

## Ninyoon 4K WiFi Digital Microscope



# Ninyoon 4K WiFi Digital Microscope User Manual

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**Ninyoon 4K WiFi Digital Microscope**



## Introduction

In the realm of digital microscopy, Ninyoon proudly introduces the groundbreaking 4K WiFi Digital Microscope, a technological marvel designed to provide unprecedented imaging capabilities for users across various domains. With a host of features and versatile compatibility, this microscope opens new frontiers for exploration and discovery.

The Ninyoon 4K WiFi Digital Microscope sets a new standard in the world of digital microscopy, combining cutting-edge technology with user-friendly design. From educational endeavors to professional applications, this microscope promises an immersive and detailed exploration experience. Backed by Ninyoon's commitment to quality and reliable service, it stands as a testament to the brand's expertise in the field.

## Parts Description



- **Brightness Adjustment Pulley:** A dial to adjust the brightness of the LED lights for better illumination of the specimen.
- **Camera/Switch Button:** Acts as both the power switch for the microscope and the button to capture photos or videos.
- **Universal Bracket:** A stand or holder that likely allows the microscope to be attached to various surfaces or stands for stability during use.
- **Charging Port / Indicator:** This is where the microscope is charged, and the indicator likely shows the charging status.



- **Zoom In Button / Zoom Out Button:** Buttons to control the magnification level of the microscope digitally.



- **LED Light / HD Lens:** The microscope features an LED ring light for illumination, surrounding an HD lens for high-quality image capture.



## Specifications

### General Information

- **Brand:** Ninyoon
- **Color:** Grey
- **Model Number:** Ninyoon-4K
- **Product Name:** Ninyoon 4K WiFi Microscope
- **Version:** NY-EU-New
- **Country of Manufacture:** Made in China
- **Distributor:** APEX CE SPECIALISTS LIMITED
- **Distributor Address:** UNIT 3D NORTH POINT HOUSE, NORTH POINT BUSINESS PARK, NEW MALLOWS ROAD, CORK, T23 AT2P, IRELAND

### Optical Specifications

- **Objective Lens Description:** Achromatic
- **Optical Dimension of Lens:** 1/4"
- **Magnification Maximum:** 1000x
- **Magnification Range:** 50x to 1000x
- **Real Angle of View:** 120 Degrees

### Imaging Specifications

- **Photographic Resolution:** 3840x2160P(4K), 1920x1080P, 2048x1024P, 1280x720P

- **Video Resolution:** 3840x2160P(4K), 1920x1080P, 2048x1024P, 1280x720P
- **Picture Format:** JPG or BMP
- **Video Format:** MP4 or AVI
- **Frame Rate:** Max 30f/s under 600 Lux Brightness

#### Connectivity

- **Wireless Transmission:** 2.4 GHz (IEEE 802.11 b/g/n)
- **Wired Transmission:** USB2.0 / USB3.0
- **Compatible Devices:** Laptop, Personal Computer, Tablet, Smartphone
- **Compatibility:** iOS iPhone, iPad, Android Phones and tablets, iMac Mac mini/Pro MacBook Air/Pro, Windows XP 7 8 10 11, Linux, Chrome OS

#### Power and Battery

- **Power Source:** Battery Powered
- **Battery Capacity:** 1100mAh/Lithium battery
- **Battery Life:** About 4 hours
- **Power Input:** DC 5V/1A
- **Charging Port / Indicator:** The microscope is charged through this port, and the indicator likely shows the charging status.

#### Physical Dimensions

- **Package Dimensions:** 6.02 x 4.53 x 1.93 inches
- **Item Weight:** 9.5 ounces
- **Cable Length:** 3.3ft / 1m

#### Additional Features

- **Light Source:** 8 LEDs
- **Focus Mode:** Manual
- **Focusing Range:** 1 ~ ∞ (long-range view)
- **Brightness Adjustment Pulley:** Yes
- **Camera/Switch Button:** Yes
- **Zoom In Button / Zoom Out Button:** Yes
- **LED Light / HD Lens:** Yes
- **Universal Bracket:** Yes

#### Box Contents

- Microscope
- Stand
- USB Cable
- Instruction Manual

## Features

- **4K UHD Imaging:** The Ninyoon 4K WiFi Digital Microscope boasts a stunning 3840x2160P resolution, offering ultra-high-definition imaging capabilities. This feature allows users to observe minute details with unparalleled clarity, making it a valuable tool for a wide range of applications.



- **Discovery-Oriented Design:** The microscope is crafted to cater to the needs of explorers and enthusiasts alike. Whether used for educational purposes, hobbies, or professional endeavors, the device promises a detailed and immersive experience for users delving into various fields.
- **High Pixels for Precision:** Equipped with a high-resolution camera, the microscope ensures the capture of fine details, making it an ideal choice for tasks that demand precision and accuracy.
- **Long Battery Life:** With a built-in 1100mAh lithium battery, the microscope offers an extended usage period of approximately 4 hours between charges. This ensures uninterrupted exploration without the need for frequent recharging.
- **Versatile Compatibility:** Overcoming compatibility challenges, the Ninyoon 4K WiFi Digital Microscope seamlessly connects to a variety of devices. From laptops, personal computers, and tablets to smartphones, it is compatible with iOS, Android, Windows, Mac, Linux, and Chrome OS systems.
- **Wide-Angle and Long Focal Length:** The inclusion of practical features like a wide-angle lens and long focal length caters to diverse usage demands. Whether examining coin collections or engaging in electric welding, users can benefit from enhanced flexibility and convenience.
- **Photo Video Capability:** The microscope allows users to capture both still images (in JPG or BMP format) and moving images (in MP4 or AVI format), providing a comprehensive solution for documentation and analysis.
- **Intuitive Controls and Adjustable Brightness:** The microscope features user-friendly controls, including a zoom-in and zoom-out button for digital magnification. The brightness adjustment pulley ensures optimal illumination, enhancing the visibility of specimens.
- **Wireless and Wired Connectivity:** Supporting wireless IEEE 802.11 b/g/n transmission and wired USB2.0/USB3.0 connectivity, the microscope seamlessly integrates with various devices, offering flexibility in usage.
- **Universal Bracket for Stability:** The included universal bracket ensures stability during use, allowing users to attach the microscope to various surfaces for a steady and controlled viewing experience.





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## Connection Setting

- **For Windows Computers:**

- Connect the microscope to a computer running Windows XP/7/8/10/11 using the provided USB cable.



- **For Mac/Linux/Chrome OS:**

- Use the USB cable to connect the microscope to computers running macOS, Linux, or Chrome OS.

- **For iPhone/Android Smartphones:**

- The microscope can connect wirelessly to iPhones and Android smartphones, likely through a WiFi connection.

- **For iPad/Android Tablets:**

- Tablets with iOS or Android operating systems can also connect to the microscope wirelessly.



## **Cleaning Instructions**

### **Cleaning the Lens:**

- Use a soft, lint-free microfiber cloth to gently clean the microscope lens.
- If necessary, lightly dampen the cloth with a lens-cleaning solution designed for optical surfaces.
- Avoid using abrasive materials or harsh chemicals that may damage the lens coating.

### **Cleaning the Body:**

- Wipe the body of the microscope with a soft, dry cloth to remove dust and fingerprints.
- For stubborn stains, dampen the cloth slightly with water or a mild, non-abrasive cleaning solution.

### **LED Light Maintenance:**

- Inspect the LED lights regularly to ensure they are functioning correctly.
- If the lights appear dim or flicker, check for any debris or dust on the LED ring. Clean it gently using a soft brush or compressed air.

### **Universal Bracket and Stand:**

- Ensure the universal bracket and stand are clean and free from any debris.
- Tighten any adjustable components to maintain stability during use.

### **Battery Care:**



- Charge the microscope when the battery level is low to ensure optimal performance.
- Avoid overcharging by disconnecting the microscope once fully charged.
- If the microscope will not be used for an extended period, store it with a partially charged battery.

#### **Storage:**

- Store the microscope in a protective case or cover when not in use to prevent dust accumulation.
- Keep the microscope in a cool, dry place away from direct sunlight.

#### **Focusing Mechanism:**

- Handle the focusing mechanism with care to prevent any damage.
- Avoid excessive force when adjusting the focus, as this can impact the precision of the mechanism.

#### **Connection Ports:**

- Inspect and clean the USB and charging ports periodically to remove any dust or debris.
- Use a can of compressed air to blow out any particles that may have accumulated.

#### **Software Updates:**

- Check the manufacturer's website for any available software updates or firmware upgrades.
- Keep the microscope's software up-to-date for improved compatibility and performance.

#### **Avoiding Extreme Conditions:**

- Do not expose the microscope to extreme temperatures or humidity levels.
- Avoid using the microscope in environments with excessive dust or moisture.

#### **Transportation:**

- If transporting the microscope, use a padded and protective case to prevent damage.
- Secure any movable parts to prevent them from shifting during transportation.

#### **Warranty**

To activate the Ninyoon Lifetime Warranty for all Ninyoon brand products, please click on the provided email address [ninyoon@tom.com](mailto:ninyoon@tom.com) and submit your Amazon order number. Any quality issues will be replaced with new replacements for the lifetime of the product. Additionally, you have the opportunity to participate in our New Product Reviewer activity to test our new products for free.

**Change & Return Policy:** Thank you for choosing Ninyoon for your electronic product needs. We take pride in delivering high-quality products through meticulous inspection by our Quality Assurance (QA) team before packaging, ensuring maximum customer satisfaction.

**Easy Exchanges:** If you find the need for a different size, color, or type, we offer a hassle-free exchange as long as the desired item is in stock.

**Fast Refund Process:** Should you be dissatisfied with your purchase, our return process is straightforward. Simply follow the instructions, submit a return/exchange request on your order page, and we will strive to meet your needs. Returned purchases, in their original packaging with the original label, will be processed for a refund to your original payment method within a week.

### **Returns & Exchanges Policy:**

- Purchases can be returned or exchanged within 15 days from the delivery date.
- Items must be unused, undamaged, and in the original packaging with all original labels. Please ensure that all articles in the package are intact.

### **Order Cancellation:**

- Full refunds are available if the order is canceled within 24 hours of purchase.
- For cancellations after 24 hours but before shipment, a 15% cancellation fee applies.
- Order cancellation requests will not be accepted once the items have been shipped.

**Note:** Items not meeting the specified criteria will not be considered for return.

**Return Shipping Fees:** Return shipping fees are the responsibility of the customer.

### **Contact Us**

Do you have further questions or encounter issues, please do not hesitate to contact us at [ninyoon@tom.com](mailto:ninyoon@tom.com). Our dedicated customer support team is ready to assist you in resolving any concerns and ensuring your satisfaction with our products and services.

### **Frequently Asked Questions**

What devices is the Ninyoon 4K WiFi Digital Microscope compatible with?

The Ninyoon 4K WiFi Digital Microscope is compatible with a wide range of devices, including laptops, personal computers, tablets, and smartphones. It works with iOS devices (iPhone, iPad), Android phones and tablets, as well as Windows XP, 7, 8, 10, 11, Linux, and Chrome OS systems.

How does the wireless connectivity work with smartphones and tablets using the Ninyoon 4K WiFi Digital Microscope?

The Ninyoon 4K WiFi Digital Microscope supports wireless connectivity through the 2.4 GHz standard (IEEE 802.11 b/g/n). This allows seamless connections to iOS and Android devices for wireless operation.

Can I connect the Ninyoon 4K WiFi Digital Microscope to a Windows computer?

Yes, you can connect the Ninyoon 4K WiFi Digital Microscope to a computer running Windows XP, 7, 8, 10, or 11 using the provided USB cable. It also supports wired transmission via USB2.0 / USB3.0.

What is the battery life of the Ninyoon 4K WiFi Digital Microscope?

The Ninyoon 4K WiFi Digital Microscope features a built-in 1100mAh lithium battery, providing approximately 4 hours of usage between charges.

How do I adjust the brightness of the LED lights for better illumination on the Ninyoon 4K WiFi Digital Microscope?

The Ninyoon 4K WiFi Digital Microscope is equipped with a brightness adjustment pulley, allowing users to control the intensity of the LED lights for optimal specimen illumination.

Can I capture both photos and videos with the Ninyoon 4K WiFi Digital Microscope?

Yes, the Ninyoon 4K WiFi Digital Microscope offers both photo and video capture capabilities. It supports various photographic and video resolutions, including 3840x2160P (4K), 1920x1080P, 2048x1024P, and 1280x720P.

What is the maximum magnification of the Ninyoon 4K WiFi Digital Microscope?

The Ninyoon 4K WiFi Digital Microscope provides a maximum magnification of 1000x, allowing users to observe fine details with precision.

Is the Ninyoon 4K WiFi Digital Microscope suitable for educational purposes?

Yes, the Ninyoon 4K WiFi Digital Microscope is recommended for educational use. It can be used by students and teachers for various applications, including nature courses and detailed inspections.

Can I use the Ninyoon 4K WiFi Digital Microscope without a wireless connection?

Yes, the Ninyoon 4K WiFi Digital Microscope can be used both wirelessly and wired. It supports wireless connectivity through WiFi (IEEE 802.11 b/g/n) and can also be connected to devices via USB2.0 / USB3.0 for a wired connection.

What is the purpose of the Universal Bracket included with the Ninyoon 4K WiFi Digital Microscope?

The Universal Bracket is designed to provide stability during microscope use. It allows users to attach the microscope to various surfaces or stands, ensuring a steady and controlled viewing experience.

How do I change the focus on the Ninyoon 4K WiFi Digital Microscope?

The Ninyoon 4K WiFi Digital Microscope features manual focus. Users can adjust the focus manually for both short-range and long-range views, with a focusing range from 1 to infinity.

What operating systems are supported for Mac/Linux/Chrome OS when connecting the Ninyoon 4K WiFi Digital Microscope?

The Ninyoon 4K WiFi Digital Microscope is compatible with Mac, Linux, and Chrome OS. Users can connect the microscope to computers running these operating systems using the provided USB cable.

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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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