

Camcamp SC23D

Camcamp Wireless Security Camera System SC23D User Manual

Model: SC23D

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Camcamp Wireless Security Camera System. This system includes solar-powered PTZ cameras, a 4MP NVR with a pre-installed 500GB HDD, and supports both 2.4G and 5G WiFi for comprehensive home outdoor security. The cameras feature 2-way audio, color night vision, and are IP66 waterproof, ensuring reliable performance in various weather conditions.

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.

- 6 x 4 MP Wireless PTZ Security Cameras
- 6 x Solar Panels
- 1 x 10CH NVR (Network Video Recorder)
- 6 x Type C Charging Cables
- 1 x HDMI Cable
- Mounting screws and anchors

3. PRODUCT OVERVIEW

3.1 System Components

The Camcamp Wireless Security Camera System consists of several key components designed for seamless integration and reliable performance.



Image: Overview of the Camcamp Wireless Security Camera System components.

3.2 Wireless PTZ Cameras

Each camera is a 4MP PTZ (Pan-Tilt-Zoom) unit, offering a 130° ultra-wide viewing angle, 355° pan, 90° tilt, and 8x digital zoom. They are equipped with a 4W solar panel and a built-in 8000mAh rechargeable battery for continuous operation. The IP66 waterproof rating ensures durability in outdoor environments.

Non-Stop Solar Energy, 100% Wireless

With 4W high-efficiency solar panel and built-in high-capacity battery, you don't have to remove the battery or charge it.



Image: A Camcamp PTZ camera with its solar panel, illustrating its wireless and solar-powered design.

3.3 10-Channel NVR

The Network Video Recorder (NVR) supports up to 10 channels, allowing for expansion beyond the included 6 cameras. It comes with a pre-installed 500GB HDD for local storage, expandable up to 6TB (supports 2.5-inch hard disks only). The NVR provides HDMI output for direct connection to a monitor.

10CH NVR Support HDMI Output

No Monthly Fee



Built-in
500GB
HDD



UP to
6TB
HDD



Image: The 10-channel NVR connected to a display, showing multiple camera views.

3.4 Night Vision and Smart Features

The cameras offer three night vision modes: full-color night vision (with 4 spotlights), infrared night vision, and smart night vision. They also feature human motion detection, 2-way audio, light alarms, and buzzers to deter intruders and provide instant alerts via the mobile app.

Two Night Modes Switchable

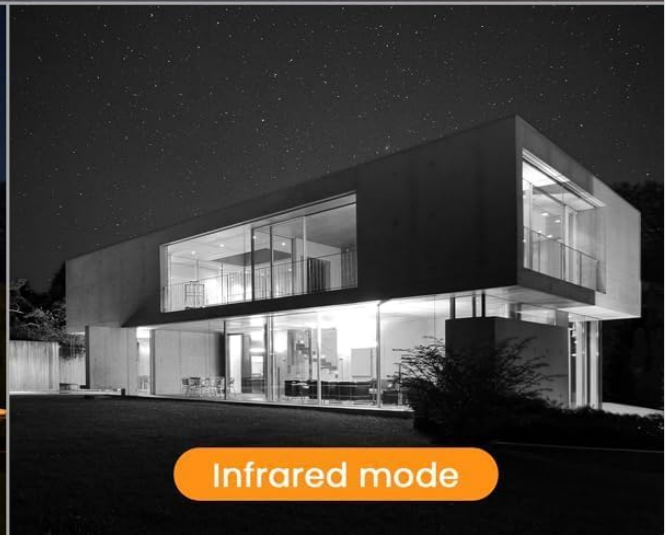


Image: Illustration of the two primary night vision modes: Spotlight Mode for full color and Infrared Mode for black and white.

4. SETUP GUIDE

4.1 Initial Charging

Before installation, fully charge each camera using the provided Type C charging cables. This ensures the built-in battery is at optimal capacity for initial setup and solar panel efficiency.

4.2 NVR Setup

1. Connect the NVR to a monitor using the supplied HDMI cable.
2. Connect the NVR to a power source using the provided power adapter.
3. Connect the NVR to your router via an Ethernet cable for internet access, if remote viewing is desired.
4. Upon first use, format the pre-installed 500GB hard disk drive (HDD) through the NVR's system settings. This prepares the storage for recording.

4.3 Camera Installation and Placement

Mount the cameras in desired outdoor locations using the provided screws and anchors. Consider the following:

- **Solar Panel Exposure:** Ensure the solar panel receives direct sunlight for several hours daily to maintain battery charge.
- **WiFi Range:** Place cameras within effective range of your NVR's WiFi signal. While the system is wireless, a strong signal is crucial for stable video transmission.
- **Coverage Area:** Utilize the PTZ capabilities to maximize the surveillance area. The 355° pan and 90° tilt allow for flexible monitoring.

360° Full Field of View & 8x Zoom



Image: Illustration of the camera's pan (355°) and tilt (90°) capabilities for comprehensive coverage.

4.4 App Installation and Pairing

1. Download the **CloudEye 365** app from your smartphone's app store.
2. Follow the in-app instructions to register an account and add your NVR system.
3. The cameras should automatically pair with the NVR. If a camera disconnects or fails to pair, refer to the NVR's on-screen menu or the app for instructions on how to re-sync.

5. OPERATING INSTRUCTIONS

5.1 Mobile App Usage

The CloudEye 365 app provides full control and monitoring capabilities:

- **Live View:** Access real-time video feeds from all connected cameras.
- **Playback:** Review recorded footage stored on the NVR's HDD.
- **PTZ Control:** Remotely pan, tilt, and zoom the cameras to adjust viewing angles.
- **2-Way Audio:** Communicate through the camera's built-in speaker and microphone.
- **Motion Alerts:** Receive instant notifications on your smartphone when human motion is detected.
- **Customization:** Define specific motion detection areas and privacy zones to focus monitoring on relevant areas.

Smart Human Motion Detection



App Push



2-Way Audio



Light Alarm



Buzzer



Image: Smart Human Motion Detection features, including app notifications, two-way audio, light alarm, and buzzer.

5.2 Night Vision Modes

The system offers flexible night vision options:

- **Full-Color Night Vision:** Activates built-in spotlights to provide clear, color images in low-light conditions.
- **Infrared Night Vision:** Uses IR lights for black and white video, conserving energy.
- **Smart Night Vision:** Automatically switches between IR and color modes based on detected motion or light conditions.

5.3 Alexa Integration

The system is compatible with Alexa Echo Show devices. You can view camera feeds using simple voice commands. Refer to the CloudEye 365 app or Alexa app for specific setup instructions.

6. MAINTENANCE

6.1 Solar Panel Cleaning

Regularly clean the surface of the solar panels to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption and optimal battery charging efficiency.

6.2 Battery Management

While solar-powered, prolonged periods of low sunlight or heavy usage may deplete the battery. If the battery level drops significantly, you may need to manually charge the camera using the Type C cable. Ensure the solar panel is positioned for maximum sun exposure.

6.3 Firmware Updates

Periodically check the CloudEye 365 app for available firmware updates for your NVR and cameras. Updates can improve performance, add new features, and enhance security.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Camcamp Wireless Security Camera System.

- **Camera Disconnection/Failure to Power On:** If a camera disconnects or fails to power on, ensure it is fully charged. If issues persist, try re-syncing the camera with the NVR via the system settings or app.
- **Weak WiFi Signal/Video Delay:** The wireless signal strength can be affected by distance and obstacles (walls). Ensure cameras are within a reasonable range of the NVR. Consider repositioning the NVR or cameras to improve signal.
- **Solar Panel Not Keeping Battery Charged:** Verify the solar panel is clean and receives adequate direct sunlight daily. Obstructions or consistently cloudy weather can reduce charging efficiency. Manual charging may be required during extended periods of low sunlight.
- **Camera Goes to Sleep/Requires Power Recycle:** Ensure the camera's motion detection settings are configured correctly to prevent it from entering a deep sleep state during active periods. If a camera becomes unresponsive, a physical power cycle (turning it off and on) may resolve the issue.
- **Remote Access Issues (Phone App):** For remote viewing and control via the phone app, an internet connection for the NVR (via router) is required. While local recording can occur without internet, app functionality relies on network connectivity.

8. SPECIFICATIONS

Key technical specifications for the Camcamp Wireless Security Camera System SC23D.

Feature	Specification
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Feature	Specification
Model Name	SC23D
Recommended Uses	Outdoor Security
Connectivity Technology	Wireless (2.4G & 5G WiFi)
Camera Resolution	4 MP
NVR Channels	10-Channel
NVR Storage	500GB HDD (pre-installed), expandable to 6TB (2.5-inch HDD)
Power Source	Solar Powered & Battery Powered (8000mAh built-in battery)
Special Features	100% Wire-Free, 2-Way Audio, Color Night Vision, PIR Sensor, PTZ Technology, APP Remote, IP66 Waterproof
Indoor/Outdoor Usage	Indoor, Outdoor
Control Method	App (CloudEye 365)
Compatible Devices	Smartphone, Alexa Echo Show
Item Dimensions	9 x 3 x 15 inches (System)
Item Weight	5.78 Kilograms (System)

9. WARRANTY AND SUPPORT

9.1 Product Warranty

The Camcamp Wireless Security Camera System SC23D comes with a **one-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Camcamp customer support. Refer to the contact information provided on the product packaging or the official Camcamp website.