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› TOMLOV DM04 Digital Microscope User Manual

TOMLOV DM04

TOMLOV DM04 Digital Microscope User Manual

Model: DM04

INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your TOMLOV DM04 Digital Microscope. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

The TOMLOV DM04 is a versatile digital microscope featuring a 9-inch LCD screen, 16MP camera, and up to 1300X digital magnification. It is designed for various applications including coin inspection, circuit board repair, and general observation of small objects. It is compatible with Windows and Mac OS for advanced functions.

PACKAGE CONTENTS

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

- 9-inch Microscope Unit
- Base Plate
- 10-inch Stand Pole
- Remote Control
- USB Cable for Microscope (Micro USB)
- USB Cable for Base (USB-C)
- Light Barrier
- User Manual
- 32GB SD Card (pre-installed or included separately)

Connect to a PC to Get Large Pictures

Measure with custom software



Windows



Mac OS



Image: All components included in the TOMLOV DM04 Digital Microscope package, including the microscope unit, stand, base, cables, remote, and manual.

SETUP INSTRUCTIONS

1. **Assemble the Stand:** Attach the 10-inch stand pole to the base plate. Ensure it is securely fastened.
2. **Mount the Microscope:** Slide the microscope unit onto the stand pole and tighten the securing screw at the desired height.
3. **Connect Power:**
 - Connect the Micro USB cable to the microscope unit and a power source (e.g., USB adapter, computer USB port).
 - Connect the USB-C cable to the base plate (for auxiliary lights) and a separate power source.
4. **Insert SD Card:** If not pre-installed, insert the provided 32GB SD card into the slot on the back of the microscope unit.
5. **Position Auxiliary Lights:** Adjust the flexible auxiliary lights on the base to illuminate your observation area as

needed.

6. **Power On:** Press and hold the power button on the microscope unit to turn it on.

UPGRADED Humanize Design



1. 9 inch Larger IPS Screen

2. Touch Keys, use without impact

3. Remote Control Available

4. Rechargeable Base

Image: A user setting up the TOMLOV DM04 microscope, demonstrating the assembly of the stand and placement of the microscope unit.

OPERATING INSTRUCTIONS

Basic Operation

- Power On/Off:** Press and hold the power button () to turn the device on or off.
- Focus Adjustment:** Rotate the focus wheel on the microscope unit to achieve a clear image on the 9-inch LCD screen.
- Magnification:** The microscope offers digital magnification up to 1300X. Adjust the height of the microscope on the stand and use the digital zoom functions (if available via menu) to change magnification.
- Lighting:**

- **Built-in LED Lights:** The microscope head has built-in LED lights. These can be adjusted via the menu or dedicated buttons.
- **Auxiliary Base Lights:** The two flexible lights on the base can be adjusted independently using their respective controllers to provide additional illumination.

5. Capture Images/Videos:

- Press the **OK** button on the microscope or remote control to take a picture.
- Press and hold the **OK** button to start/stop video recording.
- Captured images and videos are saved to the inserted SD card.

Advanced Features

- **Menu Navigation:** Use the **M** (Menu) button and arrow buttons (▲, ▼) to navigate through settings and options on the LCD screen.
- **Remote Control:** The included remote control allows for stable operation, reducing image shake during capture.
- **Rotatable Screen & Bracket Pole:** The screen can be rotated up to 80 degrees and the bracket pole up to 180 degrees for flexible viewing angles.
- **PC Connection (Windows/Mac OS):**
 - a. Connect the microscope to your computer using the appropriate USB cable.
 - b. Select "PC Camera" mode on the microscope's screen.
 - c. Install the dedicated software (refer to the included software CD or manufacturer's website for download) to enable measurement and marking functions, and to view the live feed on your computer.
 - d. Files can be transferred directly from the SD card when connected to a PC.

1300X

Digital Magnification

View entire coins easily



50X



500X



1300X

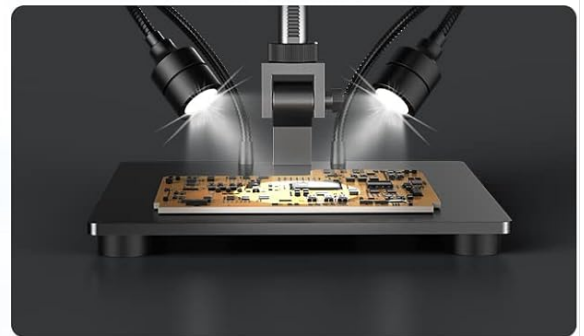


Image: The TOMLOV DM04 microscope connected to a laptop, showing the "PC Camera" function and measurement capabilities on the computer screen.

Dual Auxiliary **LIGHTING** Not affected by the environment



Built-in 8LED Fill Lights
Works perfectly in dark environments



Rechargeable Base with Two Side Lights
Can be used independently

Image: Close-up view of the TOMLOV DM04 microscope's dual auxiliary lighting system, highlighting the built-in LED ring light and the two flexible base lights.

Your browser does not support the video tag.

Video: A demonstration of the TOMLOV DM04 digital microscope's capabilities, showing a detailed view of a fly. This video illustrates the clarity and magnification achievable with the device.

MAINTENANCE

• **Cleaning:**

- Use a soft, dry cloth to clean the exterior of the microscope and screen.
- For the lens, use a lens cleaning cloth and specialized lens cleaning solution. Avoid abrasive materials.
- Do not use liquid cleaners directly on the screen or lens.

• **Storage:** Store the microscope in a clean, dry environment away from direct sunlight and extreme temperatures.

• **Battery Care:** For optimal battery life, charge the microscope regularly and avoid fully discharging it for extended periods.

- **Software Updates:** Periodically check the TOMLOV official website for any available software or firmware updates for your DM04 model.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	Device not powered on; lens cap on; focus not adjusted.	Ensure device is powered on. Remove lens cap. Adjust focus wheel.
Image is blurry	Improper focus; insufficient lighting; dirty lens.	Adjust focus wheel. Increase illumination using built-in or auxiliary lights. Clean the lens.
Cannot save images/videos	No SD card inserted; SD card full or corrupted; incorrect file format settings.	Insert a compatible SD card. Delete unnecessary files or replace SD card. Check menu settings for file format.
PC connection not working	Incorrect USB cable; "PC Camera" mode not selected; driver issues.	Ensure correct USB cable is used. Select "PC Camera" mode on microscope. Install necessary drivers/software.

SPECIFICATIONS

- **Model:** DM04
- **Screen Size:** 9-inch LCD
- **Camera Resolution:** 16 Megapixels
- **Video Resolution:** 1080P
- **Digital Magnification:** Up to 1300X
- **Stand Length:** 10 inches
- **Focus Range:** Up to 8 inches (with enhanced stand)
- **Lighting:** Built-in 8-LED fill lights, Rechargeable base lights (2)
- **Control:** Touch buttons, Remote control
- **Storage:** Supports Micro SD card (32GB included)
- **PC Compatibility:** Windows, Mac OS
- **Power Source:** Battery Powered (5 Volts)
- **Material:** 10" Metal Stand + 9" LCD Screen + Large Metal Base

WARRANTY INFORMATION

TOMLOV products typically come with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official TOMLOV website for detailed warranty terms and conditions, including coverage period and claim procedures.

CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact TOMLOV customer support:

- **Website:** www.tomlov.com (Note: This is a placeholder URL, please refer to your product documentation for the

official support website.)

- **Email:** Refer to your product documentation.
- **Phone:** Refer to your product documentation.

When contacting support, please have your product model (DM04) and purchase information ready.

