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BEENOCAM QW6

BEENOCAM 4K 8MP Solar Security Camera User Manual

Model: QW6

1. PRODUCT OVERVIEW

The BEENOCAM 4K 8MP Solar Security Camera is a fully wireless outdoor surveillance solution designed for comprehensive home security. It features a high-resolution 4K 8MP lens, dual-lens design with 8x digital zoom, and a solar panel for continuous power, ensuring uninterrupted operation.

Equipped with advanced PIR human detection and auto-tracking capabilities, the camera minimizes false alarms and keeps you informed of relevant activity. Its 360° PTZ (Pan-Tilt-Zoom) functionality allows for wide area coverage, complemented by customizable detection zones. The camera also offers color night vision, two-way audio communication, and flexible storage options including Micro SD card and cloud storage. With an IP66 waterproof rating, it is built to withstand various weather conditions.



Image 1.1: BEENOCAM 4K 8MP Solar Security Camera with solar panel, illustrating its 100% wireless operation in an outdoor night setting.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- BEENOCAM 4K 8MP Solar Security Camera (1 unit)
- Solar Panel (1 unit)
- Mounting Screws and Anchors
- User Manual (this document)



Image 2.1: Main product image showing the camera, solar panel, and a smartphone interface, representing the complete package.

3. PRODUCT FEATURES

3.1 Solar Powered & Truly Wireless

The camera is equipped with a high-efficiency solar panel featuring a concave-convex design for improved photoelectric conversion. This, combined with a built-in high-capacity battery, provides continuous power, making the camera truly wireless and autonomous. It is designed for 365 days of uninterrupted security monitoring.



Image 3.1.1: The camera and solar panel demonstrating IP66 waterproof capability, suitable for sunny, rainy, and snowy conditions.

3.2 4K 8MP Resolution & Color Night Vision

Capture every detail with the excellent 4K lens. The dual-lens design supports 8x digital zoom for clear viewing of distant objects. It offers three night vision modes: infrared night vision, full-color night vision, and intelligent night vision, ensuring effective identification of potential dangers even in low-light conditions.

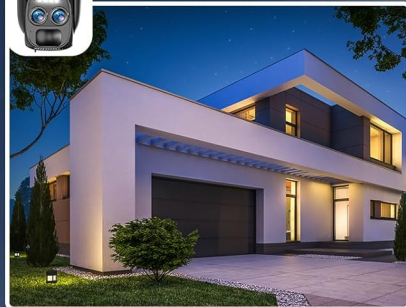
Dual Lens & 8X Digital Zoom

8x zoom magnifies details for a clearer picture



Image 3.2.1: Illustration of the camera's dual-lens system and 8x digital zoom capability, showing how it captures details.

4K 8MP Full Color Night Vision



Color Night Vision



Infrared Night Vision

Image 3.2.2: Visual comparison demonstrating the clarity of 4K 8MP full-color night vision versus infrared night vision.

3.3 PIR Human Detection & Auto Tracking

Sensitive PIR motion sensors enhance human recognition and significantly reduce false alarms. Upon detecting movement, the camera automatically tracks the trajectory and sends real-time notifications to your phone. Customizable alarm sounds (e.g., fire alarms, siren, sound and light alarms) can deter intruders.



Image 3.3.1: The camera's smart PIR motion sensor and auto-tracking in action, showing detection of a person at a doorway.

3.4 PTZ & Customizable Detection Zones

Enjoy 360° all-around monitoring with horizontal 355° and vertical 90° PTZ rotation. You can customize up to 5 key focus zones to receive alarms only for areas of concern, reducing unnecessary notifications.



Image 3.4.1: The camera's ability to customize detection areas, focusing on specific zones like a swimming pool or backyard.

3.5 Two-way Audio & Storage Options

The built-in microphone and speaker provide effective noise reduction, enabling real-time two-way communication via the APP. Event recordings can be stored on a Micro SD card (up to 256GB, not included) or securely in cloud storage with encryption.



Image 3.5.1: Depiction of the two-way audio feature, allowing real-time communication through the camera.

4. SETUP GUIDE

4.1 Initial Charging

Before first use, fully charge the camera's built-in battery using a standard USB charger (not included). This ensures the camera has sufficient power for initial setup and connection to Wi-Fi.

4.2 App Download and Account Creation

1. Scan the QR code provided in the quick start guide or search for the "O-KAM" app in your mobile device's app store (Google Play Store for Android, Apple App Store for iOS).
2. Download and install the "O-KAM" app.
3. Open the app and follow the on-screen instructions to create a new account.

4.3 Connecting to Wi-Fi

The camera supports Wi-Fi connectivity. While the product description states compatibility with both 2.4Ghz and 5Ghz networks, some users have reported that the camera primarily connects to 2.4Ghz networks. For optimal performance and compatibility, it is recommended to connect to a 2.4Ghz Wi-Fi network during initial setup.

1. Ensure your mobile device is connected to the 2.4Ghz Wi-Fi network you intend to use for the camera.

2. In the O-KAM app, tap the "+" icon to add a new device.
3. Select your camera model or scan the QR code on the camera if prompted.
4. Follow the app's instructions to enter your Wi-Fi network name (SSID) and password.
5. 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.
6. Once connected, the camera will emit a confirmation sound. Follow the remaining prompts in the app to complete the setup.

4.4 Mounting the Camera

The camera is designed for wall mounting. Choose a location that provides optimal surveillance coverage and receives sufficient sunlight for the solar panel.

1. **Select Location:** Identify a suitable outdoor location, preferably under an overhang or eave for added protection, ensuring the solar panel has direct sunlight exposure for several hours daily.
2. **Mark Drilling Points:** Use the provided mounting template or the camera's base to mark the drilling points on the wall.
3. **Drill Holes:** Drill holes at the marked points and insert the wall anchors.
4. **Secure Camera:** Align the camera's mounting bracket with the holes and secure it using the provided screws.
5. **Adjust Angle:** Adjust the camera's angle and the solar panel's orientation to maximize sunlight exposure.

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 view real-time footage from your camera anytime, anywhere.

5.2 Playback

To review recorded events, navigate to the playback section within the app. You can browse recordings by date and time. Recordings are stored on the Micro SD card (if installed) or in the cloud (with subscription).



Image 5.2.1: The app interface demonstrating multi-user sharing and video playback functionality.

5.3 Motion Detection Settings

Access the camera settings in the app to configure motion detection sensitivity, set up custom detection zones, and

enable/disable human shape detection. This helps in reducing false alarms and focusing on critical areas.

5.4 Two-Way Audio

While in live view, tap the microphone icon to speak through the camera's speaker. Tap the speaker icon to listen to audio from the camera's surroundings.

5.5 PTZ Control

In the live view interface, use the on-screen joystick or swipe gestures to pan (horizontal 355°) and tilt (vertical 90°) the camera. You can also use the 8x digital zoom feature to get closer details.



Image 5.5.1: Demonstration of the camera's 355° pan and 90° tilt functionality, along with 8x zoom for detailed viewing.

5.6 Alarm Settings

Configure various alarm settings, including siren activation, spotlight illumination upon detection, and push notifications to your mobile device. You can also customize alarm sounds.

6. MAINTENANCE

6.1 Solar Panel Cleaning

Periodically clean the surface of the solar panel with a soft, damp cloth to ensure maximum sunlight absorption and charging efficiency. Dust, dirt, or debris can reduce its performance.

6.2 Battery Management

The camera's built-in battery is designed for long-term use. Ensure the solar panel is positioned to receive adequate sunlight. In prolonged periods of low light or heavy usage, the battery level may drop, and a manual charge might be necessary.

6.3 Firmware Updates

Check the O-KAM app regularly for available firmware updates. Keeping the camera's firmware updated ensures optimal performance, new features, and security enhancements.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi.	Incorrect Wi-Fi password; connecting to 5Ghz network; camera too far from router.	Double-check password. Ensure you are connecting to a 2.4Ghz Wi-Fi network. Move camera closer to the router or use a Wi-Fi extender.
Frequent false alarms.	High motion detection sensitivity; environmental factors (e.g., swaying trees, passing cars).	Reduce motion detection sensitivity in the app. Define custom detection zones to exclude busy areas. Enable human shape detection.
Night vision unclear or not activating.	Lens obstruction; insufficient ambient light for color night vision.	Clean the camera lens. Ensure there are no obstructions. Adjust night vision mode settings in the app (infrared, color, intelligent).
Battery not charging via solar panel.	Insufficient sunlight; dirty solar panel; panel not properly angled.	Relocate the solar panel to an area with more direct sunlight. Clean the solar panel surface. Adjust the panel's angle towards the sun.
Two-way audio quality is poor.	Network interference; distance from camera.	Ensure stable Wi-Fi connection. Reduce background noise. Speak clearly and closer to your phone's microphone.

8. SPECIFICATIONS

Feature	Detail
Model Name	QW6
Indoor/Outdoor Usage	Outdoor
Power Source	Battery/Solar Powered
Connectivity Protocol	Wi-Fi (2.4/5Ghz, note: 2.4Ghz recommended for stable connection)
Video Capture Resolution	4K (8MP)
PTZ Rotation	Horizontal 355°, Vertical 90°
Digital Zoom	8x
Night Vision Modes	Infrared, Color, Intelligent
Detection	PIR Human Detection, Auto Tracking, Customizable Detection Zones
Audio	Two-Way Audio (Built-in microphone and speaker)
Storage	Micro SD Card (up to 256GB, not included), Cloud Storage (subscription-based)
Waterproof Rating	IP66
Dimensions (Camera)	1 x 0.99 x 2.7 inches
Item Weight	1.87 pounds

Feature	Detail
Batteries	3 Lithium Ion batteries (included)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided on the product packaging or visit the official BEENOCAM website. Keep your purchase receipt for warranty claims.

Manufacturer: BEENOCAM