Digitgarden C501

Digitgarden C501 Trail Camera User Manual

Model: C501

1. Introduction

Thank you for choosing the Digitgarden C501 Trail Camera. This camera is designed for wildlife monitoring, deer hunting, and security applications, offering high-resolution imaging and advanced features. This manual provides detailed instructions to help you set up, operate, and maintain your camera for optimal performance.

2. Product Overview

Key Features

- **4K 48MP Resolution:** Captures crisp, clear images and smooth H.264 1296P videos with sound.
- **Innovative Wi-Fi & Bluetooth Connection:** Features super low-power Wi-Fi and Bluetooth for easy operation via the 'TrailCam Mobile' app, allowing seamless preview and download without physical access.
- **Excellent Night Vision:** Equipped with enhanced 940nm infrared technology for stealthy night vision up to 100ft, preventing overexposure or over-dimming.
- **IP66 Waterproof:** Durable housing designed to withstand tough environments, preventing rain, dust, and drops.
- **0.1s Trigger Speed & 120° Wide Angle Lens:** Three highly sensitive PIR sensors detect movement within 0.1 seconds across a 120° detection angle, ensuring no fast-moving moments are missed.

Package Contents

The Digitgarden C501 Trail Camera package includes:

- Digitgarden C501 Trail Camera
- Antenna
- Instruction Manual
- Mounting Strap
- USB Cable
- 64GB Memory Card

- 8 x AA Alkaline Batteries

Camera Components



Figure 2.1: Digitgarden C501 Trail Camera with 64GB SD card, 8 AA batteries, and a smartphone displaying the app interface.



Figure 2.2: Visual representation of the 48MP ultra-clear image and 4K video capabilities, showing enhanced detail compared to lower resolutions.



Figure 2.3: The camera's 80ft night vision capability, enhanced by 48 infrared LEDs, capturing clear images in low-light conditions.



Figure 2.4: The IP66 waterproof design ensures the camera's durability against various weather conditions including ice, snow, rain, and dust.



Figure 2.5: The camera's rapid 0.1-second trigger time, designed to capture fast-moving subjects without delay.



Figure 2.6: The camera features built-in WiFi and Bluetooth for wireless connection to your smartphone, with an effective distance of 164 feet.

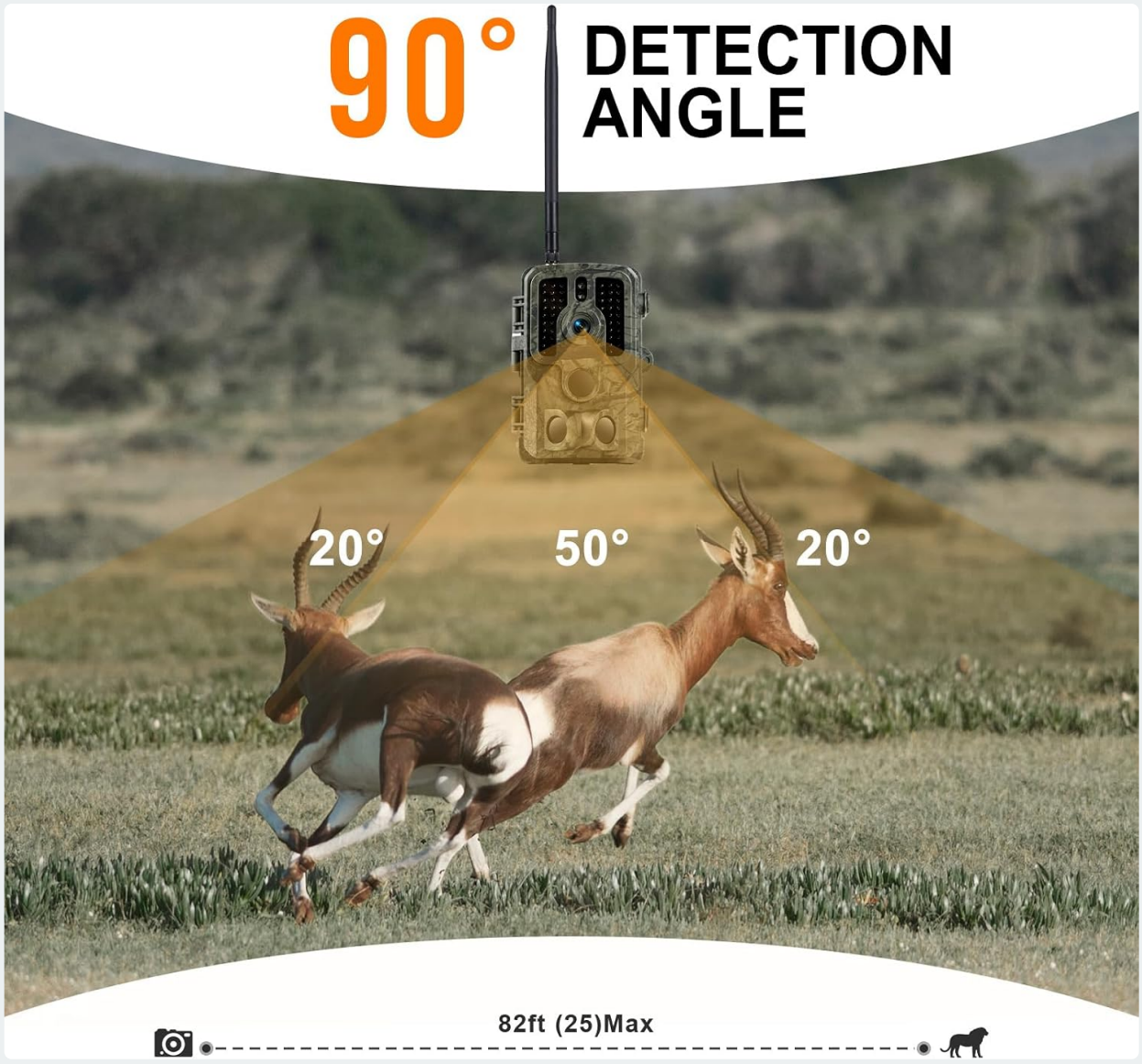


Figure 2.7: The camera's 90-degree detection angle, covering a wide area for motion detection up to 82 feet (25 meters).

3. Setup

3.1 Battery Installation

The camera requires 8 AA batteries for operation. For best performance and extended battery life (up to 8 months in standby), it is recommended to use high-quality alkaline or rechargeable lithium AA batteries.

1. Open the camera's latch on the side to access the battery compartment.
2. Insert 8 AA batteries according to the polarity indicators (+/-) inside the compartment.
3. Close the battery compartment securely.

3.2 Micro SD Card Installation

A 64GB Micro SD card is included. The camera supports Micro SD cards up to 128GB.

1. Locate the Micro SD card slot, typically near the battery compartment or on the side of the camera.
2. Insert the Micro SD card with the gold contacts facing down until it clicks into place.
3. To remove, gently push the card in until it springs out.

3.3 App Installation (TrailCam Mobile)

The 'TrailCam Mobile' app is essential for controlling the camera via Wi-Fi and Bluetooth.

1. Scan the QR code in the included instruction manual or search for 'TrailCam Mobile' in your smartphone's app store (iOS App Store or Google Play Store).
2. Download and install the app.
3. Follow the on-screen prompts to grant necessary permissions.

3.4 Mounting the Camera

The camera can be mounted using the provided strap or a tripod (not included).

1. Thread the mounting strap through the slots on the back of the camera.
2. Securely fasten the camera to a tree or pole at the desired height and angle. Ensure the camera is stable and not prone to movement from wind.
3. Alternatively, use the tripod screw mount on the bottom of the camera to attach it to a compatible tripod or mounting post.

4. Operating Instructions

4.1 Powering On/Off and Mode Selection

The camera typically has a switch for different modes:

- **OFF:** Powers off the camera.
- **TEST:** Allows you to access the menu, view captured media, and adjust settings. The PIR sensor is active in this mode for testing detection.
- **ON:** Activates the camera for automatic recording based on motion detection. The screen will turn off after a few seconds to conserve power.

4.2 Connecting via Wi-Fi and Bluetooth

The camera uses Bluetooth to initiate a Wi-Fi connection for faster data transfer.

1. Ensure the camera is in **TEST** mode or **ON** mode (some models allow Wi-Fi activation from ON).
2. Open the 'TrailCam Mobile' app on your smartphone.
3. Tap 'Connect Device' or similar option in the app. The app will use Bluetooth to find and connect to the camera, then automatically switch to Wi-Fi.
4. Once connected, you can view live feed, change settings, and download photos/videos.

4.3 Adjusting Settings

Settings can be adjusted directly on the camera in TEST mode or more conveniently via the 'TrailCam Mobile' app.

- **Photo/Video Mode:** Select whether the camera captures photos, videos, or both.
- **Resolution:** Set photo resolution (e.g., 48MP, 32MP) and video resolution (e.g., 4K, 1296P).
- **Trigger Interval:** Define the delay between consecutive captures after a trigger event.
- **PIR Sensitivity:** Adjust the sensitivity of the motion sensors. High for small animals, low for larger ones or to reduce false triggers. You can also turn off side PIRs to narrow the detection area.
- **Time Lapse:** Set the camera to capture images at fixed intervals regardless of motion.
- **Date/Time Stamp:** Enable or disable the date and time overlay on images/videos.

4.4 Viewing and Downloading Media

Media can be accessed via the app or by removing the SD card.

- **Via App:** Connect to the camera using the 'TrailCam Mobile' app. Navigate to the gallery or playback section to view thumbnails and download full-resolution files to your smartphone.
- **Via SD Card:** Power off the camera, remove the Micro SD card, and insert it into a computer's card reader. You can then access and transfer files like any other storage device.

5. Maintenance

5.1 Cleaning

- **Lens:** Gently wipe the camera lens with a soft, lint-free cloth. For stubborn dirt, use a lens cleaning solution.
- **PIR Sensors:** If the PIR lens is dirty, lightly pick away any dirt. Do not wipe vigorously as it may cause scratches. Minor scratches typically do not affect operation.
- **Housing:** Wipe the camera body with a damp cloth. Avoid harsh chemicals.

5.2 Battery Management

Regularly check battery levels, especially before deploying the camera for extended periods. Replace all batteries simultaneously to ensure consistent power supply.

5.3 Storage

When not in use, store the camera in a cool, dry place. Remove batteries if storing for a long duration to prevent leakage.

6. Troubleshooting

Problem	Possible Cause	Solution
Camera not powering on	Low or dead batteries; Incorrect battery polarity; Corroded battery contacts.	Replace all batteries with fresh ones. Ensure correct polarity. Clean battery contacts if corroded.
"No SIM card installed" or "SD card error"	SD card not inserted correctly; SD card corrupted or incompatible; Water damage to SD card slot.	Reinsert the SD card firmly. Try formatting the SD card in the camera's TEST mode menu. Test with a different, known-good SD card. Ensure camera is dry and sealed.
Camera not taking photos/videos	Incorrect mode (e.g., in TEST mode instead of ON); Full SD card; Low battery; PIR sensitivity too low; Object outside detection range.	Switch to ON mode. Delete old files or replace SD card. Replace batteries. Increase PIR sensitivity. Ensure target is within 120° detection angle and 82ft range.
Poor image/video quality at night	Object too far; Obstruction in front of IR LEDs; Lens dirty.	Ensure target is within 100ft night vision range. Clear any obstructions. Clean the lens.

Problem	Possible Cause	Solution
Wi-Fi/Bluetooth connection issues	Too far from camera; Bluetooth/Wi-Fi off on phone; App not updated.	Move closer to the camera (within 164ft). Ensure Bluetooth and Wi-Fi are enabled on your phone. Update the 'TrailCam Mobile' app. Restart both camera and phone.
Water ingress despite IP66 rating	Lid not properly latched; Seal damaged; Extreme weather beyond rating.	Ensure the lid is securely latched. Inspect the rubber seal for damage and ensure it's clean. While IP66 is robust, extreme prolonged submersion or high-pressure jets are not covered.

7. Specifications

Feature	Specification
Model Name	Bluetooth Trail Camera (C501)
Effective Still Resolution	48 MP
Video Capture Resolution	1296P (H.264), 4K
Trigger Speed	0.1 seconds
Night Vision Range	Up to 100ft (940nm IR LEDs)
Detection Angle	120 Degrees (PIR)
Connectivity	Bluetooth, Wi-Fi (App Control)
Power Source	8 x AA Batteries (external 12V 1A input available)
Max Flash Memory Supported	128 GB (Micro SD)
International Protection Rating	IP66
Dimensions (L x W x H)	8.6 x 3.9 x 2.3 inches
Item Weight	1.1 pounds (500 grams)
Operating Temperature	-4°F to 140°F (-20°C to 60°C)

8. Warranty and Support

Digitgarden is committed to providing high-quality optical products. For any product-related inquiries, technical support, or warranty claims, please refer to the contact information provided with your purchase documentation or visit the official Digitgarden website. We value your product experience and strive to ensure your satisfaction.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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