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› Solareye Trail Camera WiFi Solar Powered, 4K 64MP Game Camera User Manual

Solareye SV-TCKW

Solareye Trail Camera User Manual

Model: SV-TCKW

1. INTRODUCTION

The Solareye Trail Camera is a high-performance, solar-powered device designed for capturing wildlife images and videos in various outdoor environments. Featuring 4K video resolution, 64MP photo capability, Wi-Fi and Bluetooth connectivity, and robust IP66 waterproofing, this camera provides reliable monitoring with advanced motion detection and night vision. Its multiple power supply options ensure extended operation without frequent battery changes.

2. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- WiFi Wildlife Camera (1)
- Solar Panel (1)
- 32GB SD Card (1)
- USB Cable (1)
- User Manual (1)
- Installation Strap (2)
- Metal Bracket (2)
- Metal Base (2)
- Screws (8)
- Rubber Plug (8)



Farm



Garden



Stable



Wildlife Monitoring

Image: Solareye Trail Camera and its accessories, including the solar panel, on a wooden table.

3. PRODUCT OVERVIEW AND KEY FEATURES

The Solareye Trail Camera is designed for optimal performance in outdoor surveillance. Key features include:

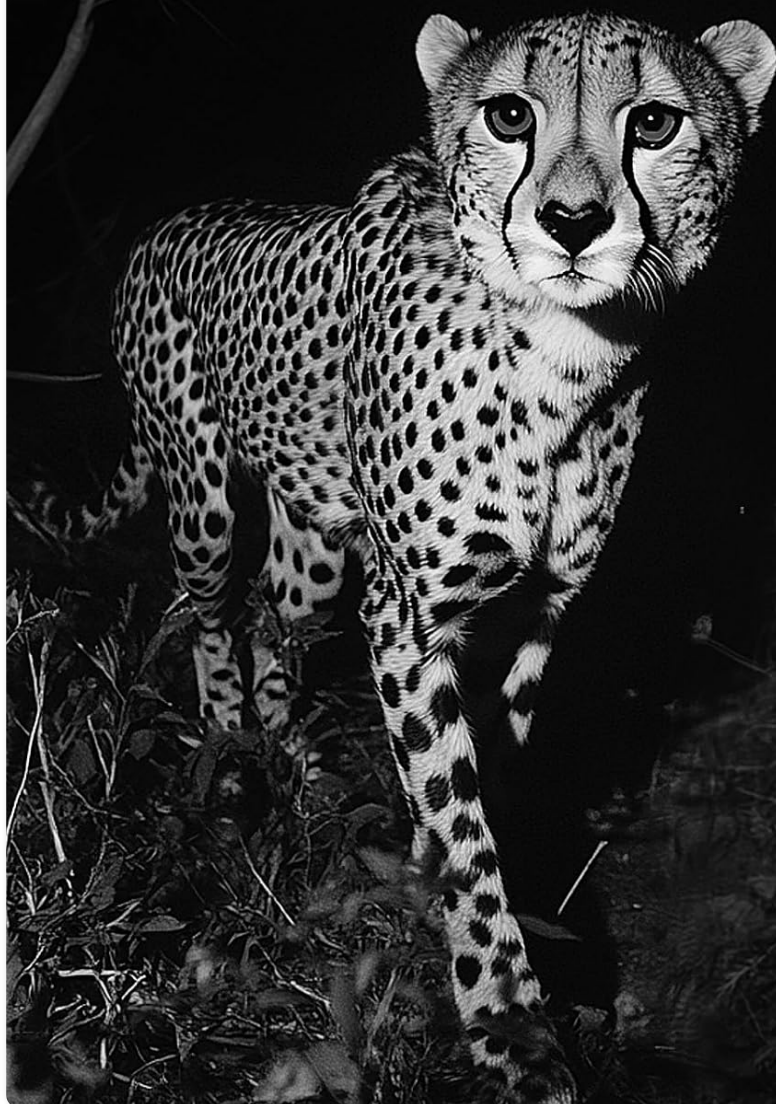
- **High-Resolution Imaging:** Captures 4K videos and 64MP still images, ensuring clear and detailed recordings.
- **Advanced Night Vision:** Equipped with 22*850nm low luminescence infrared LEDs for discreet night recording up to 65 feet without disturbing wildlife.
- **Rapid Trigger Speed:** Activates within 0.2 seconds of motion detection, minimizing missed events.
- **Wide Detection Angle:** Features 3 PIR sensors providing a 120° wide-angle detection range up to 25 meters (75 feet).
- **Flexible Power Options:** Integrated solar panel, built-in 5000mAh rechargeable battery, Type-C charging port, and support for 4 AA backup batteries (not included) and DC 6V/1.5A power socket (not included).
- **Wireless Connectivity:** Built-in Wi-Fi and Bluetooth for easy viewing, downloading, and settings adjustment via the "TrailCam Go" app (effective range up to 15M/49ft).
- **Durable Design:** IP66 waterproof rating allows operation in various weather conditions from -15°C to 60°C.



Image: The Solareye Trail Camera, showcasing its main unit, solar panel, and app connectivity.

Ultra-Clear Night Version

850nm IR LEDS ensures no exposure and less image noise



65 ft
|←→| 65FT/20M Distance



2.7K Video & 48MP Photo

Image: Demonstration of the camera's ultra-clear night vision, highlighting its effectiveness in low-light conditions.

Our 0.2 s
trigger speed



Others 0.5 s
trigger speed



Image: Visual comparison of the camera's fast 0.2-second trigger speed versus a slower trigger, showing improved capture of fast-moving subjects.

4. SETUP

Follow these steps for initial setup of your Solareye Trail Camera:

1. **Install AA Batteries (Optional Backup):** Open the camera casing and insert 4 AA batteries (not included) into the designated compartment. This provides backup power. The camera also has a built-in rechargeable battery.
2. **Insert SD Card:** Locate the SD card slot and insert the provided 32GB Micro SD card. Ensure it is inserted correctly until it clicks into place. The camera supports up to 256GB Micro SD cards.
3. **Set Camera Parameters:** Switch the camera to the **TEST** mode. The screen will turn on, allowing you to navigate the menu and set desired working modes (e.g., photo, video, photo+video), resolution, trigger interval, and other settings.

4. **Switch to Operating Mode:** After setting parameters, wait 10 seconds for the screen to turn off, then switch the camera to the **ON** mode. The camera will now enter motion detection mode and begin operation according to your settings.

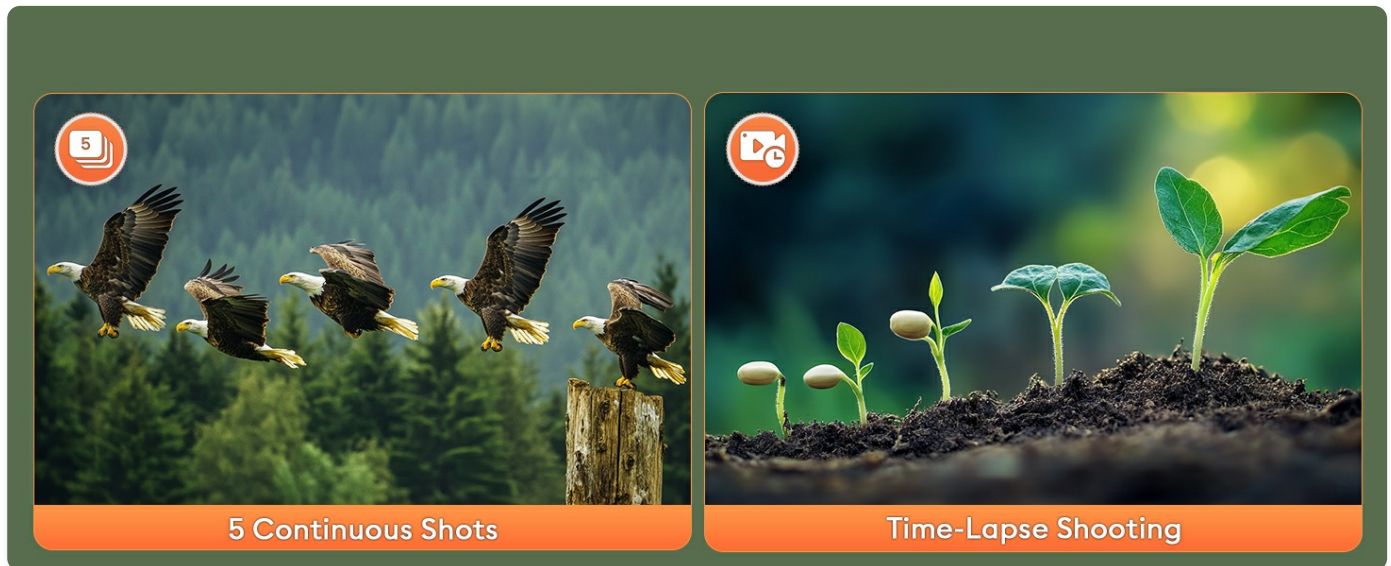


Image: Quick installation steps for the Solareye Trail Camera, including battery and SD card insertion, and parameter setup.

5. OPERATING INSTRUCTIONS

Understanding the camera's modes is crucial for effective operation:

- **OFF Mode:** The camera is turned off. Use this mode when installing batteries, SD card, or transporting the camera.
- **TEST Mode:** In this mode, the camera's LCD screen is active. You can view captured photos/videos, change settings, and test the PIR sensors. This mode is essential for initial setup and configuration.
- **ON Mode:** After setting up in TEST mode, switch to ON. The screen will turn off after 10 seconds, and the camera will enter its active motion detection and recording state. It will automatically capture images or videos based on your configured settings when motion is detected.

6. CONNECTIVITY (Wi-Fi AND BLUETOOTH)

The Solareye Trail Camera features integrated Wi-Fi and Bluetooth for convenient remote management via your smartphone.

1. **Download the App:** Search for and download the "TrailCam Go" app from your smartphone's app store.
2. **Enable Camera Wi-Fi/Bluetooth:** Ensure the camera is in TEST mode. Activate its built-in Wi-Fi and Bluetooth from the camera's menu.
3. **Connect via App:** Open the "TrailCam Go" app on your phone. Follow the in-app instructions to connect to the camera's Wi-Fi and Bluetooth. The effective connection range is approximately 15 meters (49 feet).
4. **Important Note:** The camera connects to your phone directly via its built-in Wi-Fi and Bluetooth. It does**NOT** support connecting to a home Wi-Fi router.

Once connected, you can:

- View live video feed from the camera.

- Browse and download captured images and videos to your phone.
- Change camera settings remotely without physically accessing the camera.

WiFi Bluetooth Connect & App Control

Support remote real-time viewing, wifi effective distance within 49ft

Note: Does not support connecting to router



Image: The camera's Wi-Fi and Bluetooth connectivity with the 'TrailCam Go' app on a smartphone.



Image: Step-by-step guide for connecting the camera to the 'TrailCam Go' application.

7. IMAGE AND VIDEO MANAGEMENT

You have several options for managing your captured media:

- **Via TrailCam Go App:** As described in Section 6, you can view and download photos/videos directly to your smartphone when connected via Wi-Fi/Bluetooth.
- **Via USB Cable:** Connect the camera to a computer using the provided Type-C USB cable to transfer files directly.
- **Via SD Card Reader:** Remove the Micro SD card from the camera and insert it into an SD card reader connected to your computer to access and transfer files.
- **Loop Recording:** The camera supports loop recording, which automatically overwrites the oldest files on the Micro SD card when storage space is full. This ensures continuous recording without manual deletion.

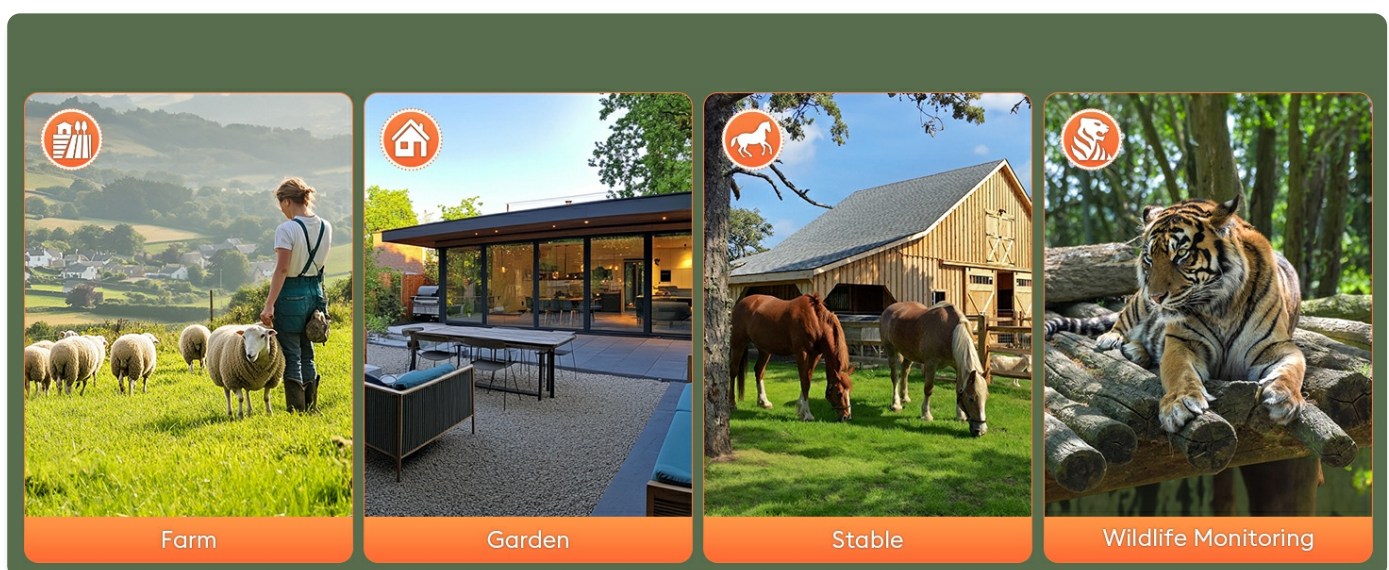


Image: Various methods for transferring photos and videos from the camera to other devices.

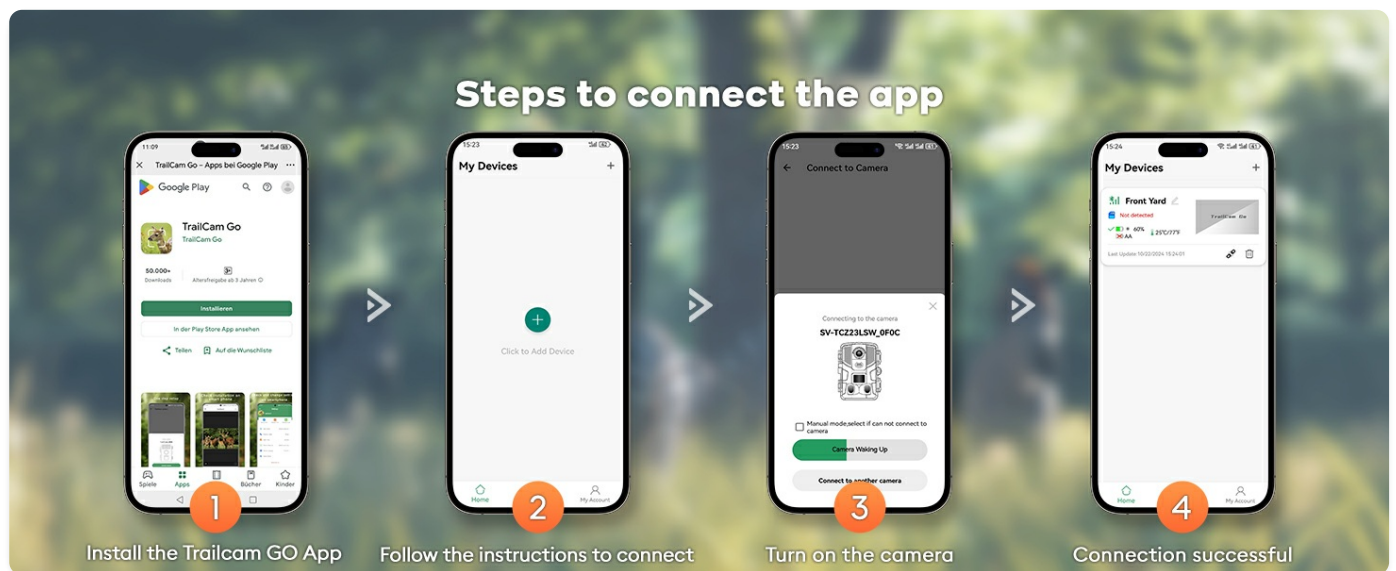


Image: Visual representation of the camera's loop recording functionality.

8. POWER MANAGEMENT

The Solareye Trail Camera offers multiple power options for continuous operation:

- **Solar Panel:** The included external solar panel charges the camera's built-in battery, providing an eco-friendly and continuous power source, especially useful for long-term deployment.
- **Built-in Rechargeable Battery:** A 5000mAh high-capacity lithium-ion battery is integrated into the camera.
- **Type-C Charging:** The camera can be charged via its Type-C port using the provided USB cable and a compatible power adapter (not included).
- **AA Battery Backup:** For additional backup or in low-light conditions, 4 AA batteries (not included) can be installed.
- **DC 6V/1.5A Power Socket:** An external DC power source (not included) can also be connected for continuous power.

Solar Powered Trail Camera

ECO-Friendly and Money-Saving



 Solar Powered



 Type-C Charging Mode



 AA Batteries Powered

Image: Overview of the camera's solar power and multiple charging options.



Image: Detailed illustration of the camera's versatile power supply methods.

9. MOUNTING AND PLACEMENT

Proper mounting and placement are crucial for optimal performance and durability:

- **Weather Resistance:** The camera has an IP66 waterproof rating, making it suitable for use in various outdoor conditions, including deserts and rainforests. It operates reliably in temperatures ranging from -15°C to 60°C.
- **Mounting Options:** Use the included installation straps to secure the camera to trees or poles. The metal brackets and screws can be used for wall mounting.
- **Optimal Placement:** Position the camera to ensure the 120° detection angle covers the desired monitoring area. Consider the sun's path for optimal solar panel charging.
- **Recommended Uses:** Ideal for wildlife reserves, farms, construction sites, barns, zoos, and general outdoor monitoring.

120° Wide Angle

Ensures no important scenes are missed

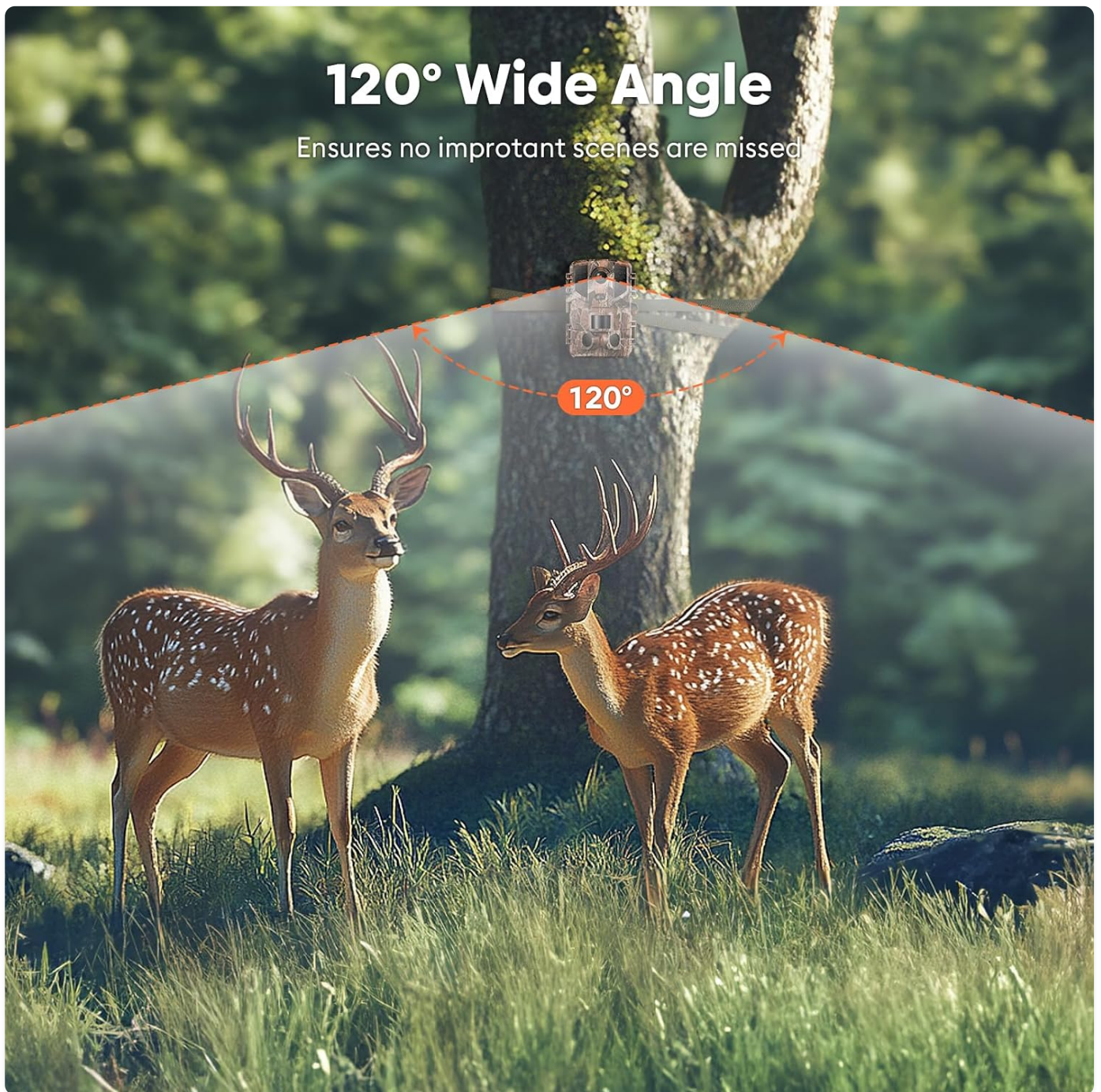


Image: The camera's 120-degree wide-angle detection in an outdoor setting.

Loop Recording

Automatically overwrite previously recorded files on the Micro SD card to free up storage space



Image: The camera's resilience in various weather conditions, including hot, rainy, and snowy environments.

Quick installation



Install 4 AA batteries



Insert SD card



Set camera parameters

Simple and convenient operation

OFF	Turn off camera
Test	The screen opens and you can set the working mode, parameters etc. and view videos / photos.
ON	Wait 10 seconds, the screen turns off and the camera switches to motion detection mode.
Note	When you use it for the first time, please switch to TEST and set camera parameters such as working time, operating mode, video/photo resolution etc. Then switch to ON, the camera switches to operating mode.

Image: Diverse application scenarios for the Solareye Trail Camera.

10. MAINTENANCE

To ensure the longevity and optimal performance of your Solareye Trail Camera, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the camera lens, PIR sensors, and solar panel with a soft, dry cloth to remove dust, dirt, or debris. Avoid using abrasive cleaners or solvents.
- **Battery Check:** Periodically check the charge level of the built-in battery via the app or camera screen. If using AA backup batteries, inspect them for corrosion and replace them as needed.
- **SD Card Management:** Format the SD card regularly (e.g., monthly) to maintain optimal performance and prevent data corruption. Back up important files before formatting.
- **Environmental Inspection:** Ensure the camera's mounting location remains secure and free from obstructions (e.g., growing branches) that might block the view or solar panel.

11. TROUBLESHOOTING

Here are some common issues and their solutions:

Problem	Possible Cause	Solution
Camera not turning on	Low battery; Incorrect battery installation; Damaged camera.	Charge the built-in battery via solar panel or Type-C cable. Ensure AA batteries (if used) are correctly inserted and charged. Contact support if issues persist.
No images/videos captured	SD card full or corrupted; Incorrect settings; PIR sensor blocked; No motion detected.	Format or replace SD card. Check camera settings (mode, sensitivity). Ensure PIR sensors are clear. Verify motion in detection area.
Poor night vision quality	IR LEDs blocked or dirty; Object too far; Low battery.	Clean IR LEDs. Ensure target is within 65ft range. Charge battery.
App connection issues	Out of range; Camera Wi-Fi/Bluetooth not enabled; App error.	Move closer to camera (within 15M/49ft). Ensure camera is in TEST mode and Wi-Fi/Bluetooth is active. Restart app and camera.
Solar panel not charging	Panel dirty or obstructed; Insufficient sunlight; Damaged cable.	Clean solar panel. Relocate to an area with more direct sunlight. Check cable connection.

12. SPECIFICATIONS

Detailed technical specifications for the Solareye Trail Camera:

Feature	Detail
Model Name	SV-TCKW
Video Capture Resolution	4K (Max), 2.7K (Effective)
Photo Resolution	64MP (Max)
Connectivity Technology	Wireless (Wi-Fi, Bluetooth)
Night Vision Range	Up to 65 Feet
Trigger Speed	0.2 seconds
Detection Angle	120° Wide Angle (3 PIR sensors)
Waterproof Rating	IP66
Operating Temperature	-15°C to 60°C

Feature	Detail
Power Source	Solar Powered, Battery Powered (Built-in Lithium Ion, 4x AA optional), Corded Electric (Type-C, DC 6V/1.5A)
Battery Type	Lithium Ion (included)
Storage	Supports up to 256GB Micro SD card (32GB included)
Item Dimensions (L x W x H)	13.8 x 10.3 x 8.1 Centimetres
Item Weight	920 g
Manufacturer	Solareye

13. WARRANTY AND SUPPORT

The Solareye Trail Camera comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards under normal use.

For technical support, warranty claims, or any inquiries regarding your product, please contact Solareye customer service through the official channels provided at the point of purchase or on the Solareye brand website. Please have your model number (SV-TCKW) and purchase details ready when contacting support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question