

## Browning BTC-PATRIOT-FHD

# Browning Trail Cameras Patriot FHD Dual Lens Instruction Manual

Model: BTC-Patriot-FHD

## 1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Browning Patriot Trail Camera. The Patriot is engineered with advanced dual-lens technology, offering superior image and video quality both day and night. Its military-grade invisible IR flash ensures discreet operation, making it an ideal tool for wildlife monitoring and security applications.

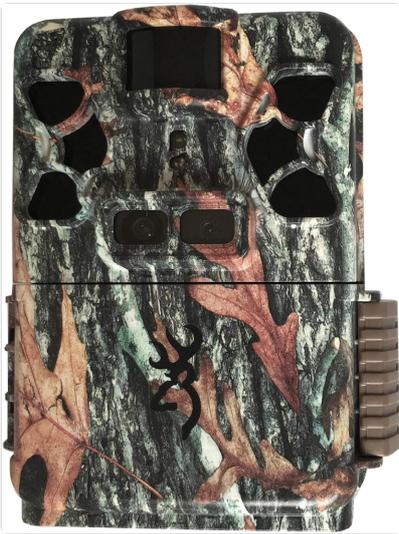
## 2. PRODUCT OVERVIEW

### 2.1 Key Features

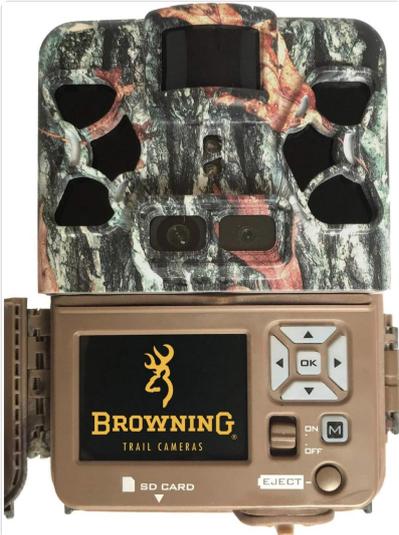
- **Dual Lens Technology:** Dedicated lens and sensor combinations for optimized daytime and nighttime capture.
- **Invisible Infrared Illumination:** Military-grade IR flash for undetectable night vision.
- **High-Definition Video:** Shoots 1080p Full HD videos at up to 60 frames per second.
- **Fast Performance:** Super-fast 0.15-second trigger speed and 0.35-second picture recovery time.
- **Integrated Viewing Screen:** Features a 2-inch color viewing screen for easy setup and playback.
- **Adjustable Night Illumination:** Customizable settings for optimal night capture.

### 2.2 Camera Components

Familiarize yourself with the main components of your Patriot Trail Camera:



**Figure 2.1:** Front view of the Browning Patriot Trail Camera, closed. The durable camouflage casing blends seamlessly with natural environments, featuring the dual lens system and IR emitters.



**Figure 2.2:** Front view of the camera with the casing open, exposing the 2-inch color viewing screen, navigation buttons (OK, arrows), and mode switch (ON/OFF/M).



**Figure 2.3:** Rear view of the camera, highlighting the integrated mounting bracket for secure attachment to trees or posts, and the latch for the battery compartment.

## 3. SETUP

### 3.1 Battery Installation

The Patriot Trail Camera operates on 8 AA batteries (not included). For optimal performance and battery life, it is recommended to use high-quality alkaline or lithium batteries.

1. Open the camera casing by unlatching the side clips.
2. Locate the battery compartment on the bottom section of the camera.
3. Insert 8 AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment securely.

### 3.2 SD Card Installation

A Class 10 SD card (up to 512 GB capacity) is required for storing photos and videos. The camera does not include an SD card.

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 forward until it clicks into place.
3. To remove, gently push the SD card in until it springs out.

### 3.3 Initial Power On and Basic Settings

After installing batteries and an SD card, you can power on the camera and configure basic settings.

1. Slide the power switch to the 'ON' position. The 2-inch color viewing screen will illuminate.
2. The camera will prompt you to set the date and time. Use the arrow buttons to navigate and the 'OK' button to confirm.
3. It is recommended to format the SD card upon first use or after transferring files to ensure optimal performance. Navigate to the 'Format SD' option in the menu and confirm.



**Figure 3.1:** Proper setup and placement are crucial for effective trail camera operation.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Navigating the Menu

Use the control panel and 2-inch screen to navigate the camera's settings:

- **Arrow Buttons:** Use the Up, Down, Left, and Right arrows to move through menu options.
- **OK Button:** Press 'OK' to select an option or confirm a setting.
- **M (Mode) Button:** Switches between Setup Mode, Photo Mode, and Video Mode.
- **ON/OFF Switch:** Powers the camera on or off.

### 4.2 Photo Mode

In Photo Mode, the camera captures still images. You can adjust settings such as photo resolution, picture delay, multi-shot, and time-lapse.

- **Resolution:** Select desired image quality. Higher resolution results in larger file sizes.
- **Picture Delay:** Sets the time interval before the camera takes the next picture after a trigger event.
- **Multi-Shot:** Captures multiple images per trigger event.

### 4.3 Video Mode

In Video Mode, the camera records high-definition video clips. The Patriot supports 1080p Full HD video at up to 60 frames per second.

- **Video Resolution:** Choose between available video resolutions (e.g., 1080p).
- **Video Length:** Set the duration of each video clip.
- **Audio Recording:** The camera records audio with video clips.

### 4.4 Night Illumination

The Patriot features military-grade invisible Infrared (IR) illumination for clear nighttime photos and videos. This technology ensures the camera remains undetectable to wildlife.

- **IR Flash Power:** Adjustable settings to control the intensity of the IR flash for different distances and environments.
- **Dual Lens System:** A dedicated lens and sensor system is optimized for low-light conditions, enhancing night image clarity.



**Figure 4.1:** Example of a high-quality daytime image captured by the Patriot camera.



**Figure 4.2:** Example of a clear nighttime image, demonstrating the effectiveness of the invisible IR illumination.

## 5. MAINTENANCE

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### 5.1 Cleaning

Regular cleaning ensures optimal performance and longevity of your camera.

- **Lens:** Gently wipe the camera lens with a soft, lint-free cloth. Avoid abrasive materials that could scratch the lens.
- **Casing:** Clean the camera's exterior with a damp cloth. Do not use harsh chemicals or solvents.

### 5.2 Battery Replacement

Replace batteries when the battery indicator on the screen shows low power or when the camera ceases to function. Always replace all 8 AA batteries simultaneously with new ones to ensure consistent power.

### 5.3 SD Card Management

To maintain optimal performance and prevent data corruption:

- **Formatting:** Format the SD card periodically, especially after transferring files to a computer, using the camera's internal format function.
- **Capacity:** The camera supports SD cards up to 512 GB. Ensure your card has sufficient space for your recording needs.

## 6. TROUBLESHOOTING

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### 6.1 Common Issues and Solutions

- **Camera Not Powering On:**
  - Check that batteries are inserted correctly with proper polarity.
  - Ensure batteries are fully charged or replace them with new ones.
  - Verify the ON/OFF switch is in the 'ON' position.
- **Poor Image/Video Quality:**
  - Clean the camera lens to remove any dirt or smudges.
  - Ensure the camera is placed within the effective range of the IR flash for night captures.
  - Check camera settings for appropriate resolution and illumination options.
- **SD Card Errors:**
  - Ensure the SD card is properly inserted.
  - Format the SD card using the camera's menu.
  - Try a different SD card to rule out card malfunction.
- **Camera Freezes When Reading Files:**
  - If the camera freezes when attempting to read files, try removing and reinserting the batteries to reset the device. This may indicate a software or card compatibility issue.

## 7. SPECIFICATIONS

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### 7.1 Technical Data

Feature	Specification
Model Number	BTC-PATRIOT-FHD
Video Resolution	1080p Full HD
Frame Rate	Up to 60 fps
Trigger Speed	0.15 seconds
Picture Recovery Time	0.35 seconds
Display Screen	2-inch Color Viewing Screen
Illumination Type	Invisible Infrared (IR)
Power Source	8 AA Batteries (not included)

Feature	Specification
SD Card Capacity	Up to 512 GB
Dimensions (L x W x H)	8.89 x 24.77 x 13.03 cm
Weight	50 g
Material	Metal

## 8. WARRANTY AND SUPPORT

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Browning Trail Cameras are designed for high performance and durability. For information regarding product warranty, please refer to the official Browning Trail Cameras website or contact their customer support directly. Keep your proof of purchase for any warranty claims.

For technical assistance or further inquiries, please visit the manufacturer's support page or consult authorized dealers.