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Rraycom BW4

Rraycom BW4 2K Wireless Outdoor/Indoor Security Camera Instruction Manual

Model: BW4

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Rraycom BW4 2K Wireless Outdoor/Indoor Security Camera. This camera system offers advanced features including 2K UHD video, dual-band 2.4G & 5G WiFi connectivity, full-color night vision, AI detection, two-way audio, spotlight, siren alarm, and compatibility with Alexa. Designed for both indoor and outdoor use with an IP65 waterproof rating, it ensures comprehensive home security.

2. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present:

- 4 x Rechargeable Battery Security Cameras
- 4 x Metal Mounts
- 4 x Screws Sets (for mounting)
- 4 x USB Cables (for charging)
- 1 x User Manual

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Video: A user unboxes the Rraycom BW4 camera, showing the camera unit, mounting hardware, USB cable, and user manual. This video demonstrates the contents of the package.

3. SETUP GUIDE

3.1 Initial Charging

Before first use, fully charge each camera using the provided USB cable. The camera features a 5200 mAh battery.

3.2 App Download and Installation

Download the "O-Kam Pro" app from your device's app store (Android & iOS compatible). Follow the in-app instructions to create an account.

New Upgraded Features



2.4G/5G



Bluetooth



IP65
Waterproof



2K QHD



Free Person
Detection



Color Night
Vision



Two-way
Talk



Siren
Alarm



2025 New

Image: The Raycom BW4 camera highlighting its key features including dual-band WiFi, 2K QHD resolution, IP65 waterproofing, and smart detection capabilities.

3.3 Camera Pairing and Connection

1. Open the O-Kam Pro app and select "Add a new device".
2. Scan the QR code located on the camera unit using your smartphone.
3. Follow the on-screen prompts to connect the camera to your 2.4G or 5G WiFi network.
4. Once connected, the camera will emit a "beep" sound, and the app will confirm successful pairing.

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Video: This video demonstrates the process of setting up AI motion detection and human filtering through the Raycom security camera app. It shows how to navigate the app settings to enable these features, which is part of the initial app setup.

3.4 Installation Guidelines

For optimal performance and detection accuracy, consider the following:

- **Recommended Height:** Install the camera at approximately 7 feet (2.1 meters) from the ground.
- **Downward Angle:** Position the camera with a downward angle of 15-30 degrees.
- **Motion Path:** Ensure that subjects move horizontally across the camera's field of view for best detection. Avoid direct approaches towards the camera.
- **Avoid Obstructions:** Do not face the camera towards white walls, columns, water surfaces, or electrical wires, especially for night vision, as these can interfere with infrared (IR) performance.

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Video: This video provides instructions on how to properly install the security camera. It covers recommended installation height, optimal viewing angles, and positions to avoid for effective motion detection and night vision.

4. OPERATING INSTRUCTIONS

4.1 Live View and Two-Way Audio

Access the live feed through the O-Kam Pro app. Use the two-way audio feature to communicate with visitors or deter intruders directly from your smartphone.



**Support
Alexa**



**Alexa,
Show me the baby's room**

Image: This image illustrates the two-way audio functionality of the Rraycom BW4 camera, showing how users can interact with individuals at their doorstep.

4.2 Motion Detection and Alerts

The camera features smart AI motion detection, including human shape detection, to accurately identify people and send instant notifications to your phone via the O-Kam Pro app. You can customize activity zones to focus on specific areas and reduce false alarms.

Siren Alert & Spotlight Alarm & AI Motion Detection



Image: This image demonstrates the siren and spotlight alarm features of the Rraycom BW4 camera, showing how it can deter intruders and send alerts to the user's phone.

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Video: This video illustrates how to set up phone alerts and camera alarms for the Rraycom BW4 camera. It shows the steps to customize notification sounds and activate the camera's siren when motion is detected, enhancing security measures.

4.3 Night Vision

Experience vivid 2K resolution with full-color night vision, ensuring clear details even in low light conditions. The camera also supports traditional black and white night vision.

2K HD Color Night Vision

See every detail at night just like it's daytime with the spotlight



Image: This image visually compares the clarity and detail of 2K HD color night vision with standard black and white night vision, demonstrating the camera's superior low-light performance.

4.4 Recording and Storage

The camera supports local storage via a microSD card (up to 256GB, not included) without a subscription fee. Additionally, it offers free 1-day cloud backup, with optional paid plans for extended cloud storage. All data is secured with AES encryption.



Image: This image highlights the flexible storage options of the Rraycom BW4 camera, including cloud storage and local storage via a microSD card.

4.5 Alexa Integration

Enjoy hands-free control by streaming live video on Amazon Alexa-enabled devices. Use voice commands to view live feeds, arm or disarm the system, and manage your home security effortlessly.



Image: This image demonstrates the Rraycom BW4 camera's compatibility with Amazon Alexa, allowing users to view live feeds on smart displays with voice commands.

4.6 Camera Sharing

Share access to your camera's live feed and settings with family members or trusted individuals through the O-Kam Pro app. This allows multiple users to monitor the property simultaneously.

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Video: This video demonstrates how to share your Rraycom BW4 security camera with family members using the app. It outlines the steps to grant access and permissions to other users, enabling shared monitoring.

5. MAINTENANCE

5.1 Prolonging Battery Life

To maximize battery life:

- **Avoid Crowded Areas:** Install the camera in areas with less frequent motion to reduce unnecessary recordings.
- **Avoid Direct Sunlight:** Prolonged exposure to direct sunlight can affect battery performance.
- **Avoid Heat Sources:** Keep the camera away from heat sources like air conditioning units.
- **Adjust Power Mode:** Change the power mode to "Sleep mode" instead of "Continuous working mode" in the app settings.
- **Optimize Recording Length:** Set video recording length to 5-15 seconds.
- **Map Monitoring Area:** Customize specific monitoring areas to reduce false triggers.
- **Motion Detection Schedule:** Set a schedule for motion detection to reduce alarm interference during specific times.

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Video: This video provides tips on how to prolong the battery life of your Rraycom BW4 outdoor security camera. It covers settings adjustments within the app and optimal placement to conserve power.

5.2 Weather Resistance

The Rraycom BW4 camera has an IP65 rating, making it waterproof and dustproof, suitable for various weather conditions.

Cloud Storage

Local Storage
(Not included)

No Subscriptions Fee

Up to 256GB

Image: This image emphasizes the IP65 waterproof rating of the Rraycom BW4 camera, showing it functioning reliably in rainy conditions,

6. TROUBLESHOOTING

If you encounter issues with your Rraycom BW4 camera, consider the following common solutions:

- **Connection Issues:** Ensure your WiFi network is stable and the camera is within range. Verify that you are connecting to a 2.4G or 5G network as supported.
- **Motion Detection Accuracy:** Review camera placement and activity zone settings. Avoid facing the camera directly into areas with constant, non-relevant motion (e.g., busy streets if not part of the monitored zone).
- **Battery Life:** Refer to the "Prolonging Battery Life" section for tips on optimizing settings and placement.
- **Night Vision Clarity:** Ensure there are no reflective surfaces or strong light sources directly in front of the camera that could interfere with IR illumination.
- **App Functionality:** Ensure your O-Kam Pro app is updated to the latest version. Restart the app or your smartphone if issues persist.
- **Reset Camera:** If the camera is unresponsive, locate the reset button (usually a small pinhole) and press it for about 3 seconds until the indicator light flashes.

For further assistance, please contact Rraycom customer support.

7. SPECIFICATIONS

| Feature | Detail |
|--------------------------|---|
| Model Name | BW4 |
| Indoor/Outdoor Usage | Indoor, Outdoor |
| Video Capture Resolution | 2K |
| Connectivity Protocol | Wi-Fi (2.4G & 5G Dual-Bands) |
| Power Source | Battery Powered (5200 mAh) |
| Special Features | 2-Way Audio, Compatible with Alexa, Color Night Vision, Spotlight & Siren Alarm, AI Detection |
| Storage Options | MicroSD Card (up to 256GB), Cloud Storage (1-day free backup) |
| Water Resistance Level | IP65 |
| Viewing Angle | 130 Degrees |
| Night Vision Range | 33 Feet |
| Dimensions (L x W x H) | 2.8 x 2.6 x 6.7 inches |
| Material | Acrylonitrile Butadiene Styrene (ABS) |
| Compatible Devices | Android & iOS |
| Controller Type | Amazon Alexa, O-Kam Pro App |

8. WARRANTY & SUPPORT

Rraycom products are designed for reliability and performance. For specific warranty details, please refer to the documentation

included with your purchase or contact customer support.

Customer Support

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

Email: aftersale@rraycom.com

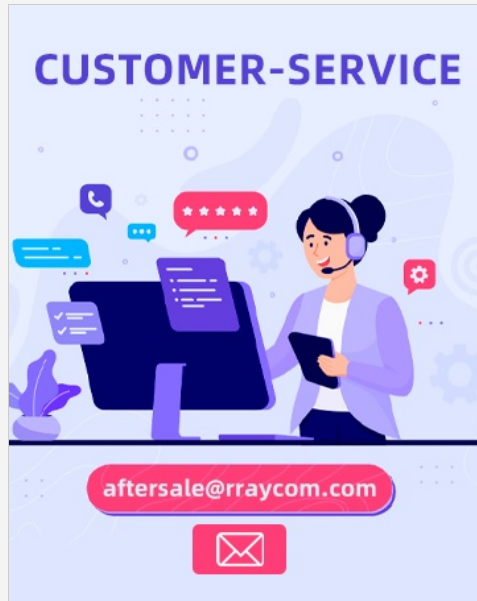


Image: Rraycom customer service contact details, including the support email address.