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› Camcamp 4MP Wireless Solar Security Camera System with 10-inch Monitor (Model SC41)

Camcamp SC41

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User Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Camcamp 4MP Wireless Solar Security Camera System. This all-in-one system includes a 10-inch monitor NVR and four solar-powered outdoor cameras, designed for reliable surveillance with easy setup and remote access capabilities.

2. PACKAGE CONTENTS

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

- 1x NVR Monitor with pre-installed 500GB HDD
- 4x Wireless Solar Outdoor Security Cameras
- 4x Type-C Charge Cables
- 1x Ethernet Cable
- 1x Power Adapter for NVR
- 1x USB Mouse
- 4x Mounting Bases
- 1x User Manual

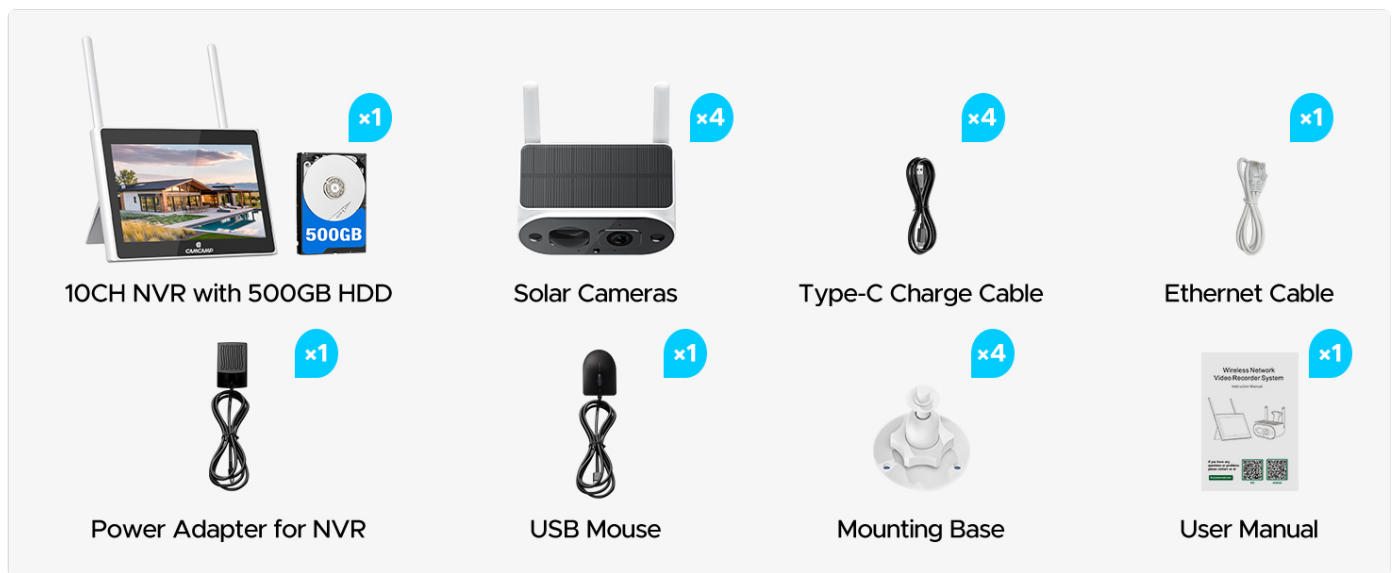


Figure 2.1: All components included in the Camcamp 4MP Wireless Solar Security Camera System package.

3. PRODUCT OVERVIEW

The Camcamp security system offers a comprehensive surveillance solution with key features designed for ease of use and robust performance.

- **All-in-One System:** The 10-inch monitor NVR and cameras are pre-paired for immediate use upon power-up.
- **Solar Powered & Wireless:** Cameras feature integrated solar panels and 8000mAh batteries, providing continuous power and flexible placement without wiring.
- **High-Resolution Video:** Capture clear details with 4MP (1440p) video resolution.
- **Advanced Night Vision:** Equipped with spotlights for color night vision up to 30 feet, alongside infrared night vision.
- **Smart Detection:** PIR sensors reduce false alarms from environmental factors like insects or leaves.
- **Two-Way Audio:** Communicate directly through the cameras with built-in microphones and speakers.
- **Local Storage & Expandability:** NVR includes a 500GB HDD for local recording with no monthly fees. The system supports up to 10 cameras.
- **Weatherproof Design:** Cameras are IP66 rated, ensuring operation in various weather conditions.



Figure 3.1: The Camcamp 4MP Wireless Solar Security Camera System components.

100% WIRE-FREE & SOLAR POWERED

Solar charging for 3 Hours per day to provide all-day power.



*With optimal sunlight, the built-in solar panel can collect and store 450 to 600 mAh per day. Solar camera uses 150 to 200 mAh over a day and night of average use, but the actual power usage per day depends on the number of times the camera wakes up, the length of recording, the number of real-time views, etc.
**Actual charging time varies depending on the installation location and lighting conditions.

Figure 3.2: Detail of the solar-powered camera, emphasizing its self-sustaining power source.

4. SETUP INSTRUCTIONS

4.1 Initial System Power-Up

1. **Connect NVR:** Plug the NVR monitor into a power outlet using the provided power adapter.
2. **Power On Cameras:** Ensure the solar cameras are charged or have sufficient battery. They are pre-paired with the NVR.
3. **View Live Feed:** Once powered, the cameras will automatically connect to the NVR, and their live feed will display on the 10-inch monitor.



Figure 4.1: The system is 100% wireless for easy setup.

4.2 Camera Mounting

The cameras are designed for outdoor use and can be mounted in various locations. Choose a spot with good sunlight exposure for optimal solar charging.

1. **Select Location:** Identify a suitable mounting location that provides the desired viewing angle and receives adequate sunlight.
2. **Install Mounting Base:** Secure the mounting base to the wall or surface using screws.
3. **Attach Camera:** Mount the camera onto the base and adjust its angle for optimal coverage.

ADAPTS WITH EASE

Mount the camera in any well-lit area or set it up flexibly by purchasing additional solar panels.



Figure 4.2: Easy self-installation of the camera without complex wiring.

4.3 App Installation and Remote Access

To access your system remotely, connect the NVR to your home's 2.4G WiFi network or via an Ethernet cable, then install the "CloudEye 365" application on your smartphone or tablet.

1. **Connect NVR to Network:** Use the NVR's settings to connect to your 2.4G WiFi network or plug in an Ethernet cable.
2. **Download App:** Search for "CloudEye 365" on the App Store (iOS) or Google Play Store (Android) and install it.
3. **Register/Login:** Follow the in-app instructions to create an account or log in.
4. **Add Device:** Add your NVR system to the app by scanning the QR code displayed on the NVR monitor or entering its device ID.

SHARE ACCESS EASILY

Easily achieve remote access and share account access with your family and trusted friends through the "CloudEye 365" APP.

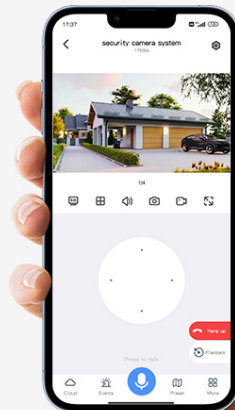


Figure 4.3: The CloudEye 365 app for remote monitoring and sharing.

5. OPERATING INSTRUCTIONS

5.1 Live View and Recording

The NVR monitor displays live feeds from all connected cameras. You can switch between single-camera view and multi-camera grid view.

- **Recording Modes:** The system supports motion-activated recording and continuous 24/7 recording. Motion recording conserves storage space and battery life for solar cameras.
- **Playback:** Use the NVR interface or the mobile app to review recorded footage stored on the 500GB HDD.



Figure 5.1: NVR monitor with 500GB HDD and recording options.

5.2 Smart Detection and Alerts

The cameras are equipped with PIR sensors to detect human motion and minimize false alarms.

- **Instant Alerts:** Receive real-time notifications on your mobile device via the CloudEye 365 app when motion is detected.
- **Customizable Alarm Zones:** Define specific areas within the camera's view to trigger alerts, reducing notifications from irrelevant areas.

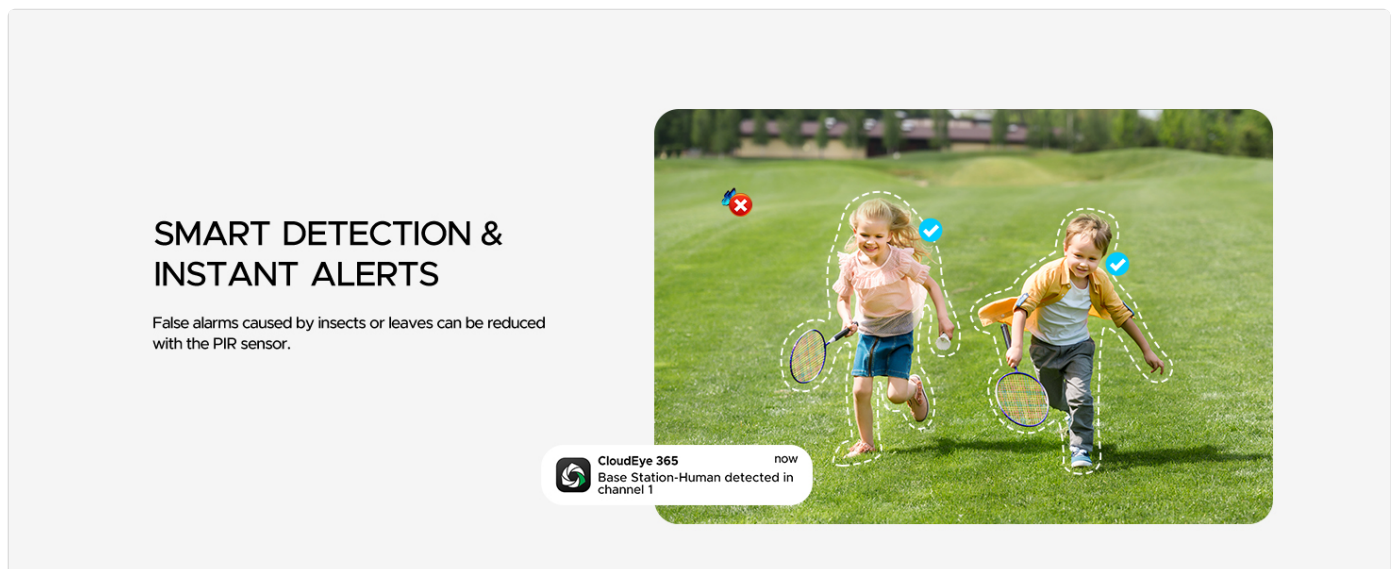


Figure 5.2: Smart detection identifies human presence and sends instant alerts.

CUSTOMIZE ALARM AREA & TIMES

Receive alarm notifications for selected areas only, reducing unnecessary alarms.



Figure 5.3: Customize alarm areas and times to receive relevant notifications.

5.3 Two-Way Audio

Utilize the built-in microphone and speaker on each camera to communicate with individuals near the camera.

- **Speak and Listen:** Through the mobile app, you can speak to visitors, delivery personnel, or deter intruders.

TWO-WAY AUDIO

See, hear and speak to family, courier or pets.



Figure 5.4: Engage in two-way audio communication via the camera.

5.4 Night Vision and Zoom

The cameras provide clear surveillance even in low-light conditions.

- **Color Night Vision:** Integrated spotlights enable full-color video recording at night.
- **Digital Zoom:** The 4MP resolution allows for 5x digital zoom to view finer details in recorded or live footage.

CLEAR COLOR NIGHT VISION

Clear image as during the day, provide you with more details.



Figure 5.5: Clear color night vision provides detailed images in low light.

SEE MORE DETAIL WITH 2.5K QHD

Capture every moment with clarity and view details with 5x digital zoom.

5×
Hybrid Zoom



Figure 5.6: Utilize 5x digital zoom to capture finer details.

5.5 Privacy Protection

Configure privacy zones to exclude specific areas from recording, ensuring personal privacy.

- **Privacy Zones:** Use the NVR or app settings to black out areas in the camera's view that you do not wish to record.

PERSONAL PRIVACY PROTECTION

You can customize the privacy area to protect your personal private space or prevent invasion of others' privacy.



5.6 Voice Assistant Compatibility

The system is compatible with Alexa, allowing for voice control to view camera footage.

- **Alexa Integration:** Connect your Camcamp system to compatible Alexa devices (e.g., Echo Show) to view live feeds using voice commands.

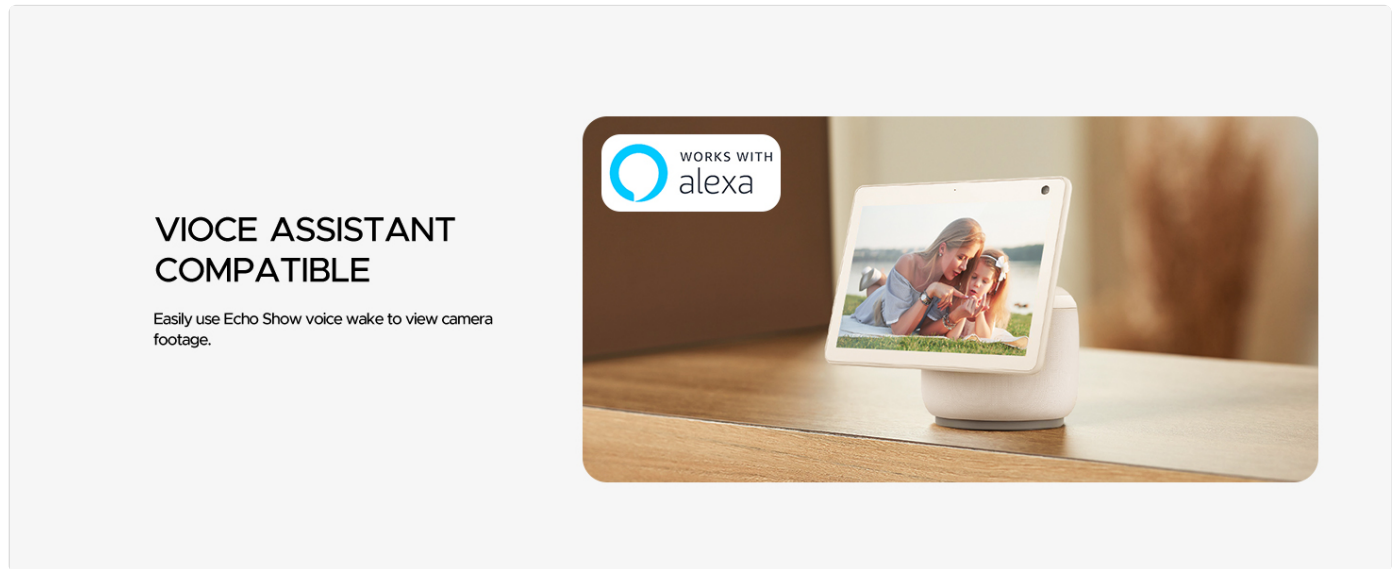


Figure 5.8: The system is compatible with Alexa for convenient voice control.

6. MAINTENANCE

6.1 Solar Panel and Battery Care

To ensure continuous operation, maintain the solar panels and monitor battery levels.

- **Clean Solar Panels:** Regularly clean the solar panels to remove dust, dirt, or debris that may hinder charging efficiency.
- **Optimal Placement:** Ensure cameras are placed in locations that receive at least 3 hours of direct sunlight daily for optimal charging.
- **Battery Monitoring:** Check battery status via the NVR or mobile app. If necessary, use the Type-C charge cable to manually charge the camera.

6.2 Storage Management

The NVR comes with a 500GB HDD for local storage. Additional storage options are available.

- **HDD Management:** The system automatically manages the 500GB HDD, typically overwriting the oldest footage when full.
- **Cloud Storage:** Optional paid cloud storage is available for off-site backup of video recordings. All cloud recordings are encrypted.
- **TF Card:** The system also supports TF card storage as an additional local backup option.



Figure 6.1: Local storage with 500GB HDD and options for TF card and cloud storage.

6.3 Weather Resistance

The cameras are designed to withstand various weather conditions.

- **IP66 Rating:** The cameras are IP66 weatherproof, protecting them from dust and strong jets of water. This ensures reliable operation in rain, snow, and extreme temperatures.

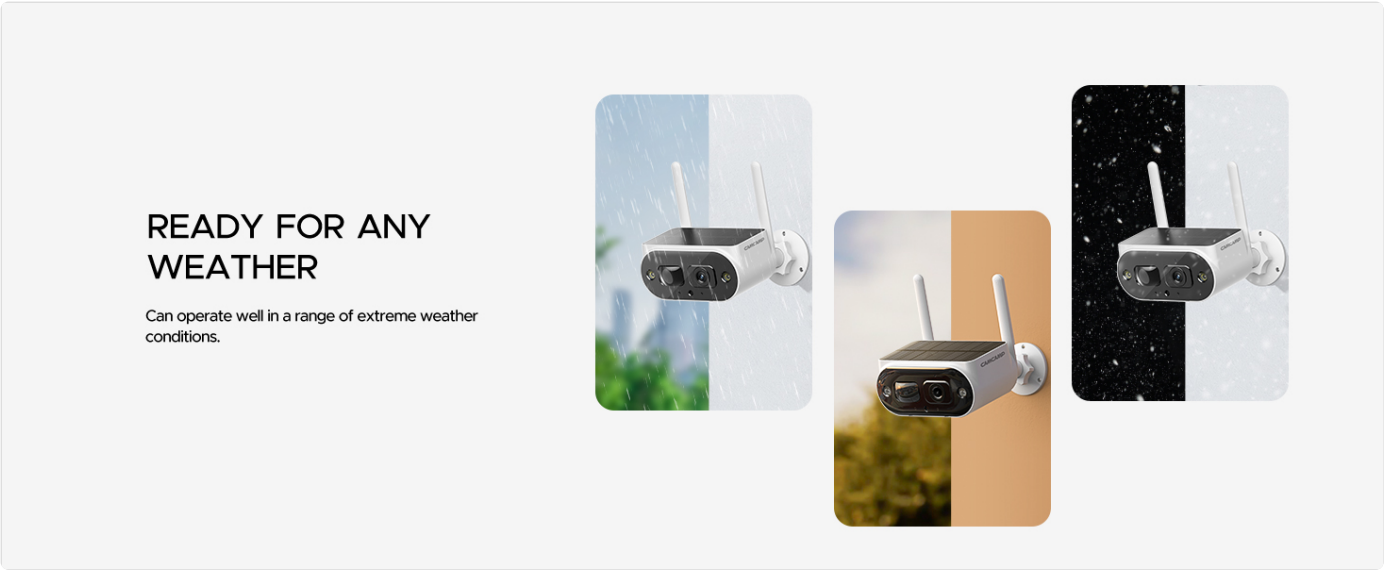


Figure 6.2: IP66 weatherproof design ensures durability in all weather conditions.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Camcamp security system.

Problem	Possible Cause	Solution
No image on NVR monitor	NVR not powered; cameras not powered or out of range; cameras not paired.	Ensure NVR is plugged in. Check camera battery levels. Move cameras closer to NVR. If issues persist, re-pair cameras (refer to advanced settings in NVR menu).

Problem	Possible Cause	Solution
Poor or no remote access via app	NVR not connected to internet; weak WiFi signal; incorrect app settings.	Verify NVR is connected to your 2.4G WiFi or Ethernet. Ensure strong WiFi signal. Check app permissions and network settings on your phone.
False motion alerts	PIR sensitivity too high; environmental factors (e.g., swaying branches, insects).	Adjust PIR sensitivity settings in the NVR or app. Configure alarm zones to exclude areas with frequent irrelevant motion.
Camera battery drains quickly	Insufficient sunlight for solar charging; excessive motion events; frequent live view access.	Relocate camera to a spot with more direct sunlight. Reduce PIR sensitivity. Limit frequent live view access. Manually charge the camera if needed.
Two-way audio not working	Microphone/speaker disabled; volume too low; app permissions.	Check audio settings in the NVR or app. Ensure microphone and speaker are enabled and volume is adequate. Grant necessary audio permissions to the app on your mobile device.

8. SPECIFICATIONS

Feature	Detail
Brand	Camcamp
Model Number	SC41
Video Recording Resolution	1440p (4MP)
Number of Channels	10 (supports up to 10 cameras)
Memory Storage Capacity	500 GB HDD (pre-installed)
Color	White
NVR Monitor Dimensions (L x W x H)	25 x 3 x 17 cm
Low Light Technology	Night Vision (Color and Infrared)
Recording Mode	Motion-activated, 24/7 (configurable)
USB Ports	1
Hardware Interface	Ethernet, HDMI, Micro SD, USB
Weather Resistance	IP66
Battery Capacity (per camera)	8000mAh (integrated)
App Compatibility	CloudEye 365 (Android, iOS)
Voice Assistant	Works with Alexa

9. WARRANTY AND SUPPORT

Camcamp products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included in your package or visit the official Camcamp website.

For technical support, troubleshooting assistance, or any inquiries regarding your product, please contact Camcamp customer service through the contact information provided on the official website or within the CloudEye 365 application.

Online Resources:

- Official Camcamp Website: www.camcamp.com
- CloudEye 365 App Support: Refer to the 'Help' or 'FAQ' section within the app.