

BEENOCAM Dual-lens Security Camera

BEENOCAM Dual Lens Solar Security Camera User Manual

Model: Dual-lens Security Camera

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your BEENOCAM Dual Lens Solar Security Camera. This wireless outdoor camera features a dual-lens system, 6MP resolution, 360° pan/tilt view, 2.4G & 5G WiFi connectivity, color night vision, motion detection, spotlight alarm, and two-way audio for comprehensive home security monitoring.

2. WHAT'S IN THE BOX

Please verify that all components are present:

- Camera Body
- Solar Panel
- Mounting Bracket
- User Manual
- Mounting Screws and Anchors
- USB C Charging Cable

3. PRODUCT OVERVIEW

The BEENOCAM Dual Lens Solar Security Camera is designed for outdoor surveillance, offering advanced features for enhanced security.

3.1 Key Features

- **Dual Lens System:** Combines a fixed panoramic lens with a pan/tilt tracking lens for wide coverage and detailed monitoring.

- **6MP Resolution:** Provides clear video footage, capturing details up to 33 feet away.
- **Solar Powered:** Equipped with a solar panel for continuous power, reducing the need for manual charging.
- **Dual-Band WiFi:** Supports both 2.4GHz and 5GHz WiFi networks for flexible and stable connectivity.
- **Color Night Vision:** Offers clear, full-color video even in low-light conditions, alongside traditional infrared night vision.
- **PIR Motion Detection:** Intelligent human detection reduces false alarms and triggers real-time alerts.
- **Spotlight Alarm & Siren:** Deters intruders with an integrated spotlight and audible siren upon detection.
- **Two-Way Audio:** Allows for real-time communication through the camera's built-in speaker and microphone.
- **Local & Cloud Storage:** Supports Micro SD card storage (up to 128GB, not included) and optional cloud storage subscription.
- **IP66 Waterproof:** Designed to withstand various outdoor weather conditions.

3.2 Camera Components



Figure 3.1: Main view of the BEENOCAM Dual Lens Solar Security Camera.



Figure 3.2: Illustration of the dual-lens design providing comprehensive 360-degree coverage. The camera features a fixed lens and a pan/tilt lens to eliminate blind spots around your property.

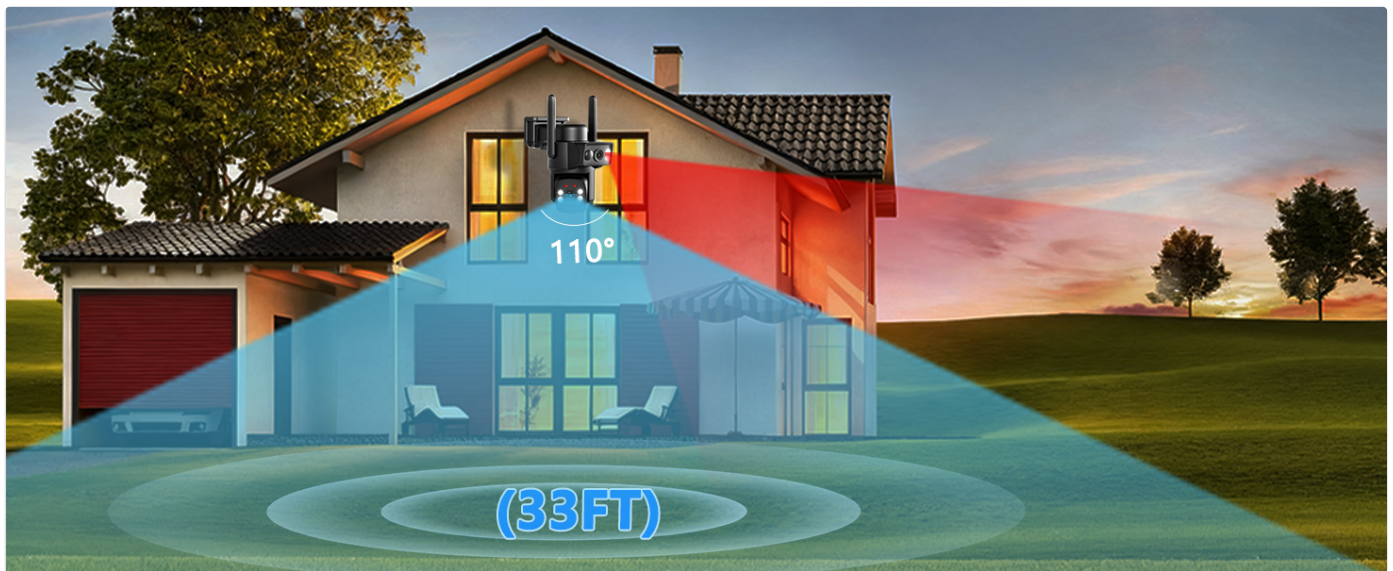


Figure 3.3: The camera's solar-powered charging system, including the 10ft cable, IP66 waterproof rating, 3W solar panel, and 9000mAh rechargeable battery. Note that solar charging efficiency may vary on cloudy or rainy days.

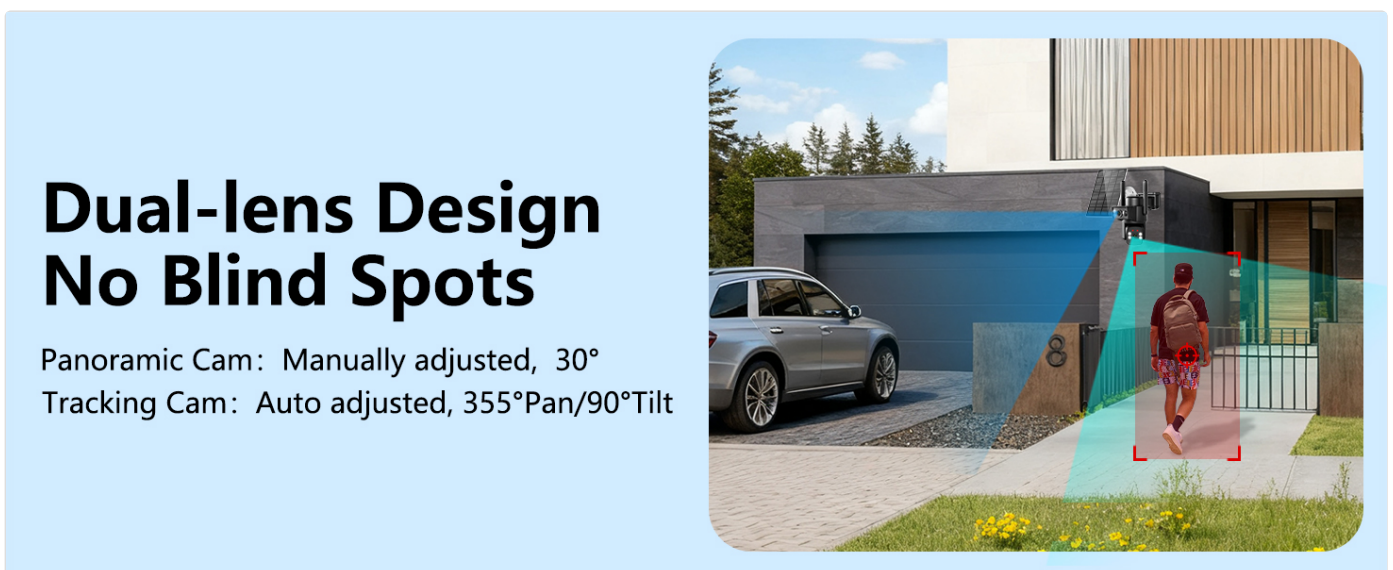


Figure 3.4: Demonstration of the human auto-tracking function, where the camera automatically follows detected human movement within its field of view.

Compatible with 2.4G and 5G Wi-Fi

 **2.4GHz**
Longer Transmission Distance

 **5GHz**
Faster Speed



Figure 3.5: The PIR motion detection system activating a spotlight and siren alarm to deter unwanted visitors, with a notification pushed to the O-KAM Pro app.

6MP Color Night Vision

Camera can clearly monitor your home within 33 feet

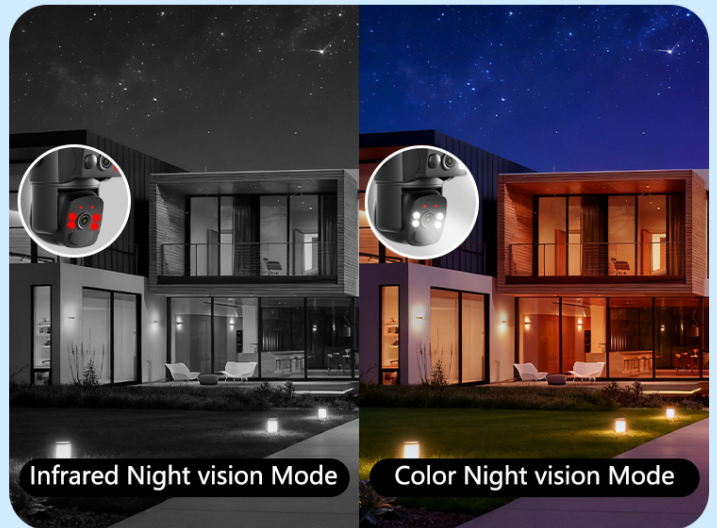


Figure 3.6: The camera supports both 5GHz WiFi for faster speeds and 2.4GHz WiFi for wider coverage, ensuring flexible network connectivity.

8X Zoom



Figure 3.7: Storage options include local Micro SD card support (up to 128GB) and cloud storage (subscription required), allowing for flexible video recording and access.

4. SETUP

4.1 App Download and Account Creation

1. Download the "O-KAM Pro" app from your smartphone's app store (iOS or Android).
2. Register for a new account or log in if you already have one.

4.2 Camera Installation

Choose a suitable outdoor location for the camera and solar panel. Ensure the solar panel receives direct sunlight for most of the day. The camera is designed for wall mounting.

1. Mark the drilling points for the mounting bracket on the desired surface.
2. Drill holes and insert wall anchors if necessary.
3. Secure the mounting bracket using the provided screws.
4. Attach the camera body to the mounting bracket.
5. Mount the solar panel in a location with optimal sunlight exposure and connect its cable to the camera.



Figure 4.1: The camera's wide-angle fixed lens provides a 110-degree field of view, with a detection range of up to 33 feet, suitable for monitoring large outdoor areas.

4.3 Wi-Fi Connection

1. Power on the camera.
2. Open the O-KAM Pro app and tap "Add Device" or the "+" icon.
3. Follow the on-screen instructions to connect the camera to your 2.4GHz or 5GHz Wi-Fi network. Ensure your phone is connected to the same Wi-Fi network during setup.
4. Scan the QR code displayed on your phone with the camera lens when prompted.
5. Wait for the camera to connect and configure.



Figure 4.2: The camera's compatibility with both 2.4GHz (longer transmission distance) and 5GHz (faster speed) Wi-Fi networks.

5. OPERATING THE CAMERA

5.1 Live View and Playback

- Open the O-KAM Pro app and select your camera to view the live feed.
- Use the playback function to review recorded footage from your Micro SD card or cloud storage.

Your browser does not support the video tag.

Video 5.1: This video demonstrates the dual-lens functionality and the O-KAM Pro app interface, showing how to switch between tracking and panoramic camera views, adjust definition, and access various controls like motion detection, PTZ, siren, and white light.

5.2 Pan, Tilt, and Zoom (PTZ) Control

- In the live view, use the on-screen controls to pan (rotate horizontally up to 360°), tilt (rotate vertically up to 90°), and digitally zoom the tracking camera.
- The panoramic camera's view is fixed.

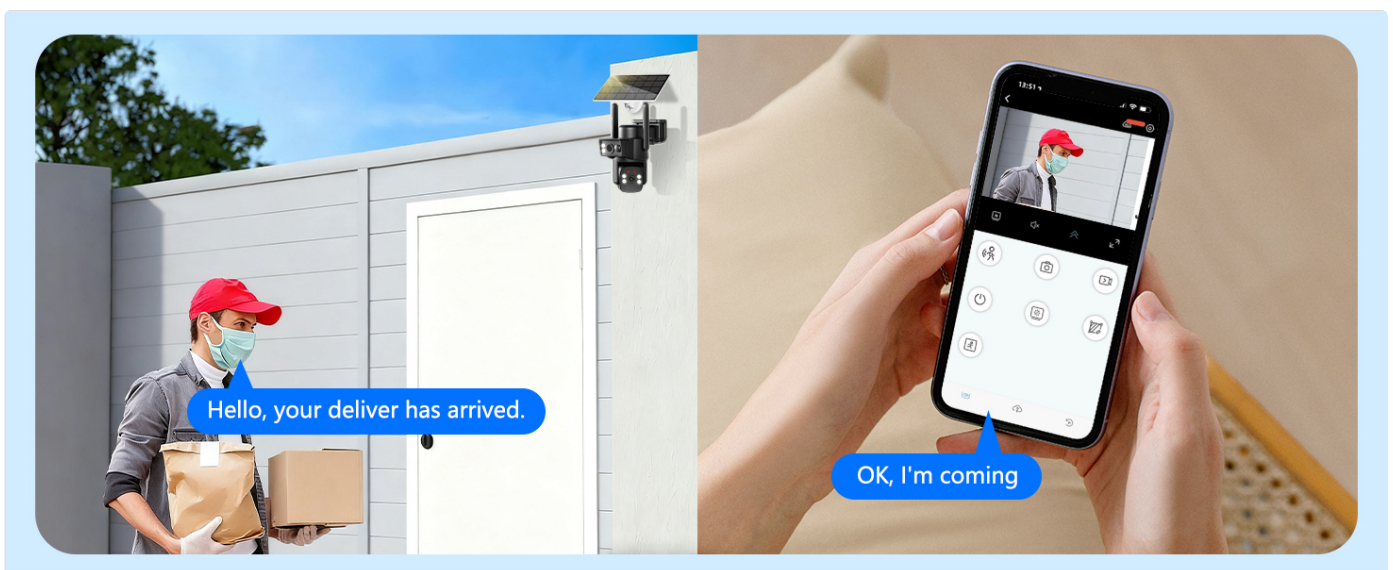


Figure 5.1: The dual-lens system allows for a manually adjusted panoramic camera and an auto-adjusted tracking camera with 355° pan and 90° tilt capabilities, ensuring no blind spots.

5.3 Motion Detection and Alerts

- Access motion detection settings in the app to enable/disable PIR detection.
- Configure custom detection zones to focus on specific areas and reduce unwanted alerts.
- Adjust sensitivity levels to optimize detection performance.
- When motion is detected, the camera can activate a spotlight, sound a siren, and send real-time push notifications to your smartphone.



Figure 5.2: The camera's motion detection capabilities, including human tracking, floodlight activation, siren alarm, and instant notification pushes to your device.

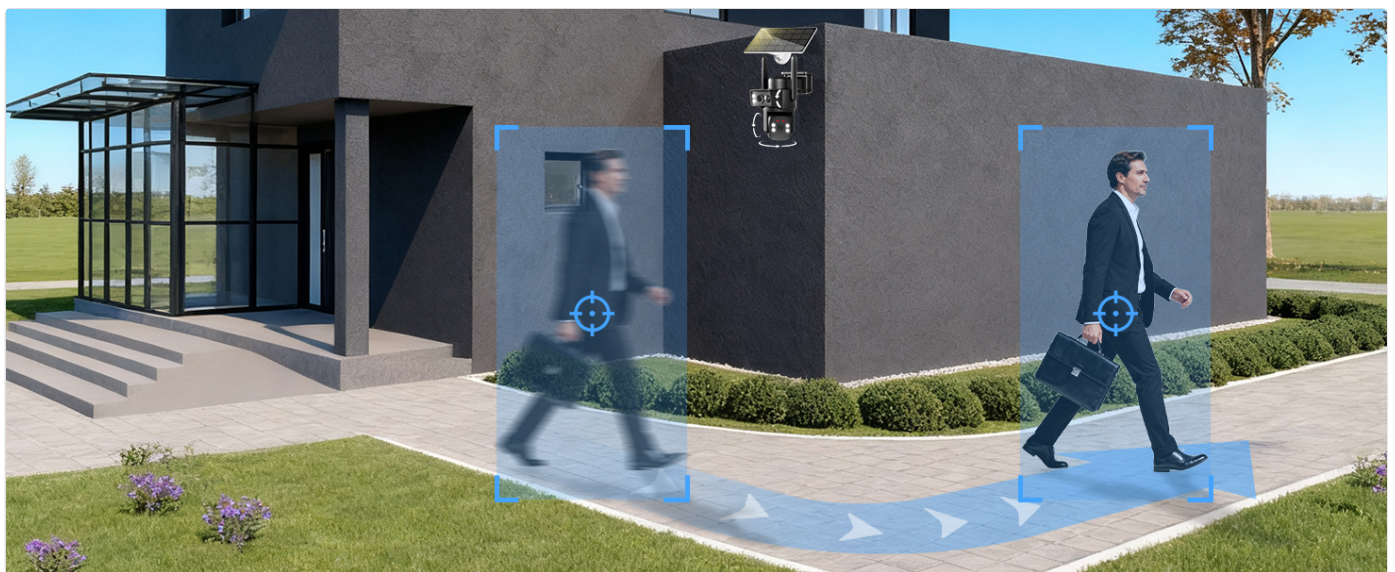


Figure 5.3: Custom detection zones can be configured within the app to monitor specific areas of interest, such as a pool, patio, or entrance, reducing irrelevant alerts.

5.4 Two-Way Audio

- Tap the microphone icon in the app's live view to speak through the camera's speaker.
- Listen to audio from the camera's surroundings through your phone.

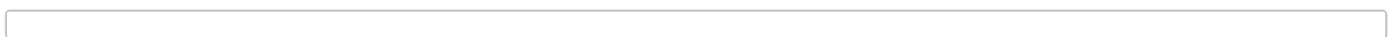


Figure 5.4: The two-way audio feature allows you to communicate with visitors or deter intruders directly through the camera using your smartphone.

5.5 Night Vision Modes

- The camera automatically switches to night vision in low light.

- Choose between infrared (black and white) night vision for clarity or color night vision for more detail, depending on ambient light conditions.



Figure 5.5: The camera offers both infrared night vision mode (black and white) and color night vision mode, allowing clear monitoring up to 33 feet in various low-light conditions.

6. MAINTENANCE

- **Solar Panel:** Regularly clean the solar panel surface to ensure maximum sunlight absorption and charging efficiency. Dust, dirt, and debris can reduce performance.
- **Camera Lenses:** Gently wipe the camera lenses with a soft, clean cloth to remove any smudges or dirt that may affect image clarity.
- **Firmware Updates:** Check the O-KAM Pro app periodically for firmware updates to ensure optimal performance and access to new features.



Figure 6.1: The camera's IP66 waterproof rating ensures durability in various weather conditions, including sun, rain, and snow, within a temperature range of -4°F to 122°F.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Camera not powering on.	Low battery; solar panel not charging; power cable issue.	Ensure solar panel is in direct sunlight. Check cable connection. Charge camera directly via USB-C if needed.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password; camera too far from router; wrong Wi-Fi band selected.	Verify Wi-Fi password. Move camera closer to router. Ensure you are connecting to a 2.4GHz or 5GHz network as supported.
Frequent false motion alerts.	High sensitivity setting; environmental factors (e.g., moving branches, insects).	Adjust motion detection sensitivity in the app. Define custom detection zones to exclude irrelevant areas.
Poor video quality.	Weak Wi-Fi signal; dirty lens; low light conditions.	Improve Wi-Fi signal strength. Clean camera lenses. Ensure adequate lighting for color night vision.
Two-way audio not working.	Microphone/speaker disabled in app; volume too low; network latency.	Check app settings for audio permissions and volume. Ensure a stable network connection.

8. SPECIFICATIONS

- **Model Name:** Dual-lens Solar Security Camera
- **Model Number:** Dual-lens Security Camera
- **Resolution:** 6MP (1296p video capture)
- **Connectivity:** 2.4GHz & 5GHz Wi-Fi
- **Power Source:** Solar Powered (3W solar panel), Rechargeable Battery (9000mAh)
- **Viewing Angle:** 360° (Pan/Tilt), 110° (Fixed Lens)
- **Night Vision:** Color Night Vision, Infrared Night Vision (up to 33 feet)
- **Storage:** Micro SD Card (up to 128GB, not included), Cloud Storage (subscription required)
- **Special Features:** 2-Way Audio, Built-In Light, Motion Sensor (PIR), PTZ Technology
- **Indoor/Outdoor Usage:** Outdoor
- **Waterproof Rating:** IP66
- **Operating Temperature:** -4°F to 122°F
- **Control Method:** App (O-KAM Pro)
- **Material:** Plastic
- **Item Dimensions:** 5 x 3 x 2.7 inches

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact BEENOCAM customer service through their official website or the O-KAM Pro app. Keep your purchase receipt for warranty claims.

