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TOMLOV P30

TOMLOV P30 Digital Microscope User Manual

Model: P30

Brand: TOMLOV

1. INTRODUCTION

Thank you for choosing the TOMLOV P30 Digital Microscope. This handheld microscope is designed to provide an engaging and educational experience for users of all ages, especially children, allowing for detailed observation of the micro-world. With its dual magnification levels, HD camera, and portable design, the P30 is an excellent tool for scientific exploration at home, outdoors, or in educational settings.

This manual provides comprehensive instructions for setting up, operating, and maintaining your TOMLOV P30 Digital Microscope to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Dual Magnification Levels:** Offers 1-100X standard magnification for general observation and 500-1000X high magnification for detailed examination of slides. Includes 4X digital zoom.
- **HD Camera & Video:** Equipped with a 16MP camera for capturing high-resolution photos and 1080P video recording. A 16GB SD card is included for storage.
- **2-inch LCD Screen:** Provides a clear, visible display for live viewing and instant replay of captured discoveries, facilitating easy sharing.
- **Portable & Lightweight Design:** Weighing just 6 oz, it is ideal for outdoor exploration and easy handling by children.
- **Long Battery Life:** Built-in 800mAh rechargeable battery offers up to 3 hours of continuous use.
- **Included P10 Magnifying Glass:** Comes with an additional pocket magnifying glass for broader exploration.

2.2 Components and Accessories

The TOMLOV P30 package includes the following items:

- TOMLOV P30 Digital Microscope

- TOMLOV P10 Pocket Magnifying Glass
- USB Charging Cable
- 16GB Micro SD Card (pre-installed or included separately)
- User Manual

2.3 Product Diagram



Figure 2.3.1: The TOMLOV P30 Digital Microscope (pink, right) and the TOMLOV P10 Pocket Magnifying Glass (grey, left). The P30 features a screen at the top, a power button, and a ribbed grip, with a clear base for viewing. The P10 is a handheld magnifying glass with a screen and control buttons.



Figure 2.3.2: A close-up view of the TOMLOV P10 Pocket Magnifying Glass, held in a hand, showing its screen displaying a magnified view of plant material and its control buttons.

3. SETUP

3.1 Charging the Device

Before first use, fully charge the TOMLOV P30 microscope. Connect the included USB charging 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 indicator light will show the charging status and turn off when fully charged. A full charge provides up to 3 hours of use.



Figure 3.1.1: Two children are shown outdoors, one holding the pink TOMLOV P30 microscope. An icon indicates "3H Battery working time," emphasizing the device's long battery life for outdoor exploration.

3.2 Inserting the Micro SD Card

The TOMLOV P30 comes with a 16GB Micro SD card for storing photos and videos. Locate the Micro SD card slot on the side of the microscope. Gently insert the card with the gold contacts facing down until it clicks into place. To remove, push the card in slightly until it springs out.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press and hold the Power button (usually marked with a circle and vertical line) for a few seconds to turn the microscope on. The LCD screen will light up. To turn off, press and hold the Power button again until the screen shuts down.

4.2 Adjusting Magnification

The P30 offers two primary magnification ranges: 1-100X for standard observation and 500-1000X for high-detail viewing. The microscope automatically adjusts focus within these ranges. For digital zoom, use the designated zoom buttons (if available) or navigate through the menu options.



Figure 4.2.1: A close-up of the TOMLOV P30 microscope's screen, displaying a highly magnified image of a bee, illustrating its capability to "Unlock Tiny Details at 1000X".

4.3 Capturing Photos and Videos

While observing, press the Photo button to capture a still image. Press the Video button to start recording; press it again to stop. All captured media will be saved to the inserted Micro SD card.

Capture And Revisit Children's Favorite Discoveries

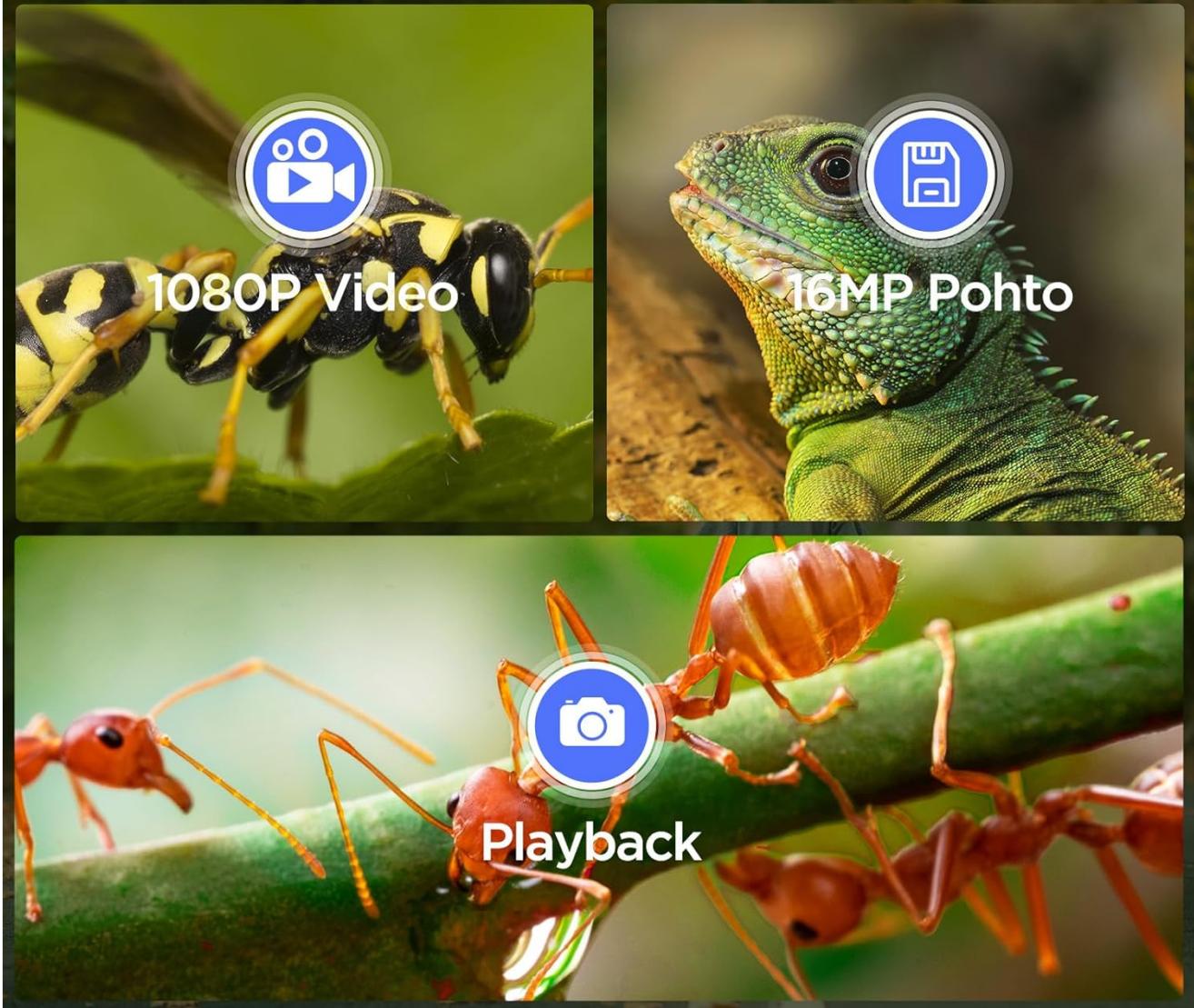


Figure 4.3.1: A graphic illustrating the TOMLOV P30's capabilities: 1080P Video recording, 16MP Photo capture, and Playback functionality, with examples of magnified insects.

4.4 Viewing and Sharing Discoveries

You can review your captured photos and videos directly on the 2-inch LCD screen. Navigate through your media using the directional buttons. The screen allows for easy sharing of observations with others.

**2" Shareable Screen
Have fun with friends**



Figure 4.4.1: A group of children gathered around the TOMLOV P30 microscope, looking at its 2-inch screen, highlighting its "Shareable Screen" feature for collaborative viewing.

To transfer files to a computer, connect the microscope to your PC using the USB cable. The microscope will appear as a removable disk drive, allowing you to copy files. Alternatively, you can remove the Micro SD card and insert it into a card reader connected to your computer.

Edit and Share with PC Ease



Figure 4.4.2: A young girl and an adult are shown at a desk, with the TOMLOV P30 microscope connected via USB to a laptop, demonstrating the ease of editing and sharing discoveries on a PC.

5. MAINTENANCE

5.1 Cleaning

- Use a soft, dry cloth to clean the body of the microscope.
- For the lens and screen, use a lens cleaning cloth or a microfiber cloth specifically designed for optics. Do not use abrasive cleaners or solvents.
- Ensure the device is powered off before cleaning.

5.2 Storage

Store the TOMLOV P30 in a cool, dry place away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case when not in use to prevent dust accumulation and damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully using the provided USB cable.
Screen is blank or frozen.	Software glitch.	Press and hold the Power button for 10 seconds to force a restart.
Cannot save photos/videos.	SD card full or not inserted correctly.	Check if the SD card is properly inserted. Delete old files or replace the SD card if full.
Image is blurry.	Incorrect distance from object or dirty lens.	Adjust the distance between the microscope lens and the object. Clean the lens if necessary.

7. SPECIFICATIONS

Model: P30

Brand: TOMLOV

Magnification: 1-100X (Standard), 500-1000X (High)

Digital Zoom: 4X

Camera Resolution: 16MP

Video Resolution: 1080P

Screen Size: 2-inch LCD

Light Source Type: LED

Power Source: Battery Powered (Built-in 800mAh rechargeable battery)

Battery Life: Up to 3 hours

Material: Plastic

Color: Pink

Weight: Approximately 6 oz

Storage: Supports Micro SD card (16GB included)

ASIN: B0DM94LXT8

Date First Available: November 7, 2024

8. WARRANTY AND SUPPORT

TOMLOV products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or visit the official TOMLOV website. If you encounter any issues or have questions regarding your TOMLOV P30 Digital Microscope, please contact TOMLOV customer support

through their official channels or the retailer from whom you purchased the product. For further assistance, you may visit the [TOMLOV Store on Amazon](#).

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Related Documents - P30

 <p>TOMLOV LCD Digital Microscope Model: DM201 SE</p> <p>User Manual Please read this user manual carefully and keep it for future reference. Should you have any questions, please contact our customer service team. Most technical questions can be answered through our knowledge base. Customer service: support@tomev.com</p>	<p>TOMLOV DM201 SE LCD Digital Microscope User Manual</p> <p>Comprehensive user manual for the TOMLOV DM201 SE LCD Digital Microscope, covering setup, operation, features, specifications, and troubleshooting for optimal use.</p>
 <p>TOMLOV Digital LCD Microscope MODEL: DM201</p> <p>User Manual Please read this user manual carefully and keep it for future reference. Should you have any questions, please contact our customer service team. Most technical questions can be answered through our knowledge base. Customer service: support@tomev.com</p>	<p>TOMLOV DM201 Digital LCD Microscope User Manual</p> <p>User manual for the TOMLOV DM201 Digital LCD Microscope, covering installation, operation, menu settings, specifications, and troubleshooting.</p>
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 <p>SMART POS P30</p>	<p>Smart POS Terminal P30 User Manual and Instructions</p> <p>Comprehensive user manual for the Smart POS Terminal P30, covering accessories, device knowledge, charging, card installation, paper loading, operation, warranty, and FCC compliance.</p>
 <p>User Manual</p>	<p>User Manual for Shenzhen Hongxin NetVision Digital Technology Co., Ltd. P30 Portable Projector</p> <p>This user manual provides comprehensive instructions for operating the Shenzhen Hongxin NetVision Digital Technology Co., Ltd. P30 Portable Projector, including safety guidelines, interface descriptions, setup, and troubleshooting.</p>
 <p>Kxunda P30</p>	<p>Kxunda P30 Kids Tablet Operation Manual</p> <p>Comprehensive operation manual for the Kxunda P30 Kids Tablet, covering setup, features, applications, and system configuration. Learn how to use your kids tablet effectively.</p>