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› xmartO SCS-2K104 Wireless Solar Security Camera System User Manual

xmartO BC13-A

xmartO SCS-2K104 Wireless Solar Security Camera System User Manual

Model: BC13-A

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your xmartO SCS-2K104 Wireless Solar Security Camera System. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- (1) 4K 10CH H.265 WiFi NVR with 64GB SD Card
- (4) BC4-SP Security Cameras
- (4) Solar Panels (10ft wire)
- (1) HDMI Cable
- (4) Mounting Hardware Bags
- (1) User Manual
- (2) Surveillance Stickers
- (2) USB Type C Charging Cables

Package Includes



10-channel WiFi NVR

x1



BC4 Wire-free Camera

x4



SP2 Solar Panel
(with 10ft type C cable)

x4



HDMI Cable

x1



12V 2A Power Adapter
for NVR

x1



3ft Ethernet Cable

x1



USB Type-C
Charging Cable

x2



USB Mouse

x1



User Guide

x1



Mounting Kits

x8



Surveillance Sticker

x2

Image: All components included in the xmartO SCS-2K104 system package.

3. KEY FEATURES

3.1. Wire-Free Installation & Solar Power

The system features wire-free solar security cameras equipped with 9000mAh automotive-grade rechargeable batteries and all-weather solar charging technology. Solar panels continuously replenish power, eliminating the need for frequent recharging. Cameras can also be charged via 5V USB for wired monitoring.

Wire-Free Installation

Easy Install Anywhere



9000MAH Automotive-Grade Rechargeable Batteries

Please install the cameras within your NVR/router's WiFi range to ensure a stable connection.

Image: A wire-free smartO camera with its solar panel mounted on a tree, illustrating easy installation.

3.2. Long Range WiFi 6 Connectivity

The system utilizes WiFi 6 dual-band technology, allowing cameras to maintain a reliable connection up to 1300ft (400m) from the NVR in line of sight. This extended range provides flexible camera placement options for comprehensive coverage.

Long Range WiFi Security System

Self-built-in dual WiFi routers in NVR, the cameras work with their own WiFi without using your home WiFi.

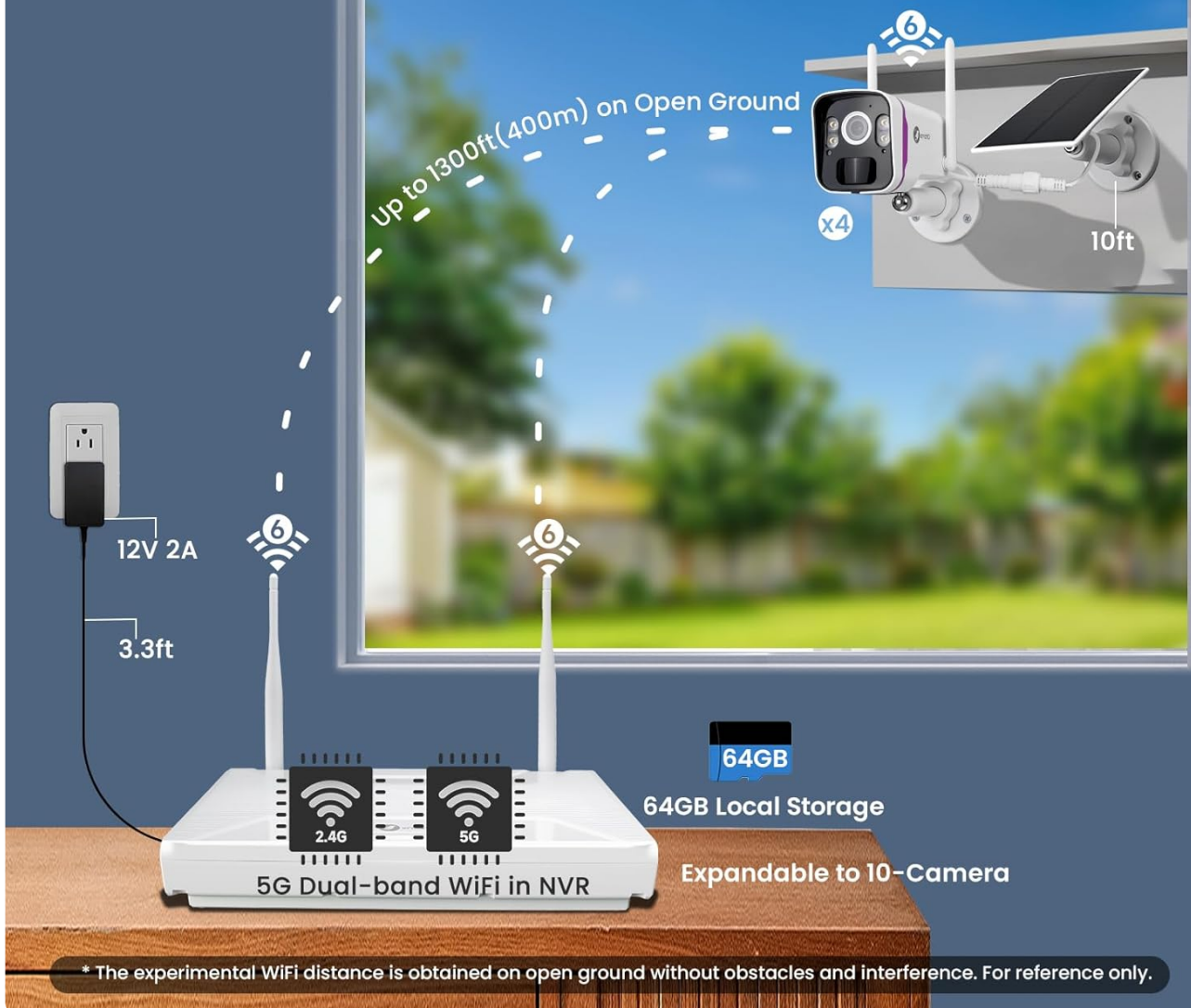


Image: Illustration of the NVR's dual-band WiFi 6 capabilities providing long-range connectivity to cameras.

3.3. 4MP 2K QHD Video & Dual Night Vision

The 4MP 2K QHD cameras capture sharp, clear footage day and night. Integrated 4-in-1 IR and floodlight LEDs provide up to 150ft crystal-clear black & white night vision in total darkness and up to 20ft color night vision when floodlights are active. Light modes can be switched via the smartO app.

4MP Quad HD Videos

2x the Clarity of 1080p, Day and Night

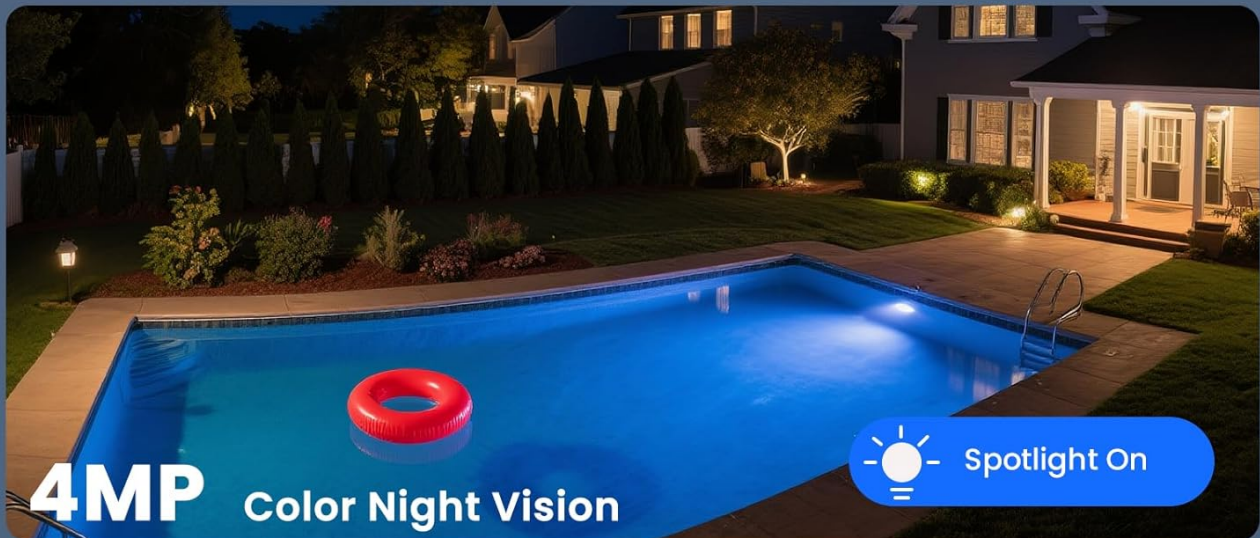


Image: Visual comparison demonstrating the clarity of 4MP black & white IR night vision and color night vision with floodlights.

3.4. Smart PIR Detection & Two-Way Audio

PIR sensors minimize false alerts by detecting thermal changes from people, vehicles, and animals. Instant alerts with snapshot previews are sent to the smartO app. The system also includes two-way audio and a siren alarm for real-time communication and deterrence.

Thermal Human & Heat Detection



Image: Depiction of thermal human detection triggering app alerts and the use of two-way audio and siren.

Video: An overview of the smartO solar security camera system, highlighting its features like thermal detection and two-way audio.

3.5. Local Storage & Remote Viewing

The system comes with 64GB local storage, capable of storing approximately 120 days of event videos. Storage is expandable up to 6TB SATA HDD. Remote viewing and sharing are available through the smartO app on multiple devices for unlimited family members.

View from Anywhere Anytime

Share Cameras with Families



Image: A world map illustrating the ability to view camera feeds remotely from anywhere, anytime, on different devices.

Video: Demonstrates the WiFi 6 Wire-Free Solar Home Security Camera System's features, including remote access and alerts.

4. SETUP GUIDE

4.1. Initial Setup

The smartO system is designed for plug-and-play operation. Follow these steps for initial setup:

1. **Connect NVR:** Plug the NVR into a power source using the provided power adapter. Connect the NVR to a monitor or TV using the HDMI cable.
2. **Connect Mouse:** Plug the USB mouse into one of the NVR's USB ports.
3. **Power On Cameras:** Ensure cameras are fully charged (recommended overnight via USB-C cable before first use). Power on each camera.
4. **Automatic Pairing:** The cameras are pre-paired with the NVR. Once powered on, they should automatically connect and display video feeds on the connected monitor.

The NVR

NVR Antennas

Indicator

Micro SD Card Slot

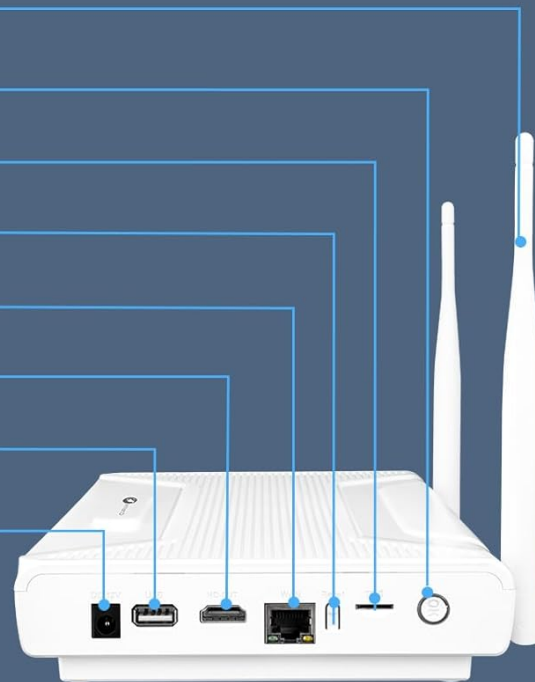
Reset

RJ-45 (Ethernet) Port

HDMI Video Output

USB Port

12V DC in



64GB SD Card
(past 90+ days event videos)

Speaker

HDD Dock
(support up to 6TB HDD)

Image: Detailed view of the NVR's ports, including HDMI, USB, Ethernet, and power input.

4.2. Camera Installation

Cameras can be installed indoors or outdoors. Choose a location that provides optimal viewing angles and sufficient sunlight for the solar panel.

- **Mounting:** Use the provided mounting hardware bags to secure the camera brackets to a wall or ceiling.
- **Solar Panel Connection:** Connect the solar panel's 10ft wire to the camera's USB-C charging port. Ensure the connection is secure and the waterproof cap is tightened.
- **Positioning:** Adjust the camera and solar panel angles to maximize sunlight exposure and capture the desired surveillance area.

Video: Demonstrates the wire-free installation process of the smartO solar security camera system.

5. OPERATING INSTRUCTIONS

5.1. smartO App Usage

Download the smartO app (WallPixel) from the App Store or Google Play for remote access and control.

- **Live View:** Access real-time video feeds from all connected cameras.
- **Playback:** Review recorded event videos stored on the NVR's SD card or optional HDD.
- **Two-Way Audio:** Communicate with visitors or deter intruders using the built-in microphone and speaker.
- **Siren Alarm:** Activate the siren directly from the app to ward off unwanted individuals.
- **Alerts:** Receive instant push notifications on your smartphone when motion is detected.

5.2. Alexa Integration

The xmartO system is compatible with Amazon Alexa. Use voice commands to view camera feeds on compatible Alexa-enabled devices (e.g., Echo Show).

- **Voice Command Example:** "Alexa, show me the front door camera."

6. MAINTENANCE

- **Solar Panel Cleaning:** Periodically clean the solar panels to ensure maximum sunlight absorption.
- **Battery Monitoring:** Monitor battery levels via the xmartO app. If solar charging is insufficient due to prolonged cloudy weather, manually charge cameras via USB-C.
- **Storage Management:** The 64GB SD card provides ample storage. For extended recording or continuous recording, consider installing a compatible SATA HDD (up to 6TB) in the NVR.

7. TROUBLESHOOTING

- **No Video Feed:** Ensure cameras are powered on and within range of the NVR. Check NVR connections to power and monitor.
- **Poor Connectivity:** Relocate cameras closer to the NVR or adjust NVR antenna positions. Ensure no major obstructions are blocking the signal.
- **Battery Not Charging:** Verify solar panel is clean and receiving direct sunlight. Check USB-C cable connection.
- **False Alerts:** Adjust PIR sensitivity settings in the xmartO app to reduce triggers from environmental factors like moving trees or rain.
- **App Issues:** Ensure the xmartO app is updated to the latest version. Restart the app or your smartphone.

8. SPECIFICATIONS

Feature	Specification
Brand	xmartO
Model Name	SCS-2K104
Model Number	BC13-A
Connectivity Technology	Wi-Fi 6 Dual Band, Wireless
Video Capture Resolution	4MP 2K QHD
Night Vision	IR B&W and Flood Lights Color Vision (up to 150ft)
Power Source	Solar & Automotive-Grade Rechargeable Battery Powered
Local Storage	64GB Micro SD (expandable up to 6TB SATA HDD)
Two-Way Audio	Yes
Motion Detection	PIR (Passive Infrared)
Indoor/Outdoor Usage	Indoor, Outdoor (IP66 Waterproof Rating)
Compatible Devices	Alexa, Android, Windows PC, iPhone, iPad, Mac

9. WARRANTY AND SUPPORT

xmartO provides comprehensive support for its products:

- **Manufacturer Warranty:** This product comes with a 1-Year Limited Warranty.
- **Money Back Guarantee:** Enjoy a 30-Day Money Back Guarantee and Free Return.
- **Customer Support:** For any inquiries or assistance, xmartO offers 24/7 Online Support 1-on-1. Please refer to the contact information provided in the product packaging or on the official xmartO website.