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## Sonew eecoo14

# Sonew eecoo14 WiFi USB Digital Microscope Camera User Manual

Model: eecoo14 | Brand: Sonew

## 1. INTRODUCTION

This manual provides instructions for the proper setup, operation, and maintenance of your Sonew eecoo14 WiFi USB Digital Microscope Camera. This device is designed for detailed observation and analysis, offering magnification from 50x to 1000x. It can be used for various applications, including inspecting hair follicles, skin conditions, and other microscopic details. The microscope supports connectivity via both WiFi and USB, allowing it to be used with Android, iOS, Windows, and Mac operating systems.



Image 1.1: The Sonew eecoo14 Digital Microscope Camera. This image displays the main unit of the digital microscope, highlighting its compact and ergonomic design.

## 2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x Sonew eecoo14 Digital Microscope Camera
- 1 x USB Cable
- 1 x Software Installation CD
- 1 x Software Flash Disk (USB Drive)
- 1 x Power Adapter (US Plug)
- 1 x Aluminum Lift Stand
- 1 x User Manual (this document)



Image 2.1: Included accessories. This image shows the digital microscope, USB cable, power adapter (US plug), and the aluminum lift stand, illustrating the complete set of components.

### 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your digital microscope:

- **Focus Wheel:** Adjusts the focus for clear images.
- **Magnification Adjustment:** Allows changing the magnification level.
- **LED Illumination:** Built-in 8-LED light source for illuminating specimens.
- **Power Button:** Turns the device on or off.
- **Capture Button:** Takes still images or starts/stops video recording.
- **USB Port (DC5V):** For charging and wired connection to computers.
- **WiFi Module:** Enables wireless connection to mobile devices.



Image 3.1: Microscope features. This image provides a close-up view of the digital microscope, highlighting its various parts such as the focus wheel, power button, capture button, and USB port.

## 4. SETUP

### 4.1 Charging the Device

1. Connect the provided USB cable to the microscope's DC5V port.
2. Plug the other end of the USB cable into the power adapter.
3. Insert the power adapter into a standard electrical outlet.
4. Allow the device to charge fully before first use. The charging indicator light will change when charging is complete.

### 4.2 Software Installation

To view images and control the microscope, you need to install the appropriate software or application.

#### For Windows/Mac PC:

1. Insert the Software Installation CD or the Software Flash Disk into your computer.

2. Follow the on-screen instructions to install the viewing software.
3. Alternatively, you may download the latest software from the manufacturer's website (refer to the included documentation for the URL).

#### **For Android/iOS Smartphones/Tablets:**

1. Search for the recommended application (e.g., "WiFi View" or similar, check included documentation) in your device's app store (Google Play Store for Android, Apple App Store for iOS).
2. Download and install the application.

#### **4.3 Connecting to a PC (USB Connection)**

1. Ensure the viewing software is installed on your PC.
2. Connect the microscope to your PC using the provided USB cable.
3. Turn on the microscope using the power button.
4. Launch the installed viewing software. The microscope feed should appear automatically.

#### **4.4 Connecting to a Mobile Device (WiFi Connection)**

1. Ensure the dedicated application is installed on your mobile device.
2. Turn on the microscope using the power button.
3. On your mobile device, go to WiFi settings.
4. Locate and connect to the microscope's WiFi network (e.g., "WiFi\_Cam\_XXXX"). The default password, if any, will be in the included documentation.
5. Open the installed application. The microscope feed should appear.

Wireless and USB double connections, meet your different demands



Image 4.1: Wireless and USB connectivity. This image illustrates the flexibility of the microscope, showing it connected wirelessly to a smartphone and via USB to a computer monitor, demonstrating its dual connection capabilities.

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off

- **To Power On:** Press and hold the Power button until the indicator light illuminates.
- **To Power Off:** Press and hold the Power button until the indicator light turns off.

### 5.2 Adjusting Magnification and Focus

1. Place the microscope over the object you wish to observe.
2. Rotate the magnification adjustment ring to select the desired magnification level (50x to 1000x).
3. Slowly turn the focus wheel until the image on your screen is clear and sharp.

### 5.3 Using the LED Illumination

The microscope features 8 built-in LEDs to provide optimal lighting for your observations. The brightness can

typically be adjusted via a control on the microscope body or within the viewing software/app.

## 5.4 Capturing Images and Videos

Once the image is focused, you can capture still images or record videos:

- **Using the Capture Button:** Press the physical Capture button on the microscope to take a photo. Press and hold to start/stop video recording (functionality may vary by software).
- **Using Software/App Controls:** Most viewing applications provide on-screen buttons for capturing images and recording videos. Refer to your software's help section for specific instructions.

## 5.5 Specific Applications: Scalp and Skin Analysis

The Sonew eecoo14 is particularly useful for detailed analysis of scalp and skin conditions:

1. Ensure the microscope is fully charged and connected to your viewing device.
2. Gently place the microscope lens directly onto the area of the scalp or skin you wish to examine.
3. Adjust the focus and magnification to achieve a clear view of hair follicles, skin texture, or other details.
4. Use the capture function to document observations for analysis or record changes over time.
5. The software allows for storage and printing of analysis data, aiding in professional assessments.



Image 5.1: Scalp analysis on a monitor. This image shows the digital microscope being used to examine a person's scalp, with the magnified view displayed on a computer monitor, demonstrating its application as a skin and hair scalp detector.

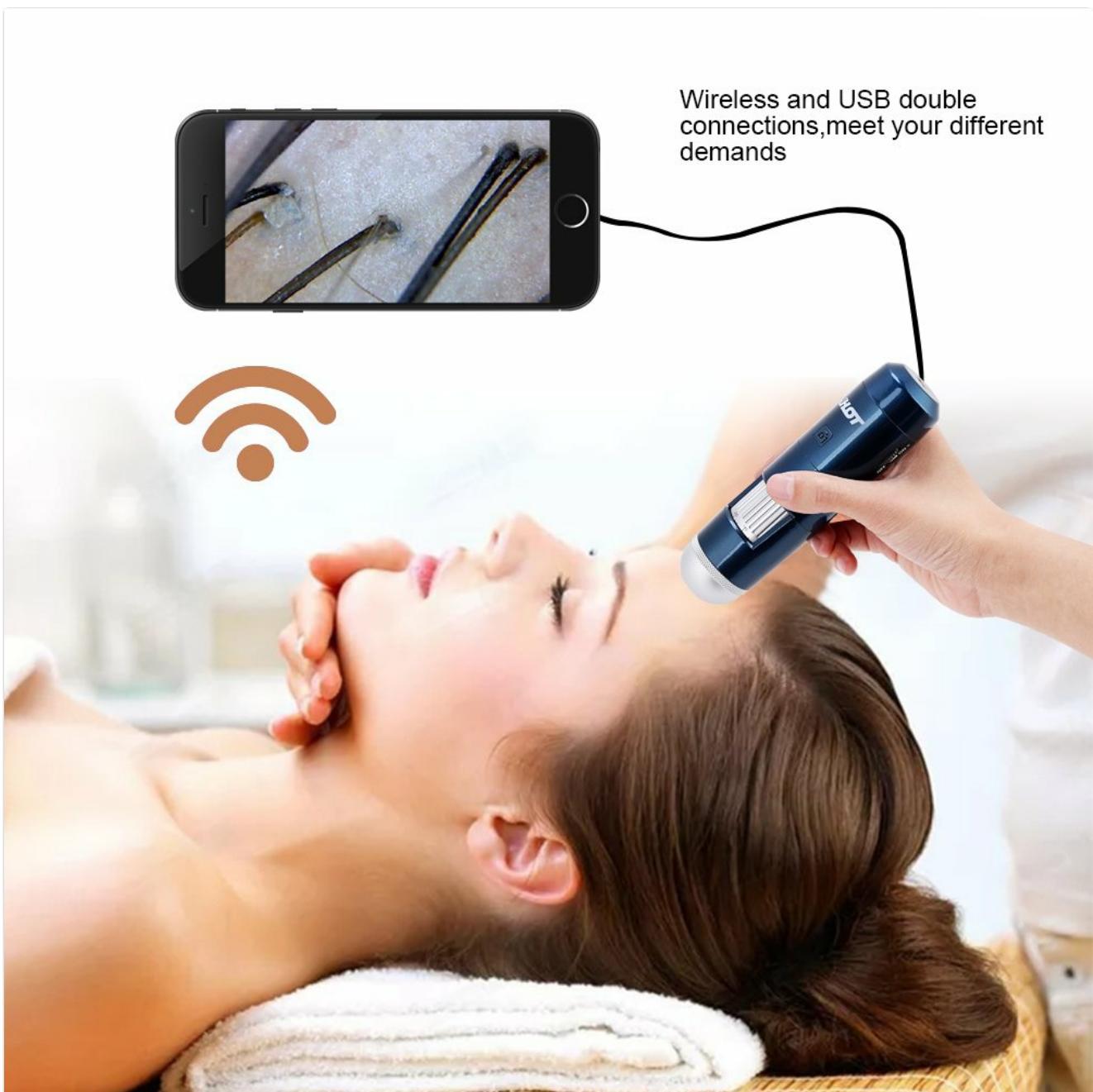


Image 5.2: Hair follicle view on a smartphone. This image illustrates the microscope connected wirelessly to a smartphone, displaying a magnified view of hair follicles, highlighting its utility for detailed hair analysis.

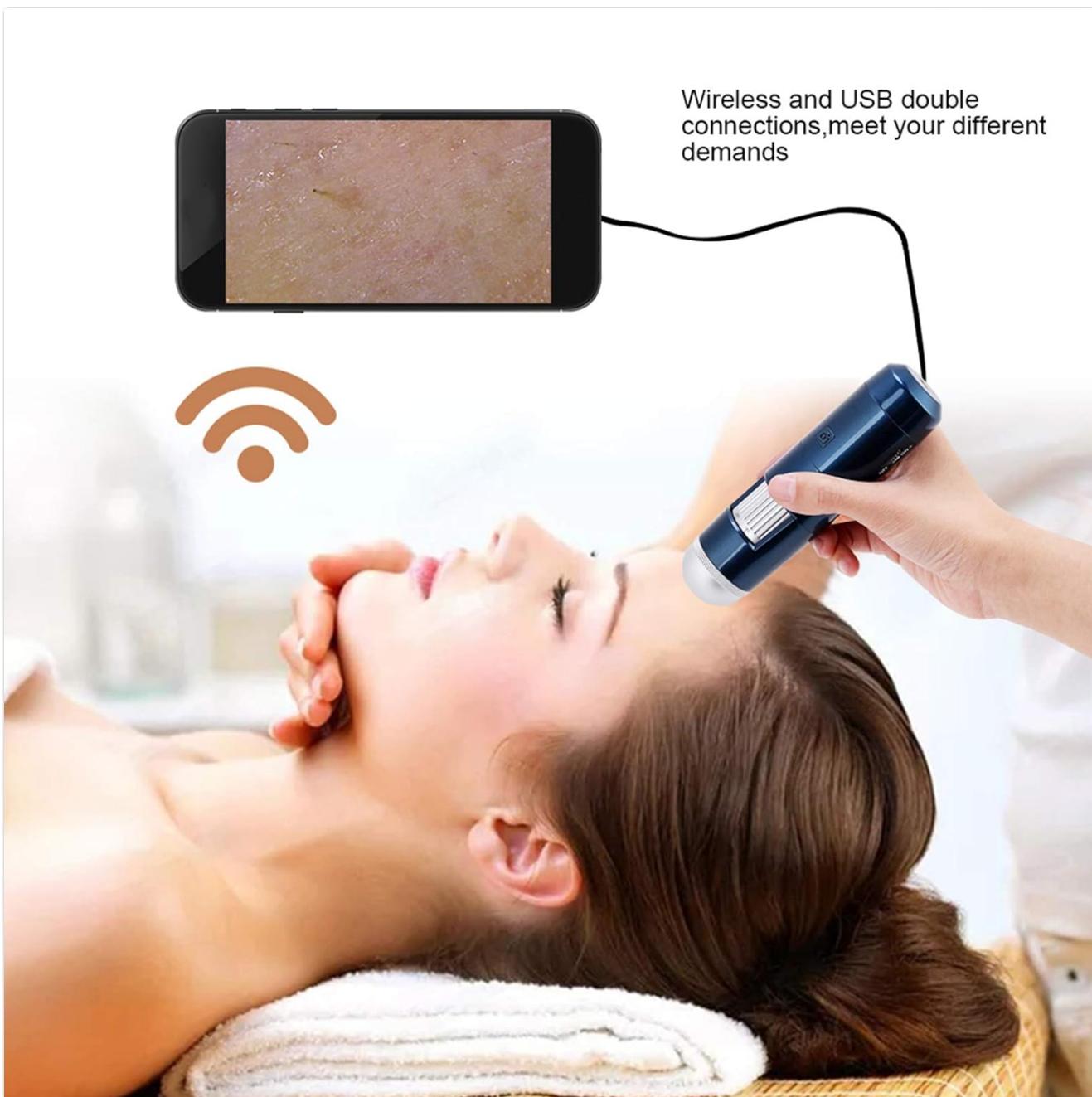


Image 5.3: Skin texture view on a smartphone. This image shows the digital microscope connected wirelessly to a smartphone, displaying a magnified view of skin texture, demonstrating its capability for detailed skin examination.

## 6. MAINTENANCE

### 6.1 Cleaning

- Ensure the device is powered off and disconnected from any power source before cleaning.
- Use a soft, dry cloth to wipe the body of the microscope.
- For the lens, use a specialized lens cleaning cloth and solution to avoid scratches. Do not use abrasive cleaners or solvents.

### 6.2 Storage

- Store the microscope in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep it in its original packaging or a protective case to prevent dust accumulation and physical damage.
- If storing for extended periods, ensure the battery is partially charged (around 50%) to prolong its lifespan.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No image on screen	Device not powered on; Low battery; Incorrect connection; Software not running or installed.	Ensure device is on; Charge battery; Reconnect USB/WiFi; Launch or reinstall software/app.
Image is blurry	Out of focus; Incorrect working distance.	Adjust the focus wheel; Ensure the microscope is at an appropriate distance from the object.
WiFi connection fails	Incorrect WiFi password; Device too far from microscope; Interference.	Verify WiFi password; Move device closer; Try connecting in a different location.
LEDs not working	LEDs turned off; Low battery.	Check LED control in software/app or on device; Charge battery.

If the problem persists after trying these solutions, please contact customer support.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	eecoo14
Resolution	640 x 840 / 1280 x 1024
Magnification	50x to 1000x
Interface	WiFi Wireless + USB 2.0
Light Source	8-LED (0-30000 MLUX)
Power Supply	Built-in Lithium Battery, USB (5V DC)
Supported Systems	iOS (iPad/iPhone), Android (phone/tablet with OTG), Windows XP/Vista/7/8/10, Mac
Item Weight	491 g
Length	Approx. 14.2 cm (5.6 inches)



Image 8.1: Microscope dimensions. This image provides a visual representation of the microscope's length, indicating it is approximately 14.2 cm.

## 9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact the retailer. For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact Sonew customer service through their official website or the contact information provided in your product packaging.

