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> CAMCAMP SC43XB-2P Solar Security Camera System with 10-inch NVR Monitor User Manual

Camcamp SC43AC

CAMCAMP SC43XB-2P Solar Security Camera System User Manual

Model: SC43XB-2P

1. INTRODUCTION

Thank you for choosing the CAMCAMP SC43XB-2P Solar Security Camera System. This system provides comprehensive outdoor surveillance with wireless cameras, a 10-inch NVR monitor, and solar power capabilities. This manual will guide you through the installation, setup, operation, and maintenance of your security system to ensure optimal performance and longevity.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 2x PTZ Wireless Solar Security Cameras Outdoor
- 1x 10.1-inch 10CH NVR Monitor (Built-in 500 GB HDD)
- 2x 4W Solar Panel (with Screw Pack)
- 2x 3M Type-C USB Charge Cable for Solar Panel
- 1x DC12V 2A Charger for 10.1-inch NVR Screen
- Mounting Screws and Anchors
- User Manual

3. PRODUCT OVERVIEW

3.1 NVR Monitor

The 10.1-inch NVR monitor serves as the central hub for your security system. It features a built-in 500GB HDD for local storage, eliminating the need for monthly subscription fees. The monitor supports up to 10 camera channels and includes an HDMI output for connecting to a larger display.

PIR Motion Detection



Siren Alarm



Spotlight Alarm



Detection Zone Setup



App Push



Image: The 10.1-inch NVR monitor displaying live feeds from multiple cameras. This monitor is the central control unit for the security system.

3.2 PTZ Wireless Solar Cameras

The included cameras are 100% wireless, powered by rechargeable batteries and supplemental solar panels. They offer 4MP (2K) resolution, 360° pan and tilt functionality, color night vision, two-way audio, and are IP66 waterproof for outdoor use.



No WiFi Needed
Auto Paired, Plug & Play(Locally)
100% Wireless PTZ Security Camera



App Remote Access
NVR screen plugs into the Router first

Image: A CAMCAMP PTZ wireless solar security camera mounted with its solar panel, illustrating its wire-free design.



Image: A diagram illustrating the 340-degree pan and 90-degree tilt capabilities of the camera, providing full angle coverage.



Image: The camera connected to a 4W solar panel, highlighting its solar-powered and built-in 6000mAh rechargeable battery for continuous operation.

4. INSTALLATION

Before installation, ensure the camera batteries are fully charged using the provided USB-C cable. The solar panels will maintain the charge after installation.

4.1 Camera and Solar Panel Mounting

1. **Choose a Location:** Select a location for each camera that provides the desired viewing angle and is within wireless range of the NVR monitor. Ensure the solar panel receives adequate direct sunlight throughout the day.
2. **Mount the Camera:** Use the provided mounting bracket and screws to securely attach the camera to a vertical

surface. The camera offers 340° pan and 90° tilt for flexible positioning.

3. **Mount the Solar Panel:** Attach the solar panel to a surface where it can receive maximum sunlight. Connect the solar panel to the camera using the 3M Type-C USB charge cable.

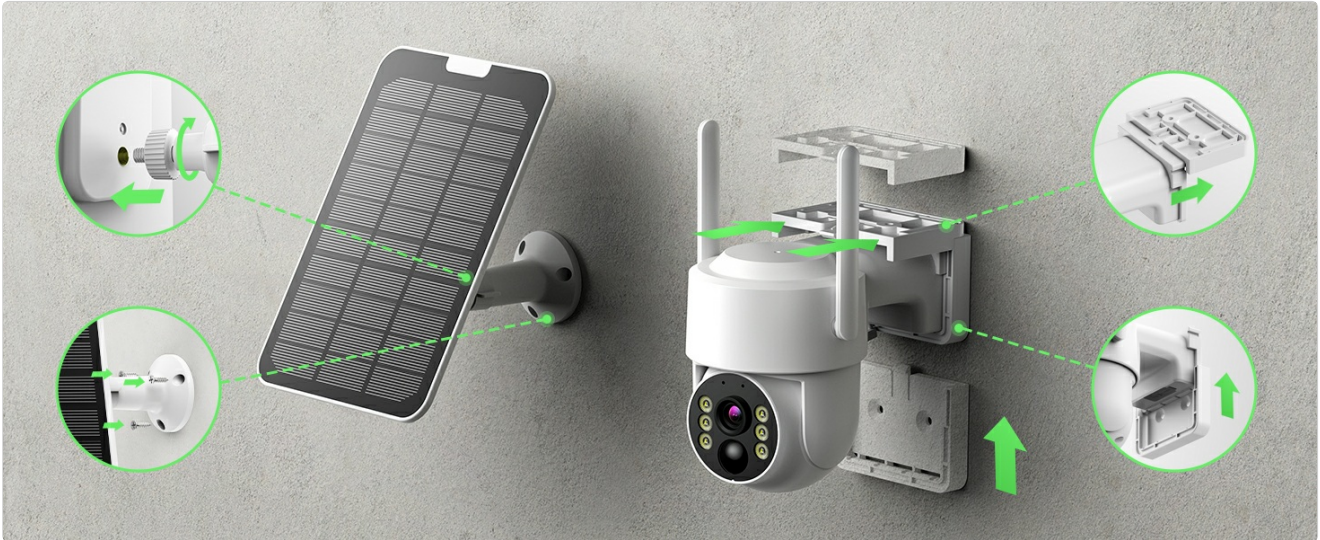


Image: A visual guide demonstrating the easy installation process for mounting the camera and its accompanying solar panel.

4.2 NVR Monitor Placement

Place the NVR monitor in a secure, central location within your home or office. Ensure it is connected to a power source using the DC12V 2A charger. For remote access, the NVR monitor must be connected to your home router via an Ethernet cable.

100% Wire-Free, No Internet Required, Plug and Play (At Home)



Image: An illustration showing the wire-free setup of the CAMCAMP system, with cameras outdoors and the NVR monitor indoors, requiring no internet for local operation.

5. SYSTEM SETUP

The cameras are pre-paired to the NVR monitor at the factory, allowing for a plug-and-play experience.

5.1 Initial Power-On

1. Connect the NVR monitor to power using the provided adapter.
2. Power on the cameras. They will automatically connect to the NVR monitor.
3. The live feed from the cameras should appear on the NVR monitor.

5.2 Remote Access Setup (Optional)

To access your cameras remotely via the CloudEye 365 app, follow these steps:

1. Connect the NVR monitor to your home router using an Ethernet cable.
2. Download the "CloudEye 365" app from the App Store (iOS) or Google Play Store (Android).
3. Register an account and follow the in-app instructions to add your NVR system.

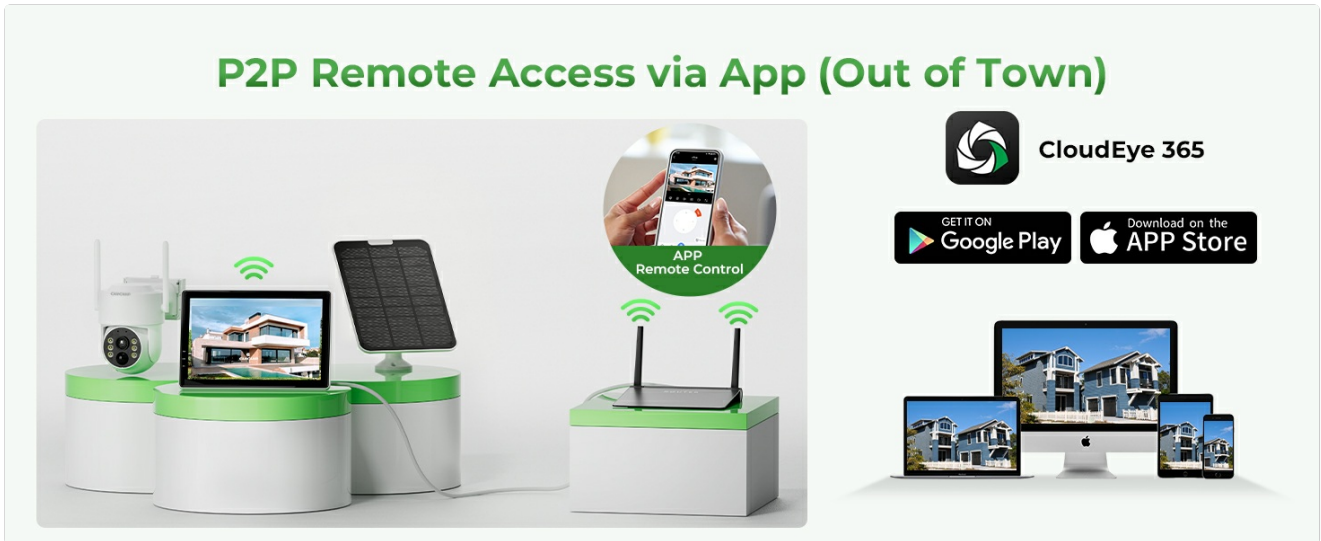


Image: An illustration detailing the setup for P2P remote access, showing the NVR connected to a router and the CloudEye 365 app on various devices.

5.3 HDMI Output (Optional)

You can connect the NVR monitor to a larger screen (TV, PC monitor) via the HDMI port for a more expansive view of your camera feeds.



Image: A diagram illustrating how to connect the NVR monitor to an external display using the HDMI output port.

6. OPERATION

6.1 Live View

On the NVR monitor, you can view live feeds from all connected cameras. Use the included mouse to navigate the interface and select specific camera views or multi-camera layouts.

10-inch NVR + Support 10-Channel Camera

View all around without dead corners in real-time



Image: A floor plan illustrating optimal camera placement for 360-degree coverage, with the NVR monitor displaying real-time feeds.

6.2 Pan, Tilt, and Digital Zoom

Control the camera's pan (340°), tilt (90°), and 5X digital zoom functions through the NVR monitor interface or the CloudEye 365 app to adjust the viewing area.

6.3 Motion Detection and Alerts

The system uses PIR motion detection to reduce false alarms. When motion is detected, the cameras will automatically record, and you will receive real-time alerts on the NVR monitor and/or the CloudEye 365 app. You can configure detection zones to focus on specific areas.

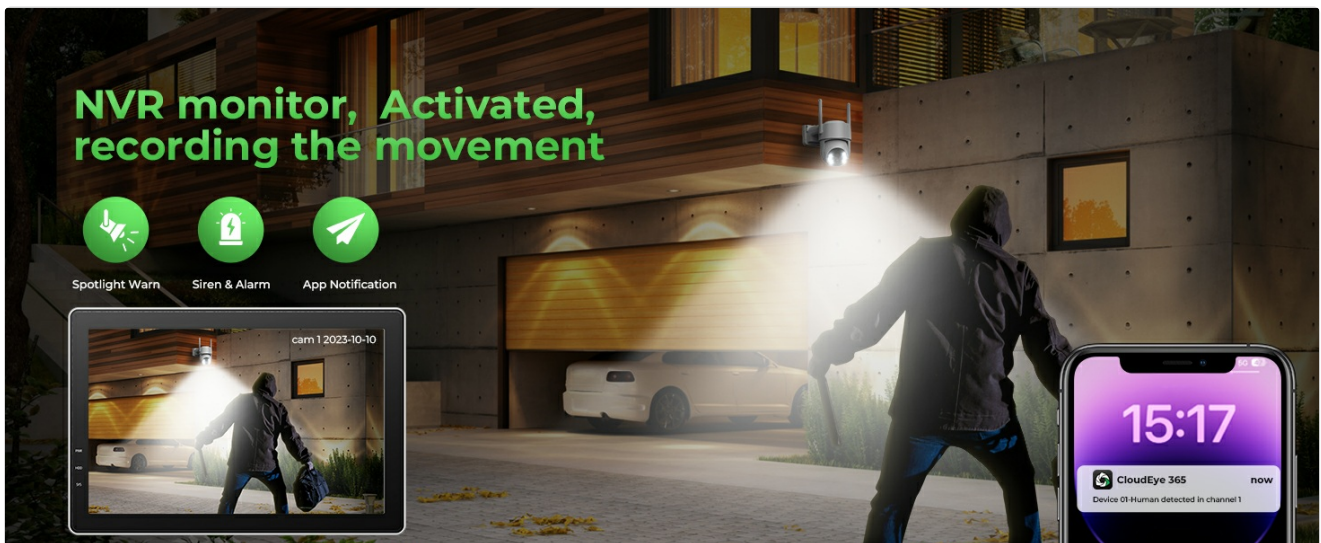


Image: An illustration of the smart motion alert feature, showing a person triggering a recording on the NVR monitor and a notification on a smartphone.



Image: A visual representation of a configurable motion detection area, highlighted in blue on a driveway, to minimize false alarms.

6.4 Two-Way Audio

Utilize the built-in microphone and speaker for two-way communication through the cameras. This feature allows you to speak to visitors or deter intruders.

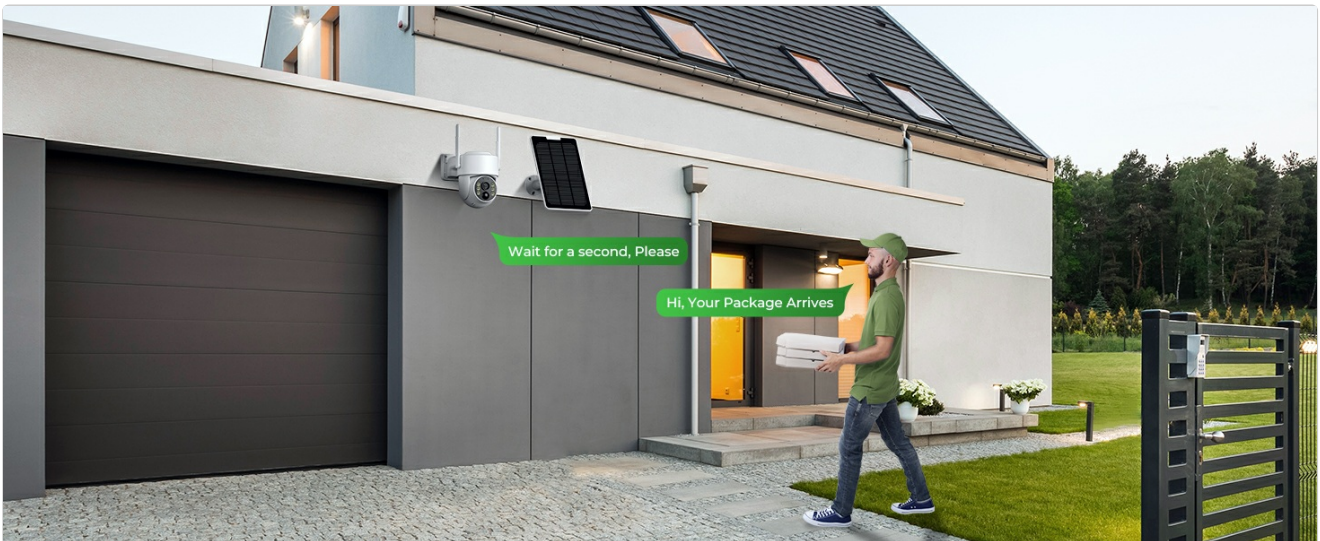


Image: A person using the two-way audio feature to communicate with a delivery person at their doorstep via the security camera.

6.5 Night Vision

The cameras provide 4MP (2K) color night vision with spotlights, or crystal night vision (black and white) when spotlights are off, ensuring clear images even in low-light conditions.

2.5K/4MP Ultra Clear Image



Image: A comparison showing the clarity of full-color night vision with the spotlight on versus infrared night vision with the spotlight off.

6.6 Video Playback

Recorded footage is stored on the NVR's 500GB HDD. You can review recordings directly on the NVR monitor or through the CloudEye 365 app. The system supports motion-triggered recording to conserve power and storage.

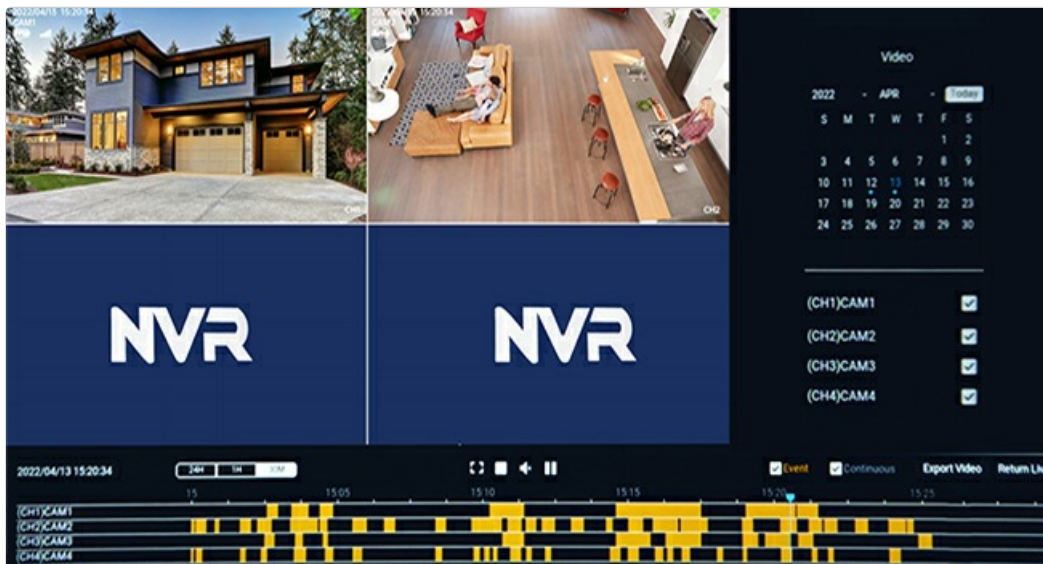


Image: The NVR playback interface, displaying recorded events and options for reviewing footage.

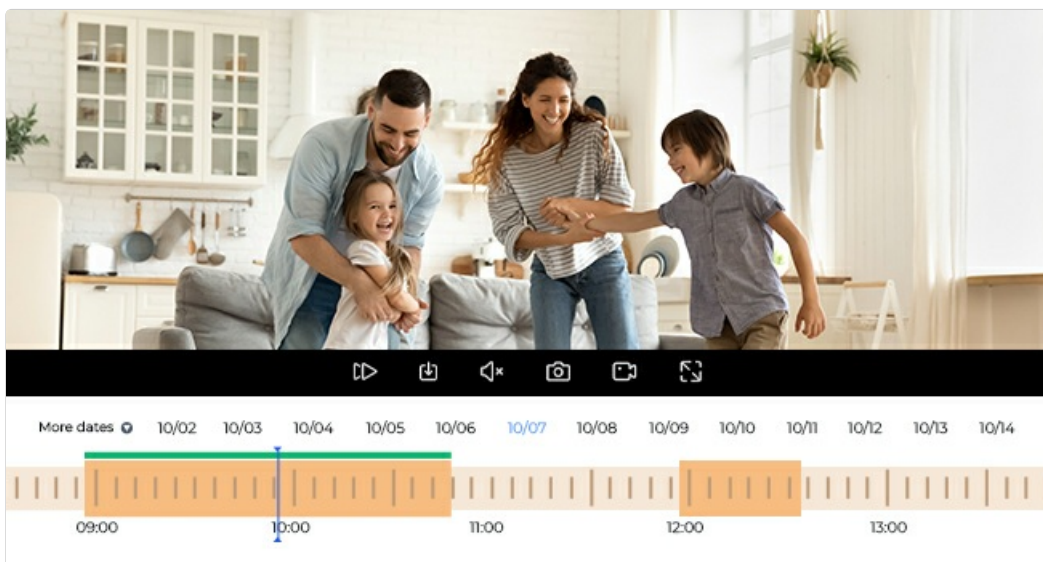


Image: A timeline view of recorded video events, allowing users to easily navigate and find specific footage.

6.7 Alexa Integration

The system supports linking to Amazon Alexa. You can request Alexa to display live video from your cameras using voice commands.

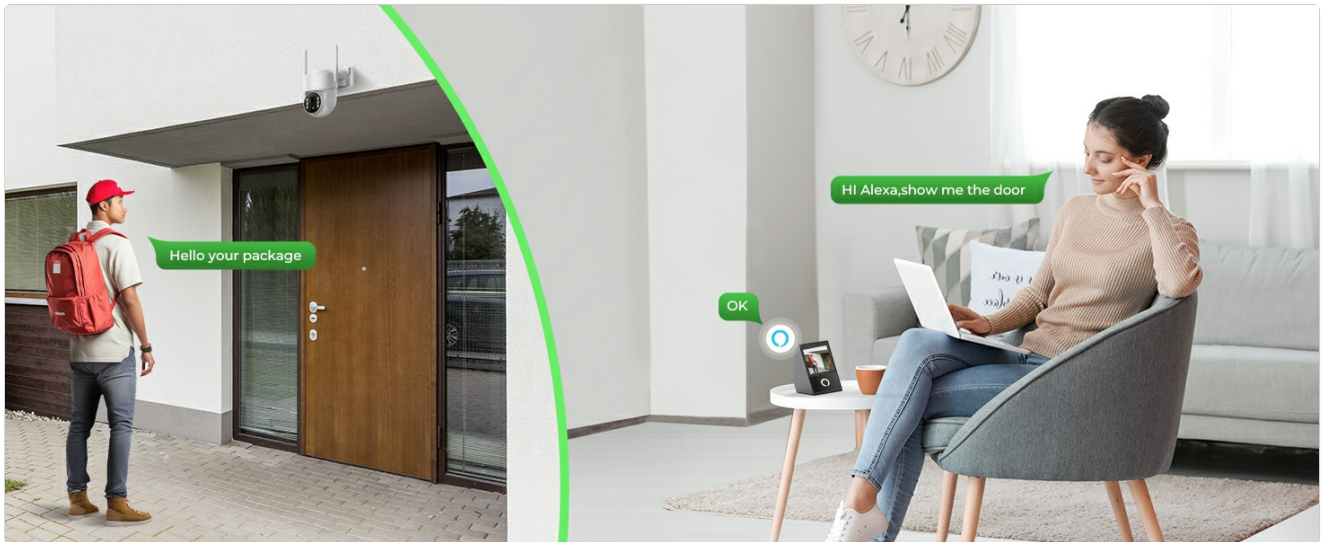


Image: A woman interacting with an Alexa-enabled device to view her camera feed on a smart display, demonstrating voice control integration.

7. MAINTENANCE

- **Clean Camera Lenses:** Regularly wipe the camera lenses with a soft, damp cloth to ensure clear image quality.
- **Check Solar Panels:** Ensure solar panels are free from dirt, leaves, or snow to maintain optimal charging efficiency.
- **Battery Health:** While solar-powered, monitor battery levels periodically, especially during prolonged cloudy periods.
- **Firmware Updates:** Check the CloudEye 365 app or CAMCAMP website for any available firmware updates to improve system performance and security.
- **Storage Management:** The 500GB HDD provides ample storage. The system uses H.265+ compression to save space. You can also use an optional Micro SD card (up to 128GB) or cloud storage (separate service).



Image: An illustration of the optional storage methods, including a Micro SD card slot on the NVR and cloud storage options.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on NVR monitor	NVR not powered on; Cameras not powered on or out of range; Cameras not paired.	Check power connections for NVR and cameras. Ensure cameras are within wireless range. If issues persist, re-pair cameras (refer to advanced settings in NVR menu).
Poor image quality	Dirty lens; Low light conditions; Poor wireless signal.	Clean camera lens. Ensure adequate lighting for optimal night vision. Relocate camera or NVR for better signal strength.
No remote access via app	NVR not connected to router; Incorrect app settings; Router issues.	Verify NVR is connected to router via Ethernet. Check app network settings. Restart router and NVR.
Solar panel not charging	Insufficient sunlight; Panel obstructed; Cable disconnected.	Relocate panel to an area with direct sunlight. Clear any obstructions. Ensure cable is securely connected.
Motion alerts not working	Motion detection disabled; Sensitivity too low; Detection zone not configured.	Enable motion detection in NVR/app settings. Adjust sensitivity. Configure detection zones as needed.

9. SPECIFICATIONS

- **Model Name:** 4MP/2K Wireless Solar Security Cameras Outdoor System with 10" 10CH NVR Monitor & 500 GB HDD
- **Video Resolution:** 4MP/2.5K (2560*1440P)
- **Connectivity:** Wireless (2.4 & 5GHz WiFi Pro), Ethernet
- **Night Vision:** Color Night Vision (with spotlight), Crystal Night Vision (IR) - up to 65 feet
- **Pan/Tilt/Zoom:** 340° Pan, 90° Tilt, 5X Digital Zoom
- **Audio:** Two-Way Audio
- **Storage:** Built-in 500GB HDD, supports Micro SD (up to 128GB), Cloud Storage (optional)
- **Power Source:** Solar Powered, Battery Powered (6000mAh rechargeable battery)
- **Weather Resistance:** IP66 Waterproof (Operating temperature: -13°F to 122°F / -10°C to 50°C)
- **NVR Monitor:** 10.1-inch, 10-Channel Expandable, HDMI Output
- **Control Method:** NVR Monitor, CloudEye 365 App (iOS/Android), Amazon Alexa
- **Motion Detection:** PIR Motion Sensor, Zone Detection, Motion Triggered Recording

10. WARRANTY AND SUPPORT

CAMCAMP offers a 12-month replacement period for this product. For technical support, troubleshooting assistance, or warranty claims, please contact CAMCAMP customer service. Our support team is available to provide solutions within 48 hours.

For the latest information and support resources, please visit the official CAMCAMP website or refer to the contact information provided with your product packaging.

Your browser does not support the video tag.

Video: An official CAMCAMP video demonstrating the features and functionality of the Solar Security Camera System with 10.1-inch NVR Monitor. This video provides a visual overview of the product's capabilities and ease of use.

