LIZHOUMIL R11

LIZHOUMIL R11 Digital Night Vision Monocular Instruction Manual

1. Introduction

The LIZHOUMIL R11 Digital Night Vision Monocular is designed for clear observation in various light conditions, including complete darkness. It allows for capturing high-definition photos and videos, making it suitable for activities such as wildlife observation, surveillance, and outdoor exploration. This device features 1080p video recording, 5X digital zoom, and a 300-meter infrared night vision range with 7 adjustable IR levels.



Image 1.1: The LIZHOUMIL R11 Digital Night Vision Monocular, shown with an optional helmet mount for hands-free operation.

2. Product Overview

2.1 Components and Controls

Familiarize yourself with the various parts and controls of your LIZHOUMIL R11 Digital Night Vision Monocular.



Image 2.1: Top view of the monocular with labeled controls.

- **Focus Adjustor:** Rotates to achieve a clear image.
- **Photo** / **Video Button:** Press to capture a photo or start/stop video recording.
- **IR Up** / **Zoom In** / **Up Button:**Increases infrared intensity, zooms in, or navigates up in menus.
- **IR Down** / **Zoom Out** / **Down Button:** Decreases infrared intensity, zooms out, or navigates down in menus.
- **MENU Button:** Accesses the device's settings menu.
- **MODE Button:** Switches between Photo, Video, and Playback modes.
- **ON/OFF Button:** Powers the device on or off.



Image 2.2: Front and side view of the monocular with labeled components.

- **Objective Lens:** The main lens that gathers light for observation.
- **IR LED:** Infrared Light Emitting Diode, provides illumination for night vision.
- **MIC:** Microphone for audio recording during video capture.
- **Battery Cover:** Secures the internal battery compartment.
- **Hand Strap:** Provides a secure grip and prevents accidental drops.
- **Type-C Charging Port:** Used for charging the device's internal battery.
- **TF Card Slot:** Slot for inserting a microSD (TF) memory card.
- **Tripod Adapter:** Standard threaded mount for attaching to a tripod.

2.2 Dimensions



Image 2.3: Physical dimensions of the monocular.

- **Length:** 160mm (6.3 inches)
- **Width:** 75mm (2.95 inches)
- **Height:** 55mm (2.17 inches)
- **Weight:** Approximately 190g (6.7 ounces)

3. Setup

3.1 Charging the Device

1. Locate the Type-C Charging Port on the side of the monocular.
2. Connect the provided USB Type-C cable to the port and the other end to a suitable USB power source (e.g., wall adapter, computer USB port).
3. The charging indicator will illuminate. Allow the device to charge fully before first use.

3.2 Inserting a Memory Card

A microSD (TF) card is required to save photos and videos. The device supports cards up to 128GB (not included).

1. Locate the TF Card Slot on the side of the monocular.
2. Gently insert a compatible microSD card into the slot with the contacts facing down until it clicks into place.
3. To remove, push the card inward until it springs out.

4. Operating Instructions

4.1 Power On/Off

- **To Power On:** Press and hold the ON/OFF Button until the screen illuminates.
- **To Power Off:** Press and hold the ON/OFF Button until the screen turns off.

4.2 Mode Selection

Press the **MODE Button** repeatedly to cycle through the available modes: Photo Mode, Video Mode, and Playback Mode.

4.3 Focus Adjustment

Rotate the **Focus Adjustor** ring located near the eyepiece until the image on the screen appears sharp and clear.

4.4 Infrared (IR) Adjustment

In night vision mode, the IR illuminator provides visibility in low light or complete darkness. The device has 7 adjustable IR levels.



Image 4.1: Visual representation of increasing clarity with higher IR levels.

- Press the **IR Up Button** to increase the IR intensity.
- Press the **IR Down Button** to decrease the IR intensity.
- Adjust the IR level to suit the ambient light conditions for optimal viewing.

4.5 Digital Zoom

The monocular features up to 5X digital zoom.

- Press the **IR Up** / **Zoom In Button** to digitally zoom in on the subject.
- Press the **IR Down** / **Zoom Out Button** to digitally zoom out.



Image 4.2: Illustration of optical and digital zoom capabilities.

4.6 Photo Capture

1. Switch to **Photo Mode** using the MODE Button.
2. Frame your subject on the screen.
3. Press the **Photo** / **Video Button** to capture a still image.

4.7 Video Recording

1. Switch to **Video Mode** using the MODE Button.
2. Frame your subject on the screen.
3. Press the **Photo** / **Video Button** once to start recording. A recording indicator will appear on the screen.
4. Press the **Photo** / **Video Button** again to stop recording.



Image 4.3: Example of day and night image capture.

4.8 Playback

1. Switch to **Playback Mode** using the MODE Button.
2. Use the **IR Up** / **Down Buttons** to navigate through your captured photos and videos.
3. To exit Playback Mode, press the MODE Button again.

4.9 Menu Settings

Press the **MENU Button** to access various settings, including image resolution, video resolution, date/time stamp, language, and formatting the memory card. Use the IR Up/Down buttons to navigate and the Photo/Video button to select options.

5. Maintenance

- **Cleaning Lenses:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the objective lens and eyepiece. Avoid abrasive materials or harsh chemicals.
- **Cleaning Body:** Wipe the monocular's body with a soft, damp cloth. Do not immerse the device in water.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

Ensure the battery is partially charged (around 50%) if storing for extended periods.

- **Battery Care:** Recharge the battery regularly to maintain its lifespan. Avoid completely draining the battery frequently.

6. Troubleshooting

- **Device does not power on:**
  - Ensure the battery is sufficiently charged. Connect to a power source and allow it to charge.
  - Press and hold the ON/OFF button for several seconds.
- **No image or poor image quality:**
  - Adjust the Focus Adjustor until the image is clear.
  - In low light or darkness, increase the IR intensity using the IR Up button.
  - Ensure the objective lens is clean and free from obstructions.
- **Cannot record photos or videos:**
  - Verify that a compatible microSD card is inserted correctly into the TF Card Slot.
  - Check if the memory card has sufficient free space. Delete unnecessary files or insert a new card.
  - Format the memory card through the device's menu settings (this will erase all data).
- **Short battery life:**
  - Ensure the battery is fully charged before use.
  - High IR intensity and frequent video recording consume more power. Reduce IR level if possible.

7. Specifications

Feature	Specification
Still Image Size	10M (4032x2520), 8M (3800x2160), 5M (3200x1800), 3M (2560x1440), VGA (640x480)
Video Size	FHD (1920x1080@30FPS), HD (1280x720@30FPS)
Lens	FOV=10°, Diameter 24mm
Display	1.54" TFT Screen
Digital Zoom	5X
Storage Medium	MicroSD card up to 128GB (not included)
All Black Observation Distance	200m ~ 300m (656ft ~ 984ft)
Low Light Viewing Distance	3 meters to infinity
Infrared Lamp	3W, 850nm, 7 levels of IR adjustment
USB Interface	Type-C USB

Power Supply	2600mAh rechargeable lithium battery (included)
Working Temperature	-20°C to +60°C (-4°F to +140°F)
Storage Temperature	-30°C to +70°C (-22°F to +158°F)
Product Weight	Approx. 190g (6.7 ounces)
Product Dimensions	160 x 75 x 55mm (6.3 x 2.95 x 2.17 inches)

8. Warranty and Support

For product support, warranty inquiries, or technical assistance, please contact LIZHOUMIL customer service through your purchase platform or the official brand website. Please retain your proof of purchase for any warranty claims.