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› [Camcamp](#) /

› [CAMCAMP SC49XA Wi-Fi Outdoor Surveillance Camera System User Manual](#)

Camcamp SC49XA

CAMCAMP SC49XA Wi-Fi Outdoor Surveillance Camera System User Manual

Model: SC49XA

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, configuration, and operation of your CAMCAMP SC49XA Wi-Fi Outdoor Surveillance Camera System. Please read this manual thoroughly before using the product to ensure proper setup and functionality. Keep this manual for future reference.



Figure 1.1: Overview of the CAMCAMP SC49XA Wi-Fi Outdoor Surveillance Camera System components.

2. PRODUCT OVERVIEW

The CAMCAMP SC49XA system is a complete wireless surveillance solution designed for both home and business security. It features a 10-channel Network Video Recorder (NVR) with an integrated 10.1-inch HD monitor and a 500GB hard disk drive (HDD). The system includes four 4-megapixel (MP) Pan-Tilt-Zoom (PTZ) Wi-Fi cameras equipped with two-way audio, spotlight alarm, and color night vision capabilities. The cameras offer 360-degree coverage and human tracking functionality.

Key Features:

- **Plug & Play Setup:** Cameras automatically pair with the NVR for easy installation.
- **Integrated NVR Monitor:** 10.1-inch HD display for live viewing and playback.
- **500GB HDD:** Pre-installed for continuous 24/7 recording.
- **4MP PTZ Cameras:** High-resolution cameras with 355° pan, 90° tilt, and 110° wide-angle fixed lens for comprehensive coverage.
- **Dual Lens Design:** Combines a fixed lens and a PTZ lens for dual-screen viewing.
- **Color Night Vision:** Enhanced visibility in low-light conditions with integrated spotlights.

- **AI Humanoid Detection & Auto Tracking:** Intelligent detection and tracking of human figures.
- **Two-Way Audio:** Built-in microphone and speaker for communication.
- **IP66 Weatherproof:** Cameras are designed for outdoor use in various weather conditions.
- **Remote Access:** View live feeds and recordings via mobile application.
- **Expandable System:** Supports up to 10 cameras.

3. PACKAGE CONTENTS

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

- 1 x 10.1" 10-channel NVR Monitor (with integrated 500GB HDD)
- 4 x Wired Wi-Fi PTZ Outdoor Cameras
- 1 x NVR Host Power Adapter (DC-12V/2A, 2.5-3m cable)
- 4 x Camera Power Adapters (DC-12V/1A, 2.5m cable)
- 1 x Ethernet Cable (1m)
- 1 x HDMI Cable (1m)
- 1 x USB 2.0 Mouse (1m)
- Mounting Screws and Anchors
- User Manual (this document)

4. SETUP INSTRUCTIONS

4.1 Initial System Setup

The CAMCAMP SC49XA system is designed for easy plug-and-play installation. The cameras are pre-paired with the NVR, allowing for local operation without an internet connection.

1. **Power the Cameras:** Connect each Wi-Fi camera to its respective power adapter and plug it into a power outlet.
2. **Power the NVR Monitor:** Connect the NVR monitor to its power adapter and plug it into a power outlet.
3. **View Live Feed:** The cameras will automatically connect to the NVR, and their live feeds will appear on the 10.1-inch monitor.

Auto Paired, True Plug & Play

No Internet required (at home)



Figure 4.1: Auto-paired, plug-and-play setup for local viewing.

4.2 NVR Network Connection (for Remote Access)

To enable remote viewing and advanced features via the mobile app, the NVR must be connected to your home or business network.

- **Ethernet Connection:** Connect one end of the provided Ethernet cable to the WAN port on the NVR and the other end to an available LAN port on your router.
- **Wi-Fi Connection:** Alternatively, the NVR supports dual-band (2.4GHz/5GHz) Wi-Fi connection. Navigate to the NVR's network settings to connect to your wireless network.

Easy Remote Access to View & Playback

The NVR needs to connect to the Router via WiFi/Ethernet first.



Figure 4.2: NVR network connection for remote access.

4.3 Mobile App Setup

Download the 'CloudEye 365' app from your smartphone's app store. Follow the in-app instructions to add your NVR system for remote viewing and control.

5. OPERATING INSTRUCTIONS

5.1 Live View and Display

The NVR monitor displays live feeds from all connected cameras. You can switch between single-camera view and multi-camera grid view using the NVR's interface or the mobile app.

4K 10CH NVR Monitor, HDMI Output



Figure 5.1: NVR monitor displaying multiple camera feeds.

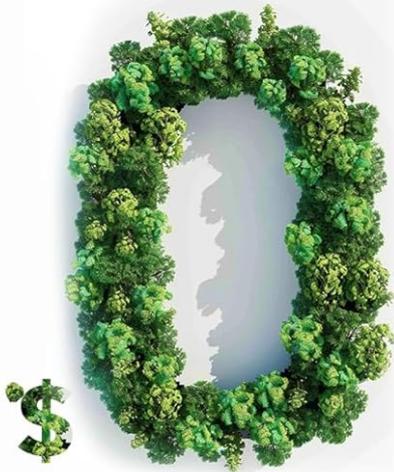
5.2 Recording and Playback

The system records continuously to the pre-installed 500GB HDD. The H.265+ video encoding technology optimizes storage space, allowing for extended recording periods.

- **Continuous Recording:** The system records 24/7, overwriting the oldest footage when the HDD is full.
- **Event Recording:** Motion-triggered recordings are also saved.
- **Playback:** Use the NVR interface or mobile app to review recorded footage by date and time.

24/7 Recording, 0 Monthly Fee

All day video & audio record, no hidden cost



Buil-in Storage

Figure 5.2: 24/7 recording with integrated 500GB HDD.

5.3 Motion Detection and Tracking

The cameras feature AI Humanoid Detection and Auto Tracking. When a human figure is detected, the camera can automatically track their movement and trigger alerts.

- **Configuration:** Adjust motion detection sensitivity and define specific detection zones through the NVR settings or mobile app.
- **Alerts:** Receive notifications via the mobile app or email when motion is detected.
- **Spotlight Alarm:** The camera's integrated spotlight can be configured to activate upon detection, deterring intruders and enhancing color night vision.

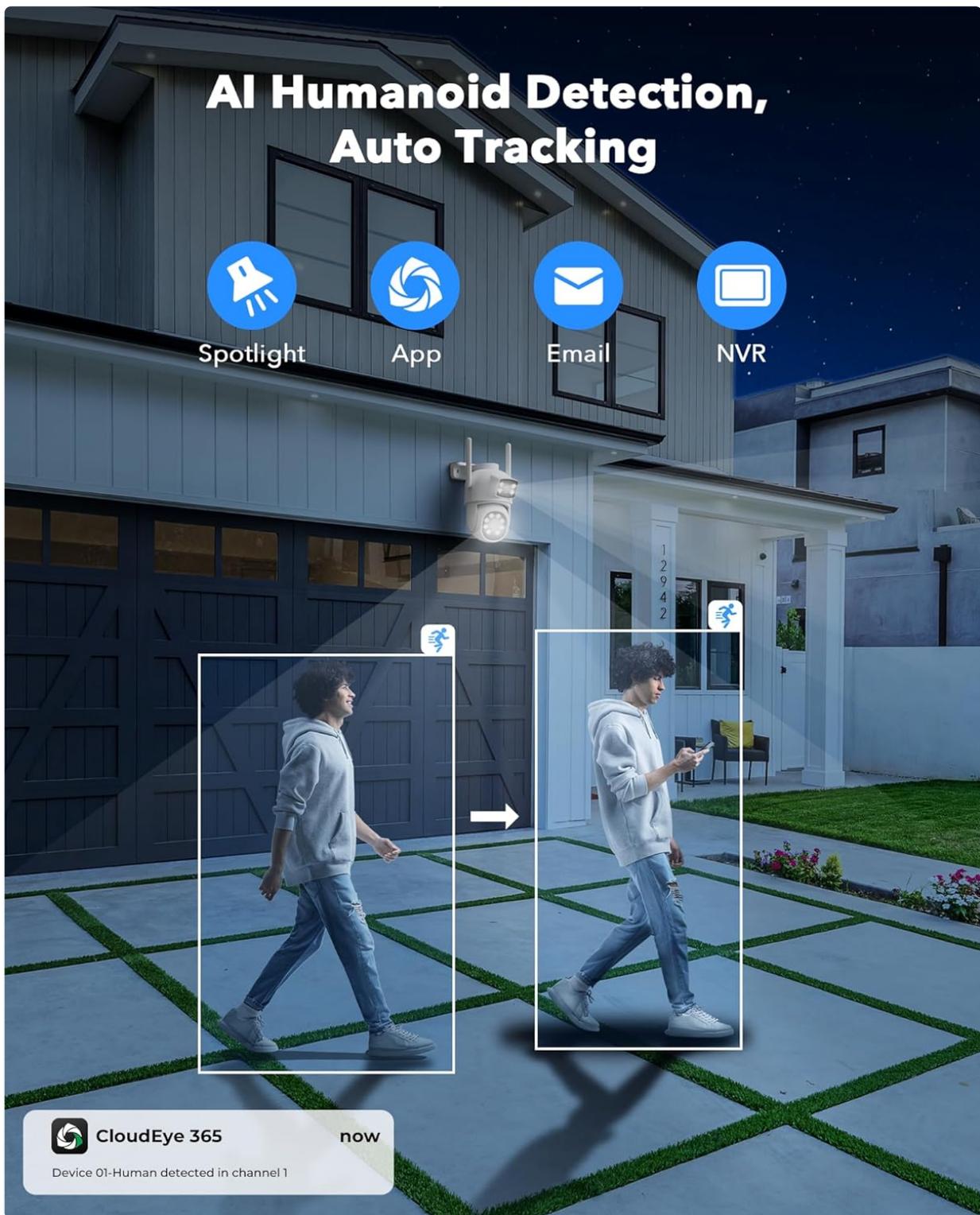


Figure 5.3: AI Humanoid Detection and Auto Tracking in action.

5.4 Two-Way Audio

Each camera is equipped with a microphone and speaker, enabling two-way audio communication. This allows you to speak to visitors or deter unwanted individuals directly through the camera.

- **Activation:** Activate the two-way audio feature via the NVR monitor or the mobile application.
- **Usage:** Speak into your device's microphone, and your voice will be broadcast through the camera's speaker. Listen to audio from the camera through your NVR or mobile device.

Two-Way Audio, IP66 Weatherproof

2W speaker, hear more clearly; IP66 grade, ready for all weathers



Figure 5.4: Two-way audio communication via the camera.

5.5 Night Vision

The cameras provide 2K resolution night vision with both infrared (IR) and full-color options. The integrated spotlights enable clear color night vision when activated.

- **IR Night Vision:** Automatically activates in low-light conditions, providing black and white video.
- **Color Night Vision:** Achieved by activating the camera's spotlights, providing full-color video even in darkness.

2K Super Clear Color Night Vision

Dual 4MP Image, spotlight see everything in color.

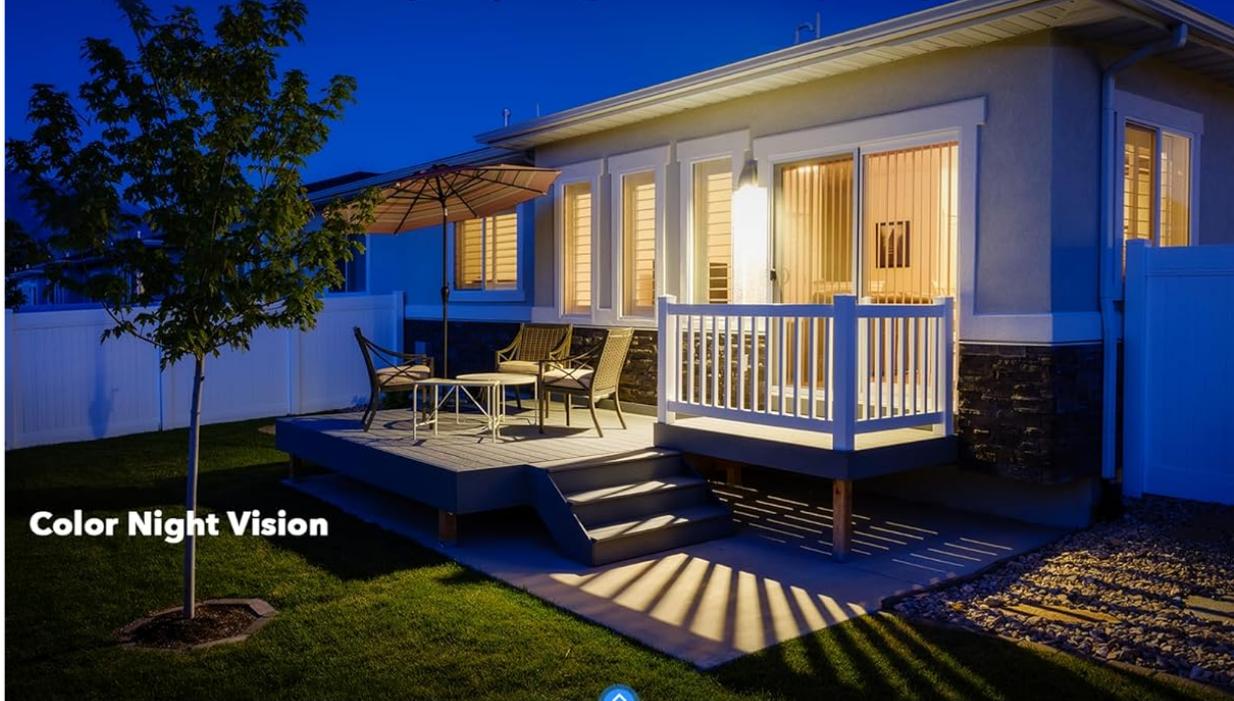


Figure 5.5: Comparison of Color Night Vision and IR Night Vision.

5.6 PTZ Control and Dual Lens View

The PTZ cameras offer flexible viewing angles with 355° pan and 90° tilt capabilities. The dual-lens design provides both a wide-angle fixed view and a controllable PTZ view simultaneously.

- **PTZ Control:** Use the NVR interface or mobile app to remotely adjust the camera's pan and tilt angles.
- **Dual Screen View:** The system can display both the fixed wide-angle view and the PTZ-controlled view on a single screen, ensuring no blind spots.

Dual Lens and Dual Screen Pan/Tilt Camera

All-around Coverage, no blind spots



Figure 5.6: Dual Lens and PTZ camera coverage.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your surveillance system.

- **Clean Camera Lenses:** Periodically wipe camera lenses with a soft, damp cloth to remove dust and smudges. Do not use harsh chemicals.
- **Check Cable Connections:** Ensure all power and network cables are securely connected and free from damage.
- **Software Updates:** Check for firmware updates for the NVR and cameras through the system settings or mobile app to ensure you have the latest features and security patches.
- **HDD Health:** Monitor the health of the 500GB HDD through the NVR settings. Consider backing up

important footage regularly.

- **Weather Protection:** While cameras are IP66 weatherproof, ensure they are installed in locations that minimize direct exposure to extreme weather conditions for extended durability.

7. TROUBLESHOOTING

If you encounter issues with your CAMCAMP SC49XA system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on NVR monitor	Power issue, camera not paired, or NVR display settings.	Ensure NVR and cameras are powered on. Check power adapters. Verify cameras are within range and paired. Check NVR display output settings.
Cannot access remotely via app	NVR not connected to internet, incorrect app settings, or network issues.	Ensure NVR is connected to your router via Ethernet or Wi-Fi. Check router's internet connection. Verify app login details and device addition.
Poor Wi-Fi signal or disconnections	Distance from NVR/router, interference, or physical obstructions.	Relocate cameras closer to the NVR or router. Minimize obstructions. Consider using a Wi-Fi extender if necessary.
Motion detection not working	Incorrect sensitivity settings, detection zone not configured, or environmental factors.	Adjust motion detection sensitivity. Define detection zones. Ensure camera view is clear.
No audio or poor audio quality	Microphone/speaker blocked, volume settings, or network latency.	Ensure microphone and speaker are clear. Check volume settings on NVR/app. Verify network stability.

If the problem persists after trying these solutions, please contact CAMCAMP customer support for further assistance.

8. SPECIFICATIONS

Brand	Camcamp
Model Number	SC49XA
NVR Monitor Size	10.1 inches
NVR Channels	10 Channels
Storage Capacity	500GB HDD (integrated), expandable up to 6TB
Camera Resolution	4 Megapixels (2K Video Recording)
Camera PTZ Range	Pan 355°, Tilt 90°

Camera Lens Angle	110° (fixed wide-angle)
Connectivity	Wired (Ethernet), Wireless (2.4GHz/5GHz Wi-Fi)
Special Features	AI Object Detection, Advanced Motion Detection, Two-Way Audio, Cloud Storage Integration, Remote Access, Color Night Vision, IP66 Weatherproof
Power Type	Cable Electric
Product Dimensions (NVR)	17.78 x 25.4 x 30.48 cm; 2.72 kilograms
Compatible Devices	Cameras, Personal Computers, Laptops, Smartphones, Television

9. WARRANTY AND SUPPORT

CAMCAMP products come with a standard manufacturer's warranty. 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 questions regarding your product, please contact CAMCAMP customer service. Contact information can typically be found on the product packaging or the official CAMCAMP website.

Online Resources:

- Visit the official CAMCAMP website for FAQs, software downloads, and additional support resources.
- Check for updated user manuals or video tutorials online.