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Andonstar AD208

Andonstar AD208 Coin Microscope User Manual

Model: AD208

1. INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Andonstar AD208 Coin Microscope. Designed for precision viewing, this digital microscope is suitable for various applications including coin inspection, PCB repair, soldering, jewelry examination, and general scientific observation. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The Andonstar AD208 features an 8.5-inch LCD screen, an adjustable metal stand, and integrated lighting for clear observation of magnified objects. Key components are described below and illustrated in the accompanying images.



Figure 2.1: The Andonstar AD208 Coin Microscope, showcasing its 8.5-inch LCD screen and adjustable stand with integrated lighting, observing a circuit

board.

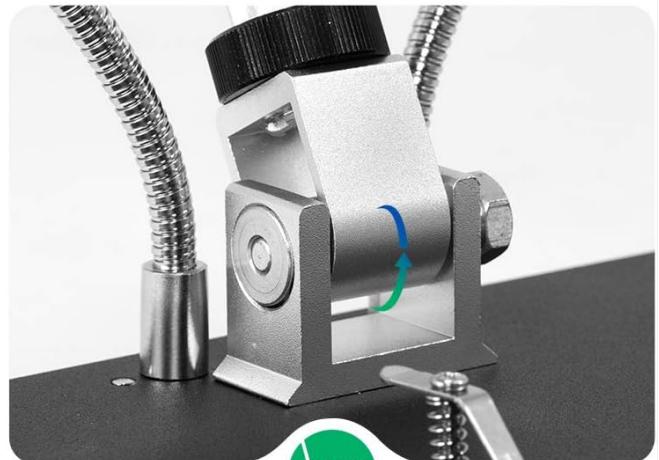
2.1 Key Components

- **8.5-inch LCD Screen:** Provides a large, clear display for viewing magnified images.
- **Adjustable Metal Stand:** Offers stability and allows for precise height and angle adjustments of the microscope head.
- **Focus Controller:** A rotating knob used to achieve a sharp image.
- **Built-in LED Lights:** Eight integrated LEDs provide primary illumination.
- **Adjustable Fill LED Lights:** Two flexible, external LED lights on the stand for additional, directional illumination.
- **Micro-SD Card Slot:** For storing captured photos and recorded videos.
- **Control Buttons:** Located below the screen for power, menu, mode, and capture functions.

Detail show



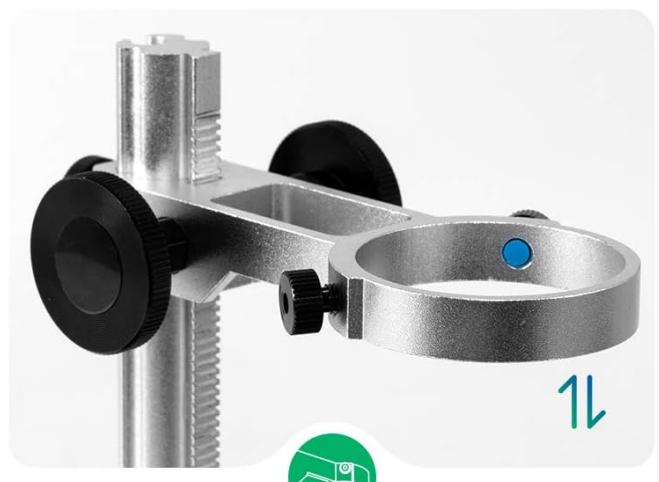
Two metal fixed clips



180° Adjustable stand



Two metal fill LED lights



Metal optical bracket

Figure 2.2: Detailed view of the microscope's components, including the two metal fixed clips on the base, the 180-degree adjustable stand, the two metal fill LED lights with 360-degree rotation, and the metal optical bracket for holding the microscope lens.

Detail show

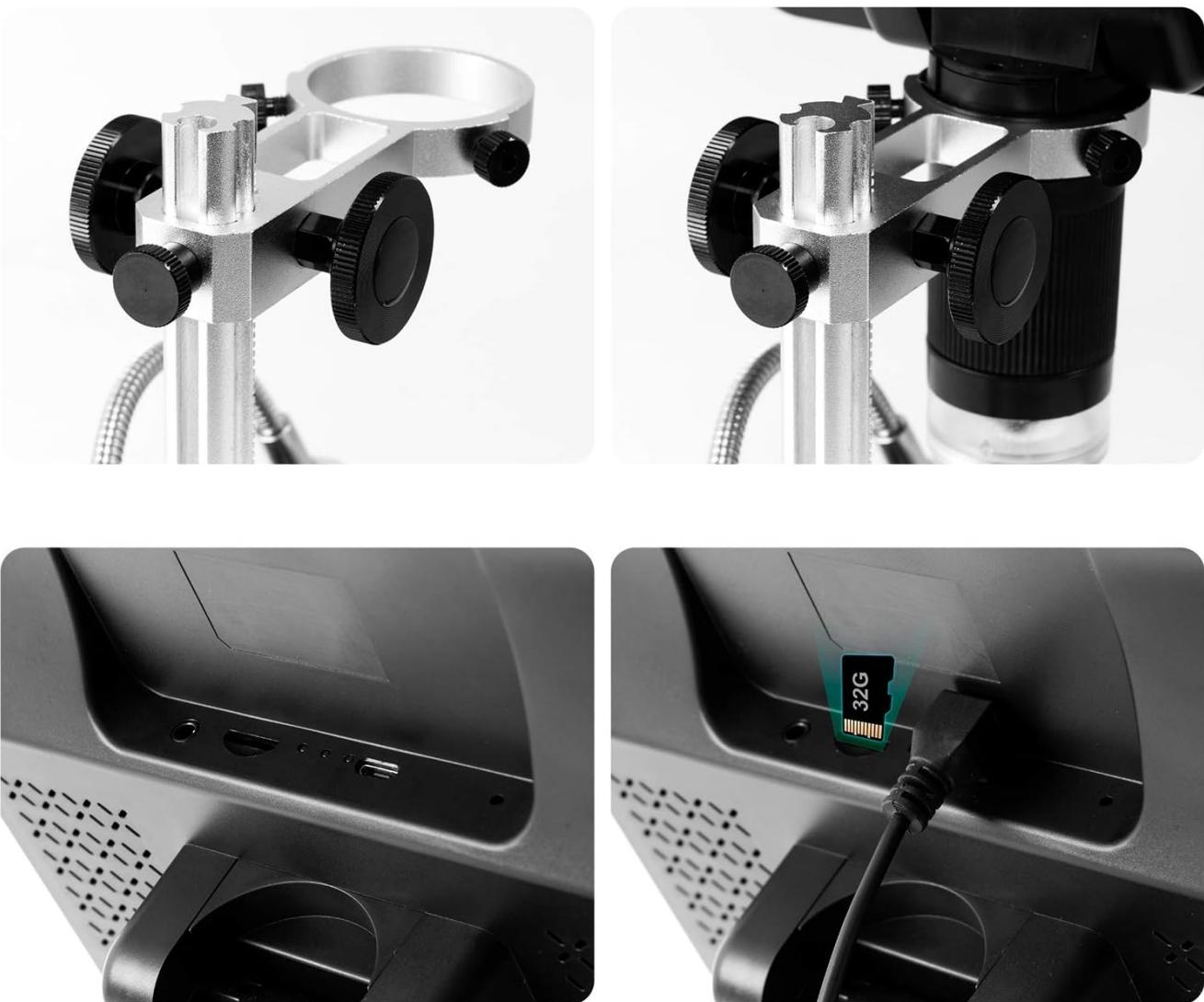


Figure 2.3: Close-up images showing the metal optical bracket for secure lens positioning and the micro-SD card slot for data storage.

3. SETUP INSTRUCTIONS

Follow these steps to assemble and prepare your microscope for first use.

3.1 Assembly

1. Carefully unpack all components from the packaging.
2. Attach the microscope unit (with the LCD screen) to the adjustable metal stand. Ensure it is securely fastened.
3. Position the two flexible fill LED lights on the stand as desired.
4. Connect the power adapter to the microscope and plug it into a power outlet.

3.2 Micro-SD Card Installation

- Locate the micro-SD card slot on the side of the microscope unit.
- Insert a compatible micro-SD card (not included) into the slot until it clicks into place. Ensure the card is inserted in the correct orientation.
- The device supports photo and video recording only when a micro-SD card is installed.

4. OPERATING INSTRUCTIONS

This section details how to operate your Andonstar AD208 microscope.

4.1 Power On/Off

- To power on the microscope, press and hold the power button located below the screen.
- To power off, press and hold the power button again until the screen turns off.

4.2 Focusing and Magnification

Achieving a clear image involves adjusting both the distance to the object and the focus controller.

1. Place the object you wish to observe on the base plate.
2. Adjust the height of the microscope head using the knob on the bracket. The lower the height, the greater the magnification (up to 260X).
3. Rotate the focus controller (the ring around the lens) until the image on the screen becomes clear and sharp.



Figure 4.1: Rotate the focus controller to obtain a clear image of the object under observation.

4.3 Adjusting Illumination

The microscope is equipped with multiple light sources to ensure optimal viewing conditions.

- The 8 built-in LEDs provide general illumination.
- The two adjustable/flexible fill LEDs on the stand can be positioned to eliminate shadows or highlight specific areas. Adjust their brightness as needed.



Figure 4.2: The two flexible LED lights provide additional illumination, useful for reducing shadows and enhancing detail.

4.4 Capturing Images and Recording Videos

With a micro-SD card inserted, you can capture high-resolution images and videos.

- Press the "OK" button to take a still photo.

- Press the "M" button to switch to video recording mode, then press "OK" to start/stop recording.
- It is possible to capture still photos while a video is being recorded.

4.5 Screen Adjustment

The 8.5-inch LCD screen can be adjusted for optimal viewing angles.

- The screen can be tilted up to 270 degrees, allowing for more convenient observation from various positions.



Figure 4.3: The microscope screen can be tilted up to 270 degrees for comfortable viewing.

5. MAINTENANCE

Proper maintenance ensures the longevity and performance of your microscope.

- **Cleaning the Lens and Screen:** Use a soft, lint-free cloth specifically designed for optical surfaces. Do not use abrasive cleaners or solvents.
- **General Cleaning:** Wipe the body of the microscope and stand with a dry or slightly damp cloth.
- **Storage:** Store the microscope in a clean, dry environment away from direct sunlight and extreme temperatures.
- **Battery Care:** The device includes a Lithium Metal battery. For optimal battery life, avoid fully discharging the battery frequently and store the device with a partial charge if not used for extended periods.

6. TROUBLESHOOTING

Refer to this section for solutions to common issues.

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Incorrect focus adjustment; incorrect distance to object; insufficient lighting.	Adjust the focus controller. Adjust the height of the microscope head. Ensure adequate lighting from both built-in and fill LEDs.
Cannot capture photos or record videos.	No micro-SD card inserted; micro-SD card is full or corrupted; incorrect mode selected.	Insert a compatible micro-SD card. Check the card's storage capacity and format if necessary. Ensure the device is in photo or video mode.
No power.	Power adapter not connected; power outlet issue; battery discharged.	Ensure the power adapter is securely connected and plugged into a working outlet. Charge the internal battery.
Screen is too dark or too bright.	LED brightness settings are incorrect.	Adjust the brightness of the built-in and fill LED lights.

7. SPECIFICATIONS

Key technical specifications for the Andonstar AD208 Coin Microscope.

- **Model:** AD208
- **Screen Size:** 8.5 inches LCD
- **Magnification:** Up to 260X
- **Image Sensor:** Native 2MP CMOS HD sensor
- **Storage:** Micro-SD card slot (card not included)
- **Illumination:** 8 built-in LEDs + 2 adjustable fill LEDs
- **Power Source:** 5 Volts (Lithium Metal battery included)
- **Product Dimensions:** 6 x 5.4 x 5.55 inches (L x W x H)
- **Item Weight:** 3.08 pounds (1.4 Kilograms)
- **Material:** Metal, Plastic
- **Manufacturer:** ShenZhen Andonstar Technology Co., Ltd



Figure 7.1: Dimensions of the microscope, illustrating the 6.0-inch base length, 5.4-inch base width, and 5.55-inch height, providing a larger working space.

8.5" LCD screen

7" LCD screen



Figure 7.2: Visual comparison highlighting the larger 8.5-inch LCD screen of the Andonstar AD208 model.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the manufacturer's official documentation or contact Andonstar customer service.

- **Manufacturer:** ShenZhen Andonstar Technology Co., Ltd
- **Return Policy:** Please refer to your retailer's return policy for details (e.g., 30-day return policy on Amazon).
- For further assistance, visit the [Andonstar Store on Amazon](#).

Related Documents - AD208

 <p>User Guide Of Digital Microscope AD208</p>	<p>Andonstar AD208 Digital Microscope User Guide</p> <p>Comprehensive user guide for the Andonstar AD208 digital microscope, covering safety instructions, installation, button descriptions, quick start, operation, settings, frequently asked questions, and warranty information.</p>
 <p>Instructions of Digital Microscope AD409</p>	<p>Andonstar AD409 Digital Microscope User Manual and Instructions</p> <p>Comprehensive user manual for the Andonstar AD409 digital microscope, covering safety, specifications, installation, operation, software usage, WiFi connectivity, and warranty information.</p>
 <p>Digital Microscope 207S Users Manual</p>	<p>Andonstar 207S Digital Microscope User Manual</p> <p>Comprehensive user manual for the Andonstar 207S Digital Microscope, covering safety, specifications, assembly, operation, software, FAQ, and warranty. Learn how to use your digital microscope for detailed inspection and measurement.</p>
 <p>Components List</p> <p>Tools for assembly or disassembly. Please note the order of use of individual tools can affect the assembly or disassembly of the microscope. Please use the tools in the order listed below. If the order is reversed, it may damage the microscope. Please use the tools in the order listed below. If the order is reversed, it may damage the microscope.</p>	<p>Andonstar Digital Microscope Assembly Guide</p> <p>Step-by-step assembly instructions for Andonstar digital microscopes, including component identification and assembly procedures.</p>
 <p>Digital Microscope AD409-Max Users Manual</p> <p>Thank you for purchasing our products. In order to obtain the best performance of your product and the correct use of the function, we have prepared this manual. Please read the manual carefully before using the product. If you have any questions or problems, please contact our customer service.</p>	<p>Andonstar AD409-Max Digital Microscope User Manual</p> <p>This user manual provides comprehensive instructions for the Andonstar AD409-Max digital microscope, covering setup, operation, features, software usage, troubleshooting, and warranty information.</p>
 <p>Digital Microscope 407-pro Users Manual</p>	<p>Andonstar AD407-pro Digital Microscope User Manual</p> <p>Comprehensive user manual for the Andonstar AD407-pro digital microscope, covering setup, operation, features, settings, troubleshooting, and warranty information.</p>

