HIKMICRO HK037

HIKMICRO LYNX PRO LH19 2.0 Thermal Vision Monocular User Manual

Model: HK037 | Brand: HIKMICRO

1. INTRODUCTION

The HIKMICRO LYNX PRO LH19 2.0 Thermal Vision Monocular is an advanced optical device designed for observation in complete darkness or challenging light conditions. Utilizing cutting-edge thermal imaging technology, it detects infrared radiation emitted by objects, converting it into a visible image. This monocular offers exceptional resolution and an extended detection range, making it suitable for various applications including wildlife observation, outdoor exploration, and security surveillance. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device.

2. SAFETY INFORMATION

Please read and understand all safety precautions before using the device. Failure to follow these instructions may result in injury or damage to the device.

- **Do not point the device directly at strong light sources** such as the sun, lasers, or intense artificial lights, as this may damage the thermal sensor.

- **Keep the device away from water and moisture** unless it is specifically rated for waterproof use. Refer to specifications for water resistance ratings.

- **Avoid extreme temperatures.** Operate and store the device within the specified temperature ranges to prevent damage to internal components.

- **Handle with care.** Do not drop or subject the device to severe impacts.

- **Do not attempt to disassemble or modify the device.** Unauthorized modifications will void the warranty and may cause damage.

- **Use only approved chargers and accessories.** Using unapproved accessories may cause fire, explosion, or other hazards.

- **Dispose of batteries properly.** Follow local regulations for battery disposal.

3. PRODUCT OVERVIEW

The HIKMICRO LYNX PRO LH19 2.0 is designed for ergonomic handling and intuitive operation. Familiarize yourself with the main components and controls:

Figure 3.1: Side view of the HIKMICRO LYNX PRO LH19 2.0, showing the main body and the LH19 2.0 model designation.

Figure 3.2: Angled view highlighting the top control buttons and the LH19 2.0 label on the side panel.

Figure 3.3: Angled view from the eyepiece side, showing the diopter adjustment ring and the top control buttons.

Key Components:

- **Objective Lens:** Front lens that collects infrared radiation.
- **Eyepiece:** Where you look to view the thermal image. Features a diopter adjustment for focus.
- **Control Buttons:** Located on the top panel for power, mode selection, zoom, and image/video capture. (Specific button functions detailed in Section 5)
- **USB-C Port:** For charging and data transfer (typically located under a protective cover).
- **Strap Loop:** For attaching a wrist or neck strap.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the device's internal battery. Connect the provided USB-C cable to the monocular's USB-C port and the other end to a compatible USB power adapter (not always included) or a computer's USB port. The charging indicator will show the charging status and turn off when fully charged.

4.2 Powering On/Off

- **To Power On:** Press and hold the Power button (usually marked with or a similar icon) for approximately 3 seconds until the HIKMICRO logo appears on the screen.
- **To Power Off:** Press and hold the Power button again for approximately 3 seconds. A power-off prompt may appear; confirm to shut down the device.

4.3 Diopter Adjustment

Adjust the diopter to achieve a clear image for your eyesight. While looking through the eyepiece, rotate the diopter adjustment ring (located near the eyepiece) until the on-screen display elements (e.g., icons, text) appear sharp and in focus.

5. OPERATING

5.1 Basic Operation

- **Observation:** Once powered on, point the objective lens towards the area you wish to observe. The thermal image will appear on the OLED display.
- **Digital Zoom:** Press the Zoom button (often marked with a magnifying glass icon) to cycle through different digital zoom levels (e.g., 1x, 2x, 4x, 8x).
- **Color Palettes:** Press the Mode/Palette button to switch between different thermal color palettes (e.g., White Hot, Black Hot, Red Hot, Fusion). Each palette highlights temperature differences in a unique way.
- **Image/Video Capture:** Press the Capture button (often marked with a camera or video camera icon) to take a still image or start/stop video recording. Captured media is saved to the internal memory.

5.2 Menu Navigation

Access the main menu by pressing and holding a designated menu button (refer to your device's specific button layout). Use the navigation buttons (often the zoom or mode buttons double as navigation) to scroll through menu options. Press the select button (often the power button or a dedicated select button) to confirm selections. Menu options typically include:

- Brightness/Contrast adjustment
- Hot Spot Tracking
- Distance Measurement (if equipped)
- Wi-Fi settings (for app connectivity)
- System settings (language, date/time, factory reset)

6. MAINTENANCE

6.1 Cleaning the Device

- **Lenses:** Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surface. For stubborn smudges, use a small amount of lens cleaning solution applied to the cloth, not directly to the lens.
- **Body:** Wipe the device body with a soft, damp cloth. Do not use abrasive cleaners, solvents, or strong chemicals.
- **Avoid excessive moisture:** Ensure all port covers are securely closed before cleaning or if exposed to light rain.

6.2 Battery Care and Storage

- **Regular Charging:** For optimal battery life, avoid completely draining the battery frequently. Charge the device regularly.
- **Long-Term Storage:** If storing the device for an extended period, charge the battery to approximately 50-70% capacity. Store in a cool, dry place away from direct sunlight. Recharge every 3-6 months to prevent deep discharge.

7. TROUBLESHOOTING

If you encounter issues with your HIKMICRO LYNX PRO LH19 2.0, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Charge the device fully.
Image is blurry or out of focus.	Diopter not adjusted correctly.	Adjust the diopter ring until the image is clear.
No thermal image displayed.	Lens cap is on or objective lens is obstructed.	Remove the lens cap. Ensure nothing is blocking the objective lens.
Device freezes or becomes unresponsive.	Software glitch or temporary error.	Perform a forced restart by holding the Power button for an extended period (e.g., 10-15 seconds). If the issue persists, consider a factory reset via the menu (note: this will erase custom settings).
Short battery life.	Battery degradation or frequent use of power-intensive features.	Ensure the device is fully charged. Reduce screen brightness or turn off Wi-Fi if not needed. If battery life remains significantly reduced, contact customer support.

If the problem persists after trying these solutions, please contact HIKMICRO customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Brand	HIKMICRO
Model Number	HK037 (LYNX PRO LH19 2.0)
Manufacturer	Hikmicro
ASIN	B0FBXCDTKZ
Night Vision Capability	Yes (Thermal Imaging)
Release Date on Amazon.com.be	20 February 2024
Product Type	Thermal Vision Monocular

Feature	Detail
Display Type	OLED HD (as per product description)

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official HIKMICRO website. HIKMICRO typically offers a limited warranty covering manufacturing defects.

For technical support, service, or inquiries regarding your HIKMICRO LYNX PRO LH19 2.0, please contact HIKMICRO customer service through their official channels. You can usually find contact information on their website:

Visit HIKMICRO Official Website

Related Documents - HK037

	HIKMICRO LYNX 3.0 Series Thermal Monocular Quick Start Guide Get started with your HIKMICRO LYNX 3.0 Series thermal monocular. This quick start guide covers setup, features, battery, charging, and app connection for this advanced thermal imaging device.
	HIKMICRO HEIMDAL Series Digital Night Vision Monocular User Manual User manual for the HIKMICRO HEIMDAL Series digital night vision monocular, covering device description, functions, preparation, image settings, picture/video recording, maintenance, and troubleshooting.
	**HIKMICRO Handheld Thermal Monocular Camera Quick Start Guide	Thermal Imaging Device** Discover the HIKMICRO Handheld Thermal Monocular Camera, a portable thermal imaging device for observation, target tracking, and distance measurement. Ideal for law enforcement, hunting, and outdoor exploration, it offers clear vision in darkness and connectivity via the T-Vision app. Learn more in this quick start guide.
	HIKMICRO LYNX S & LYNX Pro Series Thermal Monocular Quick Start Guide A quick start guide for the HIKMICRO LYNX S and LYNX Pro series thermal monoculars, detailing features, package contents, appearance, button functions, charging, and app connection.

	HIKMICRO LYNX S & LYNX Pro Series Thermal Monocular Quick Start Guide Get started quickly with your HIKMICRO LYNX S & LYNX Pro thermal monocular. This guide provides essential information on introduction, package contents, appearance, button functions, charging, and app connection for your device.
	HIKMICRO LYNX S & LYNX Pro Thermal Monocular User Manual - Features, Settings, and Operation User manual for the HIKMICRO LYNX S and LYNX Pro Series thermal monoculars. Covers setup, image settings, system configurations, and troubleshooting for optimal performance in hunting and outdoor observation.