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› GeowFiiTech M1 4K Night Vision Monocular User Manual

GeowFiiTech M1

GeowFiiTech M1 4K Night Vision Monocular

User Manual

1. INTRODUCTION

Welcome to the user manual for your new GeowFiiTech M1 4K Night Vision Monocular. This device is designed to enhance your outdoor experiences, providing clear vision in low-light and complete darkness conditions. Please read this manual thoroughly to understand the features, proper operation, and maintenance of your monocular.

Safety Precautions

- Do not look directly at strong light sources through the monocular, especially the sun, as this can cause permanent eye damage.
- Keep the device away from extreme temperatures, humidity, and dust.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or repair the monocular yourself. Contact qualified personnel for service.
- Ensure the device is turned off when not in use to conserve battery life.

2. PRODUCT OVERVIEW

Key Features

- 4K video recording and 40MP photo capture.
- 25mm multi-coated lens for enhanced imaging.
- Integrated 850nm IR illuminator with 7 adjustable levels for clear vision in complete darkness.
- 2.0" IPS TFT screen with 5-level adjustable brightness.
- 8x digital zoom and 10x optical magnification.
- Viewing range up to 984ft (300m).
- Rechargeable 2000mAh battery providing up to 10 hours of working time.
- Supports photo, video (with audio), and playback modes.
- Includes a 32GB memory card.

Package Contents

Upon opening your package, please verify that all items listed below are present:

- 1x GeowFiiTech M1 Night Vision Monocular
- 1x 32GB Memory Card
- 1x USB Data Transfer/Charging Cable (Type-C)
- 1x Neck Strap
- 1x Hand Strap
- 1x Storage Bag
- 1x Cleaning Cloth
- 1x Multi-language Manual (this document)



Figure 2.1: Included accessories and components in the product package.

Device Layout

Familiarize yourself with the various parts and controls of your monocular:

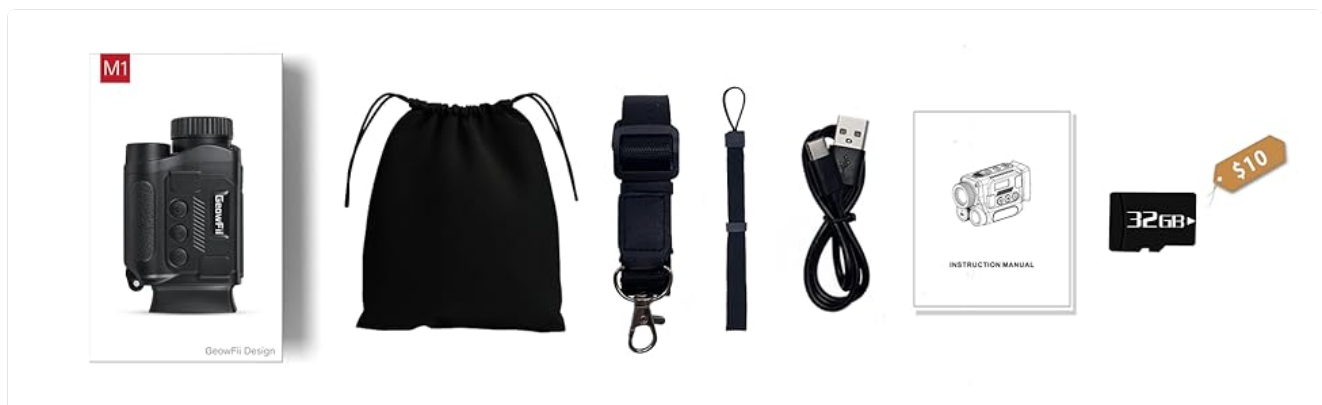


Figure 2.2: Front, side, and rear views of the monocular with labeled controls and ports.

Adjust Lens: Used for focusing the image.

Power Button: Turns the device on/off.

Menu Button: Accesses the device settings.

IR On/Off / Level Switch: Activates/deactivates the infrared illuminator and adjusts its intensity.

Lanyard Hole: Attachment point for neck or hand strap.

Up/Down Buttons: Navigate menus and adjust zoom/IR levels.

OK/Photo/Video Button: Confirms selections, takes photos, or starts/stops video recording.

Bracket Nut for Tripod: Standard tripod mounting thread.

Memory Card Holder: Slot for inserting the microSD card.

USB/Charge Port (Type-C): For charging the device and transferring data.

3. SETUP

Charging the Battery

The monocular uses a rechargeable 2000mAh battery. For optimal performance, fully charge the device before first use.

1. Locate the USB/Charge Port (Type-C) on the device.
2. Connect the provided USB Type-C cable to the monocular and the other end to a USB power source (e.g., wall adapter, power bank, computer USB port).
3. The charging indicator will show the charging status. A full charge typically takes about 3 hours.
4. Once fully charged, disconnect the cable. The battery provides up to 10 hours of working time.



2000mAh

10H
Work time

30H
Standby time

3H
Charging

Rechargeable Battery

Free from the burden of carrying several batteries.

(For safe use, the battery has been installed correctly and sealed)

Figure 3.1: The monocular features a long-lasting rechargeable battery.

Inserting the Memory Card

A 32GB memory card is included for storing your photos and videos.

1. Locate the Memory Card Holder slot on the side of the monocular.
2. Gently insert the 32GB microSD card into the slot with the gold contacts facing down, until it clicks into place.
3. To remove the card, gently push it in again until it springs out.



Figure 3.2: The monocular comes with a 32GB memory card for immediate use.

4. OPERATING INSTRUCTIONS

Powering On/Off

- To power on, press and hold the **Power Button** until the screen illuminates.
- To power off, press and hold the **Power Button** again until the screen turns off.

Adjusting Focus and Zoom

- **Focus:** Rotate the **Adjust Lens** ring (located around the objective lens) to achieve a clear image of your subject. Adjust for both near and far objects.
- **Digital Zoom:** Use the **Up** and **Down** buttons to adjust the digital zoom level (up to 8x). The monocular also features 10x optical magnification.

M1-4K **OTHER**

8X **4X**

40MP **6MP**

VS

984ft (300m) Viewing Range

8x Digital

10x Optical

GeowFi

LEATHER TOUCH (ANTI-SLIP)

*Please be sure to adjust the lens after zoom in/out for clear display.

Figure 4.1: The monocular offers significant zoom capabilities and a wide viewing range.

Infrared (IR) Illuminator Control

The 850nm IR illuminator allows for clear vision in complete darkness. It has 7 adjustable levels.

- Press the **IR On/Off / Level Switch** button to cycle through the 7 IR intensity levels.
- Higher IR levels provide brighter illumination but may consume more battery.
- In daylight conditions, the IR illuminator is not necessary and should be turned off.

Clear View in 100% Darkness



Self-Developed Lens

The performance of the self-developed 25mm lens breaks through the general lens in the market, which will not let you down. Equipped with 850 nm high quality IR illuminator and 7 adjustable levels, you can adjust the IR level to meet your needs during the night observation.



Figure 4.2: Adjustable IR levels provide optimal visibility in varying dark conditions.

Photo and Video Modes

The monocular supports capturing both high-resolution photos and 4K videos with audio.



Figure 4.3: Capture stunning 4K videos with audio and 40MP images.

- **Switching Modes:** Press the **M (Mode) Button** to cycle between Photo, Video, and Playback modes. The current mode will be displayed on the screen.
- **Taking Photos:** In Photo mode, press the **OK/Photo/Video Button** once to capture a still image.
- **Recording Videos:** In Video mode, press the **OK/Photo/Video Button** once to start recording. Press it again to stop recording. A recording indicator will typically appear on the screen.

Day and Night Use

The GeowFiiTech M1 is versatile for both daytime and nighttime observation.

- **Daytime:** The device operates as a regular monocular, capturing full-color images and videos. Ensure the IR illuminator is off.
- **Nighttime:** Activate the IR illuminator and adjust its level for clear black-and-white vision in darkness.

DAY&NIGHT USE



*Only to show the functions, the operation display please be subject to actual situation.

Figure 4.4: The monocular is designed for effective use in both day and night conditions.

Viewing Playback

- In Playback mode, use the **Up** and **Down** buttons to navigate through your captured photos and videos.
- Press the **OK/Photo/Video Button** to view a selected item or play a video.

5. MAINTENANCE

Cleaning the Device

- Use the provided cleaning cloth to gently wipe the lenses and screen. Avoid using abrasive materials or harsh chemicals.
- For the body of the monocular, a soft, damp cloth can be used. Ensure no moisture enters the ports or battery compartment.

Storage

- When not in use, store the monocular in the provided storage bag to protect it from dust and scratches.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.

Battery Care

- Avoid fully discharging the battery frequently.
- Charge the battery regularly, even if the device is not used often.
- Use only the provided charging cable or a compatible Type-C cable.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Charge the battery fully using the provided USB-C cable.
Image is blurry or out of focus.	Lens not properly focused.	Rotate the "Adjust Lens" ring until the image becomes clear.
Screen is too bright/dim.	Screen brightness setting.	Adjust the screen brightness in the device settings menu.
Poor night vision performance.	IR illuminator off or low level; environmental factors.	Ensure IR illuminator is on and adjust to a higher level. Check for obstructions.
Buttons are unresponsive.	Temporary software glitch; low battery.	Restart the device. Ensure battery is charged. If problem persists, contact support.
Cannot record photos/videos.	Memory card full or not inserted correctly.	Check memory card insertion. Delete old files or replace card if full. Ensure correct mode is selected.

7. SPECIFICATIONS

Feature	Detail
Brand	GeowFiiTech
Model	M1 4K
Photo Resolution	40MP
Video Resolution	4K (with audio)
Objective Lens Diameter	25 Millimeters
Magnification	10x Optical, 8x Digital Zoom

Feature	Detail
IR Illuminator	850nm, 7 Levels Adjustable
Viewing Range (Full Darkness)	Up to 984ft (300m)
Screen	2.0" IPS TFT (5-level adjustable brightness)
Battery	2000mAh Rechargeable (approx. 10 hours work time)
Memory Card	32GB microSD (included)
Product Dimensions	3.03"L x 4.72"W x 7.01"H
Item Weight	1.13 ounces (0.07 Pounds)
Mounting Type	Tripod Socket Hole / Picatinny Mount

M1 4K NEW UPGRADED



Features	M1 - 4K version	vs Others
Photo&Video	40 MP + 4K FHD	8MP / 720P
Viewing Screen	2.0" IPS HD Screen	1.5" LCD
Objective Lens	Self-developed 25mm Lens	20mm
Lens Coating	FMC(Fully Multi-Coated)	Fully Coated
Power	2000mAh Rechargeable Battery	1000mAh battery
Zoom	Optical:10X , Digital: 8X	4X
Viewing Range	984ft (300m)	650ft
Illuminator	YES, wavelength 850NM	YES
Adjustable IR Level	7 Levels	Some YES
Adjustable Aperture	YES	Some YES
Modes	Night & Day Use	Night & Day Use
Memory Card	32G (included)	Some have
Storage Bag	YES	Some YES

Figure 7.1: Detailed feature comparison of the M1 4K model.

8. WARRANTY AND SUPPORT

GeowFiiTech is committed to providing high-quality products and customer service. While specific warranty details are not provided in this manual, we encourage you to contact us directly for any questions, feedback, or support needs.

Our team strives to offer effective solutions within 24 hours.

For support, please refer to the contact information provided with your purchase or visit the official GeowFiiTech store on Amazon: [GeowFiiTech Amazon Store](#).