

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Andonstar](#) /

› [Andonstar AD115 Digital Microscope User Manual - Flexible Arm Stand](#)

Andonstar AD115-Arm

Andonstar AD115 Digital Microscope User Manual

Model: AD115-Arm

1. INTRODUCTION

The Andonstar AD115 is a versatile digital microscope designed for a wide range of applications, from electronics soldering and repair to coin inspection and educational exploration. It features a 5-inch IPS screen, adjustable LED illumination, and a flexible boom arm stand for optimal positioning. This manual provides detailed instructions for setup, operation, and maintenance to ensure proper use and longevity of your device.

2. WHAT'S IN THE BOX

Carefully unpack your Andonstar AD115 Digital Microscope and verify that all components are present:

- 5-inch IPS Handheld Microscope
- Flexible Boom Arm Stand
- USB-C Cable
- User Manual (this document)

Mac/Windows PC output



Figure 2.1: All components included in the Andonstar AD115 package.

3. PRODUCT OVERVIEW

The Andonstar AD115 combines a portable handheld microscope with a flexible arm stand, offering dual functionality for various inspection needs. The device features a 5-inch IPS screen for clear viewing and intuitive controls for ease of use.

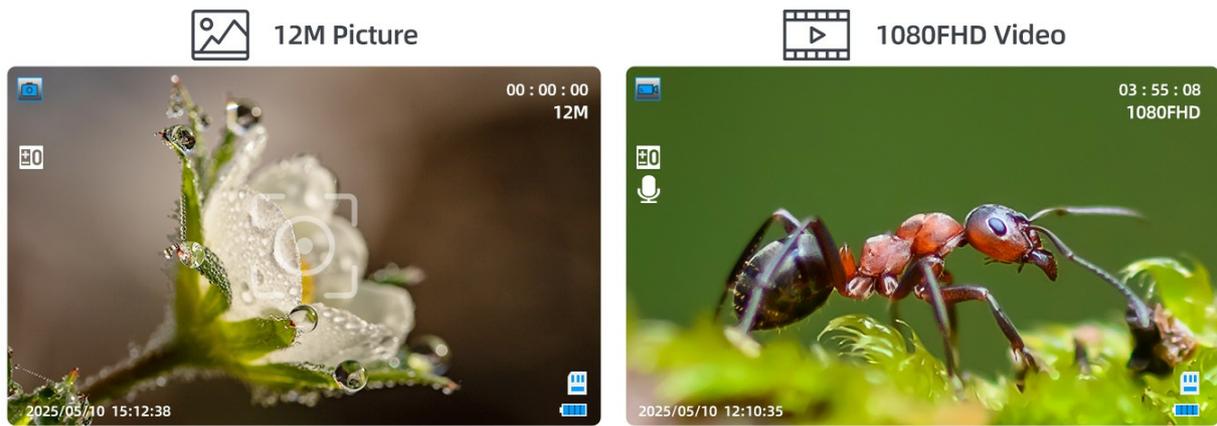


Figure 3.1: Front view of the Andonstar AD115 Digital Microscope highlighting the screen and control panel.

3.1 Key Features

- **2-in-1 Flexibility:** Functions as a portable handheld microscope or a stable tabletop workstation with the flexible boom arm stand.
- **5-inch IPS Screen:** Provides a clear and wide viewing angle for detailed observation.
- **Adjustable LED Illumination:** Integrated LED lights with adjustable brightness ensure optimal visibility of specimens.
- **Shake-Free Distance Adjustment Ring:** Enables micro-focus adjustment for steady, clear images.
- **One-Hand Operation:** Designed for easy focus adjustment, brightness control, and photo/video capture with a single hand.
- **PC Connectivity:** USB-C compatibility for Mac (Photo Booth) and Windows (System Camera) for seamless image transfer and sharing.
- **Long-Lasting Battery:** 900mAh battery provides approximately 2.5 hours of continuous use for outdoor exploration.

4. SETUP INSTRUCTIONS

Follow these steps to assemble and set up your Andonstar AD115 Digital Microscope with the flexible arm stand.

4.1 Assembling the Flexible Arm Stand

1. **Secure the C-Clamp:** Attach the C-clamp to the edge of a stable table or workbench. Tighten the screw until the clamp is firmly secured.
2. **Assemble the Flexible Arm Stand:** Insert the base of the flexible arm into the C-clamp. Ensure it is seated correctly and tighten any securing knobs.
3. **Mount the AD115 Microscope:** Attach the AD115 microscope to the flexible arm using the provided screw and ring. Ensure the microscope is securely fastened.
4. **Final Installation Check:** Verify all connections are tight and the stand is stable before use.

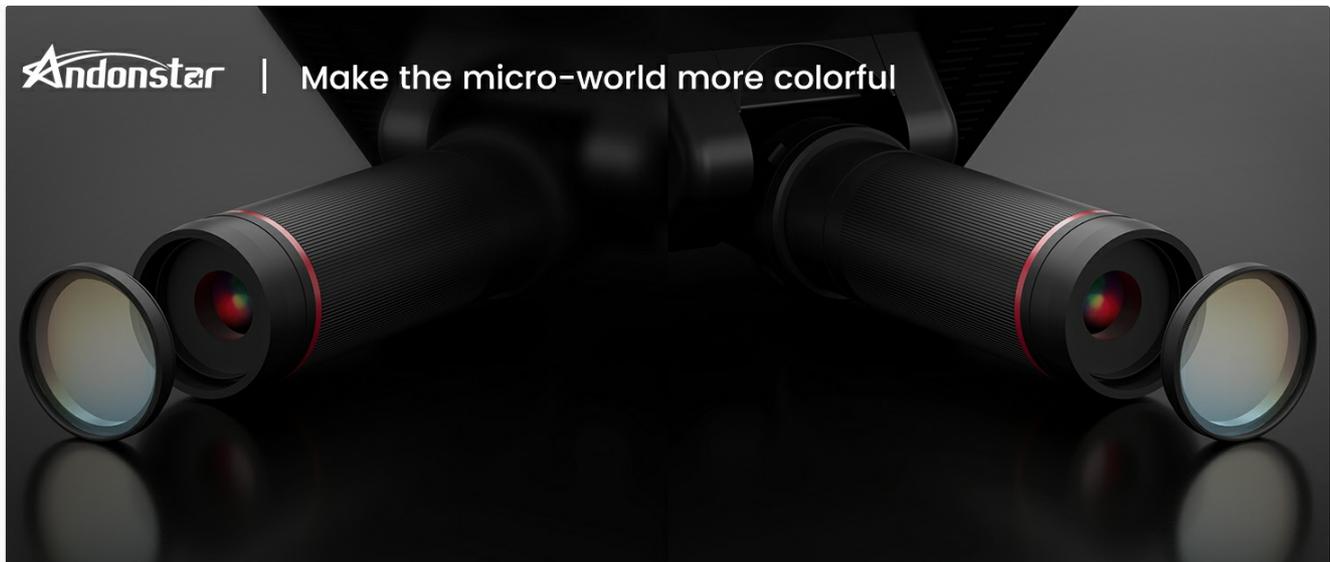


Figure 4.1: Visual guide for assembling the flexible arm stand and attaching the microscope.

4.2 Video Guide: Unboxing and Setup

Video 4.1: An unboxing and initial setup guide for the Andonstar AD115 Digital Microscope, demonstrating how to unpack and prepare the device for first use.

5. OPERATING INSTRUCTIONS

This section details how to operate your Andonstar AD115 Digital Microscope.

5.1 Power On/Off

Press and hold the power button (usually marked with a power symbol) on the microscope to turn it on or off. The 5-inch screen will display a welcome message upon startup.



Figure 5.1: Powering on the handheld digital microscope.

5.2 Adjusting LED Lights

The microscope is equipped with built-in LED lights. Use the dedicated light adjustment controls (often a wheel or buttons marked with +/- light symbols) to increase or decrease the brightness for optimal illumination of your specimen.

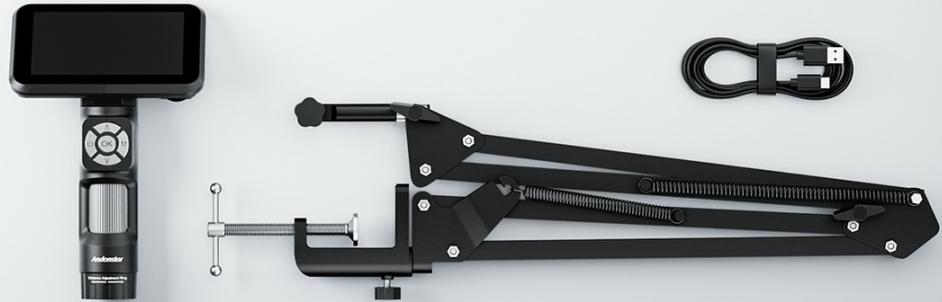


Figure 5.2: Adjusting the brightness of the integrated LED lights.

5.3 Focusing and Zoom

Use the focus ring on the microscope body to achieve a clear image. The shake-free distance adjustment ring allows for micro-focus adjustments at different distances, ensuring steady images. Digital zoom can be controlled via the Up/Down buttons on the control panel.

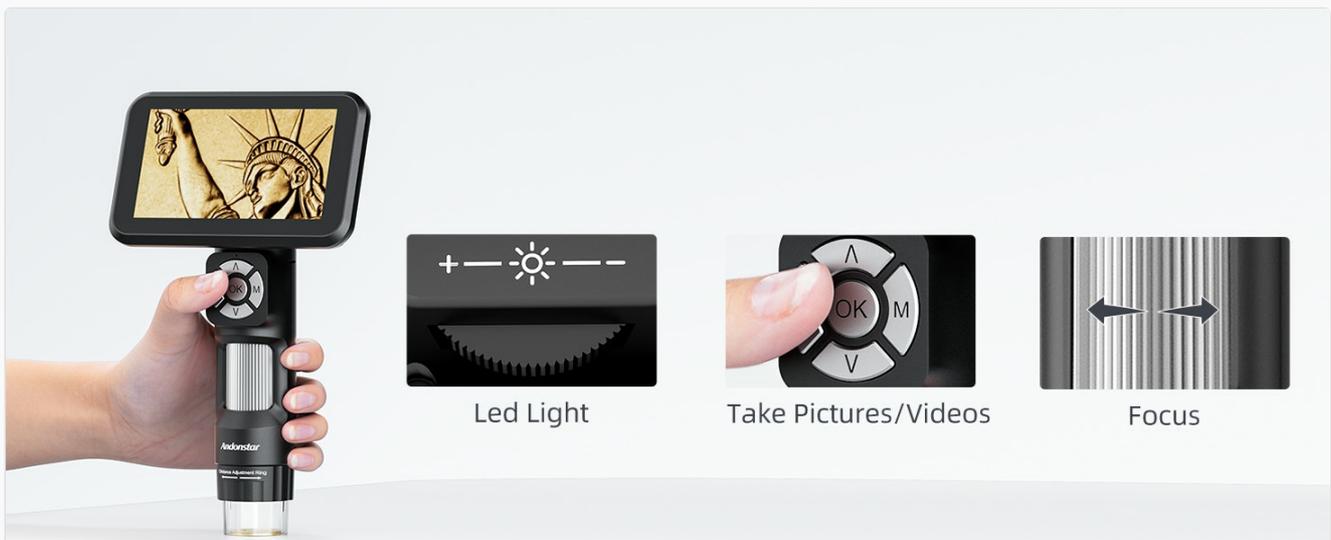


Figure 5.3: Demonstrating focus and zoom controls on the microscope.

5.4 Taking Photos and Recording Videos

Press the 'OK' button to capture a photo or start/stop video recording. Ensure an SD card is inserted for saving media. The microscope supports 12M pictures and 1080FHD video recording.



System Camera for Windows
Photo Booth for Mac



Figure 5.4: Interface for photo and video capture.

5.5 PC Connectivity

Connect the microscope to your computer using the provided USB-C cable. For Mac users, use Photo Booth. For Windows users, the device will function as a System Camera, allowing you to view, transfer, edit, and share microscopic findings directly on your PC.



Method 1: Use a table as a support



Method 2: Hold the microscope upright above objects



Method 3: Use with the flexible arm stand

Figure 5.5: Connecting the microscope to a computer for external display and data transfer.

6. MODES OF USE

The Andonstar AD115 offers flexible usage options:

6.1 Handheld Mode

For portable inspection, the microscope can be used independently. Its lightweight design and one-hand operation make it suitable for fieldwork or quick examinations.



Figure 6.1: Using the microscope in handheld mode.

6.2 Flexible Arm Stand Mode

For stable, hands-free operation, attach the microscope to the flexible boom arm stand. This mode is ideal for detailed work requiring precise positioning and stability, such as soldering or prolonged observation.



Figure 6.2: The microscope mounted on the flexible arm stand for stable viewing.

6.3 Video Guide: Using with Flexible Arm

Video 6.1: Demonstrates the practical use of the AD115 handheld digital microscope when attached to its flexible arm stand, showcasing its stability and adjustability for various tasks.

7. APPLICATIONS

The Andonstar AD115 is suitable for a variety of uses:

7.1 Coin Inspection

The flexible arm stand allows for effortless shifting from a full-coin overview to microscopic detail, providing complete visibility for various coin sizes. It is ideal for identifying mint errors, doubling, and die varieties.

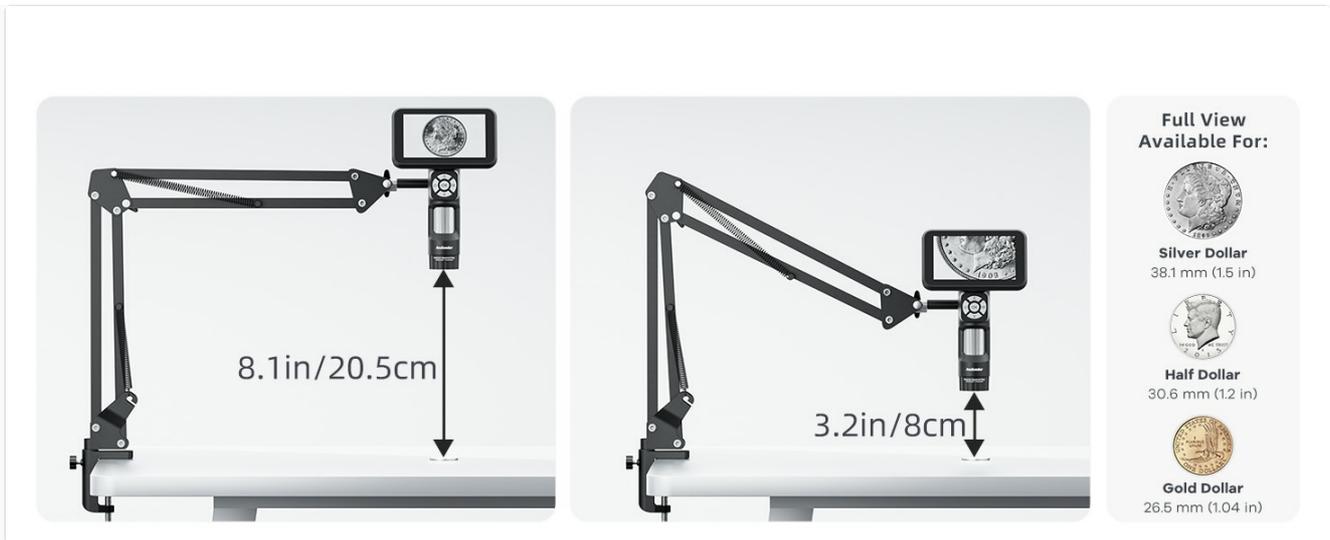


Figure 7.1: Detailed inspection of coins using the microscope.

7.2 Electronics Soldering and Repair

The stable stand and clear display make the AD115 an excellent tool for examining circuit boards, soldering small components, and performing intricate electronics repairs.



Figure 7.2: Microscope in use for electronics work.

7.3 Educational Exploration

Built for young adventurers, this durable, lightweight microscope empowers kids to discover nature's wonders outdoors—from backyard to classroom—without interruption, featuring simple one-touch operation and drop-resistant construction for worry-free STEM learning.



Figure 7.3: Kids exploring nature with the portable microscope.

8. MAINTENANCE

To ensure the longevity and optimal performance of your Andonstar AD115 Digital Microscope, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the microscope body and screen. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the microscope in a cool, dry place away from direct sunlight and extreme temperatures. When not in use, it is recommended to store it in its original packaging or a protective case.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in constant use.
- **Handling:** Handle the microscope and its components with care to prevent drops or impacts, which can damage internal electronics or optical elements.

9. TROUBLESHOOTING

If you encounter any issues with your Andonstar AD115, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|-------------------------------|---|---|
| Device does not power on | Low battery; Power button not pressed correctly | Charge the device using the USB-C cable; Press and hold the power button for a few seconds. |
| Image is blurry | Out of focus; Incorrect working distance | Adjust the focus ring; Adjust the distance between the lens and the object. |
| Cannot save photos/videos | No SD card inserted; SD card full or corrupted | Insert a compatible SD card; Delete unnecessary files or format the SD card. |
| No image on PC when connected | Incorrect PC mode; Driver issue; Cable connection problem | Ensure the microscope is in PC camera mode; Check USB-C cable connection; Try a different USB port or computer. |

If the problem persists after trying these solutions, please contact Andonstar customer support for further assistance.

10. SPECIFICATIONS

| Feature | Detail |
|-----------------------|--------------------------|
| Model Name | AD115-Arm |
| Screen Size | 5" IPS LCD |
| Magnification Maximum | 60x |
| Light Source Type | LED |
| Material | Metal Flexible Arm Stand |
| Color | Black |

| Feature | Detail |
|--------------------|----------------------------------|
| Item Weight | 1.07 Kilograms |
| Voltage | 5 Volts |
| Compatible Devices | Laptop, Personal Computer |
| Power Source | Battery Powered, Corded Electric |
| Battery Capacity | 900mAh (approx. 2.5 hours usage) |

11. WARRANTY AND SUPPORT

The Andonstar AD115 Digital Microscope comes with a **2-Year Manufacturer Warranty**. For warranty claims, technical support, or any inquiries regarding your product, please contact Andonstar customer service. Refer to the warranty card included in your package for specific terms and conditions.

Andonstar is committed to providing professional after-sales service. You can typically expect 24-hour support for any product-related issues.

