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› BOAVISION 4G LTE Cellular Solar Security Camera B0C6T8M837 User Manual

BOAVISION B0C6T8M837

BOAVISION 4G LTE Cellular Solar Security Camera User Manual

MODEL: B0C6T8M837

1. Introduction

Thank you for choosing the BOAVISION 4G LTE Cellular Solar Security Camera. This manual provides detailed instructions for setting up, operating, and maintaining your camera to ensure optimal performance. This camera is designed for outdoor use, offering 5MP HD resolution, PTZ (Pan-Tilt-Zoom) capabilities, color night vision, two-way audio, and operates on a 4G LTE cellular network, eliminating the need for Wi-Fi.

2. Package Contents

Please verify that all items listed below are included in your package:

- BOAVISION 4G LTE Cellular Solar Security Camera
- Solar Panel
- Mounting Bracket and Screws
- USB Charging Cable
- User Manual
- Pre-inserted SIM Card (with 100MB free data for testing)

3. Product Overview

Familiarize yourself with the main components of your security camera:



Image: The BOAVISION 4G LTE Cellular Solar Security Camera, featuring its main body, dual antennas, solar panel, and a simulated phone screen displaying a live feed with PTZ controls.

- **Camera Lens:** 5MP HD sensor for clear video.
- **IR LEDs:** Infrared lights for black and white night vision.
- **Spotlights:** For color night vision and deterrence.
- **Microphone:** For audio input during two-way communication.
- **Speaker:** For audio output during two-way communication and siren alerts.
- **Antennas:** For 4G LTE cellular connectivity.
- **Solar Panel Connector:** Port to connect the solar panel for continuous charging.
- **SIM/SD Card Slot:** Located under a protective cover, for cellular SIM card and Micro SD card storage.
- **Reset Button:** Used to reset the camera to factory settings.

Cellular Data Plan

Optional Plan with **Unlimited Data**

1-month	6-month	12-month	24-month
\$ 19.90	\$ 99.90	\$ 169.90	\$ 299.90



SIM Card(Pre-inserted)
100MB Free data for test

Work in US ONLY

Image: A detailed view of the camera's underside, highlighting the accessible slot for the SIM card and Micro SD card, along with the reset button.

4. Setup Guide

4.1. SIM Card & Micro SD Card Installation

Your camera comes with a pre-inserted SIM card. You will need to activate a data plan for it to function. A Micro SD card (not included, supports 8-128GB) is recommended for local video storage.

1. Open the rubber cover on the camera to access the SIM/SD card slot.
2. The SIM card is pre-inserted. Ensure it is properly seated.
3. Insert a Micro SD card (Class 10 or higher recommended) into the designated slot with the contacts facing down. Push until it clicks into place.
4. Close the rubber cover firmly to ensure waterproof sealing.
5. Activate your cellular data plan for the pre-inserted SIM card. Refer to the SIM card provider's instructions for activation.

4.2. App Download & Account Registration

The camera operates with the UBox app.

1. Scan the QR code provided in the manual or search for 'UBox' in your smartphone's app store (App Store for iOS, Google Play for Android).
2. Download and install the UBox app.
3. Open the app and register a new account using your email address. Follow the on-screen prompts to complete registration and log in.

4.3. Camera Pairing

Add your camera to the UBox app:

1. Ensure your camera is powered on (fully charged battery recommended for first setup).
2. Open the UBox app and tap 'Add Device' or the '+' icon.
3. Select 'Setup 4G Device'.
4. Follow the app's instructions to scan the QR code located on the camera body.
5. The app will guide you through the connection process. Once connected, you can name your camera.

4.4. Mounting the Camera and Solar Panel

Choose a suitable outdoor location for optimal solar charging and camera coverage.



Solar Powered True Wireless



10400 mAh
Rechargeable Battery

Image: The BOAVISION camera and its solar panel are securely mounted to a tree trunk, illustrating a typical outdoor installation for continuous power.

1. **Location Selection:** Choose a spot with direct sunlight exposure for the solar panel and a clear view for the camera. Ensure the camera is within 4G LTE coverage.
2. **Drill Holes:** Use the provided mounting template (if any) or mark the positions for drilling. Drill holes for the camera bracket and solar panel bracket.
3. **Secure Brackets:** Attach the camera mounting bracket and solar panel mounting bracket to the wall or surface using the screws and wall anchors.
4. **Attach Camera and Solar Panel:** Mount the camera onto its bracket and the solar panel onto its bracket. Adjust the solar panel angle to maximize sun exposure.
5. **Connect Solar Panel:** Plug the solar panel's cable into the camera's solar panel connector port.

Efficient Solar Panel Charging



Image: A visual representation of the camera and solar panel installed on an exterior wall, demonstrating the efficient solar charging process with battery level indicators.

5. Operating Instructions

5.1. Power Management

The camera is powered by a built-in 10400mAh rechargeable battery, continuously charged by the solar panel. Ensure the solar panel receives adequate sunlight for uninterrupted operation.

5.2. Live View and PTZ Control

Access the live video feed and control the camera's movement through the UBox app.

1. Open the UBox app and select your camera from the device list.
2. The live view will appear.
3. Use the on-screen joystick or directional arrows to pan (rotate horizontally up to 355°) and tilt (rotate vertically up to 90°) the camera.
4. Pinch to zoom in or out for digital zoom.

PTZ Remote Control

270° Pan / 90° Tilt / 4X Digital Zoom

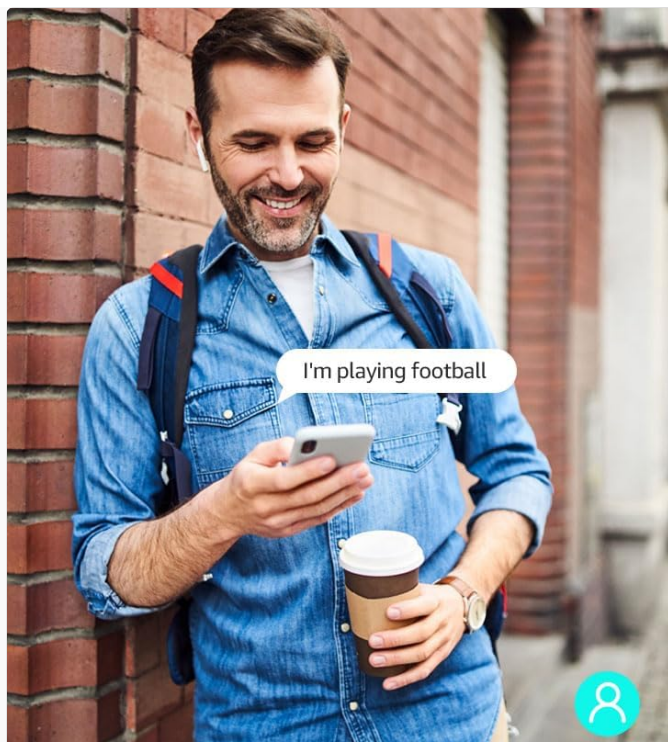


Image: A smartphone displaying the UBox app interface with live camera feed and controls for 270° pan and 90° tilt, demonstrating remote PTZ functionality.

5.3. Two-Way Audio

Communicate with visitors or deter intruders using the camera's built-in microphone and speaker.

1. While in live view, tap the microphone icon in the UBox app.
2. Speak into your phone. Your voice will be transmitted through the camera's speaker.
3. Release the microphone icon to listen through the camera's microphone.



Live View & 2-Way Talk Share with Family

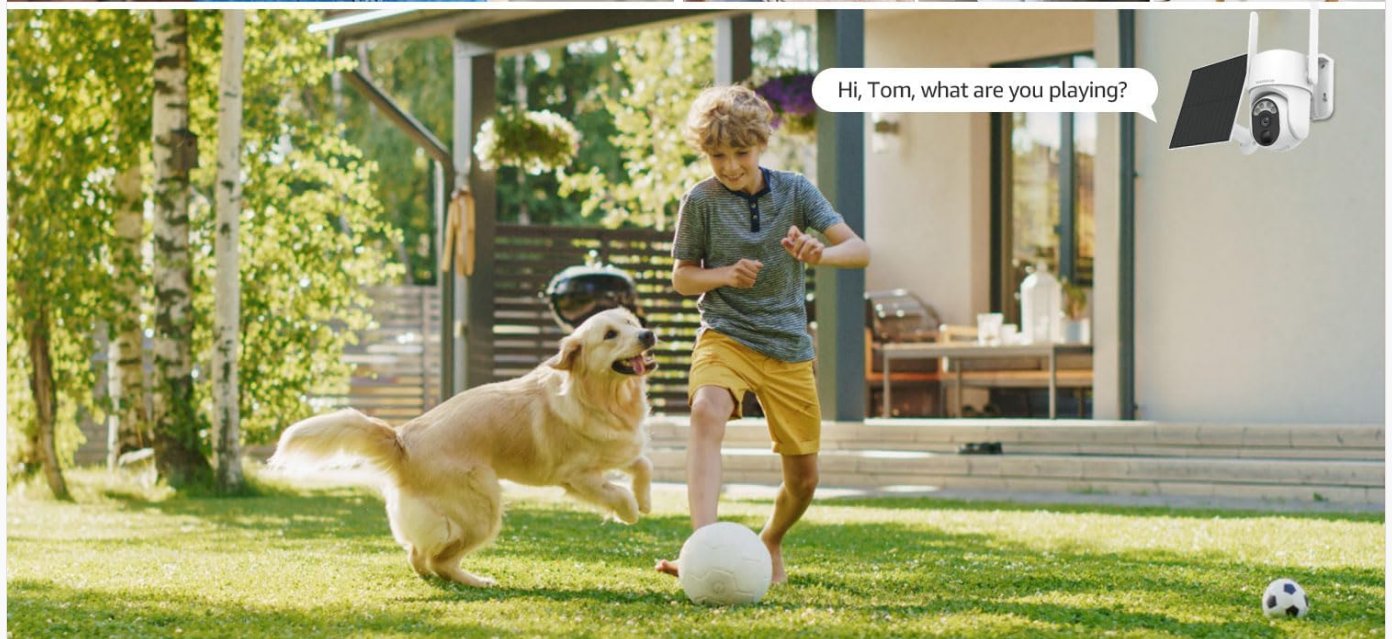


Image: Illustrates scenarios of a user checking the live feed and engaging in two-way conversation with family members through the BOAVISION camera, emphasizing remote interaction.

5.4. Motion Detection and Alerts

The camera features a PIR (Passive Infrared) motion sensor to detect human movement and send instant alerts.

1. In the UBox app, navigate to the camera settings.
2. Enable 'PIR Motion Detection' and adjust sensitivity levels as needed.
3. Set up custom detection areas to focus on specific zones and reduce false alarms.
4. When motion is detected, you will receive real-time push notifications on your smartphone. The camera can also activate its spotlight and siren.

Motion Detection Alarm Phone Notification



Spotlight



Phone
Notification



Siren



Image: Depicts the camera detecting a person in a yard at night, with a smartphone displaying an 'UBox Notification' alert, showcasing the motion detection and alarm feature.



Image: An illustration demonstrating the camera's Smart PIR Human Motion Detection feature, showing a person detected in a backyard at night and a corresponding alert on a smartphone.

5.5. Night Vision Modes

The camera offers both color and infrared night vision for clear monitoring in low-light conditions.

1. **Color Night Vision:** When the spotlight is enabled (via app settings or motion detection), the camera captures full-color video even in darkness.
2. **Infrared Night Vision:** With the spotlight off, the camera uses infrared LEDs to provide clear black and white video up to 23 feet.

5MP HD Color Picture for Day and Night



Image: A side-by-side comparison showing the difference between Color Mode (spotlight on) and Infrared Mode (spotlight off) at night, highlighting the camera's versatile night vision capabilities.

5MP FHD Color Night Vision

View more clearly in color video mode



Spotlight on



Spotlight off

Image: An illustration showcasing the camera's 5MP FHD Color Night Vision, providing a clear and detailed view of a house at night with the spotlight on, compared to a traditional infrared view with the spotlight off.

5.6. Recording and Playback

Recordings can be stored locally on a Micro SD card or in the cloud.

1. **Micro SD Card Storage:** The camera supports 8-128GB Micro SD cards. Ensure the card is formatted via the UBox app for proper function. Recordings are stored continuously or upon motion detection.
2. **Cloud Storage:** A 7-day free trial of cloud storage is available. Cloud storage provides secure backup of your recordings, accessible even if the camera is damaged or stolen.
3. **Playback:** Access recorded footage from both SD card and cloud storage directly through the UBox app's playback feature.

Flexible Storage



**Support 32-128G
Micro SD Card
(Not Included)**



**Cloud Storage
30-Day Free Ttrial**

Easily playback/download videos from the cloud
No matter if the camera is damaged



Image: A close-up of the camera's Micro SD card slot, alongside graphics illustrating support for 32-128GB Micro SD cards and a 30-day free trial for cloud storage, emphasizing flexible storage solutions.

6. Maintenance

6.1. Solar Panel Care

To ensure efficient charging, periodically clean the surface of the solar panel to remove dust, dirt, or debris that may obstruct sunlight.

6.2. Battery Longevity

The built-in battery is designed for long life. Avoid extreme temperatures and ensure consistent solar charging to maximize battery performance. If the camera is stored for extended periods, ensure it is fully charged before storage and recharged every few months.

6.3. Firmware Updates

Periodically check the UBox 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 camera, refer to the following common problems and solutions:

- **Camera not connecting to app:**
Solution: Ensure the camera is powered on and fully charged. Check 4G LTE signal strength at the installation location. Try resetting the camera using the reset button and re-pairing it with the app.
- **No motion detection alerts:**
Solution: Verify that PIR motion detection is enabled in the UBox app settings and sensitivity is adjusted appropriately. Ensure the camera's view is not obstructed.
- **Poor image quality:**
Solution: Clean the camera lens. Ensure there is sufficient lighting for optimal image capture. Check your cellular data connection speed.
- **Solar panel not charging:**
Solution: Ensure the solar panel is connected securely to the camera. Clean the solar panel surface. Adjust the panel's angle to receive maximum direct sunlight.
- **No recording to SD card:**
Solution: Ensure a Micro SD card is inserted correctly and formatted within the UBox app. Check if the SD card is full; consider enabling loop recording or upgrading to a larger capacity card.
- **Two-way audio not working:**
Solution: Check microphone and speaker permissions for the UBox app on your smartphone. Ensure the camera's microphone and speaker are not obstructed.

8. Specifications

Key technical specifications for the BOAVISION 4G LTE Cellular Solar Security Camera:

Feature	Specification
Model	B0C6T8M837
Effective Still Resolution	5 MP
Video Capture Resolution	1080p, 720p
Connectivity Technology	Wireless (4G LTE Cellular)
Power Source	Solar Powered, 10400mAh Battery
Pan/Tilt Range	355° Horizontal, 90° Vertical
Night Vision	Color Night Vision, Infrared Night Vision (up to 23ft)
Motion Detection	PIR Motion Sensor
Audio	2-Way Audio
Storage Options	Micro SD Card (8-128GB), Cloud Storage

Waterproof Rating	IP66
Compatible Devices	Smartphone (UBox App)
Item Weight	2.33 pounds
Package Dimensions	7.28 x 6.7 x 5.3 inches

9. Warranty and Support

9.1. Warranty Information

BOAVISION products typically come with a limited warranty covering manufacturing defects. Please refer to the product packaging or the official BOAVISION website for specific warranty terms and conditions applicable to your region and purchase date.

9.2. Customer Support

For technical assistance, troubleshooting, or any inquiries regarding your BOAVISION camera, please visit the official BOAVISION website or contact the seller directly through your purchase platform. Always provide your product model (B0C6T8M837) and purchase details when seeking support.

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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

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