

TOMLOV P10

TOMLOV P10 Digital Microscope User Manual

Model: P10 | Brand: TOMLOV

1. INTRODUCTION

Thank you for choosing the TOMLOV P10 Handheld Digital Microscope. This compact and portable device is designed for detailed observation and documentation of various objects, from coins and jewelry to plants and electronic components. Featuring a 2-inch LCD screen, 100X fixed magnification, and integrated lighting, the P10 offers a clear and shareable viewing experience. This manual provides essential information for setting up, operating, and maintaining your microscope to ensure optimal performance.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x TOMLOV P10 portable microscope
- 1x 8GB Micro SD Card
- 1x USB Cable
- 1x User Manual



Figure 2.1: Contents of the TOMLOV P10 package.

3. PRODUCT OVERVIEW

The TOMLOV P10 is designed for ease of use and portability. Familiarize yourself with its main components:

- **2-inch LCD Screen:** Displays live images and captured media.
- **Magnification Lens:** Provides a fixed 100X magnification.
- **Power Button:** Turns the device on/off.
- **Light Control Button:** Cycles between white LED lights and UV lights.
- **Micro SD Card Slot:** For inserting the included 8GB Micro SD card to store images and videos.
- **USB-C Port:** For charging the device and connecting to a computer.
- **LED Lights:** Dimmable 4 white LEDs and 4 UV lights for illumination.



Figure 3.1: Front view of the TOMLOV P10.

Mini & Portable



3.9 oz

Figure 3.2: Detailed view of the 2-inch LCD screen.

4. SETUP

4.1 Charging the Device

Before first use, fully charge the TOMLOV P10. Connect the included USB cable to the USB-C port on the device and the other end to a standard USB power adapter (not included) or a computer USB port. The battery indicator on the screen will show charging status. A full charge takes approximately 1.5 hours and provides up to 50 minutes of continuous use.

Rechargeable Battery



Figure 4.1: Battery specifications and working time.

4.2 Inserting the Micro SD Card

Locate the Micro SD card slot on the side of the device. Gently insert the included 8GB Micro SD card until it clicks into place. Ensure the card is inserted in the correct orientation to avoid damage.

5. OPERATION

5.1 Powering On/Off

Press and hold the Power button for a few seconds to turn the microscope on or off. The 2-inch LCD screen will illuminate upon startup.

5.2 Viewing Objects

The TOMLOV P10 has a fixed 100X magnification. For a clear image, position the microscope approximately 0.3 inches (about 0.76 cm) from the object you wish to examine. Adjust the distance slightly until the image on the screen is sharp.

100X Magnification



Figure 5.1: Using the TOMLOV P10 for inspection.

2" IPS LCD

visible & shareable



Figure 5.2: The 2-inch LCD screen allows for easy sharing of observations.

5.3 Adjusting Illumination

Press the Light Control button to cycle between the 4 white LED lights and the 4 UV lights. The white LEDs are dimmable, allowing you to adjust brightness for optimal viewing conditions. UV lights are useful for inspecting features visible under ultraviolet light, such as security features on currency.

16MP Camera & 8GB SD Card

up to **5000** images



Figure 5.3: White and UV light illumination options.

5.4 Capturing Images and Videos

The TOMLOV P10 features a 16MP camera for capturing high-resolution images and videos. While viewing an object, press the Capture button (usually integrated with the Power button or a separate dedicated button, refer to device markings) to take a photo or start/stop video recording. All captured media is saved to the inserted 8GB Micro SD card.

Made The Objects More Visible

4 white lights



4 UV lights



Figure 5.4: 100X magnification for detailed inspection.

5.5 PC Connection

For a larger viewing experience or to easily transfer and manage your captured files, connect the TOMLOV P10 to a computer using the provided USB cable. The device will typically be recognized as a webcam or a mass storage device, allowing you to view live feeds on your computer screen or access the contents of the Micro SD card.

Benefit from **PC** support

larger view

easily document

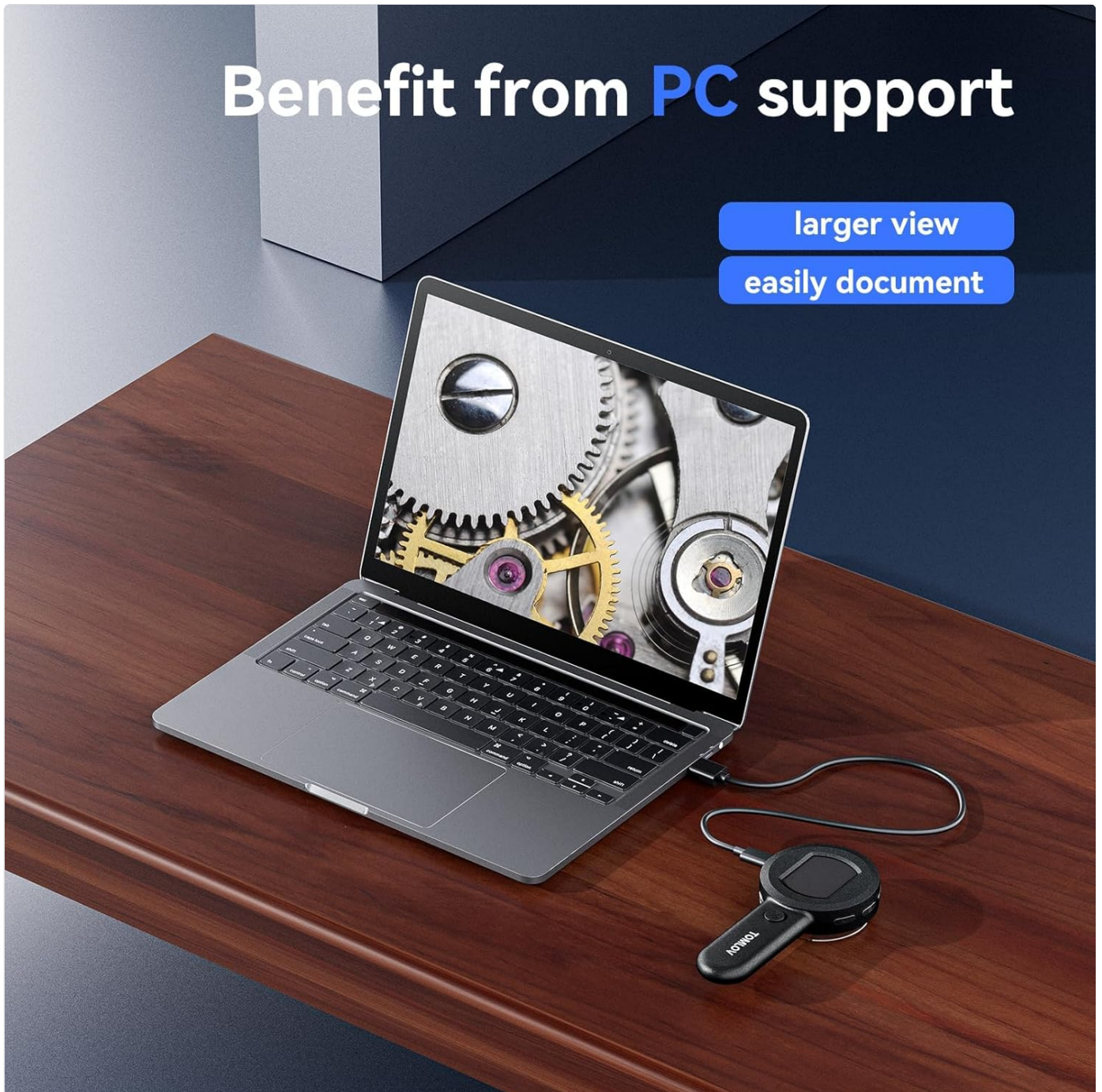


Figure 5.5: Connecting the P10 to a PC for larger viewing.

6. MAINTENANCE

6.1 Cleaning

To maintain optimal image clarity, regularly clean the lens and screen. Use a soft, lint-free cloth, preferably a microfiber cloth, to gently wipe away dust and smudges. For stubborn marks, a small amount of lens cleaning solution can be applied to the cloth (not directly to the lens/screen).

6.2 Battery Care

To prolong battery life, avoid fully discharging the device frequently. If storing for an extended period, charge the battery to about 50% and recharge every few months. Do not expose the device to extreme temperatures.

6.3 Storage

Store the TOMLOV P10 in a cool, dry place, away from direct sunlight and excessive humidity. Keep it in its original packaging or a protective case when not in use to prevent dust accumulation and physical damage.

7. TROUBLESHOOTING

If you encounter issues with your TOMLOV P10, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Power button not pressed correctly.	Charge the device fully. Press and hold the Power button firmly for a few seconds.
Image is blurry or out of focus.	Incorrect distance from object; Dirty lens.	Ensure the microscope is approximately 0.3 inches from the object. Clean the lens with a soft cloth.
Cannot save images/videos.	Micro SD card not inserted or full; Card error.	Ensure the Micro SD card is correctly inserted. Check if the card is full and delete unnecessary files or replace it. Format the card if necessary (this will erase all data).
PC connection not working.	Faulty USB cable; Driver issue; Incorrect mode.	Try a different USB port or cable. Ensure the device is powered on when connecting. Check your computer's device manager for driver issues.

8. SPECIFICATIONS

Feature	Detail
Model Name	P10
Magnification	Fixed 100X
Screen Size	2-inch LCD
Camera Resolution	16MP
Storage	8GB Micro SD Card (included)
Light Source	4 Dimmable White LEDs, 4 UV Lights
Battery Type	Lithium Ion (500mAh)
Working Time	Up to 50 minutes
Charging Time	Approx. 1.5 hours
Connectivity	USB-C (for charging and PC connection)
Item Weight	5.6 ounces (approx. 159 grams)
Dimensions	7.28 x 3.78 x 1.5 inches

9. WARRANTY AND SUPPORT

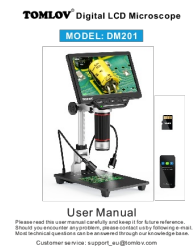
TOMLOV products are designed for reliability and performance. For any product-related inquiries, technical support, or warranty claims, please refer to the contact information provided on the product packaging or visit the official TOMLOV website. Please retain your proof of purchase for warranty purposes. Standard return policies apply as per retailer terms. For more information, visit the [TOMLOV Store on Amazon](#).

Related Documents - P10



TOMLOV DM201 SE LCD Digital Microscope User Manual

Comprehensive user manual for the TOMLOV DM201 SE LCD Digital Microscope, covering setup, operation, features, specifications, and troubleshooting for optimal use.



[TOMLOV DM201 Digital LCD Microscope User Manual](#)

User manual for the TOMLOV DM201 Digital LCD Microscope, covering installation, operation, menu settings, specifications, and troubleshooting.



[TOMLOV Microscope Numérique LCD DM201/DM201 Pro/DM202 Manuel d'utilisation](#)

Manuel d'utilisation complet pour les microscopes numériques LCD TOMLOV DM201, DM201 Pro et DM202. Couvre l'installation, le fonctionnement, les fonctionnalités, les réglages, les spécifications et le dépannage.



[Инструкция по эксплуатации цифровых микроскопов Tomlov DM401/DM401 Pro/DM402 Pro](#)

Полное руководство пользователя для цифровых микроскопов Tomlov DM401, DM401 Pro и DM402 Pro, охватывающее установку, эксплуатацию, функции, подключение к различным устройствам и настройки.



[TOMLOV Digital LCD Microscope DM201/DM201 Pro/DM202 User Manual](#)

Comprehensive user manual for the TOMLOV Digital LCD Microscope models DM201, DM201 Pro, and DM202. This guide covers setup, operation, features, specifications, and troubleshooting for the digital microscope.

TOMLOV Microscopio Digitale
MODELLO TM-DM9



Manuale di Istruzioni

Questo manuale descrive l'installazione, l'uso e la manutenzione del microscopio digitale.
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[TOMLOV TM-DM9 Digital Microscope User Manual | Setup, Operation, Specifications](#)

Comprehensive user manual for the TOMLOV TM-DM9 Digital Microscope. Learn how to set up, operate, capture images/videos, connect to PC, and find specifications and FAQs.