Moultrie MRC20003-D55IR-RB

Moultrie Game Spy D55-IRXT Infrared Flash Camera User Manual

Model: MRC20003-D55IR-RB

Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your Moultrie Game Spy D55-IRXT Infrared Flash Camera. This camera is designed to capture high-quality images and videos of wildlife, day or night, with its infrared flash technology.



Figure 1: Front view of the Moultrie Game Spy D55-IRXT camera, showcasing its durable, weather-resistant camo casing.

Key Features

- **Infrared Flash:** Captures clear night pictures and videos without disturbing wildlife.
- **High Resolution:** Offers three picture resolutions and two video resolutions for versatile recording.
- **Fast Fire Continuous Shooting:** Captures up to 3 photos per second for rapid action.
- **Flexible Delay Settings:** Adjustable picture delay from 15 seconds to 60 minutes.
- **Operational Modes:** Supports IR triggered game camera, Hybrid time-lapse plot camera, and Plot camera by day/infrared camera at night modes.
- **Data Overlay:** Photos include temperature, moon phase, time, date, and camera ID.
- **Expandable Storage:** SD memory card slot supports up to 32GB (SD card not included).
- **External Power Option:** Compatible with optional Moultrie Power Panel (not included).
- **Durable Design:** Weather-resistant camo casing for outdoor use.

Parts Identification

Familiarize yourself with the components of your Moultrie Game Spy D55-IRXT camera.



Figure 2: Internal view of the camera, displaying the control panel, LCD screen, and various ports.

1. **Infrared LEDs:** For night illumination.
2. **Main Lens:** Primary camera lens.
3. **PIR Sensor:** Passive Infrared sensor for motion detection.
4. **LCD Display:** Shows settings and status.
5. **Control Buttons:** Navigation and selection buttons (Mode, Enter, Arrow keys).
6. **SD Card Slot:** For memory card insertion.

7. **USB Port:** For connecting to a computer.
8. **TV Out Port:** For connecting to a television.
9. **External Power Port:** For optional external power source.
10. **Battery Compartment:** Holds 6 C-cell batteries.
11. **Mounting Strap Slots:** For securing the camera to a tree or post.

Setup

1. Battery Installation

The camera requires 6 C-cell batteries (not included). For optimal performance and battery life, especially in cold conditions or when using video modes, lithium batteries are recommended.

1. Open the camera casing by unlatching the side clips.
2. Locate the battery compartment at the bottom of the camera unit.
3. Insert 6 C-cell batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment securely.



Figure 3: The camera's battery compartment with the tray extended, ready for battery insertion.

2. SD Card Installation

An SD memory card (up to 32GB, not included) is required to store photos and videos.

1. With the camera casing open, locate the SD card slot on the side of the internal unit.
2. Insert the SD card into the slot with the label facing up, until it clicks into place.
3. To remove, press the card gently to release it.

3. Mounting the Camera

The camera comes with a mounting strap for easy installation on trees or posts. It also features a screw hole for alternative mounting solutions.

1. Thread the provided mounting strap through the slots on the back of the camera.
2. Secure the camera to a tree or post at the desired height and angle. Ensure the camera is stable and pointed towards the area of interest.
3. Alternatively, use the 10-32 threaded screw hole on the back for custom mounting brackets (screw and bracket not included).



Figure 4: Side view of the camera, highlighting the slots for the mounting strap.

Operating the Camera

The D55-IRXT offers multiple operational modes to suit various monitoring needs.

Setting Up Basic Operation

1. **Power On:** Slide the power switch to the "ON" position. The LCD display will illuminate.
2. **Initial Delay:** Upon powering on, there is a 30-second countdown delay before the camera becomes active, allowing you to leave the area without triggering the sensor.
3. **Accessing Menu:** Press the "MODE" button to cycle through settings menus. Use the arrow keys to navigate and "ENTER" to select.
4. **Setting Date and Time:** Navigate to the Date/Time setting and adjust using the arrow keys. Confirm with "ENTER".
5. **Camera ID:** Assign a unique ID to your camera if using multiple units.

Operational Modes

- **IR Triggered Game Camera:** This is the standard trail camera mode. The camera captures photos or videos when motion is detected by the PIR sensor.
    - **Picture Resolution:** Select from three available resolutions (e.g., 5MP, 3MP, 1MP). Higher resolution provides more detail but uses more storage.
    - **Video Resolution:** Choose from two video resolutions.
    - **Picture Delay:** Set the delay between triggered captures (15 seconds, 30 seconds, or 1-60 minutes).
    - **Fast Fire Continuous Shooting:** Enable this feature to capture up to 3 photos per second when triggered.
- **Hybrid Time-Lapse Plot Camera:** In this mode, the camera takes pictures at set time intervals (time-lapse) and also triggers on motion. This is useful for monitoring large areas or observing slow changes over time while still capturing specific animal activity.
- **Plot Camera by Day, Infrared Camera at Night:** This mode combines time-lapse during daylight hours with infrared motion-triggered capture at night. This optimizes battery life and storage by only using IR flash when necessary.

Refer to the on-screen menu and the detailed instructions in the full manual for specific settings within each mode.

Maintenance

Cleaning

Regular cleaning ensures optimal performance and longevity of your camera.

- Wipe the exterior of the camera with a soft, damp cloth. Avoid abrasive cleaners.
- Gently clean the camera lens and infrared flash window with a lens cleaning cloth to prevent smudges that could affect image quality.
- Ensure the battery compartment and SD card slot are free of dirt, moisture, or debris.

Battery Management

Monitor battery levels regularly. While the camera has a battery indicator, it may not always be perfectly accurate, especially as batteries near depletion. Replace all batteries simultaneously with fresh ones to ensure consistent power.

SD Card Management

Periodically retrieve and back up data from your SD card. Format the SD card in the camera periodically to maintain optimal performance and prevent data corruption. Note that formatting will erase all data on the card.

Troubleshooting

Problem	Possible Cause	Solution
Camera not powering on.	Incorrect battery installation; depleted batteries.	Check battery polarity. Replace all 6 C-cell batteries with fresh ones.
No pictures/videos captured.	SD card full or not inserted correctly; incorrect settings; PIR sensor obstructed.	Ensure SD card is properly inserted and has sufficient space. Check camera mode and delay settings. Clear any obstructions from the PIR sensor.
Blurry night photos.	Subject moving too fast; low battery power affecting flash.	Ensure subjects are within optimal night range (up to 50 ft). Replace batteries, as low power can reduce flash effectiveness.
"Card Reader Lock" error.	SD card write-protected; internal card reader issue.	Check the small lock switch on the side of the SD card and ensure it is in the unlocked position. Try a different, known-good SD card. If the issue persists, contact customer support.
Inaccurate battery indicator.	Common behavior with certain battery types or extreme temperatures.	Rely on actual camera performance (e.g., flash not working at night) rather than solely the indicator. Replace batteries proactively if performance degrades.

Specifications

Feature	Detail
Model Number	MRC20003-D55IR-RB
Effective Still Resolution	5 MP
Night Vision Range	Up to 50 Feet
Flash Memory Type	SD (up to 32GB)
Power Source	6 C-cell Batteries (not included)
Video Capture Format	MPEG-4
Light Source Type	Infrared
International Protection Rating	IP54 (Weather-resistant)
Item Package Dimensions	8.6 x 7.5 x 4.6 inches
Weight	1.35 Pounds (Package Weight)
Color	Camo

Feature	Detail
Connectivity Technology	Wireless (for data transfer, not for live feed)
Special Feature	Time-Lapse

Warranty and Support

Warranty Information

Moultrie products are typically covered by a limited warranty against defects in materials and workmanship. For specific warranty terms, duration, and conditions, please refer to the warranty card included with your product or visit the official Moultrie website. Keep your purchase receipt as proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting beyond this manual, or to inquire about repairs and replacement parts, please contact Moultrie Customer Service. Contact information can typically be found on the Moultrie website or on the product packaging.

Online Resources: Visit the official Moultrie website for FAQs, updated manuals, and support resources.
www.moultriefeeders.com

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