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› Rraycom BW4Plus Solar Security Camera User Manual

Rraycom BW4Plus

Rraycom BW4Plus Solar Security Camera User Manual

Model: BW4Plus-SP-3pc

1. INTRODUCTION

Thank you for choosing the Rraycom BW4Plus Solar Security Camera. This manual provides essential information for setting up, operating, and maintaining your security camera system. Please read it carefully before use to ensure proper functionality and to maximize your product's lifespan. This system offers 2K QHD resolution, color night vision, two-way audio, and is powered by a hybrid solar and battery system, designed for reliable outdoor surveillance.

2. PRODUCT OVERVIEW AND FEATURES

The Rraycom BW4Plus camera is engineered for comprehensive home security, combining advanced technology with user-friendly design.



Image: Overview of Raycom BW4Plus Solar Security Camera highlighting key features.

Key Features:

- **Hybrid Power System:** Integrated solar panel and 12000mAh rechargeable battery for extended operation, up to 6 months standby.
- **2K QHD Resolution:** Delivers clear and detailed video footage.
- **Color Night Vision:** Provides vibrant images even in low-light conditions.
- **IP66 Weatherproof:** Ensures dust-tight security and protection against intense rain.
- **120° Wide-Angle Lens:** Offers a broad field of view for comprehensive monitoring.
- **Two-Way Audio:** Enables real-time communication through the camera.
- **PIR Motion Detection:** Advanced sensor for accurate movement detection and instant alerts.
- **Active Deterrence:** Features a real-time siren and strobe light to deter intruders.
- **Flexible Storage:** Supports free 1-day cloud loop recording and local storage via microSD card (up to 256GB).
- **Alexa Voice Control:** Compatible with Amazon Alexa for convenient control.

- **Device Sharing:** Allows sharing camera access with up to four users.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Rraycom BW4Plus Solar Security Camera Units (3 units for this model)
- Solar Panels (integrated or separate, depending on model variant)
- Mounting Brackets and Screws
- USB Charging Cable
- User Manual

4. SETUP GUIDE

4.1 Initial Charging

Before first use, fully charge the camera's internal battery using the provided USB cable. Connect the cable to the camera's charging port and a standard 5V/2A USB power adapter (not included). The charging indicator light will show the charging status.

4.2 App Download and Installation

The Rraycom BW4Plus camera operates with a dedicated mobile application. Search for the 'O-KAM' app on the Apple App Store (for iOS devices) or Google Play Store (for Android devices) and install it on your smartphone.

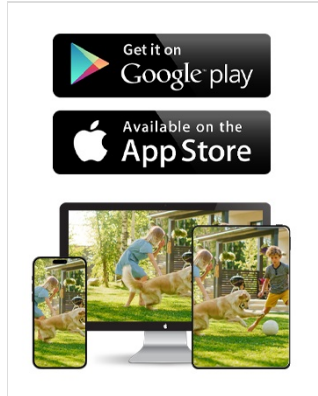


Image: Download the companion app from Google Play or the App Store.

4.3 Device Pairing

Follow these steps to pair your camera with the mobile application:

1. Open the 'O-KAM' app and create an account or log in.
2. Tap the '+' icon to add a new device.
3. Select your camera model from the list.
4. Power on the camera. Ensure the camera's indicator light is flashing, indicating it's ready for pairing.
5. Connect your smartphone to a **2.4GHz Wi-Fi network**. The camera does not support 5GHz Wi-Fi.
6. Enter your Wi-Fi network name and password into the app.
7. The app will generate a QR code. Position your camera approximately 6-8 inches (15-20 cm) in front of your phone screen, allowing the camera to scan the QR code.

8. Once the camera successfully scans the QR code, you will hear a confirmation sound. Follow the in-app prompts to complete the pairing process.

Your browser does not support the video tag.

Video: Step-by-step guide on how to add the BW4Plus Camera to the mobile application.

4.4 Mounting the Camera

Choose a suitable location for your camera, ensuring the solar panel receives adequate direct sunlight for optimal charging. Mount the camera using the provided screws and brackets. Adjust the camera angle to cover your desired surveillance area.



Image: Example of easy and simple installation of the security camera.

5. OPERATING INSTRUCTIONS

5.1 Live View

Open the 'O-KAM' app and select your camera from the device list to access the live video feed. You can monitor your property in real-time from anywhere.

5.2 Two-Way Audio

While in live view, tap the microphone icon in the app to speak through the camera. Tap the speaker icon to listen to audio from the camera's location. This feature allows for communication with visitors or deterrence of unwanted guests.

5.3 Motion Detection and Alerts

The camera uses a PIR sensor for motion detection. When motion is detected, the camera will:

- Send instant alerts to your smartphone.
- Activate a real-time siren and strobe light (if enabled in settings) to deter intruders.
- Record motion-triggered video clips (up to 3 minutes).

You can customize motion detection sensitivity and alert settings within the app.



Image: Motion detection features including strobe alarm, siren, and push notifications.

5.4 Night Vision

The camera features advanced full-color night vision technology, ensuring clear and vibrant images even in complete darkness. It also supports infrared night vision for discreet monitoring.



Image: Demonstration of 2K Color Night Vision and Infrared Night Vision.

5.5 Storage Options

Your Raycom BW4Plus camera offers flexible storage solutions:

- **Cloud Storage:** Enjoy free 1-day cloud loop recording without monthly fees.
- **MicroSD Card Storage:** Insert a microSD card (up to 256GB, not included) for local storage of recordings. No subscription is required for local storage.

All data is safeguarded with AES encryption for privacy and security.



Image: Cloud and MicroSD card storage options.

5.6 Alexa Integration

The camera can be voice-controlled with Amazon Alexa. To enable this feature, link your 'O-KAM' account with your Alexa app. You can then use commands like, "Alexa, show me the door camera" to view the live feed on compatible Alexa devices.



Support Alexa



Alexa, show me the door camera

Image: Raycom camera supporting Alexa voice commands.

5.7 Device Sharing

You can share access to your camera's live feed and recordings with family members or trusted individuals. The app allows sharing with up to four users simultaneously, enabling collaborative home security.



Image: Multiple users sharing access to the camera feed.

6. MAINTENANCE

6.1 Cleaning

- Regularly clean the solar panel surface to ensure maximum sunlight absorption. Dust and debris can reduce charging efficiency.
- Wipe the camera lens with a soft, clean cloth to maintain clear image quality. Avoid abrasive materials or harsh chemicals.

6.2 Battery Care

- While the solar panel charges the battery, extreme weather or prolonged low-light conditions may require manual charging via USB.
- The 12000mAh battery is designed to provide approximately 72,000 seconds of motion-triggered video recording. Under ideal conditions, with 60 daily triggers recording 10-second videos each time, it can stay on standby for up to 180 days.
- The 3W solar panel charges at approximately 140mAh per hour. Actual performance may vary based on usage and environmental factors.

6.3 Firmware Updates

Periodically check the 'O-KAM' app for available firmware updates. Keeping your camera's firmware updated ensures optimal performance, security, and access to new features.

7. TROUBLESHOOTING

If you encounter issues with your Rraycom BW4Plus camera, refer to the following common problems and solutions:

Problem	Possible Solution
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Problem	Possible Solution
Camera not connecting to Wi-Fi	• Ensure your Wi-Fi network is 2.4GHz. • Verify Wi-Fi password accuracy. • Move the camera closer to the Wi-Fi router. • Reset the camera and try pairing again.
Poor battery life	• Ensure the solar panel receives direct sunlight for several hours daily. • Reduce motion detection sensitivity or frequency of recordings. • Manually charge the camera via USB if solar charging is insufficient.
Motion detection not working or too sensitive	• Adjust PIR sensitivity settings in the app. • Ensure there are no obstructions in the camera's field of view that could cause false alarms (e.g., swaying branches). • Check the camera's angle and placement.
No recording to MicroSD card	• Ensure the MicroSD card is correctly inserted. • Check if the card is formatted correctly (FAT32 recommended). • Verify the card is not full. • Try a different MicroSD card.
Poor image quality	• Clean the camera lens. • Ensure stable Wi-Fi connection for optimal streaming quality. • Check app settings for video resolution.

8. SPECIFICATIONS

Feature	Detail
Model Name	BW4PLUS
Connectivity Technology	Wireless (Wi-Fi 2.4GHz)
Video Capture Resolution	2K QHD (2560x1440p)
Night Vision	Color Night Vision
Battery Capacity	12000mAh
Power Source	Solar Powered
Waterproof Rating	IP66
Storage Options	Cloud (1-day free loop), MicroSD (up to 256GB)

Feature	Detail
Audio	2-Way Audio
Motion Detection	PIR Sensor, AI Motion Detection
Compatible Devices	Android, iOS, Amazon Alexa
Mount Type	Wall Mount
Item Weight	1.91 kg (for 3-pack)
Unit Count	3 Count

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Rraycom BW4Plus camera is designed for durability and performance. The 12000mAh battery is rated to provide approximately 72,000 seconds of motion-triggered video recording. Under ideal conditions, with 60 daily triggers recording 10-second videos each time, it can stay on standby for up to 180 days. The 3W solar panel charges at approximately 140mAh per hour. Please note that actual performance may vary depending on real-world usage scenarios and environmental factors.

9.2 Customer Support

For any questions, technical assistance, or support needs, please contact Rraycom customer service:

- **Email:** aftersale@rraycom.com

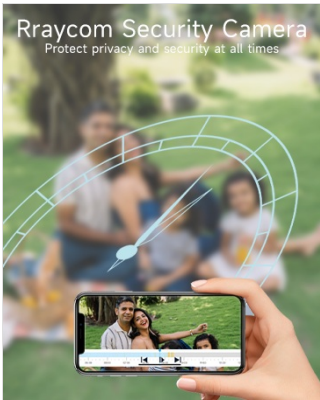


Image: Raycom customer service contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question