

AOPICK 331B

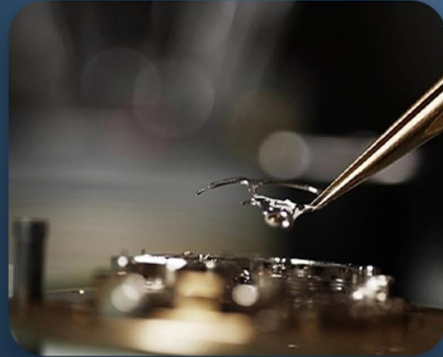
AOPICK 7" LCD Digital Microscope User Manual

Model: 331B

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your AOPICK 7" LCD Digital Microscope. Designed for detailed observation and analysis, this microscope is suitable for various applications including electronic repair, coin identification, and biological observation. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

Use in multiple scenarios



Clock Repair



Animal and plant observation



Coin identification



Industrial inspection

Figure 1: The AOPICK digital microscope is versatile, suitable for applications such as clock repair, observing plants and animals, coin identification, and industrial inspection.

PACKAGE CONTENTS

- AOPICK 7" LCD Digital Microscope Unit
- Metal Stand Assembly (Base, Pillar, Holder)
- Wireless Remote Control
- 32GB Micro SD Card
- USB-C Cable
- User Manual (this document)

PRODUCT OVERVIEW

Familiarize yourself with the components and key features of your digital microscope.



Figure 2: Main components of the AOPICK 7" LCD Digital Microscope, including the display unit, stand, remote control, and Micro SD card.

Product size

INTRODUCE

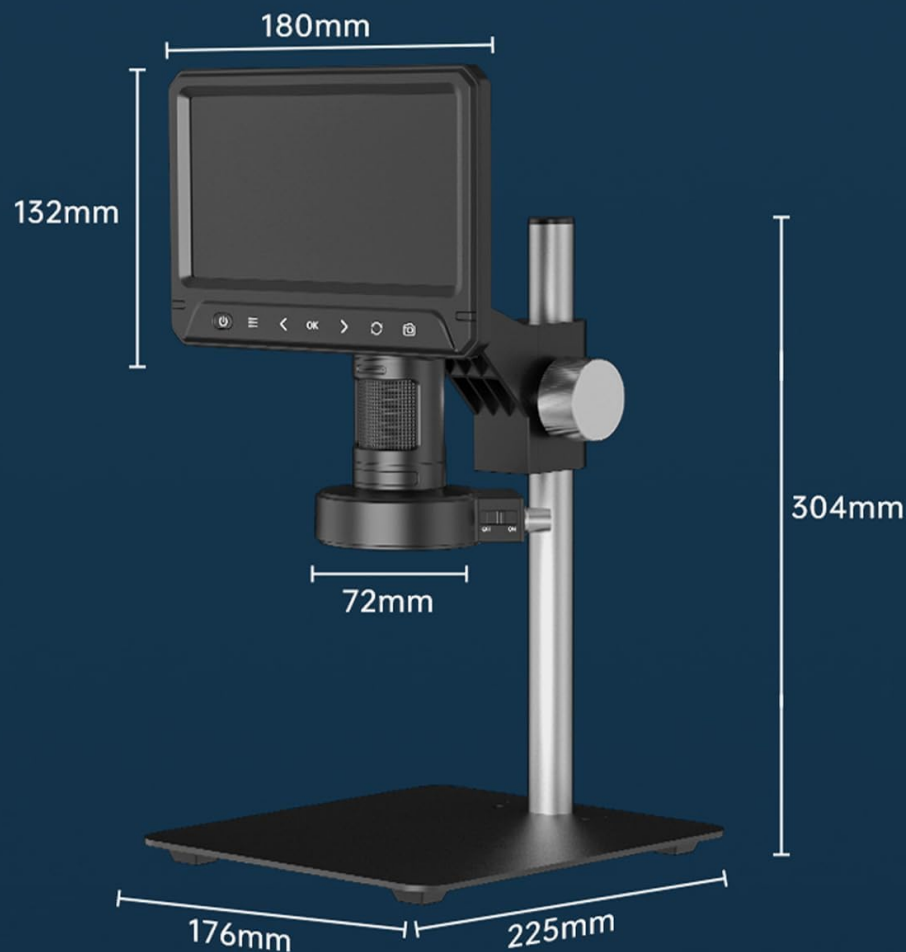


Figure 3: Detailed product dimensions for the AOPICK 7" LCD Digital Microscope, showing height, width, and depth measurements.

Key Features:

- **7-Inch IPS Screen:** Large display for comfortable viewing and detailed analysis.
- **12MP Camera Sensor:** Captures high-resolution images and 1080P HD video.
- **30-LED Ring Light:** Provides uniform and bright illumination for clear observation.
- **50X-1600X Magnification:** Adjustable magnification for various levels of detail.
- **Sensitive Touch Control & 2.4G Wireless Remote:** Easy and precise operation.
- **6.9" Metal Workspace:** Spacious and stable platform for objects.
- **PC Compatibility:** Connects to Windows/MacOS for larger display and data analysis.
- **Photo and Video Functions:** Records observations directly to a Micro SD card.
- **Ergonomic Design:** Screen rotates 90 degrees for comfortable viewing angles.
- **Solid Metal Frame:** Durable aluminum alloy construction for stability.

12 million pixels fully upgraded

50-1200 times magnification,
rich layers and more beautiful details



Figure 4: Examples of the 50-1200 times magnification capability, showcasing rich layers and detailed views of various objects.

SETUP

1. **Assemble the Stand:** Secure the metal pillar to the base. Attach the microscope holder to the pillar.
2. **Mount the Microscope Unit:** Slide the microscope display unit into the holder and tighten the securing knob.
3. **Insert Micro SD Card:** Locate the Micro SD card slot on the microscope unit and insert the provided 32GB card until it clicks into place.
4. **Power On:** Connect the USB-C cable to the microscope and a power source (e.g., USB adapter, computer USB port). The microscope has a built-in battery; ensure it is charged for portable use.

OPERATING INSTRUCTIONS

Basic Operation:

1. **Power On/Off:** Press and hold the power button on the microscope unit or remote control to turn the

device on or off.

2. **Adjusting Magnification and Focus:** Rotate the focus knob on the microscope lens to achieve a clear image. Adjust the height of the microscope unit on the stand to change the working distance and overall magnification.
3. **Screen Rotation:** The 7-inch IPS screen can be rotated up to 90 degrees for optimal viewing angles.



Figure 5: The 7-inch HD screen offers clear picture quality and can be rotated 90 degrees for ergonomic viewing.

4. **Adjusting LED Illumination:** The 30-LED ring light provides uniform illumination. Use the controls on the microscope or remote to adjust brightness levels.

Comfortable Light Evenly Without Ghosting

Wide diameter, illuminating
light, soft glow, not dazzling



Brightness Adjustable:



Figure 6: The 30-LED ring light provides comfortable, even illumination without ghosting, with adjustable brightness settings.

Photo and Video Recording:

- Press the "Photo" button on the microscope or remote to capture still images.
- Press the "Video" button to start and stop video recording.
- All captured images and videos are saved to the inserted Micro SD card.

PC Connection:

The microscope can be connected to a Windows or MacOS computer for a larger display and data analysis.

1. Connect the microscope to your computer using the provided USB-C cable.
2. For Windows, open the default "Windows Camera" application.
3. For MacOS, open the "Photo Booth" application.
4. The microscope should be recognized as a webcam, displaying the live feed on your computer screen.



Figure 7: The microscope can be connected to a PC (Windows XP/Vista/7/8/10/11, MacOS X 11.0 or higher) for a larger viewing experience.

MAINTENANCE

- **Cleaning the Lens and Screen:** Use a soft, lint-free cloth specifically designed for optical surfaces to clean the lens and screen. Do not use abrasive cleaners or solvents.
- **Cleaning the Body:** Wipe the microscope body and stand with a dry or slightly damp cloth.
- **Storage:** Store the microscope in a clean, dry, and dust-free environment when not in use.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially if stored for long periods.



Figure 8: The microscope is equipped with a high-quality 3000mAh lithium battery, providing approximately 120 minutes of use on a 180-minute charge.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Microscope does not power on.	Low battery or power cable not connected.	Charge the battery or ensure the USB-C cable is securely connected to a power source.
Image is blurry.	Incorrect focus or working distance.	Adjust the focus knob and/or the height of the microscope on the stand.
No image on PC when connected.	Incorrect software selected or USB connection issue.	Ensure "Windows Camera" (Windows) or "Photo Booth" (MacOS) is open and the microscope is selected as the camera source. Check USB-C cable connection.

Problem	Possible Cause	Solution
Cannot save photos/videos.	Micro SD card full, not inserted correctly, or corrupted.	Check if the Micro SD card is properly inserted. Delete old files or replace the card if full/corrupted. Ensure the card is formatted correctly (FAT32).

SPECIFICATIONS







Feature	Detail
Model Name	331B
Screen Size	7-inch IPS
Camera Sensor	12 Megapixels
Video Resolution	1080P HD
Magnification Range	50X - 1600X
Light Source	30-LED Ring Light
Storage	Micro SD Card (up to 128GB, 32GB included)
PC Compatibility	Windows XP/Vista/7/8/10/11, MacOS X 11.0 or higher
Battery Capacity	3000mAh
Material	Aluminum Alloy (Stand), Plastic (Microscope Unit)
Product Dimensions	11.41"L x 5.11"W x 13.85"H
Item Weight	4.6 Pounds

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official AOPICK website. Keep your purchase receipt as proof of purchase for warranty claims.

Online Resources:

- AOPICK Official Store: <https://www.amazon.com/stores/Aopick/page/3554E35C-AFDE-482E-B0EC-8FD4AF1B0AF6>

	<p><u>HD Industrial Endoscope G30-M User Guide</u></p> <p>This document provides a comprehensive guide to the HD Industrial Endoscope Model G30-M, including product description, safety and maintenance instructions, function introduction, troubleshooting FAQ, and specifications.</p>
	<p><u>SKYEAR 4.3" Digital Microscope User Manual - Features & Operation Guide</u></p> <p>Comprehensive user manual for the SKYEAR 4.3-inch digital microscope, detailing its 1000X magnification, 8 LED lights, and PC connectivity for detailed observation. Includes Aopick product information.</p>
	<p><u>Pro'sKit SS-331 LCD Desoldering Station User Manual</u></p> <p>User manual for the Pro'sKit SS-331 LCD Desoldering Station, detailing its features, technical specifications, operating instructions, safety precautions, and maintenance.</p>
	<p><u>W400-B Intelligent Visual Industrial Endoscope User Manual</u></p> <p>This document provides a comprehensive guide to the W400-B Intelligent Visual Industrial Endoscope, including product description, safety and maintenance instructions, app installation and usage, troubleshooting, and specifications. The endoscope connects directly to industrial mobile phones for high-definition visual inspection.</p>
	<p><u>HD Industrial Endoscope G30-M User Manual & Specifications</u></p> <p>Comprehensive user manual and technical specifications for the AOPICK G30-M HD Industrial Endoscope. Features a 4.3-inch color display, 1080P HD camera, LED lighting, and includes safety guidelines, operation instructions, charging information, troubleshooting FAQ, accessory guide, and detailed specs.</p>
	<p><u>Aopick W300Pro Smartphone Endoscope User Manual and Guide</u></p> <p>Comprehensive user manual for the Aopick W300Pro Smartphone Endoscope, detailing product features, safety instructions, app installation, WiFi connection, troubleshooting, and technical specifications.</p>