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> Ninyoon 4K WiFi Digital Microscope Instruction Manual (Model Ninyoon-0724c)

Ninyoon Ninyoon-0724c

Ninyoon 4K WiFi Digital Microscope User Manual

Model: Ninyoon-0724c

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Ninyoon 4K WiFi Digital Microscope. This device offers 50-1000X HD magnification and is compatible with a wide range of operating systems, including iOS (iPhone, iPad), Android (phones, tablets), Windows (XP, 7, 8, 10, 11), Mac (iMac, Mac Mini/Pro, MacBook Air/Pro), Chrome OS, and Linux.

The microscope is designed for various applications, such as coin collection, circuit board inspection, soldering, insect observation, jewelry identification, and educational purposes.



The Ninyoon 4K WiFi Microscope Pro connected to a laptop, displaying a magnified view of a circuit board.

PACKAGE CONTENTS

Please verify that all the following items are included in your package:

- 1 x 4K Microscope
- 1 x Professional Stand (includes bracket, base, mount, screws, and screwdriver for assembly)
- 1 x USB Cable
- 1 x User Manual
- 1 x Storage Case



This image displays all items included in the package: the 4K microscope, professional stand components, USB cable, and user manual.

PRODUCT OVERVIEW

The Ninyoon 4K WiFi Digital Microscope features a compact design with a durable professional stand for stable observation. Key components include:

- **Microscope Body:** Contains the 4K camera, LED lights, and control buttons.
- **Magnification Wheel:** A silicone wheel for adjusting magnification.
- **LED Dial:** For controlling the brightness of the built-in 8 LED lights.
- **Snap Button:** To capture images or record videos.
- **Zoom Buttons (+/-):** For digital zoom on compatible mobile devices.
- **Professional Stand:** Provides stability and precise height adjustment for optimal focus.

This diagram illustrates the main features and controls of the Ninyoon 4K WiFi Digital Microscope.

SETUP

1. Stand Assembly

1. Attach the bracket to the base using the provided screws and screwdriver.
2. Insert the microscope into the mount on the bracket.
3. Adjust the height and angle as needed using the adjustment knobs on the stand.

2. Powering On

The microscope is powered by a built-in Lithium-polymer battery. Ensure it is charged before first use. Connect the USB cable to a power source (e.g., computer USB port, USB wall adapter) to charge the device.

3. Software Installation & Connection

The microscope supports both wireless (WiFi) and wired (USB) connections.

For Mobile Devices (iPhone, iPad, Android Phones/Tablets):

1. Download the dedicated application from your device's app store (e.g., App Store for iOS, Google Play Store for Android). Refer to the manual for the specific app name.
2. Turn on the microscope.
3. On your mobile device, go to WiFi settings and connect to the microscope's WiFi network (SSID usually starts with 'Ninyoon' or similar, check the device label or manual).
4. Open the installed application to view the microscope's feed.

For Computers (Windows, Mac, Linux, Chrome OS):

1. Connect the microscope to your computer using the provided USB cable.
2. The microscope will be recognized as a standard webcam.
3. Open your computer's native camera application (e.g., 'Camera' app on Windows 10/11, Photo Booth on Mac) or any compatible webcam software (e.g., Yawcam, Cheese, Gvvcview for Linux).
4. Select the microscope as the video input device.



USB Cord Connection for PC



Windows XP/7/8/10/11



Mac/Linux/Chrome



Wireless for iPhone/Android



iPhone/Android



iPad/Android Tablet

This diagram shows how to connect the microscope: via USB cable for Windows, Mac, Linux, and Chrome OS computers, and wirelessly for iPhone, iPad, and Android phones/tablets.

OPERATING INSTRUCTIONS

1. Adjusting Magnification

The microscope offers a magnification range of 50X to 1000X. Rotate the silicone magnification wheel on the microscope body to adjust the optical magnification. For higher effective magnification, adjust the distance between the microscope lens and the object, and use the digital zoom function on mobile devices if available.

2. LED Illumination Control

The microscope is equipped with 8 built-in LED lights to illuminate your subject. Rotate the LED dial on the microscope body to adjust the brightness from off to 100%. Experiment with different brightness levels to achieve optimal image clarity and reduce glare.



The microscope features 8 built-in LED lights with adjustable brightness, allowing users to select illumination levels from off to 100% for optimal viewing.

3. Capturing Images and Videos

Press the 'Snap' button on the microscope body to capture still images or record videos through the connected application or software. The resolution for captured media is 4K (3840x2160P), though your display may only show the highest resolution it supports.

4. Digital Zoom Function

The physical Zoom +/- buttons on the microscope function for iPhone, iPad, and Android devices, allowing for digital zoom levels such as 1.2X, 1.4X, 1.6X, 1.8X, and 2.0X. These buttons do not function when connected to Windows, Mac, Chrome OS, or Linux computers; digital zoom on these platforms must be controlled via software.



This image illustrates the microscope in use for soldering, highlighting the zoom buttons on the device. Note that the zoom buttons function on mobile devices but not on Windows/Mac/Chrome/Linux.



The microscope is shown inspecting a coin and a circuit board, demonstrating its versatility for various detailed tasks.

MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses to gently clean the microscope lens. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Body:** Wipe the microscope body and stand with a dry or slightly damp soft cloth.
- **Storage:** When not in use, store the microscope in its provided storage case to protect it from dust and physical damage.
- **Battery Care:** Avoid fully discharging the battery frequently. Charge the device regularly to maintain battery health.

TROUBLESHOOTING

- **No Image/Connection Issues:**

- Ensure the microscope is powered on and fully charged.
- For WiFi connection, verify your mobile device is connected to the microscope's WiFi network.
- For USB connection, ensure the cable is securely plugged into both the microscope and the computer. Try a different USB port or cable.
- Confirm that the correct video input device is selected in your camera application/software.

• **Flickering Image:**

- If the LED ring lighting is set too low, fine-scale flickering noise may be evident. Increase the LED brightness to full to resolve this.

• **Unclear Image/Difficulty Focusing:**

- Adjust the magnification wheel on the microscope.
- Adjust the height of the microscope using the stand's adjustment knobs to change the distance to the object.
- Ensure the object and lens are clean.

• **Zoom Buttons Not Working on PC:**

- This is normal behavior. The physical zoom buttons are designed for mobile device applications only. Use software-based zoom on your computer.

SPECIFICATIONS

Model Number	Ninyoon-0724c
Brand	Ninyoon
Magnification	50X - 1000X
Resolution	4K (3840x2160P)
Connectivity	WiFi (for mobile), USB (for PC)
Light Source	8 Built-in Dimmable LEDs
Compatibility	iOS, Android, Windows, Mac, Chrome OS, Linux
Battery	1 Lithium-polymer (included)
Material	Glass (internal components)
Dimensions (Package)	25.6 x 19.71 x 6.71 cm
Weight (Package)	549 grams
UPC	199276701527

WARRANTY AND SUPPORT

Ninyoon provides a lifetime warranty for this product. As a professional microscope manufacturer and seller, Ninyoon is committed to timely communication and reliable after-sales service. For any quality issues, a replacement will be provided.

For further assistance or inquiries, please refer to the contact information provided with your purchase or visit the official

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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