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› [Raycom BW4N Wireless Security Camera User Manual](#)

Raycom BW4N

Raycom BW4N Wireless Security Camera User Manual

Model: BW4N-B-4pack

1. INTRODUCTION

Thank you for choosing the Raycom BW4N Wireless Home/Outdoor Security Camera system. This manual provides comprehensive instructions for setting up, operating, and maintaining your security cameras to ensure optimal performance and peace of mind. The Raycom BW4N offers 5MP resolution, AI motion detection, color night vision, two-way talk, and flexible storage options, designed for both indoor and outdoor surveillance.



Image 1.1: Four Raycom BW4N wireless security cameras included in the pack.

2. PRODUCT OVERVIEW

2.1 Key Features

- **5MP 2.7K Resolution:** Provides clear and detailed video footage.
- **AI Motion Detection:** Utilizes infrared sensor technology and cloud image analysis for real-time motion detection and alerts, with customizable detection zones.
- **Color Night Vision:** Offers full-color night vision and infrared night vision modes with a visible range of up to 33ft.
- **Two-Way Talk:** Enables real-time communication through the camera.
- **Wireless & Battery Powered:** Equipped with a 5200mAh rechargeable battery, offering 1 to 6 months of operation on a full charge depending on usage.
- **IP66 Waterproof:** Designed for outdoor use, resistant to harsh weather conditions.

- **Flexible Storage:** Supports free 3-day rolling cloud storage and local storage via Micro SD card (up to 256GB, not included).
- **Works with Alexa:** Compatible with Amazon Alexa for voice control and live view.



Image 2.1: Overview of Raycom BW4N camera features.

2.2 Package Contents

The Raycom BW4N-B-4pack includes:

- 4 x Raycom BW4N Wireless Security Cameras
- 4 x Mounting Brackets
- Mounting Screws and Wall Plugs
- USB Charging Cable
- User Manual

3. SETUP

3.1 Charging the Camera

Before initial use, fully charge the camera's 5200mAh battery. Connect the camera to a 5V/2A USB power adapter (not included) using the provided USB charging cable. The charging indicator light will show the charging status. A full charge can take several hours.

Note: Battery life varies based on device settings, actual usage, and environmental factors.

3.2 App Installation and Account Setup

1. Download the **[O-KAM] APP** from the App Store (iOS) or Google Play Store (Android).
2. Open the O-KAM app and follow the on-screen instructions to create a new account or log in if you already have one.

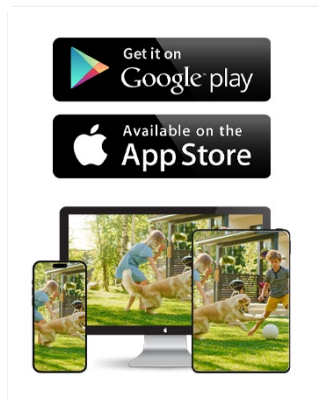


Image 3.1: Download the O-KAM app from your device's app store.

3.3 Adding the Camera to the App

1. In the O-KAM app, tap the "+" icon to add a new device.
2. Select your camera model (BW4N) from the list.
3. Follow the in-app instructions to connect the camera to your **2.4GHz WiFi network**. (5GHz WiFi is not supported).
4. Scan the QR code displayed on your phone screen with the camera lens.
5. Once connected, name your camera and complete the setup process.

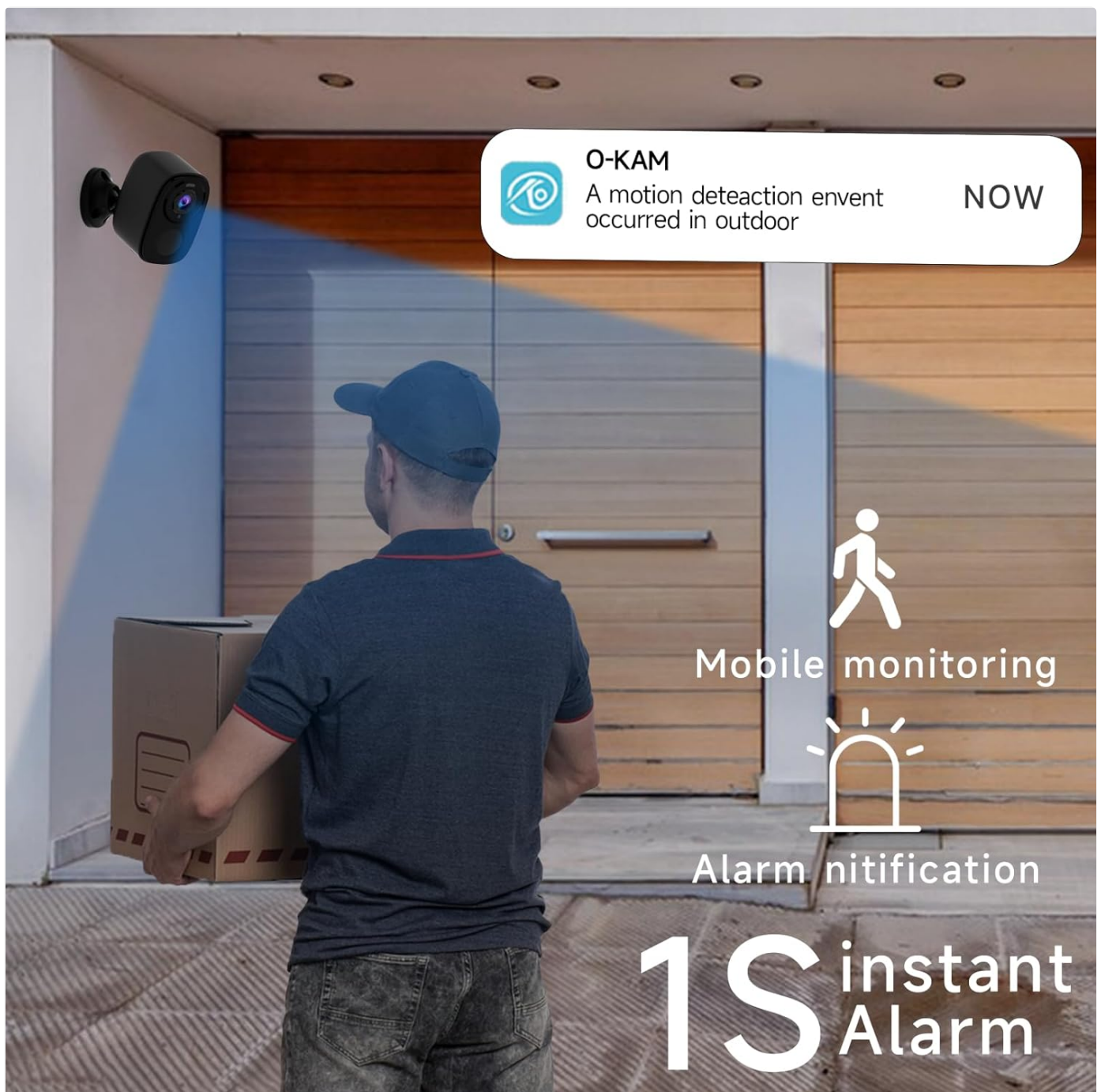
3.4 Camera Placement and Installation

The Raycom BW4N camera can be installed almost anywhere, including shops, offices, homes, garages, yards, and both outdoor and indoor locations. It is designed for easy setup, typically taking about 5 minutes.

- Choose a location that provides the desired viewing angle and is within range of your 2.4GHz WiFi network.
- Use the included mounting bracket and screws to securely attach the camera to a wall or other suitable surface.
- Ensure the camera is positioned to capture the area of interest, considering the 120-degree viewing angle.



Image 3.2: Example of camera placement on a home exterior.



4. OPERATING THE CAMERA

4.1 Live View and Recording

Access live video streams from your camera anytime through the O-KAM app. You can view real-time monitoring from every corner of your property.



Image 4.1: House security overview in the O-KAM app, allowing real-time monitoring from various locations.

4.2 Motion Detection and AI Recognition

The camera uses advanced PIR motion detection and AI recognition to differentiate between people and objects, reducing false alarms. You will receive instant alerts to your smartphone when motion is detected.

- **Customizable Detection Zones:** Set specific areas within the camera's view where you want motion to be detected, ensuring you only receive notifications for relevant events.
- **Human Filtering:** The AI system helps filter out non-human movements, focusing on important activity.

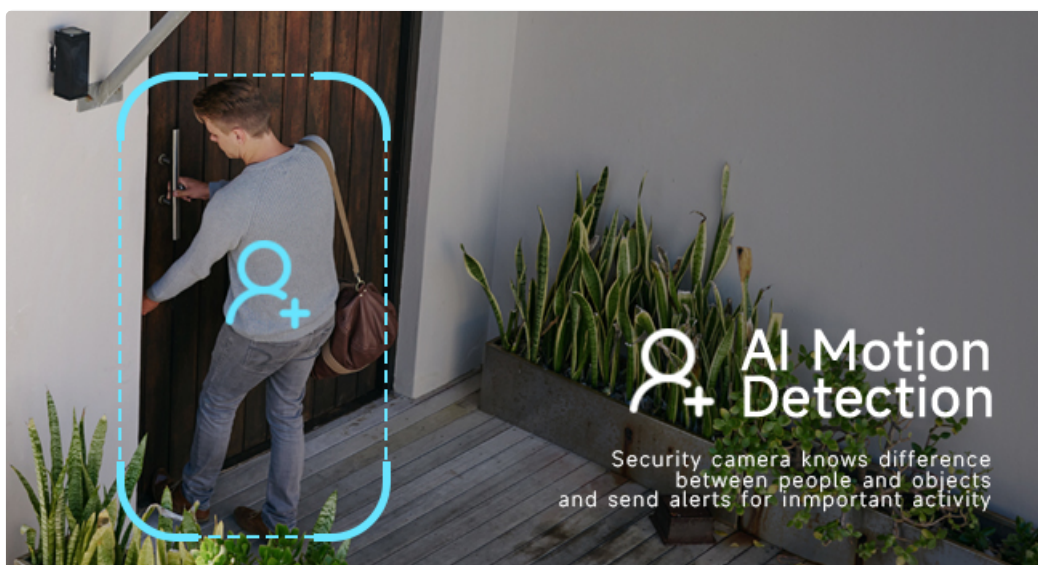


Image 4.2: AI Motion Detection identifies human activity.



Image 4.3: Customize monitoring areas to reduce false alerts.

4.3 Two-Way Audio

The built-in microphone and speaker allow for two-way communication. You can speak to visitors or deter intruders directly through the camera using the O-KAM app.

Two-Way Audio

Real time communication with your friends



Image 4.4: Engage in real-time communication with two-way audio.



Image 4.5: Multiple users can share and watch the camera feed simultaneously, enabling interactive communication.

4.4 Night Vision Modes

The camera offers two night vision modes to ensure clear visibility in low light conditions:

- **Full-Color Night Vision:** Provides vivid, color images even in the dark, utilizing the camera's spotlight.
- **Infrared Night Vision:** Offers clear black-and-white footage in complete darkness.



Image 4.6: Compare 5MP Color Night Vision and Infrared Night Vision for optimal nighttime surveillance.

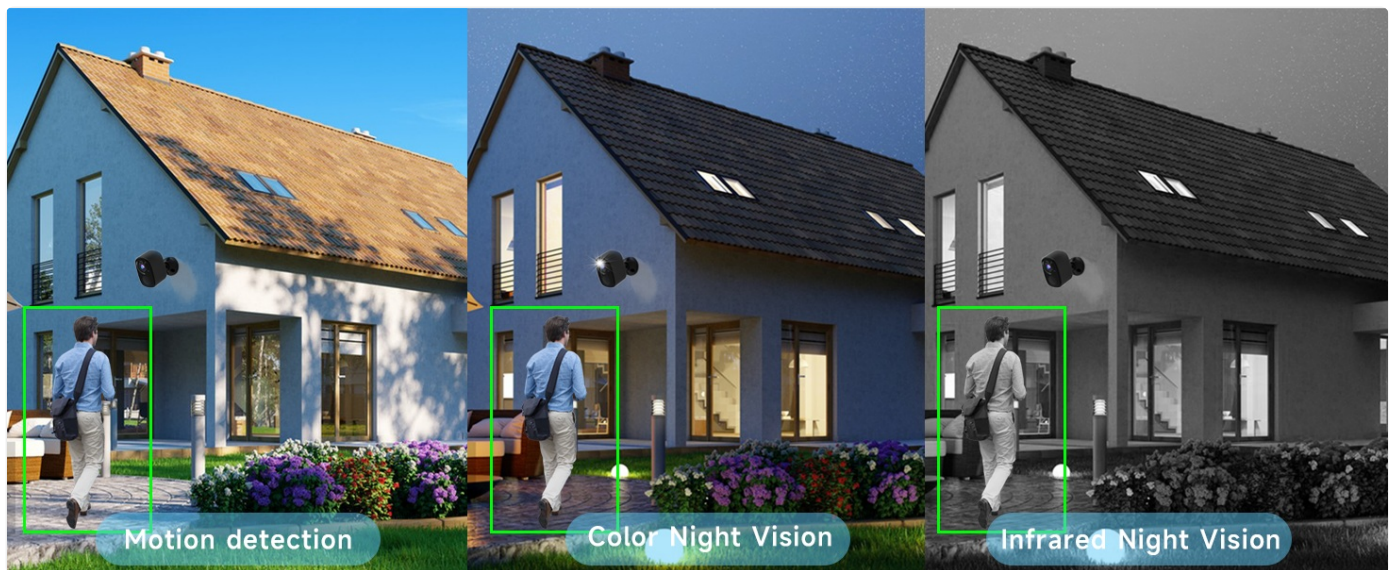


Image 4.7: The camera supports motion detection, color night vision, and infrared night vision.

4.5 Siren Alarm and Spotlight Warning

The camera features a built-in siren and spotlight that can be activated manually or automatically upon motion detection to deter unwanted visitors.

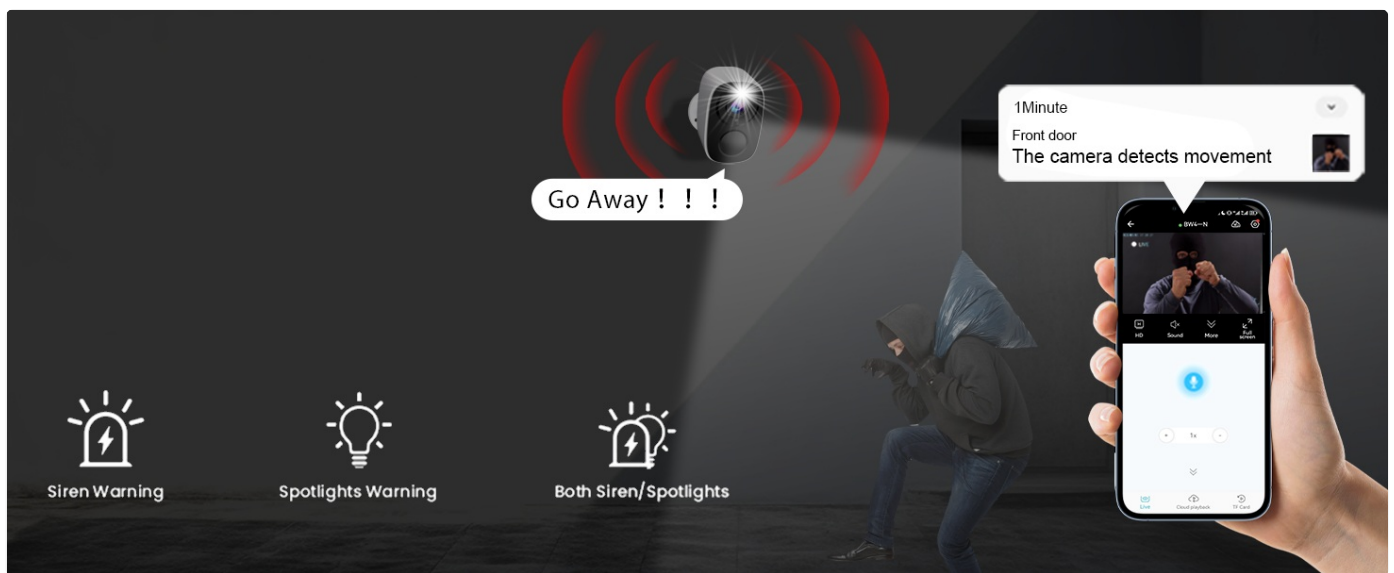


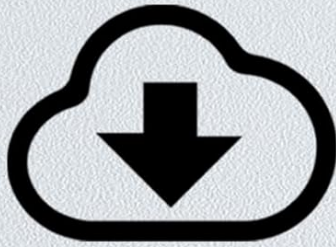
Image 4.8: Deter intruders with siren and spotlight warnings.

4.6 Storage Options

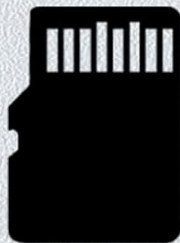
Your Raycom camera offers versatile storage solutions:

- **Free Cloud Storage:** Enjoy free 3-day rolling cloud storage for life, with no subscription needed.
- **Micro SD Card Storage:** Insert a Micro SD card (up to 256GB, not included) for local video storage.

Save the key moments in cloud or SD Card



Free 3-days
Cloud Playback Lifetime



Supports up to
256GB Micro SD Card



Image 4.9: Save important moments to cloud or SD card.



4.7 Alexa Integration

The Raycom BW4N camera is compatible with Amazon Alexa, allowing you to view live feeds using voice commands on compatible Alexa-enabled devices.

- Link your O-KAM account with your Alexa account through the Alexa app.
- Use commands like "Alexa, show me the front door camera" or "Alexa, show me the backyard camera" to view live feeds.

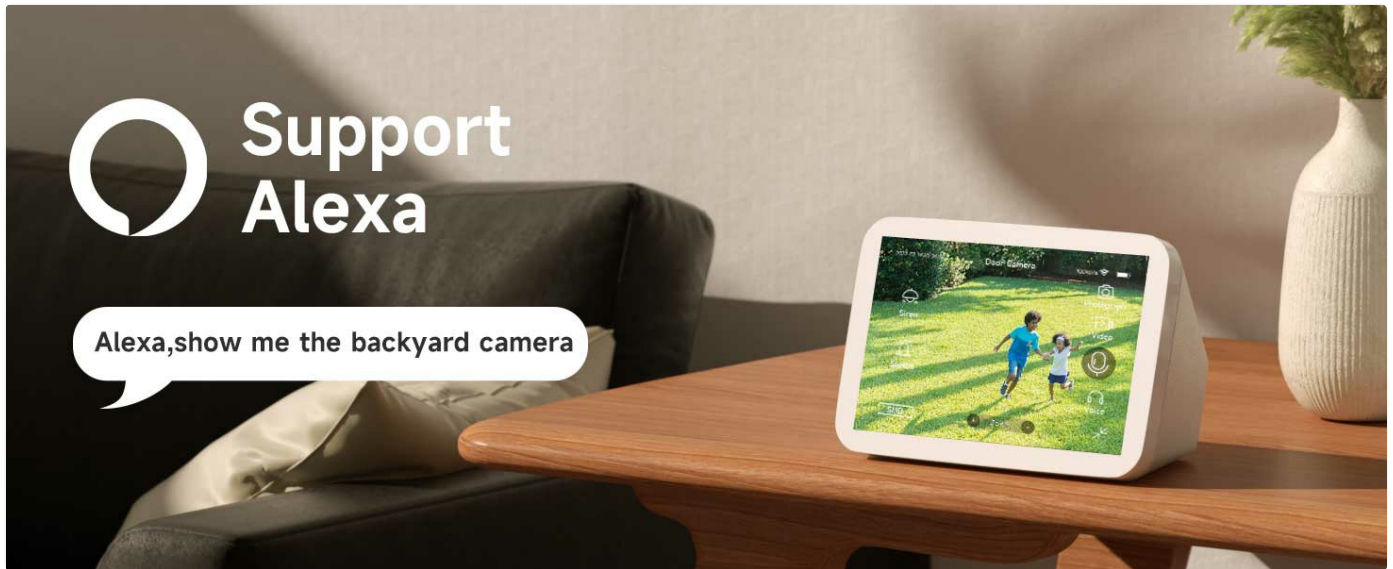


Image 4.11: Seamless integration with Amazon Alexa for convenient monitoring.

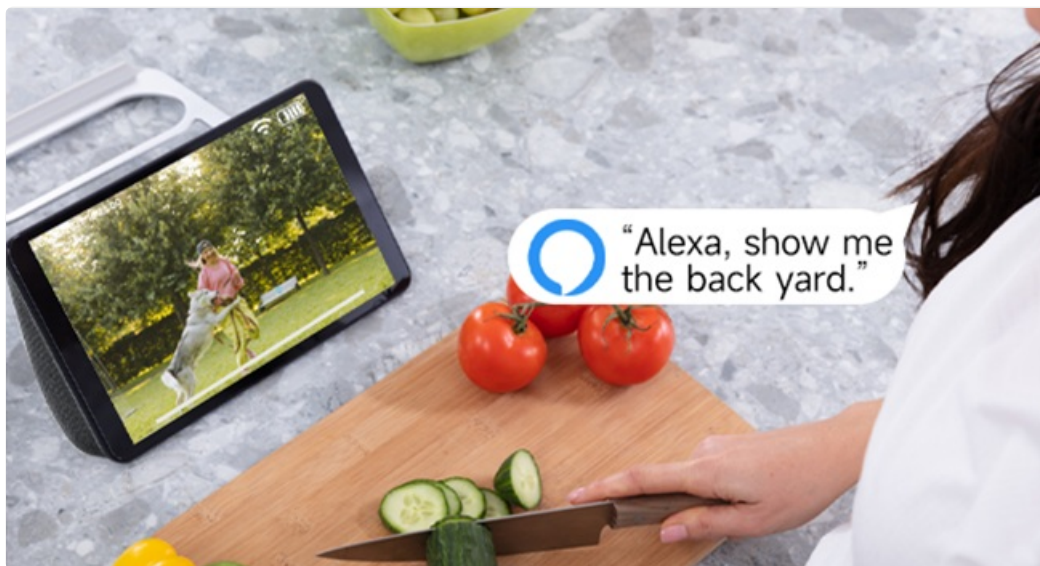


Image 4.12: View your camera feed on Alexa-enabled devices.

4.8 Video Demonstration

Your browser does not support the video tag.

Video 4.1: A demonstration of the Raycom BW4N wire-free camera's features, including its 5MP resolution, waterproof design, ease of mounting, night vision capabilities, activity zone setup, two-way audio, multi-user sharing, human filtering, Alexa compatibility, and cloud/local storage options.

5. MAINTENANCE

5.1 Battery Management

- Monitor battery levels regularly through the O-KAM app.
- Recharge the camera promptly when the battery is low to ensure continuous operation.
- For optimal battery life, avoid extreme temperatures during charging and operation.

5.2 Cleaning the Camera

- Gently wipe the camera lens and body with a soft, dry cloth to remove dust and smudges.
- Do not use liquid cleaners or abrasive materials, as they may damage the camera.

5.3 Firmware Updates

Periodically check the O-KAM app for available firmware updates. Keeping your camera's firmware up-to-date ensures you have the latest features and security enhancements.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi	Incorrect Wi-Fi password; Camera too far from router; Only 5GHz Wi-Fi available.	Ensure correct password. Move camera closer to router. Confirm your Wi-Fi is 2.4GHz.
Frequent false alarms	Detection zone too wide; Environmental factors (e.g., moving branches, shadows).	Adjust detection zones in the app. Enable human filtering if available.
Poor night vision quality	Obstructions in front of lens; Insufficient ambient light for color night vision.	Clear any obstructions. Ensure adequate lighting for color night vision or switch to infrared mode.
Two-way audio issues	Microphone/speaker blocked; App volume too low; Network latency.	Check for obstructions. Adjust volume settings in app. Ensure stable network connection.
Battery drains quickly	Frequent motion detection; Live view usage; Extreme temperatures.	Reduce motion detection sensitivity/frequency. Limit live view. Operate within recommended temperature range.

7. SPECIFICATIONS

Feature	Detail
Model Name	BW4N
Video Capture Resolution	5 MP (2560*1920P)
Connectivity Technology	Wireless (2.4GHz Wi-Fi only)
Power Source	Battery Powered (5200mAh rechargeable battery)
Indoor/Outdoor Usage	Outdoor, Indoor
Waterproof Rating	IP66
Viewing Angle	120 Degrees

Feature	Detail
Night Vision Range	Up to 33 Feet
Storage Options	Micro SD Card (up to 256GB, not included), Free 3-day Cloud Storage
Compatible Devices	Android & iOS (O-KAM App), Amazon Alexa
Material	Acrylonitrile Butadiene Styrene (ABS)
Item Weight	2.68 pounds (for 4-pack)
Package Dimensions	10.47 x 9.17 x 2.95 inches

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Raycom products come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Raycom website for detailed warranty terms and conditions.

8.2 Customer Service

If you have any questions, encounter issues, or require technical assistance with your Raycom BW4N security camera, please contact our customer service team:

Email: aftersale@rraycom.com

You can also find contact information and FAQs on the Raycom brand store on Amazon or the official website.



Image 8.1: Contact Raycom customer service for assistance.



<div> Rraycom User Manual </div> <div> (QW6) </div>	<div> Rraycom QW6 Wireless Security Camera User Manual </div> <div> A comprehensive user manual for the Rraycom QW6 wireless security camera. This guide covers initial setup, app installation and registration, adding the camera, Wi-Fi configuration, and detailed explanations of app features like multi-device view, firmware updates, device sharing, rotation control, cruise and guard positions, and AI functions such as humanoid tracking and framing. Includes customer service information and a packing list. </div>
<div> Rraycom User Manual </div> <div> (QW5) </div>	<div> Rraycom QW5 User Manual - Setup, Features, and Support </div> <div> Comprehensive user manual for the Rraycom QW5 security camera, covering setup, app registration, adding cameras, firmware updates, sharing, and advanced features like AI and cruise control. Includes customer support information. </div>
<div> Wire-Free Camera Operation Instruction </div> <div> (BW5) </div>	<div> Rraycom BW5 Wire-Free Camera Operation Instruction & Quick Start Guide </div> <div> Detailed operation instructions and a quick start guide for the Rraycom BW5 wire-free security camera, covering setup, app registration, device pairing, and feature usage. </div>
<div> Rraycom User Manual </div> <div> (P4) </div>	<div> Rraycom P4 User Manual: Setup, Features, and Support </div> <div> Comprehensive user manual for the Rraycom P4 camera. Learn how to set up your device, connect to Wi-Fi, use the O-KAM app for features like AI tracking and remote viewing, and find customer support information. </div>
<div> Wire-Free Camera Operation Instruction </div> <div> (BW4-Plus) </div>	<div> Rraycom BW4-Plus Wire-Free Camera Operation and Setup Guide </div> <div> Detailed instructions for setting up and operating the Rraycom BW4-Plus wire-free camera, including packing list, appearance details, quick start guide, app functions, monitoring, and device sharing. </div>
<div> Rraycom User Manual </div> <div> (QW5) </div>	<div> Rraycom QW5 Security Camera User Manual and Setup Guide </div> <div> Comprehensive user manual for the Rraycom QW5 security camera, covering setup, app usage, features like AI tracking, firmware updates, and customer support. Learn how to install and operate your Rraycom camera. </div>