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Bushnell Bushnell Prime L20

Bushnell Prime L20 Low Glow Trail Camera Instruction Manual

Model: Bushnell Prime L20 (119930B)

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1. PRODUCT OVERVIEW

The Bushnell Prime L20 Low Glow Trail Camera is designed for effective wildlife monitoring, capturing high-quality images and videos. It features a 20MP image sensor, 720p HD video recording, and a long-range motion sensor. The camera utilizes Low Glow LEDs for discreet illumination, minimizing disturbance to wildlife while providing clear night vision up to 100 feet.



Figure 1: Front view of the Bushnell Prime L20 Low Glow Trail Camera, showing the lens, motion sensor, and infrared LEDs.

2. PACKAGE CONTENTS

Ensure all items are present before proceeding with setup:

- Bushnell Prime L20 Low Glow Trail Camera
- Mounting Strap
- Instruction Manual (this document)

Note: 6 AA batteries and an SD card (up to 32GB) are required and sold separately.

3. SETUP GUIDE

3.1 Battery Installation

1. Open the camera housing latch on the side.
2. Locate the battery compartment at the bottom of the camera.
3. Insert 6 new AA batteries (alkaline or lithium recommended) according to the polarity indicators

(+/-) inside the compartment.

4. Close the battery compartment securely.



Figure 2: The Bushnell Prime L20 camera with its side panel open, revealing the battery compartment loaded with AA batteries.

3.2 SD Card Installation

1. With the camera housing open, locate the SD card slot.
2. Insert a standard SD card (up to 32GB, Class 4 or higher recommended) into the slot with the metal contacts facing down. Push until it clicks into place.
3. To remove, push the SD card in again until it clicks, then release to eject.
4. It is recommended to format the SD card within the camera before first use and after transferring files. Refer to the 'Operation' section for formatting instructions.

3.3 Mounting the Camera

1. Select a suitable tree or post for mounting. The camera should be positioned at a height appropriate for the target wildlife, typically 3-6 feet off the ground.
2. Thread the provided mounting strap through the slots on the back of the camera.
3. Securely fasten the strap around the tree or post. Ensure the camera is stable and pointed in

the desired direction.

4. Adjust the camera angle as needed. Avoid aiming directly into the sun to prevent overexposure.



Figure 3: A person demonstrating the mounting of the Bushnell Prime L20 trail camera onto a tree using the included strap.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on, slide the power switch from OFF to ON. The camera will enter setup mode.
- To power off, slide the power switch to OFF.

4.2 Camera Modes and Settings

The camera typically offers different modes (Photo, Video, or Hybrid) and various customizable settings. Use the navigation buttons (usually UP, DOWN, OK, MENU) to navigate the menu on the internal display.

- **Mode Selection:** Choose between capturing still images (Photo), video clips (Video), or both (Hybrid).
- **Photo Resolution:** Set image resolution (e.g., 20MP). Higher resolution results in larger file sizes.

- **Video Resolution:** Set video resolution (e.g., 720p at 30 fps).
- **Trigger Speed:** The time it takes for the camera to capture an image after motion detection (0.4 seconds for this model).
- **Recovery Rate:** The delay before the camera can trigger again after capturing an image or video (1 second for this model).
- **Night Range:** The effective distance for night vision capture (up to 100 feet).
- **PIR Sensitivity:** Adjust the Passive Infrared sensor sensitivity to reduce false triggers from environmental factors like moving branches.
- **Date/Time Stamp:** Ensure the correct date and time are set for accurate record-keeping.
- **Format SD Card:** Access this option in the menu to erase all data on the SD card and prepare it for use. This is crucial for optimal performance.

4.3 Retrieving Images and Videos

1. Power off the camera.
2. Remove the SD card from its slot.
3. Insert the SD card into a computer's SD card reader or a compatible device.
4. Access the files on the SD card to view and transfer your captured images and videos.

5. MAINTENANCE

5.1 Cleaning

- Wipe the camera's exterior with a soft, damp cloth. Avoid abrasive cleaners.
- Gently clean the lens and PIR sensor window with a lens cleaning cloth to ensure clear images and proper motion detection.

5.2 Battery Replacement

Replace all 6 AA batteries when the battery indicator (if available) shows low power or when performance degrades. Always replace with a fresh set of batteries of the same type.

5.3 SD Card Management

Regularly format your SD card to prevent data corruption and ensure optimal camera performance. Back up important files before formatting.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not powering on	Incorrect battery installation, dead batteries	Check battery polarity, replace with fresh batteries.
No images/videos captured	SD card full or not formatted, incorrect settings, PIR sensor blocked	Format SD card, check camera mode and settings, ensure PIR sensor is clear.
Poor image/video quality	Dirty lens, low light, incorrect resolution settings	Clean lens, ensure adequate lighting, adjust resolution settings.

Problem	Possible Cause	Solution
Excessive false triggers	High PIR sensitivity, moving branches/foilage in detection zone	Reduce PIR sensitivity, clear obstructions from the camera's view.
Short battery life	Frequent triggers, cold weather, low-quality batteries	Use high-quality lithium batteries, reduce trigger frequency if possible, consider environmental factors.

7. SPECIFICATIONS

- **Model:** Bushnell Prime L20
- **Image Resolution:** 20 MP
- **Video Resolution:** 1080p at 30 fps
- **Trigger Speed:** 0.4 seconds
- **Recovery Rate:** 1 second
- **Night Vision Range:** Up to 100 feet (Low Glow 36 LED)
- **Power Source:** 6 AA Batteries (not included)
- **Memory:** SD Card, up to 32GB (not included)
- **Operating Temperature:** -5°F to 140°F (-20°C to 60°C)
- **Weather Resistance:** IP67 (Weatherproof)
- **Dimensions:** Approximately 9 x 7 x 3 inches
- **Weight:** Approximately 1 pound
- **Included Components:** Camera, Mounting Strap, Manual

8. WARRANTY AND SUPPORT

The Bushnell Prime L20 Trail Camera comes with a **Two-year limited manufacturer's warranty**. For warranty claims, technical support, or service inquiries, please refer to the official Bushnell website or contact their customer service department. Keep your proof of purchase for warranty validation. For additional resources and support, visit the official Bushnell website: www.bushnell.com

9. SAFETY INFORMATION

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Always handle electronic devices with care. Do not attempt to disassemble or modify the camera, as this may void the warranty and cause damage.