

SOLIOM SH501-4

SOLIOM 5MP Wireless Outdoor Security Camera System (Model SH501-4) User Manual

Model: SH501-4

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SOLIOM 5MP Wireless Outdoor Security Camera System. This system offers advanced features such as 5MP Ultra HD video, 3K color night vision, 360° auto human motion tracking, and local storage without subscription fees. The cameras are solar-powered and support dual-band 2.4G and 5G Wi-Fi for stable connectivity.

2. WHAT'S IN THE BOX

- SH501 Camera (x2)
- Soliom Base Station
- Power Adapter
- Solar Panel (x2)
- Ethernet Cable
- USB Cable
- User Guide
- Fitting Bags (Mounting Hardware)

3. SETUP GUIDE

3.1 Initial Charging

Before installation, fully charge the cameras using the provided USB cable. This ensures optimal performance from the start.

3.2 Soliom Base Station Connection

1. Connect the Soliom Base Station to your router using the included Ethernet cable.
2. Plug in the power adapter to the Soliom Base Station and power it on.
3. The cameras are pre-paired with the base station, requiring no additional pairing steps.

3.3 Camera Installation

The cameras and solar panels are designed for easy installation. The solar panel can be screwed directly into the camera mount or mounted separately using the 10 ft cable for optimal sunlight exposure.

Easy Installation

Solar powered • App control • One-tap management



Image: Soliom camera and solar panel installation options, showing direct mount and separate mount with a 10ft cable.

IP65 Weather Resistance

No matter the wind, rain, or snow, the camera can still work perfectly.

30°F  140°F



Image: Detailed view of Soliom camera installation, highlighting the 10ft cable for flexible solar panel positioning to maximize sunlight.

3.4 App Download and Configuration

Download the Soliom Home app from your device's app store. Follow the in-app instructions to complete the setup and customize your camera settings.

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Video: An official Soliom video demonstrating the setup process for the 5MP Outdoor Security Cameras with the Homebase, including initial connections and app integration.

4. OPERATING INSTRUCTIONS

4.1 Video Quality and Zoom

The cameras provide 5MP Ultra HD video. Utilize the unique Magnifier Zoom feature by tapping the screen in the app to enlarge specific areas up to 6x and track magnified details.

Clearer Details Day and Night

5MP Ultra HD • 3K Color Night Vision



Image: Comparison of day and night vision, demonstrating the clarity of 5MP Ultra HD and 3K Color Night Vision, with a 6x zoom feature highlighted.

See Clearer Details

25 Feet with 6 xZoom

Magnifier Zoom



Image: A smartphone screen displaying the Soliom camera feed, demonstrating the Magnifier Zoom feature to clearly view a license plate from 25 feet away.

Manage all cameras with just one tap

- ⌘ Leaving home
- ↶ Returning home
- ✕ All turn off

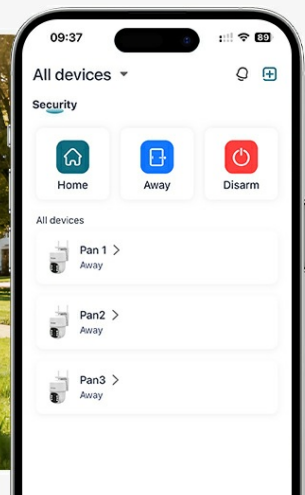


Image: Illustration of Soliom's Magnifier Zoom feature, allowing users to tap and magnify specific areas on the screen for more detailed viewing, with automatic tracking of the magnified area.

4.2 Motion Tracking

The cameras feature 360° auto motion tracking, panning, tilting, and rotating to follow movement. With multiple cameras connected to one Soliom Base, the system can track motion seamlessly across different areas.

No Subscription No Monthly Fee

Expandable Local Storage Up to 128GB for up to one year loop recording







Locally Encrypted
Storage



Free Built-in
32G Memory



60-day Loop
storage

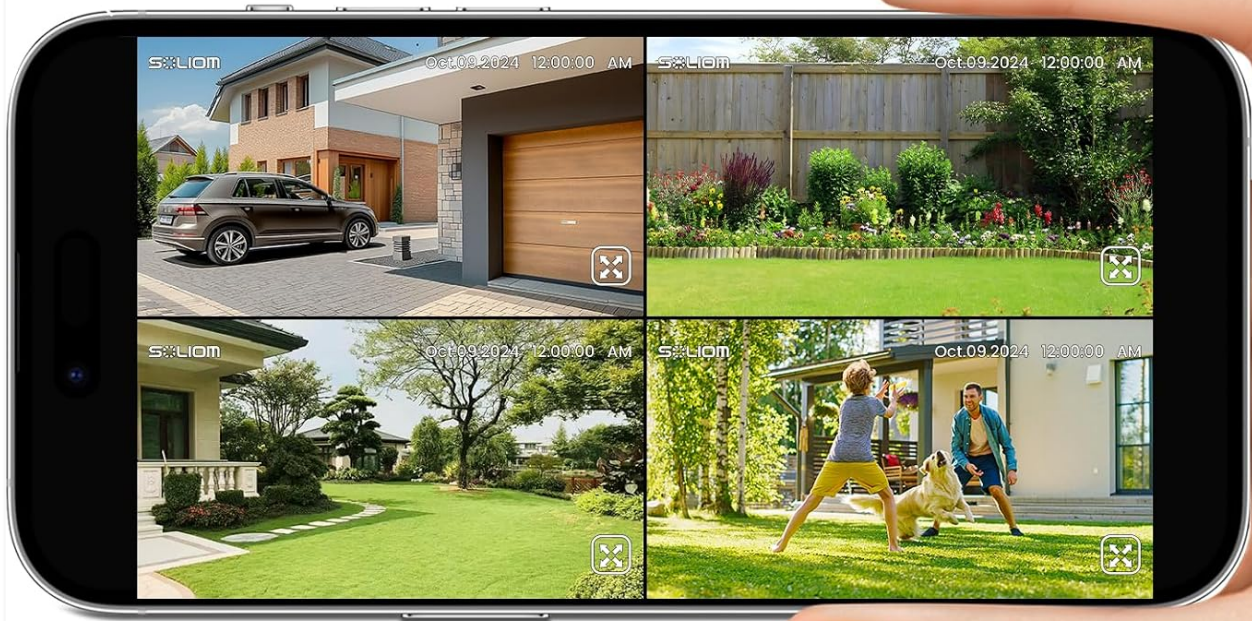
Image: Depicts the automatic 360° multi-camera tracking feature, showing how the cameras follow movement and return to a preset position after an event, with examples from different home areas.

All-Angle Home Surveillance

Four split screens for easy watching



Up to 4-cam Complete Security



4 Cameras

Image: A child and adult playing soccer in a yard, with a Soliom camera in the foreground demonstrating its 360° auto-tracking capability, indicated by directional arrows.

More Accurate Motion Alarm

Soliom combines hardware, Cloud technology, and AI for motion analysis, achieving a 200% increase in alarm accuracy



Image: Illustrates the automatic 360° motion tracking feature, showing cameras following movement across various outdoor locations like a porch, eave, gate, and wall, with app interface examples.

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Video: An official Soliom video demonstrating the panorama view and human tracking capabilities, showing how the camera adjusts to follow subjects within a defined zone.

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Video: An official Soliom video putting the 360° auto-tracking feature to the test, showcasing its ability to follow movement effectively.

4.3 Local Storage and Security

All recordings are securely encrypted and stored locally on the Soliom Base's included 32GB storage, expandable up to 128GB. This provides up to 2 months of loop recording without subscription fees.



Image: The Soliom Base Station, emphasizing its no-subscription, no-monthly-fee policy with expandable local storage up to 128GB for up to one year of loop recording.

4.4 Dual-Band Wi-Fi Connectivity

The cameras automatically connect to either 2.4G or 5G Wi-Fi bands for stable, long-range coverage, ensuring reliable data transmission.

Support Dual-Band Routers

Long Distance & Stable Signal Coverage



Image: Illustrates the dual-band 2.4G and 5G Wi-Fi support, showing how the Soliom cameras and base station provide stable and fast signal coverage around a home.

4.5 Two-Way Talk

Engage in clear two-way communication with visitors or deter intruders using the built-in microphone and speaker, effective up to 20 feet.

Explore the panorama view

You can select the desired location by tapping on the panoramic bar. After viewing the areas, it will return to its default position.

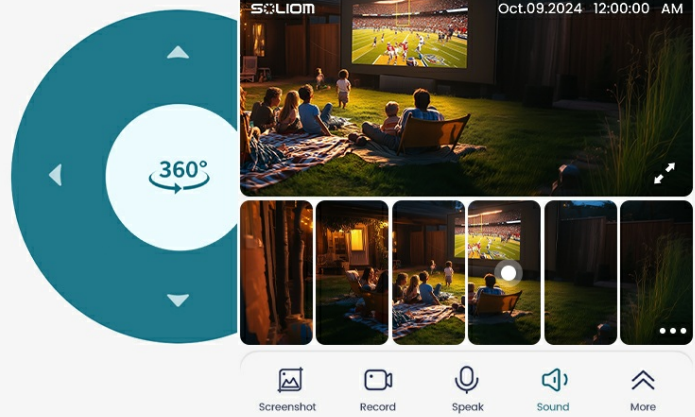


Image: Demonstrates the clear two-way talk feature of the Soliom camera, showing a user communicating with a child and dog in the yard via the app.

4.6 Night Vision and Spotlights

Benefit from 3K color night vision and integrated 450-lumen LED spotlights for enhanced visibility and security during nighttime hours.

Experience unparalleled 5MP clarity with 6x digital zoom



Image: A woman walking her dog at night, illuminated by the Soliom camera's 6 pieces of 450 lumens LEDs, highlighting improved visibility and safety.

4.7 Smart Alerts and Siren

The system provides multiple smart alerts, including instant notifications, a 120dBA siren, and spotlights with 6 LEDs to deter potential threats.

Protects with multiple smart alerts

-  Siren with 120dBA
-  Spotlights with 6 LEDS
-  Instant notifications



Image: A person in a balaclava attempting to approach a house, with a Soliom camera activating a red alert and spotlight, illustrating the system's smart alert capabilities including a siren and instant notifications.

4.8 App Management Features

- **One-Tap Management:** Easily switch between Home, Away, and Disarm modes for all cameras.
- **Panorama View:** Tap on the panoramic bar to quickly move the camera to a desired location.
- **Customizable Security Zones:** Define up to four detection zones to reduce unwanted alarms.
- **Alarm Scheduling:** Set specific alarm times to fit your daily schedule.
- **Footage Preview:** Review a full day's footage with a single tap and manage recordings.

Customize the Security Zone

Let's monitor only the specific area you want to reduce unwanted alarms and ensure peace of mind
Add up to four detection zones



Image: A family leaving their home, with a smartphone screen showing the Soliom app's security settings, illustrating how to manage all cameras with one tap for 'Home', 'Away', or 'Disarm' modes.



Soliom's New Feature: **Magnifier Zoom**

Simply tap on the screen to magnify specific areas and view more detail

The magnified area is automatically tracked until it leaves the screen



Image: A circular control interface for the Soliom camera's panorama view, allowing users to tap on a panoramic bar to select a desired location, with the camera returning to its default position after viewing.



Set alarm times to fit your schedule

You can set your alarm time to whatever works best for you to avoid unwanted notifications

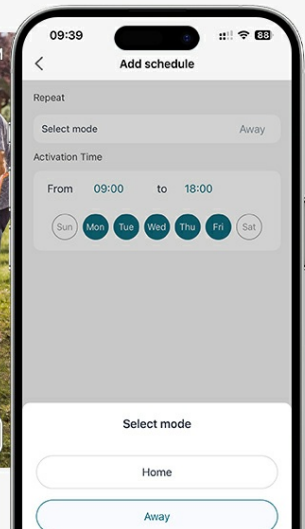


Image: An overhead view of a house and driveway, with colored overlays indicating customizable security zones within the Soliom app, designed to reduce false alarms by monitoring specific areas.

Viewing Distance and Coverage Comparison

1080P 10ft≈Area: 100 sq.ft
Soliom 5MP 24ft≈Area:640 sq.ft

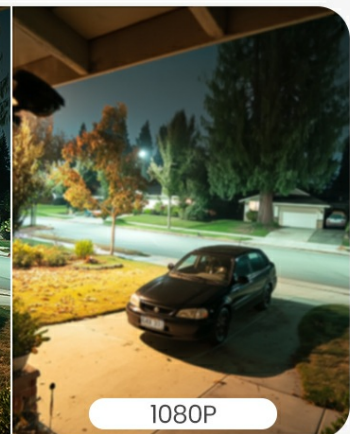


Image: A family enjoying a barbecue, with a smartphone screen showing the Soliom app's alarm scheduling interface, allowing users to set specific times for alarms to avoid unwanted notifications.



5MP Solar Security Camera Set Works with voice assistants



Image: A split image showing a person playing with a dog and a smartphone displaying the Soliom app's interface for previewing a full day's footage, allowing users to view, download, or delete recordings.

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Video: An official Soliom video providing an overview of the 5MP Soliom Home Camera Series SH502, highlighting its key features and functionalities.

5. MAINTENANCE

5.1 Solar Panel Efficiency

Ensure the solar panels are placed in a location that receives direct sunlight for several hours daily. The high-efficiency charging circuit helps maintain power even on cloudy days.

Soliom 5MP Outdoor Security Camera 4-Cam Kit

Delivers efficient charging with minimal power loss, even on cloudy or rainy days



Image: Illustrates the optimized power management of the Soliom 5MP Outdoor Security Camera, showing how it delivers efficient charging with minimal power loss, even in less ideal weather conditions.

5.2 Weather Resistance

The cameras are IP65 weather-resistant, designed to operate effectively in temperatures ranging from 30°F to 140°F, enduring various weather conditions like wind, rain, and snow.

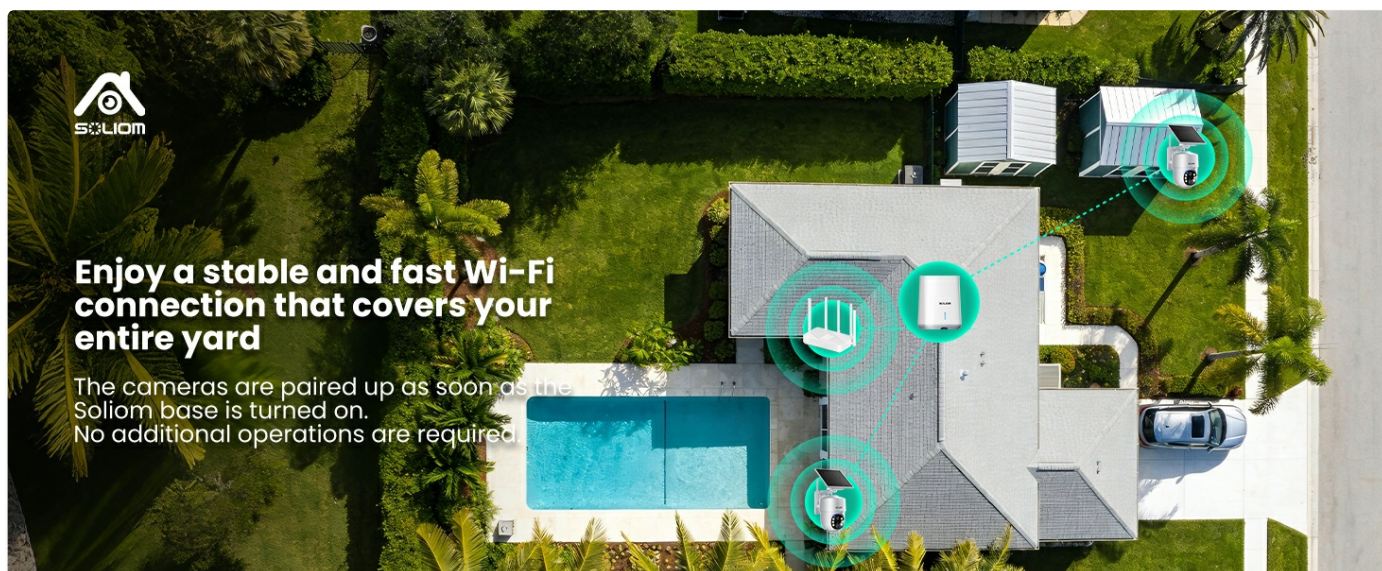


Image: Three panels showing the Soliom camera with solar panel in different weather conditions (rain, sun, snow), emphasizing its IP65 weather resistance and ability to function perfectly from 30°F to 140°F.

5.3 Cleaning

Periodically clean the camera lens and solar panel with a soft, damp cloth to ensure clear image quality and efficient solar charging. Avoid abrasive cleaners.

6. TROUBLESHOOTING

- **No Power/Charging:** Ensure solar panels are clean and positioned for maximum sunlight. Verify all cable connections are secure.
- **No Video Feed:** Check Wi-Fi connectivity of the Soliom Base and ensure it's connected to your router. Confirm cameras are powered on and within range.
- **Poor Video Quality:** Clean the camera lens. Ensure there are no obstructions. Check your Wi-Fi signal strength in the camera's location.
- **Motion Detection Issues:** Adjust sensitivity settings in the app. Ensure detection zones are correctly configured.
- **App Connectivity Problems:** Ensure your smartphone has a stable internet connection. Restart the app or your phone.
- **Base Station Offline:** Verify the Ethernet cable is securely connected to both the base and router, and the base is powered on.

7. SPECIFICATIONS

Feature	Detail
Model Name	Solar Security cameras Kit
Model Number	SH501-4
Connectivity Technology	Wireless (2.4G & 5G Wi-Fi), Ethernet (Base Station)
Video Capture Resolution	5MP Ultra HD

Night Vision	3K Color Night Vision, 19 feet range, 6 IR LEDs
Special Features	360° Auto Multi-Cameras Tracking, Magnifier Zoom, Built-In Light, Encrypted Local Recording, No Subscription
Storage	32GB Micro Card (included), expandable up to 128GB
Power Source	Solar Powered (3.7V, 18.5W)
Weather Resistance	IP65 Waterproof
Operating Temperature	30°F to 140°F
Dimensions	3.9 x 4.5 x 5.3 inches
Control Method	App (Android compatible)
Alert Type	Audio and Motion (120dBA Siren, Spotlights)

8. WARRANTY AND SUPPORT

SOLIOM offers a **12-Month Free Replacement** for your security camera system. For any technical assistance, troubleshooting, or warranty claims, please contact SOLIOM customer support through their official website or the contact information provided in the product packaging.



Image: A banner highlighting SOLIOM's commitment to customer satisfaction, mentioning 12-Month Free Replacement and no monthly fees or subscription required.

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