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## ScopeAround M28

# ScopeAround M28 Digital Otoscope User Manual

Model: M28

## 1. INTRODUCTION

Thank you for choosing the ScopeAround M28 Digital Otoscope. This device is designed to provide a clear visual inspection of the ear canal, teeth, mouth, and other small areas. It features a 3.9mm ultra-thin HD camera with LED lights and a 2.8-inch IPS LCD screen for direct viewing. This manual provides essential information for safe and effective use, setup, operation, and maintenance of your otoscope.

## 2. IMPORTANT SAFETY INFORMATION

**WARNING: Read all safety warnings and instructions before use. Failure to follow warnings and instructions may result in electrical shock, fire, and/or serious injury. Save all warnings and instructions for future reference.**

- This device is intended for personal visual inspection and earwax removal. Consult a medical professional for diagnosis or treatment of ear conditions.
- Do not insert the otoscope too deeply into the ear canal. Use the included speculums to prevent excessive insertion and avoid injury.
- Always clean the camera lens and accessories with alcohol prep pads before and after each use to maintain hygiene and prevent cross-contamination.
- Keep the device out of reach of children. Adult supervision is required when used by children.
- Do not use the device if it is damaged or malfunctioning.
- Avoid exposing the device to extreme temperatures or direct sunlight.
- Ensure the device is fully charged before use for optimal performance.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Otoscope Device (Main unit with 2.8" IPS LCD screen)
- Camera Cable with 3.9mm Ultra-Thin HD Camera Lens

- Ear Spoon attachment
- Specula (3 pieces)
- USB Type-C Charging Cable
- Magnetic Stand
- Q-tip Pack
- Alcohol Prep Pads
- User Manual
- Safety Warnings Card



Figure 3.1: All components included in the ScopeAround M28 Digital Otoscope package. This includes the main otoscope device, camera cable, ear spoon, speculums, charging cable, magnetic stand, Q-tips, alcohol pads, and documentation.

## 4. PRODUCT OVERVIEW

The ScopeAround M28 Digital Otoscope is a compact and user-friendly device designed for visual inspection. Key features include:

- **3.9mm Ultra-Thin Camera Lens:** Allows easy entry into narrow ear canals.
- **720P HD Camera with 6 LED Lights:** Provides clear, bright images and videos of the inspection area.
- **2.8" IPS LCD Screen:** Offers direct, real-time viewing without external apps or devices.
- **Plug & Play Design:** Simple operation, no Wi-Fi or app required.
- **Magnetic Stand:** Enables hands-free operation for convenience.
- **1200mAh Rechargeable Battery:** Provides 2-3 hours of continuous use.
- **Fixed Focal Length:** Optimized for sharp images at 0.4 to 0.8 inches.



Figure 4.1: The ScopeAround M28 Digital Otoscope, showcasing the main display unit, the camera probe, and various attachments. The device is designed for ease of use and direct visual feedback.

## I Lightweight & Ultra Portable

Small enough to fit in your pocket,  
easy to carry with lanyard



Figure 4.2: An exploded view diagram highlighting the 3.9mm ultra-fine diameter HD camera lens and its integrated LED lights, designed for clear observation in confined spaces.

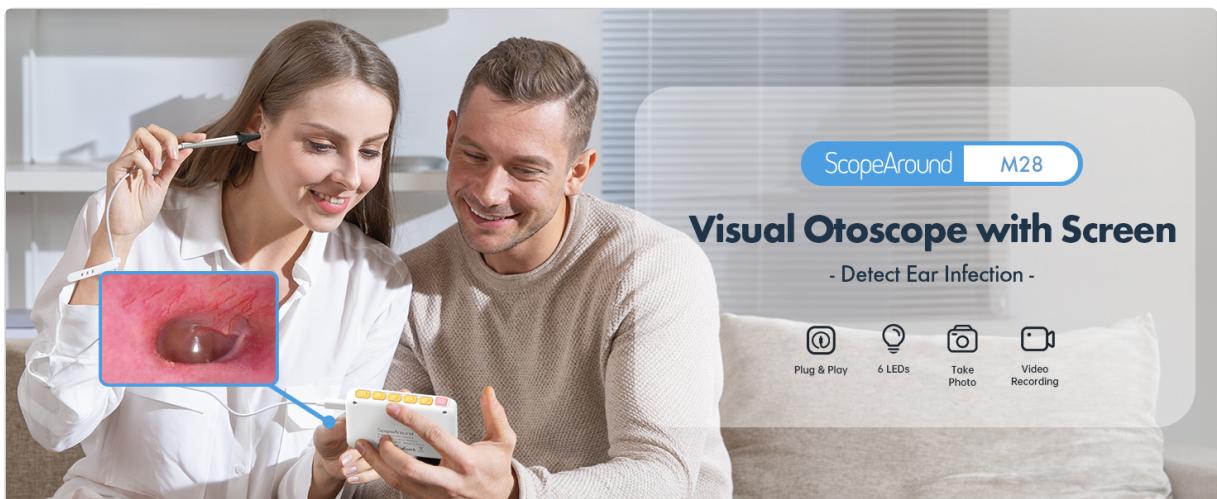


Figure 4.3: Illustration demonstrating the fixed focal length of the camera, providing optimal focus for sharp images within a range of 0.4 to 0.8 inches from the lens.



Figure 4.4: The otoscope camera's integrated LED lights are designed to illuminate dark ear canals, enhancing visibility and clarity during inspection.

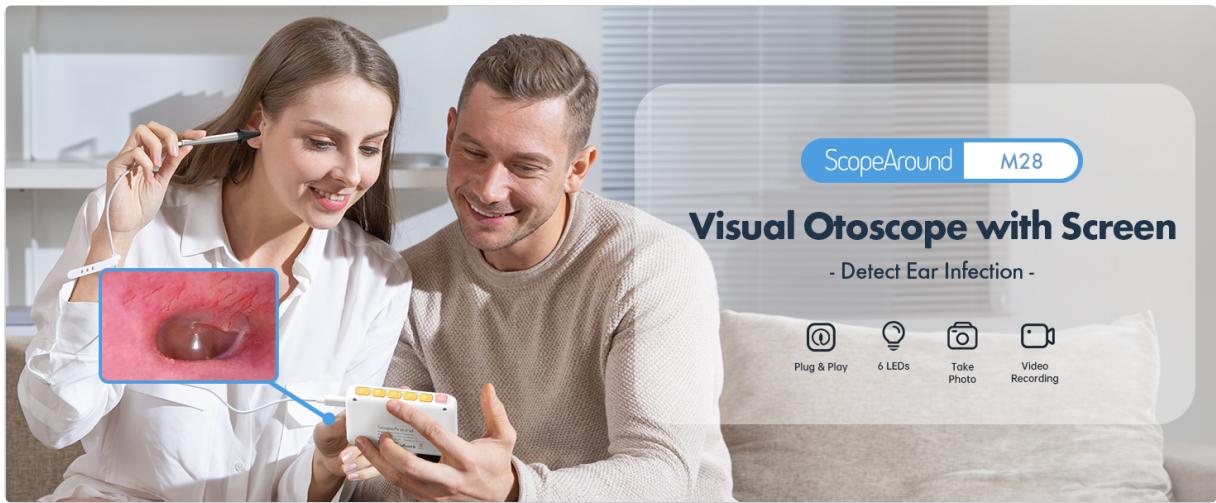


Figure 4.5: The otoscope features temperature control to ensure comfortable use. The otoscope tip maintains a temperature of approximately 77°F, while the handle is around 96.8°F.

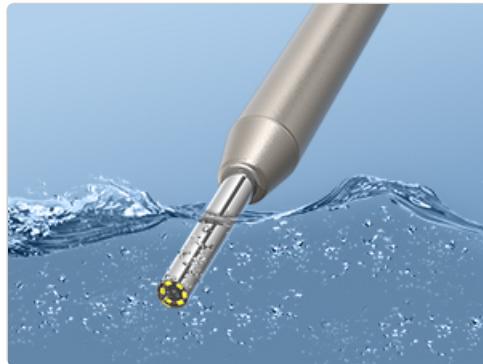


Figure 4.6: A protective speculum attached to the otoscope tip, designed to prevent over-insertion and ensure safe use during ear inspections.



Figure 4.7: The otoscope tip is designed to be waterproof, allowing for easy cleaning and maintenance after use.

## 5. SETUP INSTRUCTIONS

Follow these steps to set up your ScopeAround M28 Digital Otoscope:

- Charge the Device:** Before first use, fully charge the otoscope device using the provided USB Type-C charging cable. Connect the cable to the charging port on the device and a compatible USB power source. The battery indicator on the screen will show charging status.
- Attach Camera Probe:** Plug the camera probe cable into the designated port on the otoscope device.
- Select and Attach Accessory:** Depending on your intended use, attach either an ear spoon or a speculum to the tip of the camera probe. Ensure it is securely fitted.
- Power On:** Long press the power button (usually located on the top right) to turn on the device. The

screen will display the ScopeAround logo and then the live camera feed.

5. **Attach Magnetic Stand (Optional):** For hands-free viewing, attach the magnetic stand to the back of the main unit. It can be positioned to prop up the screen at a comfortable viewing angle.

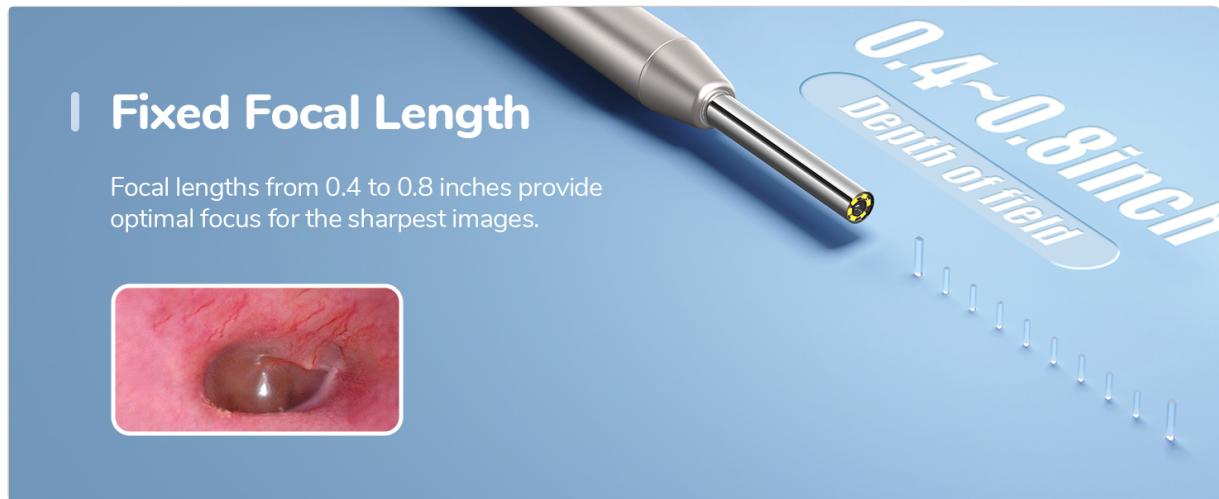


Figure 5.1: Visual steps for setting up the otoscope, including connecting the camera probe, attaching an ear speculum or spoon, and powering on the device.



Figure 5.2: The magnetic stand attaches to the back of the otoscope device, allowing it to stand independently for convenient hands-free viewing during use.

Your browser does not support the video tag.

Video 5.1: An official product video demonstrating the unboxing and initial setup of the ScopeAround M28 Digital Otoscope, including connecting the camera and powering on the device.

## 6. OPERATING INSTRUCTIONS

Once the device is set up, you can begin your inspection:

- **Live View:** The 2.8" IPS LCD screen will display a real-time view from the camera.
- **Taking Photos:** Press the Photo/Video button (usually the leftmost button with a camera icon) to capture a still image.
- **Recording Videos:** Hold down the Photo/Video button to start recording a video. Press it again to stop recording.
- **Zoom Function:** Use the Left/Zoom buttons to adjust the magnification of the image on the screen (up to 1.5X zoom).
- **Image Rotation:** Use the Right/Image Rotate buttons to rotate the image 180 degrees for better viewing angles.
- **Accessing Settings:** Press the Setting button to enter the device menu. Here you can adjust resolution, language, date/time, and other parameters.
- **Reviewing Media:** Navigate to the Playback option in the settings menu to view captured photos and videos.
- **Transferring Files:** Connect the device to a computer using the USB Type-C cable to transfer captured images and videos.

## I See More in Dark Ear Canals

Illuminate dark spaces and improve inspection clarity with powerful LED lights.

Figure 6.1: An overview of the otoscope device's buttons and ports, including Photo/Video, Zoom, OK, Image Rotate, Setting, Power, Camera Probe/Charging Port, Microphone, Magnetic Stand, and Reset.

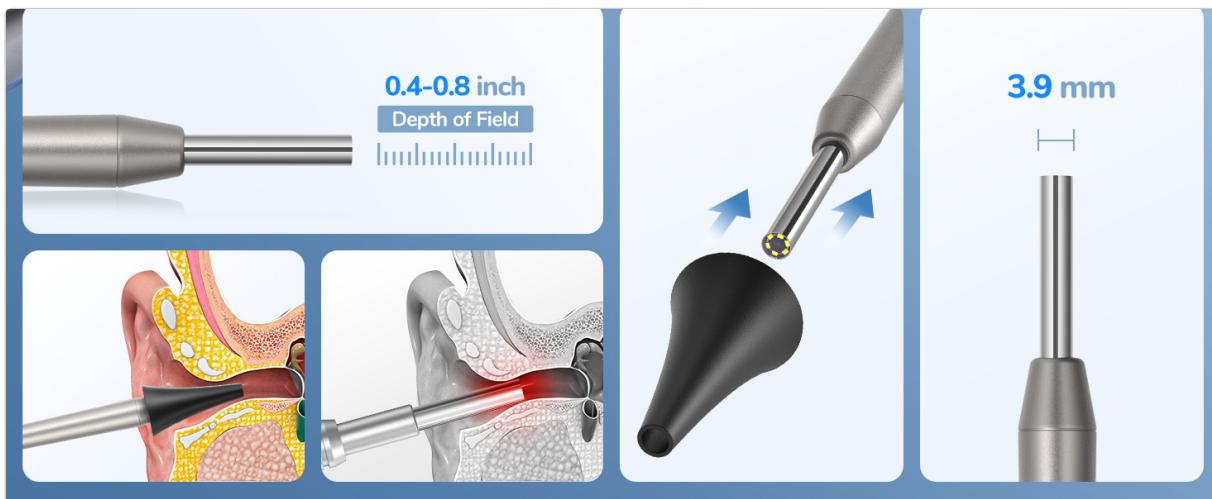


Figure 6.2: Visual examples of the otoscope's advanced features, including 1.5X digital zoom for detailed viewing, 180-degree image rotation for optimal orientation, and the ability to transfer files to a PC for storage or sharing.

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Video 6.1: An official product video showcasing the ScopeAround M28 Digital Otoscope in use, demonstrating its plug-and-play functionality and clear visual output on the integrated screen.

## 7. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and hygiene of your otoscope:

- **Cleaning the Lens:** Use the provided alcohol prep pads or Q-tips to gently clean the camera lens before and after each use. Ensure no residue remains.
- **Cleaning Accessories:** The ear spoon and speculums should also be cleaned with alcohol prep pads after each use.
- **Storage:** Store the device and its accessories in a clean, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Charge the device regularly, even if not in frequent use, to maintain battery health. Avoid fully depleting the battery for extended periods.

## I Rechargeable Battery

Work continuously for 2-3H

 1200 mAh  
Rechargeable Battery

 2-3 hours  
Work continuously



Figure 7.1: Instructions for cleaning the otoscope lens using an alcohol wipe and a Q-tip to ensure clear images and proper hygiene.

## 8. TROUBLESHOOTING

If you encounter issues with your ScopeAround M28 Digital Otoscope, try the following:

- **No Power:** Ensure the device is fully charged. Connect it to a power source and wait a few minutes before attempting to power on again.
- **No Image on Screen:** Verify that the camera probe is securely plugged into the device. If the issue persists, try unplugging and re-plugging the camera probe.
- **Blurry Image:** Ensure the camera lens is clean. The device has a fixed focal length, so adjust the distance between the camera tip and the object for optimal clarity (0.4-0.8 inches).
- **Device Unresponsive:** Use a thin pin to press the reset button (located near the charging port) to restart the device.
- **Cannot Transfer Files:** Ensure the device is properly connected to your computer via the USB Type-C cable. Check your computer's file explorer for the device.

## 9. SPECIFICATIONS

Feature	Specification
Product Dimensions	3.94 x 3.94 x 3.94 inches
Item Weight	8.8 ounces
Camera Lens Diameter	3.9mm
Display Screen	2.8" IPS LCD
Video Resolution	1280 x 720 pixels (720P HD)
Battery Capacity	1200mAh Lithium Polymer
Working Time	2-3 hours (continuous usage)
Storage	Internal (8GB, not expandable)
Connectivity	USB Type-C (for charging and data transfer)

## 10. WARRANTY AND SUPPORT

ScopeAround is committed to customer satisfaction. This product comes with a standard warranty as per the retailer's policy. For any questions, technical support, or warranty claims, please contact our US-based after-sales support team. Contact information can typically be found on our official website or through your purchase platform.

We are dedicated to providing high-quality technology and support for your health and wellness needs.

### Related Documents - M28

**ScopeAround**

User Manual  
WiFi Otoscope Camera



<https://scopearound.com/>

**General Information**

This operator manual allows you to work safely with the otoscope camera. Please keep this manual in a safe place and refer to it for any damage caused by not following this manual.

**Maintenance**

To clean this device, use a damp cloth or mild, non-abrasive cleaner. Fully charge the battery before you leave this device for long time to prevent damage to the battery.

**Storage and transport**

Immaculate transport can harm the device. Please store the device in the provided box in order to prevent damage.

**Information on disposal**

Electronic equipment does not belong into normal household waste. It must be disposed in accordance with the applicable statutory provisions.

— 01 —

**Description**

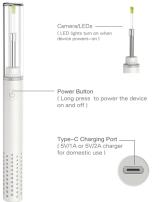
This otoscope camera is a portable, handheld video camera with short focal length. It's compatible with iPhone and Android devices. The 1080p high resolution camera provides great video quality, there are no shadows in the image. The camera makes the light path and increase the visual field of view.

**Safety**

- Select a speculum, then put it onto the head of the camera. Turn the camera to prevent the probe from hurting when you open it.
- Clean the surface of the device with 75% alcohol solution before contacting with the skin. Don't touch the device with your hands when the temperature is above 107°F.
- This appliance is not intended for use by persons with impaired physical, sensory or mental capabilities.
- Keep bystanders, children away while operating the tool.

— 02 —

**Product Description**



— 03 —

**Operation procedure**

- Search for 'BK WiFiOn APP' Store or Google Play Store, download the app.
- Or Scan QR code Download app.
- Select the speculum or ear-pick to install as needed.
- Long press the power button to turn on the device.

— 04 —

**ScopeAround WiFi Otoscope Camera User Manual**

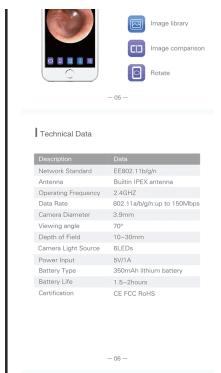
User manual for the ScopeAround WiFi Otoscope Camera, detailing its features, operation, safety precautions, and maintenance. Compatible with iPhone, iPad, and Android devices.

Enter the wifi setting menu of the app to find and connect with the device named Smart Otoscope.

Open the app once the wifi is connected. Observe the condition while the ear through the otoscope and APP in a real-time manner.

Take Photo

Record Video



- 05 -

#### Technical Data

Parameter	Detail
Network Standard	IEEE802.11b/g/n
Antenna	Built-in IPX5 antenna
Operating Frequency	2.4GHz
Data Rate	802.11b/g/n up to 150Mbps
Camera Distance	3.8mm
Viewing angle	70°
Depth of Field	10-30mm
Camera Light Source	LEDs
Power Input	6VDC
Battery	2500mAh lithium battery
Battery Life	1.5-2 hours
Certification	CE FCC RoHS

- 06 -

#### Notices

- Warning! This product cannot be used for the diagnosis and treatment of any patient unless specially specified by a physician.
- If the image is frozen, please REBOOT and RESTART the device.
- If you cannot turn on the scope, or it turns off after a few minutes of working, it can be the sign of low battery. Please turn off the scope and charge it again.
- In order to keep the image quality clear enough and maintain the quality of personal hygiene, please follow up these steps:
  - Please use the provided cleaning cloth to sanitize the device. Do not use any sharp object to clean. This can prevent your wire to stick on the tip of the camera.
  - Please keep a focal length of about 1 inch to achieve the best quality image taking the scope too far from your ear drum will result in a blurry image.
  - The ear canal is not perfectly straight, gently adjust the position of the otoscope to view your ear drum clearly.

- 07 -

#### Power Safety

When connecting your equipment to a power source:

- Check the voltage rating before you connect this equipment to an electrical outlet.
- Use only branded AC adapter approved for use with this device.
- Please use the AC adapter and the this equipment in a ventilated area, such as desk top or on the floor, when you use it to charge the battery.
- The AC adapter and this equipment may become hot during charge operation.

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#### Customer Service

Please contact us if you have any questions.  
We love to hear from you.

- <https://scopearound.com>
- (+1) 877-886-7979
- usa0@windysburg.com



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## [ScopeAround SA39A Digital Otoscope User Manual](#)

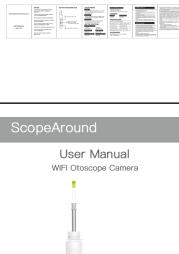
User manual for the ScopeAround SA39A portable, handheld video otoscope camera. This guide covers product description, safety warnings, operation procedures, technical specifications, maintenance, and disposal information.



ScopeAround  
Smart Otoscope  
Model No.: SA39A

## [ScopeAround SA200 Smart Otoscope User Manual](#)

User manual for the ScopeAround SA200 Smart Otoscope, detailing its features, specifications, operation, connectivity, data transfer, troubleshooting, and safety information.



## [Sports Bluetooth Earphone M28 User Manual](#)

User manual for the Sports Bluetooth Earphone M28, detailing features, operation, specifications, and safety information.





<https://scopearound.com/>

#### General Information

This operation manual allows you to work safely with the otoscope camera. Please keep this manual in a safe place and read it carefully for any damage caused by not following this manual.

#### Maintenance

➢ To clean this device, use a damp cloth or mild, non-abrasive cleaner. Fully charge the battery before you leave this device for long time to prevent damage to the battery.

#### Storage and transport

➢ Improper transport can harm the device. Please store the device in the provided box in order to prevent damage.

#### Information on disposal

➢ Electronic equipment does not belong into normal household waste. It must be disposed of in accordance with the applicable statutory provisions.

- 01 -

#### Description

This otoscope camera is a portable, handheld video camera with a built-in 2.0MP camera and a 0.3MP camera. It is compatible with iPhone, iPad, Android device and Tablet. The high resolution camera allows you to see clearly. The built-in 6 LED lights on the tip of the camera makes the light path and increase the visual field of view.

#### Safety

- Select a speculum - then put it onto the head of the camera. Please make sure that the speculum is not prone from hurting when you use this otoscope camera.
- Clean the surface of the device with 75% alcohol solution before contacting with the skin. Disinfect the otoscope camera with 70% isopropyl alcohol (70% IPA).
- This appliance is not intended for use by persons with diminished physical, sensory or mental capabilities. Keep bystanders, children away while operating the tool.

- 02 -

#### Product Description



- 03 -

#### Operation procedure

- ① Search for "BK WiFi" on APP Store or Google Play Store. Download the app. Or Scan QR code Download APP.
- ② Select the speculum or ear-pick to install as needed.
- ③ Long press the power button to turn on the device.

- 04 -

- ④ Enter the wifi setting menu of the phone to find and connect with the WiFi named "Scope WiFi".



- ⑤ Open the app once the wifi is connected. Observe the condition within the ear through the otoscope and APP in a real-time manner.



- 05 -

#### Technical Data

Parameter	Detail
Network Standard	IEEE802.11b/g/n
Antenna	Button IP6X antenna
Operating Frequency	2.4GHz
Data Rate	802.11b/g/n up to 150Mbps
Camera Element	3.9mm
Viewing angle	70°
Depth of Field	10-50mm
Camera Light Source	6LEDs
Power Input	5VDC
Battery Type	2600mAh lithium battery
Battery Life	1.5-2hours
Certification	CE FCC RoHS

- 06 -

#### Notices

- Warning! This product cannot be used for the diagnosis of any disease or any patent unless specially specified by a physician.
- If the image is frozen, please REBOOT and RESTART the device.
- If you cannot turn on the scope, or it turns off after a few minutes of working, it can be the sign of low battery. Please charge the battery and turn it on again.
- In order to keep the image quality clear enough and maintain a good result & personal hygiene, please follow up these steps:
  - Please use the provided cleaning cloth to sanitize the camera and the ear-pick. Please note that the cloth can prevent ear wax to stick on the tip of the camera and ear-pick.
  - Please keep a final length of about 1 inch to achieve the best quality imprecipating the scope too far from your ear.
- The ear canal is not perfectly straight, gently adjust the position of the otoscope to view your ear drum clearly.

- 07 -

#### Power Safety

When connecting your equipment to a power source:

- Check the voltage rating before you connect this equipment to the power source.
- Use only branded AC adapter approved for use with this device.
- Place the AC adapter and the main equipment in a permanent area, such as desk top or on the floor, when you use it to charge the battery.
- The AC adapter and this equipment may become hot during charge operation.



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