing full illumination for detailed observation.

4. OPERATING INSTRUCTIONS

4.1 Magnification

The TOMLOV DM10 offers a magnification range from 5X to 1200X. Adjust the height of the microscope and rotate the focus wheel to achieve the desired magnification and clarity for your observation.



Image: Visual representation of the 5X to 1200X magnification capabilities of the TOMLOV DM10 Digital Microscope, showing a coin at different zoom levels.

4.2 Photo and Video Capture

The microscope supports one-touch photo capture and video recording. The pre-installed 32GB Micro SD card provides ample storage for your observations.

- **Photo Resolution:** 16MP (4608*3456), 12MP (4032*3024), 10MP (3648*2736), 8MP (3264*2448), 5MP (2592*1944), 3MP (2048*1536), 2MP (1920*1080).
- **Video Resolution:** 1080FHD (1920*1080), 1080P (1440*1080), 720P (1280*720).

4.3 Remote Control Operation

Use the included wireless remote control to capture photos, record videos, and navigate menus. This minimizes device shake and disturbance to the sample during observation.

Convenient Remote Control



Image: A user operating the TOMLOV DM10 Digital Microscope using the convenient wireless remote control for photo, video, and menu functions.

4.4 PC Connection (USB Output)

Connect the microscope to your computer via USB for a real-time, larger view of your observations. This feature is useful for detailed analysis and sharing with others.

Connect to PC for a Real-Time Larger View



Windows



macOS



Image: The TOMLOV DM10 Digital Microscope connected to a laptop, displaying a circuit board on both the microscope screen and the computer monitor for an enhanced viewing experience.

4.5 Applications

The TOMLOV DM10 Digital Microscope is a versatile tool suitable for various tasks, including:

- Coin collection and error coin examination.
- Soldering PCB boards and inspecting SMD components.
- Watch and jewelry repair.
- Plant and insect inspection.
- General scientific exploration and education.

A Great Helper for Magnifying Work



Image: Various applications of the TOMLOV DM10 Digital Microscope, including coin collection, soldering PCB boards, watch repair, and plant inspection.

Your browser does not support the video tag.

Video: An official product video demonstrating the features and usage of the TOMLOV DM10 10.1" Digital Microscope, including its illumination, adjustable height, screen rotation, focusing, and remote control capabilities, as well as its application in soldering.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microscope body and screen. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the microscope in a dry, dust-free environment when not in use.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially if it will be stored for an extended period.

6. TROUBLESHOOTING

- **No Power:** Ensure the battery is charged or the device is connected to a power source via USB. Check the power button for proper engagement.
- **Blurry Image:** Adjust the height of the microscope and rotate the focus wheel until the image is clear. Ensure the object is within the working distance of the lens.
- **Screen Not Displaying:** Check power connection. If connected to PC, ensure the correct display mode is selected on the microscope or computer.
- **SD Card Not Recognized:** Ensure the 32GB Micro SD card is properly inserted into the slot. If issues persist, try reformatting the card (this will erase all data) or using a different compatible SD card.
- **Remote Control Not Working:** Check the battery in the remote control. Ensure there are no obstructions between the remote and the microscope's IR receiver.

7. SPECIFICATIONS

Feature	Specification
Model Name	DM10
Screen Size	10.1 inches IPS
Magnification	5X - 1200X
Photo Resolution	Up to 16MP (4608*3456)
Video Resolution	Up to 1080FHD (1920*1080)
Battery Capacity	3000mAh Lithium Ion
Light Source	8 Lens LEDs + 2 Side Gooseneck LEDs
Storage	32GB Micro SD Card (included)
Output	USB for PC View
Material	Aluminum Alloy
Product Dimensions	12.4 x 11.2 x 3.9 inches
Item Weight	3.31 pounds (1500 Grams)

8. WARRANTY AND SUPPORT

Your TOMLOV DM10 Digital Microscope comes with a manufacturer's warranty. For detailed warranty information, product support, or to inquire about replacement parts, please refer to the warranty card included in your package or visit the official TOMLOV website. Contact information for customer service is typically provided on the product packaging or the manufacturer's website.



