

## Andonstar AD203

# Andonstar AD203 Handheld Digital Microscope User Manual

Model: AD203

## 1. INTRODUCTION

This manual provides instructions for the proper use and maintenance of your Andonstar AD203 Handheld Digital Microscope. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Andonstar AD203 Handheld Digital Microscope
- 32GB Micro SD Card
- USB Cable
- Portable Wrist Strap
- Portable Bag
- User Instruction Manual



Image: The Andonstar AD203 Handheld Digital Microscope shown with its included accessories: a 32GB Micro SD card, USB cable, wrist strap, portable bag, and user manual.

### 3. PRODUCT OVERVIEW

The Andonstar AD203 is a portable digital microscope featuring a 4-inch LCD screen, adjustable LED illumination, and the ability to capture photos and videos. It is designed for various observation tasks, from educational use to detailed inspection.

#### 3.1 Key Components



Image: The Andonstar AD203 Handheld Digital Microscope, highlighting its integrated screen and control buttons.

- **4-inch LCD Screen:** Displays the magnified image.
- **Focus Wheel:** Adjusts the clarity of the image.
- **LED Lights:** Eight adjustable LED lights provide illumination for the observation area.
- **Control Buttons:** For power, menu navigation, photo/video capture, and other functions.
- **Micro SD Card Slot:** For storing captured images and videos.
- **USB Port:** For charging and connecting to a computer.

## 4. SETUP

### 4.1 Charging the Device

The AD203 microscope has a built-in rechargeable battery. Before first use, fully charge the device using the provided USB cable connected to a 5V USB power adapter (not included) or a computer USB port.

1. Connect the small end of the USB cable to the microscope's USB port.
2. Connect the larger end of the USB cable to a USB power source.
3. The charging indicator light will illuminate during charging and turn off when fully charged.

### 4.2 Inserting the Micro SD Card

The device requires a Micro SD card (32GB card included) to save photos and videos.

1. Locate the Micro SD card slot on the side of the microscope.
2. Gently insert the Micro SD card into the slot until it clicks into place. Ensure the card is oriented correctly.
3. To remove, push the card in slightly until it springs out.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

- To power on, press and hold the Power button until the screen illuminates.
- To power off, press and hold the Power button until the screen turns off.

### 5.2 Adjusting Focus and LED Illumination

**In order to get a clearer and more stable microscope use effect, you can use it in these ways:**



Image: A hand adjusting the focus wheel and LED light brightness on the Andonstar AD203 microscope.

- **Focus:** Rotate the focus wheel located on the side of the microscope to achieve a clear image.
- **LED Lights:** Use the LED brightness adjustment buttons/wheel to increase or decrease the illumination.

### 5.3 Capturing Photos and Videos



With the Micro SD card inserted, you can capture images and record videos:

# NOT ONLY A MICROSCOPE

Comes with a **32G memory card**, easy to take **pictures and videos**.

Can store about :

3000 photos

or 120 minutes of videos

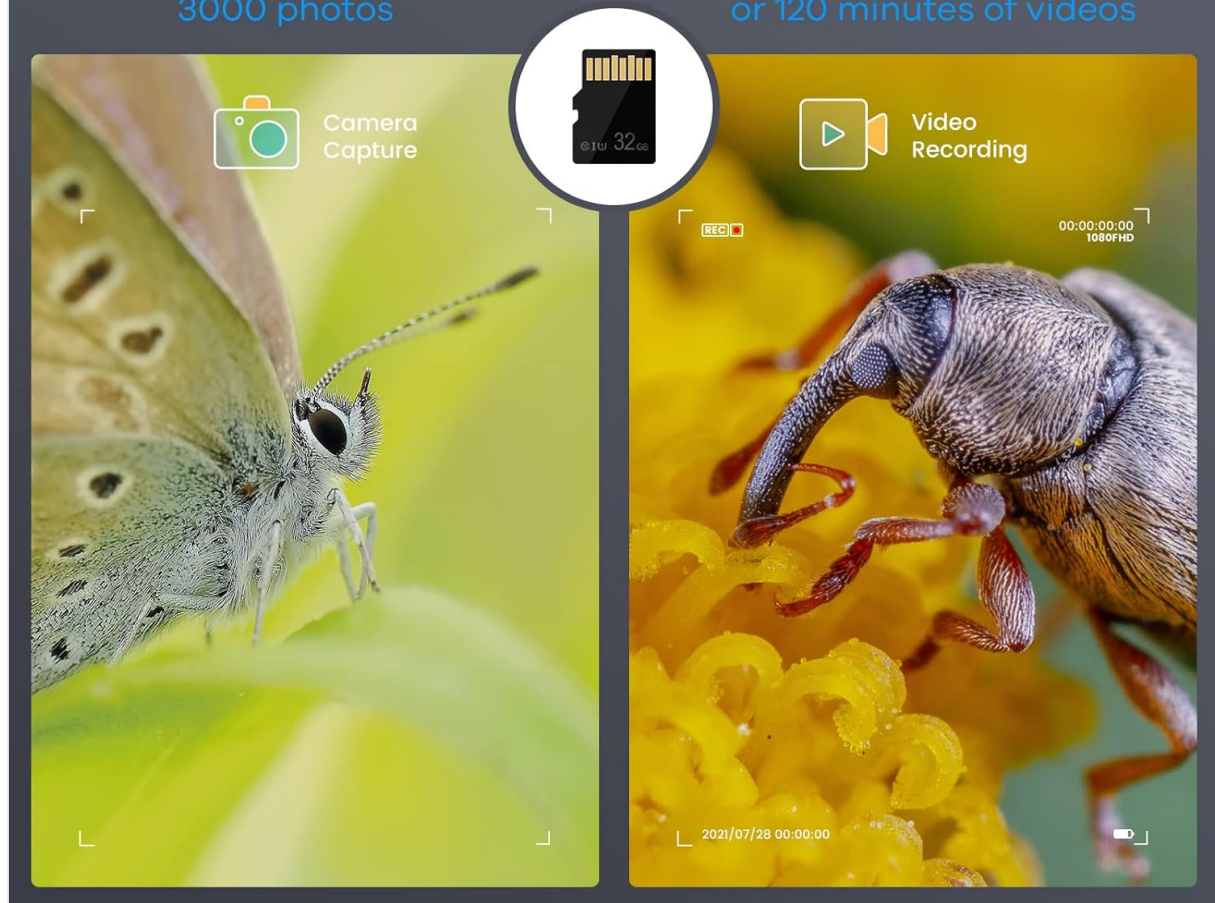


Image: An illustration demonstrating the storage capacity of the 32GB memory card for photos and videos with the Andonstar AD203 microscope.

- **Photo Capture:** Press the Photo button (usually marked with a camera icon) to take a still image.
- **Video Recording:** Press the Video button (usually marked with a video camera icon) to start recording. Press it again to stop recording.
- Captured files are saved to the Micro SD card.

## 5.4 Connecting to a Computer (Windows/Mac)

The AD203 can be connected to a computer for live viewing and capturing images/videos on a larger screen.

# MAKE THE MICRO-WORLD MORE COLORFUL.



Image: A three-step guide illustrating how to connect the Andonstar AD203 microscope to a computer, including software download, mode selection, and live viewing.

1. **Software Download:** For Windows, download the 'Amcap' software. For Mac, use the built-in "Photo Booth" application or download "WebCam Monitor". Refer to the official Andonstar website or the included manual for specific download links.
2. **Connect:** Connect the AD203 to your computer using the USB cable.
3. **Select PC Camera Mode:** On the microscope's screen, select "PC Camera" mode.
4. **Open Software:** Launch the downloaded software or Photo Booth on your computer and select the microscope as the video input device. You can now view and capture images/videos on your computer.

## 5.5 Usage Scenarios

The AD203 is versatile and can be used in various ways:



## Easy to pick up with just one hand.

Both focus and LED light can be adjusted with only one finger.



Image: Three methods for using the Andonstar AD203 microscope: using a desktop as a fulcrum, placing the lens directly on an object, and mounting it on a bracket or tripod.

- **Handheld:** For quick observations, use the device directly by hand.
- **Desktop Fulcrum:** Rest the device on a desktop or flat surface for stability during observation.
- **Direct Contact:** Place the lens directly on the surface of the observation object, such as a microscope slide.
- **With Bracket/Tripod:** For extended or precise observations, attach the microscope to a compatible bracket or tripod using the built-in 1/4-inch screw hole.

## 6. MAINTENANCE

- Keep the microscope clean. Use a soft, dry cloth to wipe the body.
- For the lens, use a lens cleaning cloth and specialized lens cleaning solution if necessary. Avoid abrasive materials.
- Store the microscope in its portable bag when not in use to protect it from dust and damage.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Charge the device using the USB cable.
Image is blurry.	Incorrect focus.	Adjust the focus wheel until the image is clear. Ensure the lens is close enough to the object.
Cannot save photos/videos.	No Micro SD card inserted or card is full/corrupted.	Insert a Micro SD card. Check if the card is full and delete unnecessary files, or try a different card. Ensure the card is formatted correctly (FAT32).
No image on computer when connected.	Incorrect mode selected on microscope or software issue.	Ensure "PC Camera" mode is selected on the microscope. Verify the correct device is selected in your computer's software (Amcap/Photo Booth/WebCam Monitor). Reinstall software if necessary.

## 8. SPECIFICATIONS

- **Model:** AD203
- **Screen:** 4-inch LCD
- **Magnification:** Up to 80x (Maximum 200x)
- **Resolution:** 2 Mega Pixels, 1080FHD (for picture quality)
- **Light Source:** 8 adjustable LED lights
- **Battery:** Built-in 2000 mAh rechargeable Lithium Metal battery
- **Storage:** Micro SD card (up to 32GB included)
- **Connectivity:** USB for PC connection (Windows, Mac)
- **Product Dimensions:** 7.09 x 5.12 x 1.57 inches
- **Item Weight:** 220 Grams (0.485 lbs)
- **Material:** Plastic

## 9. WARRANTY AND SUPPORT

Andonstar provides a 24-hour professional after-sales service. For warranty claims or technical support, please contact Andonstar customer service through their official channels or the retailer where the product was purchased.

Protection plans are available for purchase separately:

- 2-Year Protection Plan
- 3-Year Protection Plan

For more information, visit the [Andonstar Store](#).

## 10. OFFICIAL PRODUCT VIDEOS




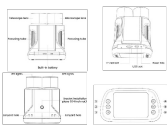

### Andonstar AD203 Overview

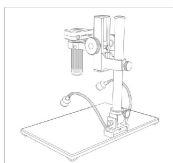
Your browser does not support the video tag.

Video: A brief overview of the Andonstar AD203 Handheld Digital Microscope, demonstrating its key features and portability. This video is a short preview.



## Related Documents - AD203

<p>Digital Microscope User Manual</p> 	<p><a href="#">Andonstar AD203 Digital Microscope User Manual   Setup, Operation &amp; Troubleshooting Guide</a></p> <p>User manual for the Andonstar AD203 digital microscope, providing comprehensive guidance on safety, basic parameters, setup, operation, features, troubleshooting, and warranty information for optimal use.</p>
<p>Components list</p> 	<p><a href="#">Andonstar Digital Microscope Assembly Guide</a></p> <p>Step-by-step assembly instructions for Andonstar digital microscopes, including component identification and assembly procedures.</p>
<p>USB Handheld Microscope</p> 	<p><a href="#">Andonstar USB Handheld Microscope User Manual: Functions, Setup, and Operation</a></p> <p>Detailed user manual for the Andonstar USB Handheld Microscope. Covers product features, applications, safety precautions, system requirements, installation guide, operational procedures for taking photos and videos, LED light adjustment, maintenance tips, and warranty information.</p>
<p>Multifunctional Digital Microscope User Manual</p> 	<p><a href="#">Andonstar AD122 Multifunctional Digital Microscope User Manual</a></p> <p>Comprehensive user manual for the Andonstar AD122 multifunctional digital microscope. This guide covers product introduction, operation for microscope and telescope modes, video/photo recording, PC connectivity, software installation, FAQs, basic parameters, safety, maintenance, and warranty information.</p>
<p>Instructions of Digital Microscope AD409</p> 	<p><a href="#">Andonstar AD409 Digital Microscope User Manual and Instructions</a></p> <p>Comprehensive user manual for the Andonstar AD409 digital microscope, covering safety, specifications, installation, operation, software usage, WiFi connectivity, and warranty information.</p>



## [Andonstar AD1605 Digital Microscope User Manual - Features, Setup, and Operation](#)

Comprehensive user manual for the Andonstar AD1605 digital microscope. Learn about its features, basic parameters, assembly, operation, connection, and troubleshooting. Includes detailed instructions and safety guidelines.