

## LANTOOCAM PR903CW, PR904-5K

# LANTOOCAM PR903CW-Solar Trail Camera & PR904-5K Game Camera Instruction Manual

Models: PR903CW, PR904-5K

## 1. INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your LANTOOCAM PR903CW-Solar Trail Camera and PR904-5K Game Camera. These cameras are designed for outdoor monitoring, wildlife observation, and security applications, featuring advanced imaging capabilities, night vision, and robust weather resistance.

Please read this manual thoroughly before using the camera to ensure optimal performance and longevity of the device.

## 2. PRODUCT FEATURES

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- **Dual Power System:** Equipped with a 5200mAh rechargeable battery and a top-mounted solar panel for extended operation. Supports expandable 8 AA batteries (not included) for continuous power, even during prolonged cloudy periods.
- **High-Resolution Imaging:**
  - PR903CW: Captures 60MP still images and 4K UHD videos with audio.
  - PR904-5K: Captures 60MP still images and 5K UHD videos with audio.
- **Advanced Night Vision:** Features 940nm invisible IR LEDs for clear footage in total darkness, with a night vision range of up to 65 feet (20 meters).
- **Wide-Angle Motion Detection:** 120° wide-angle motion-activated sensors with a 65ft detection range. Customizable detection zones help minimize false triggers.
- **Robust Weatherproof Design:** IP66 waterproof rating ensures reliable operation in extreme conditions, from -20°C to 60°C (-4°F to 140°F).
- **Built-in Wi-Fi & App Control:** Allows for remote control, live view, playback, download, and sharing of captured content via a dedicated mobile application.
- **Storage:** Supports up to 32GB SD card (card not included).

# LANTOOCAM SOLAR CAMERA



Image: Overview of LANTOOCAM Solar Camera highlighting key features like 4K video, solar power, Wi-Fi, night vision, IP66 waterproof, app control, 120° wide angle, motion activation, and 32GB SD card support.

## 3. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- LANTOOCAM Trail Camera (PR903CW or PR904-5K model)
- Mounting Strap
- USB Cable
- User Manual
- (Optional) Solar Panel (integrated or separate, depending on model)

*Note: AA batteries and SD card are not included and must be purchased separately.*

## 4. SETUP

### 4.1 Battery Installation

1. Open the camera's battery compartment.

2. Insert the 5200mAh rechargeable battery pack (if applicable) into its designated slot.
3. For extended runtime, insert 8 AA alkaline batteries (not included) into the battery tray, ensuring correct polarity.
4. Close the battery compartment securely to maintain the IP66 waterproof seal.



Image: LANTOOCAM Trail Camera showing the integrated solar panel and the internal compartment for 8 AA batteries, illustrating the dual power system.

# Perfect Power Supply Solution



**8\* Batteries**  
(This product does not include batteries)



The camera supports solar power using the solar panel (sold separately)(DC 6V interface)

Image: Demonstrates the two power options: 8 AA batteries inside the camera and external solar panel connection via a DC 6V interface.

## 4.2 SD Card Installation

1. Locate the SD card slot on the side or bottom of the camera.
2. Insert a Class 10 or higher SD card (up to 32GB recommended) into the slot until it clicks. Ensure the card is inserted in the correct orientation.
3. It is recommended to format the SD card using the camera's menu settings before first use.

## 4.3 Mounting the Camera

1. Use the provided mounting strap to secure the camera to a tree or pole. Ensure the camera is stable and pointed towards the desired monitoring area.
2. Position the camera at a height that allows for optimal detection and capture, typically 3-6 feet (1-2 meters) from the ground.
3. Ensure the solar panel (if integrated) is exposed to direct sunlight for efficient charging.

## 5. OPERATION

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### 5.1 Powering On/Off and Mode Selection

The camera typically has a switch for OFF, TEST, and ON modes. Refer to the camera's internal display for specific menu navigation.

- **OFF:** Powers down the camera.
- **TEST:** Allows access to the camera's menu, settings, and live view without recording. Use this mode for setup and configuration.
- **ON:** Activates the camera for automatic motion-triggered recording.



Image: The back panel of the camera showing the menu buttons, display, and the OFF-TEST-ON switch, along with basic instructions for use.

## 5.2 App Control and Wi-Fi Connectivity

The LANTOOCAM trail camera features built-in Wi-Fi for seamless connection to your smartphone via a dedicated app. This allows for remote control, viewing, and management of your camera.

1. Download the official LANTOOCAM app from your smartphone's app store.
2. Turn the camera to the TEST mode.
3. Enable Wi-Fi on the camera (usually through the menu or a dedicated button).
4. Connect your smartphone to the camera's Wi-Fi network (SSID and password typically displayed on the camera screen or in the manual).
5. Open the app to access features such as live preview, photo/video playback, downloading files, and

adjusting settings remotely.

# Smart Sharing Made Simple & Instant WiFi Connectivity

Capture & Share Moments in Seconds – Joy Multiplies!

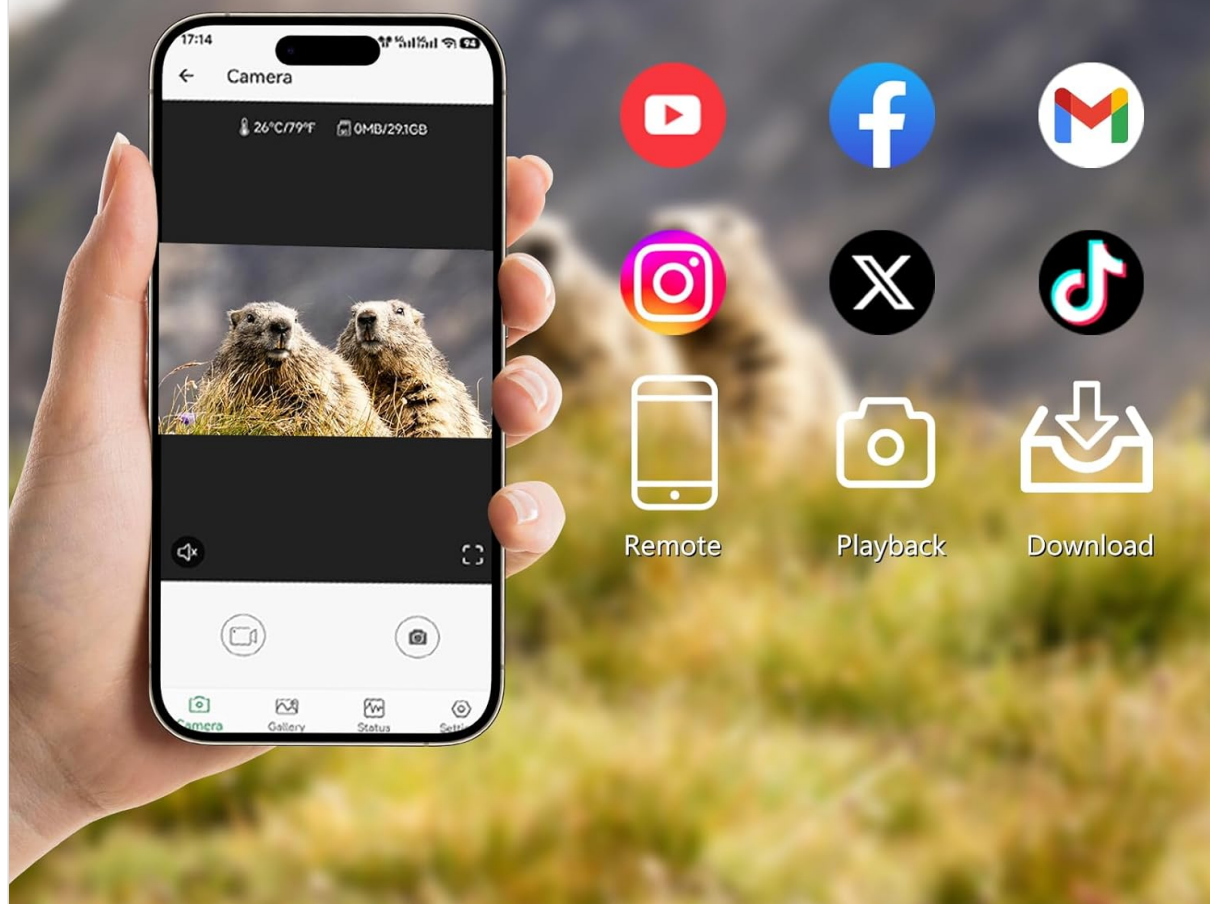


Image: A smartphone displaying the LANTOOCAM app interface, showing options for remote control, playback, and downloading media, along with social sharing icons.

## 5.3 Custom Detection Zones

To minimize false triggers from swaying branches or other non-target movements, you can set custom detection zones via the camera's app or internal menu.

1. Access the "Motion Detection" settings in the camera's menu or app.
2. Select "Detection Area" to define specific regions within the camera's view where motion will trigger recording.
3. Use the interface to draw or select areas. You can add new areas, clear existing ones, and save your configuration.
4. Adjust motion detection sensitivity as needed.



Image: A visual guide demonstrating how to set custom detection zones within the camera's interface, showing options to define and save specific areas for motion detection.

## 5.4 Night Vision


The camera automatically switches to night vision mode in low-light conditions, utilizing 940nm invisible infrared LEDs to capture clear black-and-white footage without disturbing wildlife.

- Ensure the camera's IR LEDs are not obstructed.
- The effective night vision range is up to 65 feet (20 meters).


# Super Night Vision

See clearly in the dark with infrared LEDs


25m night vision range



Infrared LEDs



Up to 25m



Clear night vision




Image: An elephant captured in a black-and-white image, demonstrating the camera's Super Night Vision capability with a 25m (82ft) range using infrared LEDs.

## 6. MAINTENANCE

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### 6.1 Cleaning

- Regularly clean the camera lens and solar panel with a soft, dry cloth to ensure clear images and efficient charging.
- Do not use abrasive cleaners or solvents.

### 6.2 Weather Protection

The camera is designed with an IP66 waterproof rating, making it resistant to dust and strong jets of water. It operates effectively in temperatures ranging from -20°C to 60°C (-4°F to 140°F).

- Ensure all ports and compartments are securely closed to maintain water resistance.
- While robust, avoid submerging the camera in water.

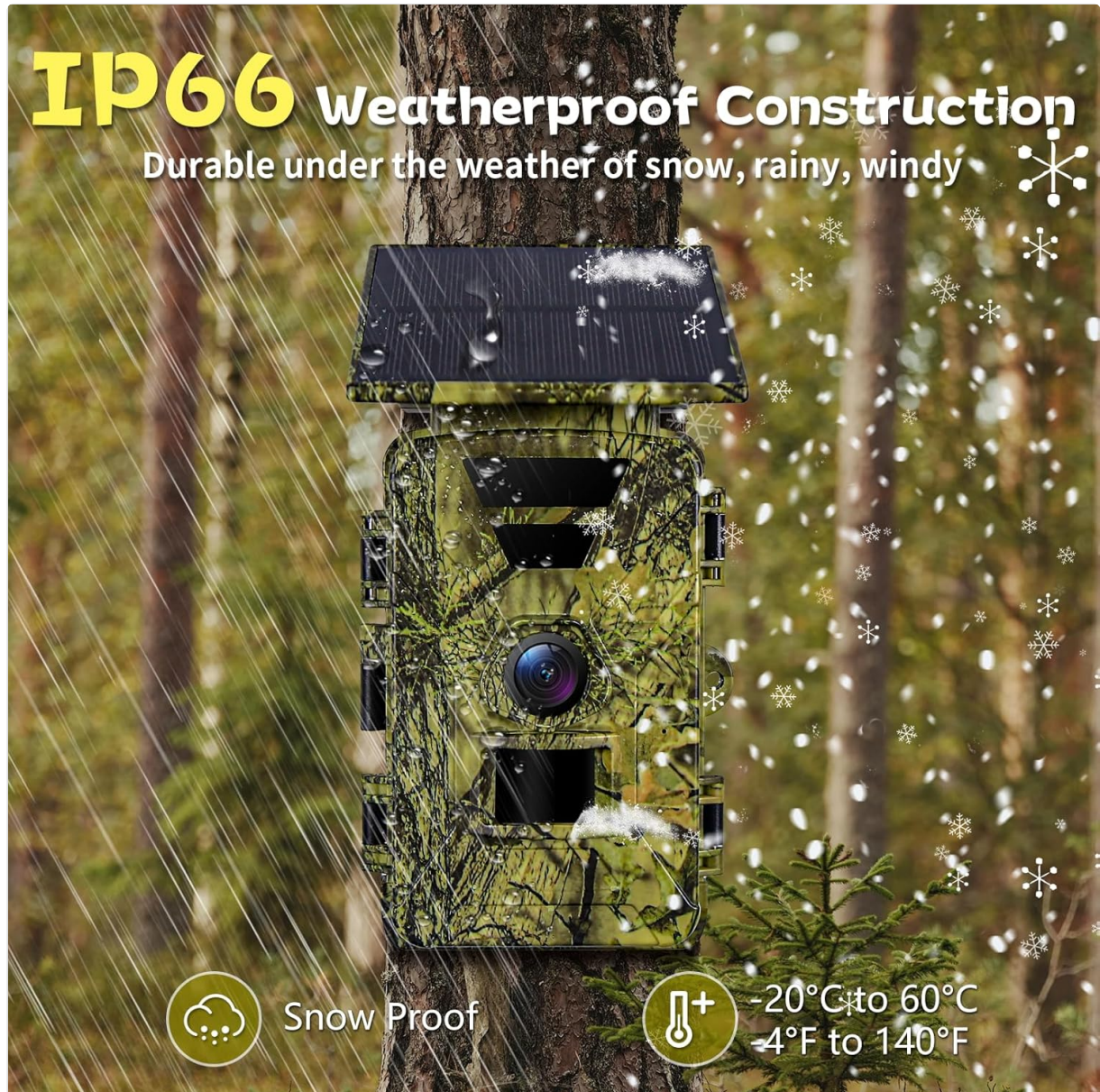


Image: The camera mounted on a tree in a snowy and rainy environment, illustrating its IP66 weatherproof construction and ability to withstand temperatures from -20°C to 60°C.

### 6.3 Battery Care

- If using AA batteries, replace them with new ones when the battery indicator shows low power.
- For the rechargeable battery, ensure the solar panel receives adequate sunlight or recharge it periodically via USB if deployed in consistently shaded areas.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not powering on	Low or depleted batteries; incorrect battery installation; power switch in OFF position.	Check battery levels and replace/recharge if necessary. Ensure AA batteries are inserted with correct polarity. Set power switch to TEST or ON.

Problem	Possible Cause	Solution
No images/videos captured	SD card full or not formatted; motion detection sensitivity too low; camera in OFF mode; detection zone not set correctly.	Format or replace SD card. Increase motion detection sensitivity. Ensure camera is in ON mode. Verify detection zones are active.
Poor night vision quality	Obstruction in front of IR LEDs; objects too far from camera; low battery.	Clear any obstructions. Ensure target is within 65ft range. Check battery levels.
Wi-Fi connection issues	Camera Wi-Fi not enabled; incorrect password; camera too far from smartphone.	Ensure camera is in TEST mode and Wi-Fi is enabled. Re-enter Wi-Fi password. Move closer to the camera.

## 8. SPECIFICATIONS

Feature	Specification
Model	PR903CW, PR904-5K
Image Resolution	Up to 60 Megapixels
Video Resolution	PR903CW: 4K UHD with audio PR904-5K: 5K UHD with audio
Power Supply	5200mAh rechargeable battery, integrated solar panel, supports 8x AA batteries (external)
Night Vision	940nm Invisible IR LEDs, up to 65ft (20m) range
Detection Angle	120° wide-angle PIR sensor
Detection Range	Up to 65ft (20m)
Waterproof Rating	IP66
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage	Supports SD card up to 32GB (Class 10 or higher recommended)
Connectivity	Built-in Wi-Fi, App Control

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official LANTOOCAM website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may contact LANTOOCAM customer service through their official channels.

