

TOMLOV DM702

TOMLOV DM702 Digital Microscope User Manual

Model: DM702 | Brand: TOMLOV

INTRODUCTION

The TOMLOV DM702 Digital Microscope is a versatile tool designed for detailed inspection and analysis of various objects, from coins and stamps to circuit boards and biological samples. Featuring a 10.1-inch IPS screen, high magnification, and adjustable LED lighting, it provides clear and precise visuals for both hobbyists and professionals.

WHAT'S IN THE BOX

- 1 X TOMLOV DM702 10 inch LCD Screen
- 1 X 11" Pro Stand + Metal Base
- 2 X USB Cable
- 1 X 32GB Card
- 1 X Controller (Remote)
- Screws and Allen Key for assembly
- Lens Cleaning Cloth
- Power Adapter

SETUP INSTRUCTIONS

Follow these steps to assemble your TOMLOV DM702 Digital Microscope:

1. Assemble the Stand and Base

Attach the vertical pole to the metal base using the provided screws and Allen key. Ensure it is tightened securely to provide a stable foundation for the microscope.



Image: Fully assembled TOMLOV DM702 Digital Microscope with 10-inch screen and dual LED lights.

2. Attach the Microscope Unit

Slide the microscope unit (with the screen attached) onto the vertical pole. Use the adjustment knobs to secure it at your desired height. Ensure the unit is firmly in place to prevent movement during operation.

Make Soldering Easier



Image: User adjusting the height of the microscope unit on the stand, demonstrating space for soldering.

3. Connect LED Lights

Plug the flexible LED lights into the designated ports on the base. These lights are adjustable and can be positioned to provide optimal illumination for your subject.



Image: The microscope base with two flexible LED lights, showing dimmable 8+2 LED illumination.

4. Power On and Initial Setup

Connect the microscope to a power source using the provided USB cable and power adapter. Press the power button on the unit to turn it on. The 10.1-inch IPS screen will display the live view from the microscope.

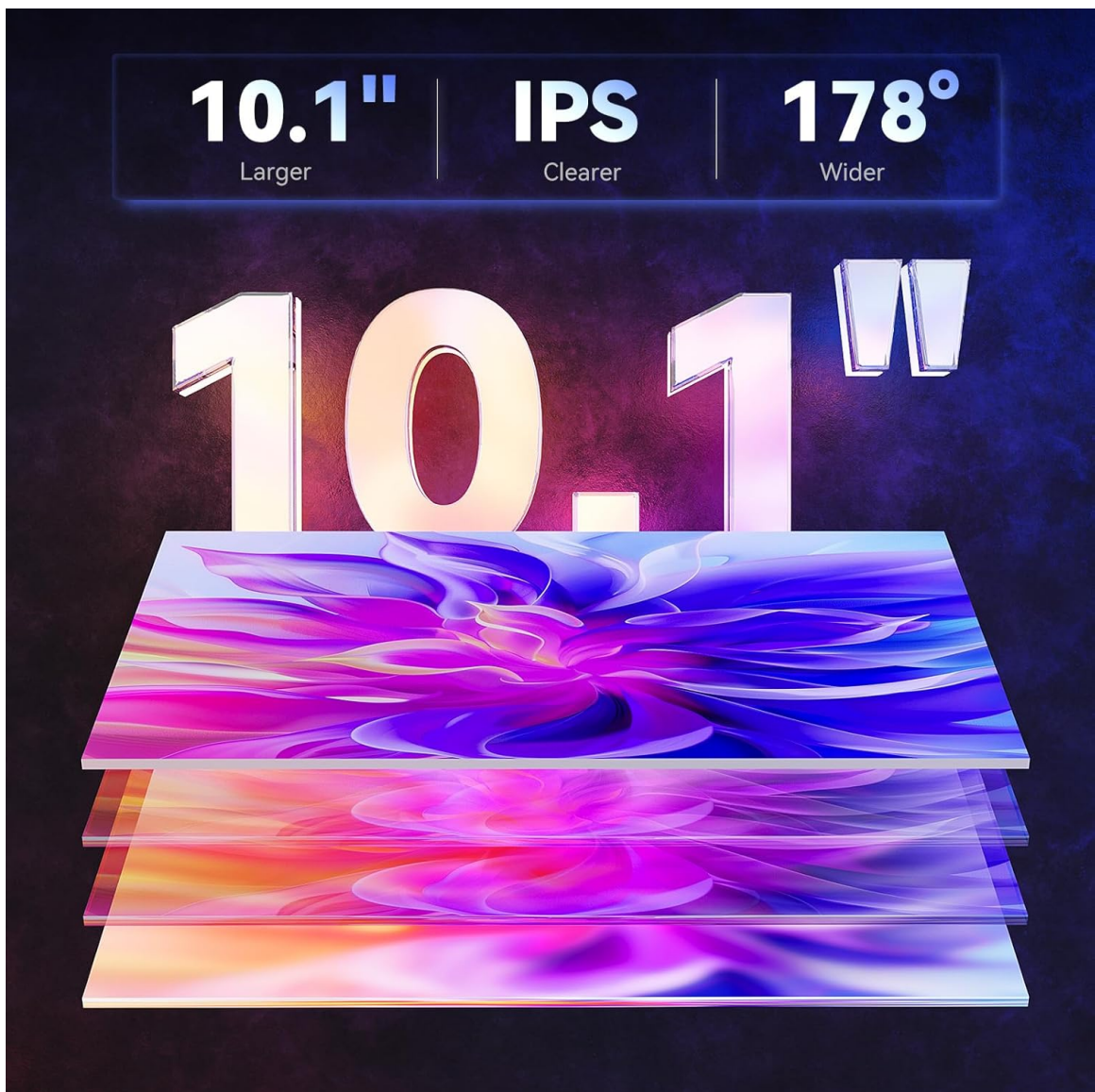


Image: Close-up of the 10.1-inch IPS screen, highlighting its size and wide viewing angle.

Setup Video Demonstration:

Watch this video for a detailed guide on unboxing and setting up your TOMLOV DM702 Digital Microscope.

Your browser does not support the video tag.

Video: TOMLOV DM702 10.1" Digital Microscope setup guide by a seller.

OPERATING INSTRUCTIONS

The TOMLOV DM702 is designed for intuitive operation. Here are key functions:

- **Basic Controls**

The control panel below the screen includes buttons for Power, Menu, OK, Switch, and Photo/Video capture. Use the left/right arrows for navigation within menus.

- **Magnification and Focus**

Adjust the height of the microscope unit on the stand using the large knob on the side. Fine-tune the focus by rotating the focus ring on the microscope lens itself. The microscope offers up to 1300x magnification.

Professional Magnification

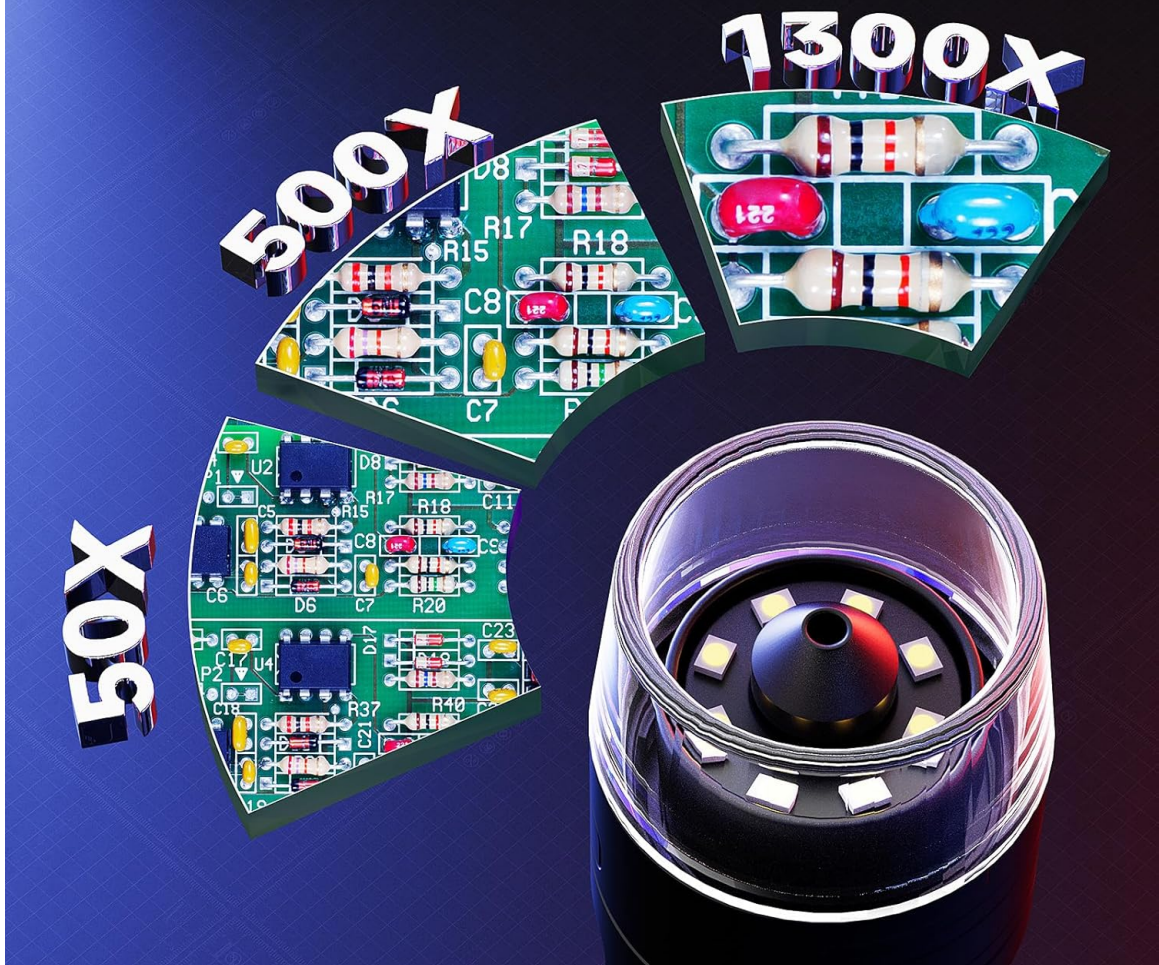


Image: Visual representation of 50x, 500x, and 1300x magnification levels on a circuit board.

- **Using the Remote Control**

The included remote control allows for convenient photo and video capture without touching the microscope, minimizing vibrations. It also provides navigation and settings adjustments.

- **Adjusting LED Lights**

The two flexible LED lights on the base can be positioned to eliminate shadows and reflections. Their brightness can be adjusted using the controls on the base or the remote. The microscope lens also has built-in LEDs for direct illumination.

- **Connecting to PC**

Connect the microscope to your computer via USB for a larger display and easier data transfer. The device supports both mass storage and PC camera modes.

PC Connecting for Easy Document



Image: Digital microscope connected to a laptop for expanded image display.

- **Capturing Photos and Videos**

Insert the 32GB SD card into the slot. Use the dedicated buttons on the unit or the remote to capture 12MP photos and 1080P videos of your observations.



Image: Icons representing 12MP photo and 1080P video capabilities with 32GB SD card support.

Operation Video Demonstration:

This video provides a comprehensive overview of the TOMLOV DM702's features and operation.

Your browser does not support the video tag.

Video: TOMLOV DM702 Digital Microscope detailed features and usage by a seller.

MAINTENANCE

To ensure the longevity and optimal performance of your TOMLOV DM702 Digital Microscope, follow these maintenance guidelines:

- **Cleaning:** Use the provided lens cleaning cloth to gently wipe the screen and microscope lens. Avoid using abrasive materials or harsh chemicals.
- **Storage:** When not in use, store the microscope in a dry, dust-free environment.
- **Battery Care:** Charge the built-in Lithium Ion battery regularly to maintain its health.

TROUBLESHOOTING

If you encounter any issues with your microscope, consider the following common solutions:

- **Blurry Image:** Ensure the focus knob is properly adjusted. Check the distance between the lens and

the object. Adjust LED lighting to reduce glare.

- **No Power:** Verify the USB cable and power adapter are securely connected. Ensure the unit's battery is charged.
- **Screen Scratches:** The screen comes with a protective film. Gently peel it off for a clear view.
- **Unstable View:** Ensure all screws on the stand and microscope unit are tightened. The metal base provides good stability.

SPECIFICATIONS

Feature	Specification
Model Name	DM702
Screen Size	10.1-inch IPS
Magnification Maximum	1300x
Camera Resolution	12MP
Video Resolution	1080P
Light Source Type	LED (Dimmable 8+2)
Battery	1 Lithium Ion battery required
Item Weight	4.37 pounds (1984 Grams)
Material	Metal
Color	Black
Compatible Devices	Laptop, Personal Computer

WARRANTY AND SUPPORT

Your TOMLOV DM702 Digital Microscope comes with a standard manufacturer's warranty. For any technical support, warranty claims, or product inquiries, please contact TOMLOV customer service through their official channels. Refer to the user manual included in the box for specific contact details or visit the TOMLOV website.