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Ninyoon Ninyoon-4K

Ninyoon 4K WiFi Digital Microscope User Manual

Model: Ninyoon-4K

1. INTRODUCTION

Thank you for choosing the Ninyoon 4K WiFi Digital Microscope. This device is designed for detailed observation and analysis, offering a magnification range of 50X to 1000X. It features 4K Ultra HD resolution and broad compatibility with various operating systems, including iOS, Android, Windows, Mac, Chrome OS, and Linux. This manual provides essential information for proper setup, operation, and maintenance to ensure optimal performance and longevity of your microscope.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Ninyoon 4K WiFi Digital Microscope
- Microscope Stand
- USB Charging Cable
- User Manual

Package List:



Image: Contents of the Ninyoon 4K WiFi Digital Microscope package, including the microscope unit, a stand, a USB cable, and an instruction manual.

3. PRODUCT OVERVIEW

The Ninyoon 4K WiFi Digital Microscope is a versatile tool for various inspection and observation tasks. Familiarize yourself with its components:



Image: Detailed view of the Ninyoon 4K WiFi Digital Microscope highlighting its components: DC5V charging port/indicator, brightness adjustment pulley, camera/switch button, zoom in/out buttons, universal bracket, and LED light/HD lens.

Key Features:

- **4K Ultra HD Resolution:** Provides clear and detailed images at 3840x2160P.
- **Wireless Connectivity:** Connects wirelessly to iOS and Android devices.
- **Wired Connectivity:** Connects via USB to Windows, Mac, Chrome OS, and Linux computers.
- **Adjustable LED Illumination:** Integrated LED lights with adjustable brightness for optimal viewing.
- **Capture Button:** Easily take photos or record videos with a dedicated button.
- **Wide Angle & Long Focal Length:** Suitable for various applications, from coin collection to circuit board inspection.
- **Rechargeable Battery:** Built-in 1100mAh battery provides approximately 4 hours of working time.

4. SETUP INSTRUCTIONS

4.1 Charging the Microscope

Before first use, fully charge the microscope using the provided USB cable. Connect the cable to the DC5V charging port on the microscope and a standard USB power source (e.g., computer USB port, wall adapter). The charging indicator light will provide feedback on the charging status.

4.2 Assembling the Stand

Attach the microscope to the universal bracket on the stand. Ensure it is securely fastened for stable observation.

4.3 Connecting to Devices

The Ninyoon 4K WiFi Digital Microscope offers both wireless and wired connection options:



Image: Diagram illustrating connection methods: wired USB connection for Windows, Mac, Linux, and Chrome OS computers, and wireless WiFi connection for iPhone, iPad, Android phones, and tablets.

4.3.1 Wireless Connection (iOS/Android)

1. Download the recommended application (e.g., "WIFI CHECK" or similar as indicated in the quick start guide) from your device's app store.
2. Power on the microscope by pressing the Camera/Switch button.

3. On your smartphone or tablet, go to Wi-Fi settings and connect to the microscope's dedicated Wi-Fi network (SSID usually starts with "Ninyoon" or similar).
4. Open the downloaded application. The microscope's live feed should appear on your screen.

4.3.2 Wired Connection (Windows/Mac/Chrome OS/Linux)

1. Connect the microscope to your computer using the provided USB cable.
2. For Windows 10/11, you can use the native Camera app. Open the Camera app and select the microscope as the camera source.
3. For other operating systems or enhanced features, you may need to download specific software (e.g., "xploview" for PC, as mentioned in some user experiences).

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press and hold the Camera/Switch button to power the microscope on or off.

5.2 Focusing

Rotate the silicone magnification wheel (often referred to as the focus wheel) to adjust the focus and achieve a clear image of your subject. This wheel controls the optical magnification and clarity.

5.3 Adjusting LED Brightness

Use the brightness adjustment pulley to control the intensity of the LED lights surrounding the lens. Adjust as needed for optimal illumination of your subject.

5.4 Capturing Images and Videos

Press the Camera/Switch button briefly to take a still image. To record video, refer to the specific instructions within the mobile application or PC software you are using.

5.5 Digital Zoom

The microscope features zoom in/out buttons. On iOS/Android devices, these buttons provide digital zoom functionality (e.g., 1.2X, 1.4X, 1.6X, 1.8X, 2.0X). Note that these buttons typically do not function for digital zoom when connected to Windows/Mac/Chrome/Linux systems; digital zoom on these platforms is usually controlled via software.



Wireless Signal Transmission



X1.0



X2.0

The +/- buttons allow for 1.2/1.4/1.6/1.8/2.0X on your phone(not for PC).

Image: Two children observing an object with the Ninyoon 4K WiFi Digital Microscope, demonstrating its wireless capability. Insets show the microscope's zoom buttons and magnified views of a plant at X1.0 and X2.0.

5.6 Applications

The Ninyoon 4K WiFi Digital Microscope is suitable for a wide range of uses:

- Coin and stamp collection inspection
- Circuit board soldering and inspection
- Plant and insect observation
- Jewelry identification
- Skin, pore, and scalp examination
- Educational purposes for students and teachers

SCENES TO BE USED



Image: Illustrations of various applications for the Ninyoon 4K WiFi Digital Microscope, including examining coins, insects, gems, skin, textiles, plants, and circuit boards.

6. MAINTENANCE

- Keep the microscope clean and free from dust. Use a soft, dry cloth for cleaning the body.
- For the lens, use a specialized lens cleaning cloth and solution to avoid scratches.
- Store the microscope in a cool, dry place when not in use.
- Avoid exposing the device to extreme temperatures or direct sunlight.
- Do not attempt to disassemble the microscope, as this will void the warranty.

7. TROUBLESHOOTING

- **No Image on Screen:**
Ensure the microscope is powered on and fully charged. For wireless connections, confirm you are

connected to the microscope's Wi-Fi network and the application is open. For wired connections, check the USB cable connection and ensure the correct camera source is selected in your computer's software.

- **Image is Blurry:**

Rotate the silicone magnification wheel (focus wheel) to adjust the focus until the image is clear. The optimal focus distance varies with magnification.

- **Wi-Fi Disconnects from Home Network:**

When connected wirelessly to the microscope, your mobile device will use the microscope's dedicated Wi-Fi network. This means your device will temporarily disconnect from your home Wi-Fi network, affecting internet access or streaming services. This is normal operation.

- **Zoom Buttons Not Working on PC:**

The physical zoom +/- buttons on the microscope are designed for digital zoom on iOS/Android devices. On Windows/Mac/Chrome/Linux, digital zoom functionality is typically controlled through the software interface, not the physical buttons.

- **Poor Image Quality:**

Ensure the lens is clean. Adjust the LED brightness for better illumination. If your phone screen does not support 4K (3840x2160P), the display will be limited to the highest pixel resolution supported by your screen.

- **Power Indicator Lights Unclear:**

The power indicator lights provide status feedback. If unsure about their meaning, refer to the quick start guide or contact customer support for clarification.

8. SPECIFICATIONS

Model Number	Ninyoon-4K
Resolution	4K (3840x2160P)
Magnification	50X - 1000X
Connectivity	WiFi (iOS, Android), USB (Windows, Mac, Chrome OS, Linux)
Light Source	LED
Battery Capacity	1100mAh Lithium Polymer
Working Time	Approximately 4 hours
Material	Plastic
Item Weight	5.6 ounces (160 grams)

9. WARRANTY AND SUPPORT

Ninyoon is committed to providing reliable products and customer service. For any quality issues, a replacement will be provided. For further assistance, troubleshooting, or warranty claims, please contact Ninyoon customer support through the official channels provided at the point of purchase or on the Ninyoon website.