

KKnoon E26388

KKnoon 10.1-inch 3 Lens 2K TV Digital Microscope E26388 User Manual

Model: E26388

1. INTRODUCTION

Thank you for choosing the KKnoon 10.1-inch 3 Lens 2K TV Digital Microscope. This device is designed for detailed observation and analysis, featuring a 10.1-inch IPS screen, 2K video recording, and 24MP photo capture capabilities. It includes three interchangeable lenses offering magnifications up to 2500X, suitable for various applications such as coin inspection, soldering, and biological slide observation. This manual provides essential information for setting up, operating, and maintaining your microscope.

2. PRODUCT FEATURES

- **Triple-Lens System:** Easily switch between 1000X, 1500X, and 2500X lenses for diverse observation needs.
- **High-Resolution Display:** Integrated 10.1-inch IPS screen with 2K video resolution and 24MP photo capability, offering a 178-degree viewing angle.
- **Adjustable Stand:** Provides a stable and spacious work area, particularly useful for soldering and larger objects.
- **Integrated LED Lighting:** Multiple LED lights ensure optimal illumination for clear viewing.
- **PC/TV Compatibility:** Connects to external monitors or computers for larger display and data transfer.
- **Storage:** Supports up to 64GB Micro SD card for saving images and videos.
- **Remote Control:** For convenient operation and capture.



Figure 2.1: Overview of key product features.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x 10.1 Inches 3 Lens HDMI Digital Microscope
- 1 x 12.6 Inches Adjustable Stand
- 1 x 64GB Micro SD Card
- 1 x Slides Bottom Light
- 1 x Remote Control
- 2 x USB Cables
- 1 x TV Cable
- 1 x User Manual (English)

4. SETUP INSTRUCTIONS

4.1. Assembly

1. Unpack all components from the box.
2. Attach the microscope unit to the adjustable stand. Ensure it is securely fastened.
3. Connect the power adapter to the microscope and a power outlet.
4. Insert the provided 64GB Micro SD card into the designated slot on the microscope.
5. Position the slides bottom light as needed for additional illumination.

4.2. Initial Power On

Press and hold the power button on the microscope unit or the remote control to turn on the device. The 10.1-inch IPS screen will illuminate.

5. OPERATING INSTRUCTIONS

5.1. Lens Adjustment and Magnification

The microscope features a rotating lens barrel for easy switching between the three included lenses. Each lens offers a different magnification range and working distance:

- **1000X Lens:** Magnification range of 2X to 1000X. Ideal for observing entire coins and fine details. Working distance: 8mm-220mm.
- **1500X Lens:** Magnification range of 10X to 1500X. Suitable for intricate tasks such as PCB soldering and watch repair. Working distance: 38mm-200mm.
- **2500X Lens:** Magnification range of 2000X to 2500X. Designed for exploring microscopic details, perfect for biological slides. Working distance: 3mm-5mm.

To change lenses, gently rotate the lens barrel until the desired lens clicks into place. Use the fine adjustment knob on the stand to adjust the focus.

Observation of Biological Slides

2500X

Suitable for biological slides / mite observation.



Figure 5.1: Lens adjustment mechanism and available magnifications.

5.2. Focusing

After selecting a lens, place the object on the base. Rotate the fine adjustment knob on the side of the stand to bring the image into sharp focus on the screen.

5.3. LED Illumination

The microscope is equipped with multiple LED lights. Use the controls on the microscope unit or remote to adjust the brightness and direction of the lights for optimal viewing conditions.

5.4. Capturing Photos and Videos

Press the designated photo/video button on the microscope or remote control to capture images or start/stop video recording. Files will be saved to the inserted Micro SD card.

5.5. Connecting to PC/TV

Use the provided USB cable to connect the microscope to a computer or the TV cable to connect to a television. The microscope can function as a webcam or display its output on the external screen. Refer to your computer or TV's input

settings to select the correct source.

6. APPLICATIONS

6.1. Coin Observation (1000X Lens)

The 1000X lens is specifically designed for examining coins, allowing for detailed inspection of minting errors, engravings, and overall condition. Its working distance accommodates viewing entire coins.



Figure 6.1: Microscope in use for coin appraisal.

6.2. Soldering and Repair (1500X Lens)

The 1500X lens provides the necessary magnification and working distance for precision tasks such as soldering electronic components on PCBs or repairing delicate watch mechanisms. The adjustable stand offers a stable platform for these activities.

Good Helper for Maintenance



1500X

Suitable for PCB
soldering/dial repair

Figure 6.2: Microscope assisting in PCB soldering.

6.3. Biological Slide Observation (2500X Lens)

For high-magnification viewing of biological specimens, the 2500X lens offers exceptional clarity. This lens is suitable for hobbyists and students interested in exploring cellular structures and other microscopic details on prepared slides.

8 Core Selling Points

IPS
Excellent visual experience

New Upgrade
Trinity lenses, adjusted at your fingertips

Remote Control
More convenient operation

360°
All-round illumination

10.1-inch
HD screen

64GB
Ultra-large memory card storage without constraints

3 Hours
Long endurance

PC/TV
Multi-device compatible

Figure 6.3: Observing biological slides with the 2500X lens.

7. MAINTENANCE

7.1. Cleaning

- **Lenses:** Use a soft, lint-free cloth specifically designed for optical lenses. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth, not directly to the lens.
- **Screen:** Wipe the IPS screen with a soft, dry microfiber cloth. Avoid harsh chemicals.
- **Body:** Clean the microscope body and stand with a slightly damp cloth. Ensure no liquid enters the electronic components.

7.2. Storage

Store the microscope in a clean, dry environment away from direct sunlight and extreme temperatures. When not in use, cover the lenses to protect them from dust.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; power outlet faulty; battery drained.	Check power connections; try a different outlet; charge the microscope.
Blurred image	Incorrect focus; dirty lens; wrong working distance for selected lens.	Adjust the fine adjustment knob; clean the lens; ensure correct lens for object distance.
Cannot save photos/videos	Micro SD card full or not inserted correctly; card faulty.	Check Micro SD card insertion; delete old files; try a different card.
No image on external display	Incorrect cable connection; wrong input source selected on TV/PC.	Verify cable connections; select correct HDMI/USB input on external device.

9. SPECIFICATIONS

Feature	Detail
Model	LP101T (E26388)
Material	ABS
Screen Size	10.1 inches
Screen Type	IPS
Viewing Angle	178 Degrees
Photo Resolution	24MP
Video Resolution	2K
Maximum Magnification	2500X
Storage	64GB Micro SD Card (included)
Power Source	AC/DC
Item Size	26 * 25 * 7.5cm / 10.24 * 9.84 * 2.95in
Item Weight	638g / 1.41lb

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact KKnoon customer service through the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

