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> SuntekCam Mini Solar Trail Camera MINI800S Instruction Manual

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Model: MINI800S

INTRODUCTION

The SuntekCam Mini Solar Trail Camera MINI800S is a high-performance device designed for wildlife observation, hunting, and security monitoring. It features 50MP still image capture, 4K video recording, advanced night vision, and a rapid 0.3-second trigger speed. Its compact, waterproof design and multiple power options, including solar, ensure reliable operation in various outdoor conditions.

PACKAGE CONTENTS

Before setup, please verify that all items are present in your package:

- Trail Camera
- User Manual
- USB Cable
- Battery Charger
- Mounting Pallet
- Mounting Strap
- 32GB SD Card
- 18650 Battery (for solar power unit)

Package List



Image: Contents of the SuntekCam Mini Solar Trail Camera MINI800S package, including the camera, user manual, cables, mounting accessories, SD card, and 18650 battery.

SETUP

1. Power Supply Options

The camera supports three power modes: solar, AA batteries, and external charging. For solar operation, an 18650 battery must be installed inside the camera to store solar energy. For extended use without direct sunlight, 4 AA batteries can be used. An external round hole charger can also be used to charge the internal battery.



Image: Illustration of the three power supply methods: solar power (requires 18650 battery), round hole charger, and 4 AA batteries (not included).

2. Battery and SD Card Installation

Open the camera housing. Insert the 18650 battery into its designated slot if using solar power. Insert 4 AA batteries into the battery compartment, ensuring correct polarity. Insert the provided 32GB Micro SD card into the card slot until it clicks into place.



Image: Internal view of the camera showing the battery compartments and SD card slot for proper installation.

3. Power Switch Operation

The power switch has three positions: **OFF**, **TEST**, and **ON**.

- **OFF**: Powers down the camera.
- **TEST**: Activates the camera's display for configuration and settings adjustments. The screen will display "WELCOME" and allow you to navigate menus.
- **ON**: Initiates working mode. After a brief countdown on the screen, the camera will enter active monitoring, capturing photos or videos based on your settings. Do not switch directly to ON from OFF without configuring settings in TEST mode first.

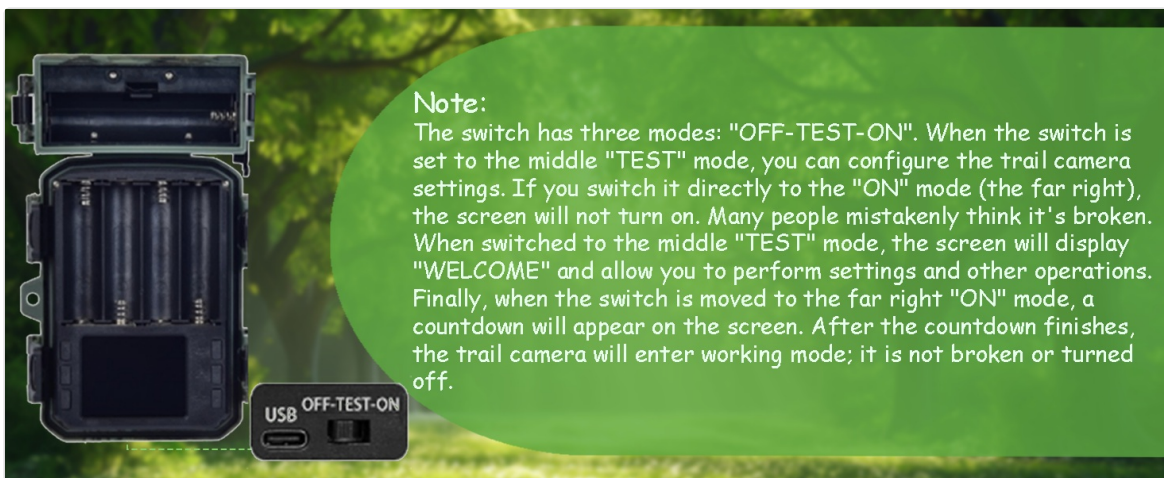


Image: Diagram illustrating the OFF-TEST-ON switch positions and explaining their functions for proper camera activation and configuration.

4. Mounting the Camera

Use the provided mounting pallet and strap to secure the camera to a tree or other stable surface. Ensure the camera is positioned to capture the desired area without obstruction. Adjust the angle for optimal coverage.

OPERATING INSTRUCTIONS

1. Setting Up Recording Modes

In **TEST** mode, use the camera's 2.4-inch color display and navigation buttons to access the menu. You can select from various modes:

- **Photo Mode:** Captures still images.
- **Video Mode:** Records video clips in 4K resolution with clear audio (H.265 format for efficient storage).
- **Photo + Video Mode:** Captures a still image followed by a video clip.
- **Time-Lapse Mode:** Captures images at set intervals.



Image: Demonstrates the high-quality 50MP picture and 4K video capabilities of the camera.



Image: Illustrates the camera's ability to record H.265 HD 4K videos with clear audio, optimizing storage space.

2. Motion Detection and Trigger Speed

The camera features a sensitive PIR sensor that detects movement up to 20 meters (65 ft) away. With an ultra-fast 0.3-second trigger speed, it swiftly activates to capture wildlife, minimizing missed moments.

H.265 HD 4K Videos with Clear Audio

Maximize storage/transmitted space while shooting HD video



Image: Depicts the camera's 0.3-second high trigger speed, capturing fast-moving subjects like a bird taking flight.

3. Night Vision

Equipped with invisible infrared LEDs, the camera automatically switches to night vision mode in low-light conditions. This allows for clear black-and-white footage and images in complete darkness without disturbing animals.

4. Reviewing Photos and Videos

You can review captured photos and videos directly on the camera's 2.4-inch color display while in **TEST** mode. For larger viewing or storage, remove the Micro SD card and connect it to a computer using a card reader.

5. Applications

The SuntekCam Mini Solar Trail Camera is versatile and suitable for various applications:

- Hunting and wildlife observation
- Farm monitoring
- Home security
- Construction site surveillance

Multi-application



Image: Shows various applications for the trail camera, including hunting, farm monitoring, wildlife observation, and home security.

MAINTENANCE

1. Weather Resistance

The camera features an IP65-rated housing, making it resistant to rain, snow, and dust. This ensures reliable performance in challenging outdoor environments.

WATERPROOF RATING

Waterproof and dustproof design ensures reliable performance in any condition

IP65

Image: Highlights the camera's IP65 waterproof and dustproof design, ensuring reliable performance in various weather conditions.

2. Cleaning

Periodically clean the camera lens and solar panel with a soft, dry cloth to ensure optimal performance. Avoid using abrasive cleaners or solvents.

3. Battery Care

If using AA batteries, ensure they are fresh and of good quality. For solar-powered operation, ensure the solar panel receives sufficient sunlight to maintain the internal 18650 battery's charge. If the camera will be stored for an extended period, remove all batteries.

TROUBLESHOOTING

Camera Not Turning On / Screen Blank

- Ensure batteries (AA and/or 18650) are correctly installed and charged.
- Verify the power switch is in the **TEST** position to access the display and settings. Switching

directly to **ON** will not activate the screen for user interaction.

Poor Battery Life

- Use high-quality, fresh AA batteries. Rechargeable NiMH AA cells are recommended.
- For solar power, ensure the solar panel is clean and receives adequate direct sunlight. The internal 18650 battery needs sufficient charge.
- Reduce the frequency of recordings or adjust PIR sensitivity if the camera is triggering excessively.

Cannot Transfer Files to Computer

- The primary method for data transfer is by removing the Micro SD card and using a card reader to connect it to your computer.
- While the camera has a USB port, it may not be recognized as a mass storage device by all computers for direct file transfer.

Missed Recordings

- Check PIR sensor sensitivity settings; increase if necessary.
- Ensure the camera's field of view is clear and not obstructed.
- Verify that the camera is in **ON** mode for active monitoring.

SPECIFICATIONS

Feature	Specification
Model Name	MINI800S
Image Resolution	50MP
Video Resolution	4K
Video Capture Format	MP4
Trigger Speed	0.3 seconds
Detection Range	Up to 20 meters (65 ft)
Special Feature	Night Vision
Waterproof Rating	IP65
Power Source	Solar Powered, AA Batteries (4), External Charging
Display	2.4-inch color display
Mount Type	Tree Mount

Feature	Specification
Item Dimensions	5.9 x 3.9 x 7.8 inches

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the specific warranty card included with your product or contact SuntekCam customer service directly. Keep your purchase receipt for any warranty claims.

Manufacturer: SUNTEKCAM