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› BOAVISION 4G LTE Cellular Security Camera Outdoor User Manual

BOAVISION B0CJT7QLV7

BOAVISION 4G LTE Cellular Security Camera Outdoor User Manual

Model: B0CJT7QLV7

Brand: BOAVISION

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BOAVISION 4G LTE Cellular Security Camera Outdoor. This camera is designed for outdoor surveillance in areas without Wi-Fi access, utilizing 4G LTE cellular networks for connectivity. It features dual lenses, solar power, battery operation, and advanced detection capabilities. Please read this manual thoroughly before using the product to ensure proper function and safety.

KEY FEATURES

- **100% Wireless & No WiFi Needed:** Operates on 4G LTE cellular networks, ideal for locations without Wi-Fi. Equipped with a 9W solar panel and 6 rechargeable batteries for continuous power.
- **PIR Human Detection & Two-Way Talk:** Features an updated PIR motion sensor and AI algorithms for smart human/animal detection. Receive real-time app notifications and use the built-in microphone and speaker for two-way communication.
- **Dual-Lens & 360° View:** Includes a 2.8mm wide-angle lens and a 6mm telephoto lens. The camera supports 355° pan and 100° tilt control via the mobile application, providing comprehensive coverage.
- **Color Night Vision & IP66 Waterproof:** Built-in white light and infrared light enable clear color images at night. The IP66 waterproof rating ensures reliable operation in various weather conditions (-30°C to 60°C).
- **Cloud/SD Card Secure Data Storage:** Supports local storage via an SD card (up to 128GB, not included) and cloud storage for event recording playback and download via the Ubox APP.

SETUP

1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all parts are present and undamaged. The package should include the camera unit, solar panel, mounting bracket, and necessary screws.

2. SIM Card and SD Card Installation

This camera requires a 4G LTE SIM card (not included) for cellular connectivity. It supports Verizon, T-Mobile, and AT&T networks in North America. An SD card (up to 128GB, not included) is required for local video storage.

1. Locate the SIM card slot and SD card slot on the camera. These are typically protected by a rubber cover.
2. Insert the activated 4G LTE SIM card into the SIM card slot with the gold contacts facing down and the notched corner oriented correctly.
3. Insert the SD card into its designated slot until it clicks into place.
4. Securely close the rubber cover to ensure waterproof sealing.

3. Battery Charging and Solar Panel Connection

The camera is powered by 6 rechargeable batteries and a 9W solar panel.

- Ensure the batteries are fully charged before initial use. You may need to charge them via a USB power adapter (not included) if the solar panel cannot provide sufficient initial charge.
- Connect the solar panel cable to the charging port on the camera.



Image: The BOAVISION 4G LTE Cellular Security Camera with its attached solar panel, illustrating its wireless and solar-powered design. It highlights 6 rechargeable batteries, 100% cable-free operation, an upgraded 9W solar panel, and 365 days of uninterrupted power.

4. Mobile Application Installation (Ubox APP)

1. Download the 'Ubox' app from your smartphone's app store (iOS App Store or Google Play Store).
2. Register a new account or log in if you already have one.

5. Camera Pairing with Ubox APP

1. Power on the camera.
2. Open the Ubox app and follow the on-screen instructions to add a new device.
3. Scan the QR code located on the camera or its packaging.
4. Follow the prompts to complete the pairing process. Ensure your phone has a stable internet connection during this step.



Image: A visual representation of the BOAVISION 4G LTE Camera, emphasizing that it works without Wi-Fi and does not require a router. It shows a 4G SIM card icon and crossed-out icons for cables and a Wi-Fi router.

6. 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. Use the provided mounting bracket and screws to securely attach the camera to a wall or sturdy surface.

2. Adjust the angle of the solar panel to maximize sun exposure throughout the day.



Image: The BOAVISION camera mounted on a wall with its solar panel, illustrating its pan (355°) and tilt (100°) rotation capabilities, controlled via a smartphone app.

OPERATING INSTRUCTIONS

1. Live View and Playback

Access the live video feed and recorded footage through the Ubox app.

- Open the Ubox app and select your camera from the device list to view the live feed.
- To view recorded events, navigate to the 'Playback' section within the app. You can access footage stored on the SD card or in the cloud.

TF card and cloud storage

The illustration is divided into two main sections. The top section features a black BOAVISION camera with a white lens cover and a red 128GB TF card shown below it. To the left of the camera are two red icons: a TF card icon labeled 'TF card storage' and a cloud icon labeled 'Cloud storage'. Below these icons, the text reads 'Max to 128GB TF card (not included)'. The bottom section shows a video player interface with a play button in the center. The video frame displays a collage of images: a garage with a car, a swimming pool, a red door, and a wooden door. Below the video frame is a timeline with a red playhead at approximately 12:45. The timeline is marked with hourly intervals from 09:00 to 15:00.

Image: An illustration of the BOAVISION camera's storage capabilities, highlighting both TF card (SD card) storage up to 128GB (not included) and cloud storage options, with a timeline of recorded events.

2. Pan and Tilt Control

The camera's dual-lens system provides both wide-angle and telephoto views, which can be adjusted remotely.

- In the live view interface of the Ubox app, use the directional controls to pan the camera 355° horizontally and tilt it 100° vertically.

Dual lens displays from 2.8mm - 6mm



2.8 MM: wide field vision



6MM: long focal field of view



Image: A diagram illustrating the dual-lens system of the BOAVISION camera, featuring a 2.8mm ultra-wide-angle lens for a wide field of vision and a 6mm telephoto lens for a long focal field of view.

3. Motion Detection and Alerts

The camera uses PIR human/animal detection to minimize false alarms.

- Configure motion detection sensitivity and alert settings within the Ubox app.
- When motion is detected, the camera will automatically record the event and send a real-time notification to your smartphone.



Image: An illustration showing the BOAVISION camera detecting human motion using its PIR sensor, with a smartphone displaying a real-time motion detection notification from the Ubox app.

4. Two-Way Audio

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

- In the live view, tap the microphone icon to speak through the camera.
- Tap the speaker icon to hear audio from the camera's location.



Image: A scene depicting the BOAVISION camera facilitating two-way audio communication between a person at the camera's location and a user viewing the live feed on their smartphone.

5. Night Vision

The camera automatically switches between infrared and color night vision modes based on ambient light conditions.

- The built-in white light can be activated manually or automatically upon motion detection to provide full-color night vision.

MAINTENANCE

1. Solar Panel Cleaning

Regularly clean the surface of the solar panel to ensure maximum charging efficiency. Dust, dirt, and debris can reduce its performance.

- Use a soft, damp cloth to gently wipe the solar panel. Avoid abrasive cleaners or materials that could scratch the surface.

2. Battery Management

The camera uses rechargeable batteries. While the solar panel provides continuous charging, extreme weather or

prolonged periods of low sunlight may affect battery levels.

- Monitor battery status via the Ubox app.
- If battery levels are consistently low, consider repositioning the solar panel for better sun exposure or manually charging the batteries if accessible.

3. Weather Resistance

The camera has an IP66 waterproof rating, designed to withstand various outdoor conditions.



Image: The BOAVISION camera shown in a rainy environment, illustrating its IP66 waterproof rating and ability to withstand various weather conditions including sun, rain, clouds, and snow.

- Ensure all covers and seals are properly closed after installing SIM/SD cards to maintain waterproof integrity.
- Periodically check for any physical damage that might compromise its weather resistance.

TROUBLESHOOTING

- **Camera not connecting to 4G network:** Ensure the SIM card is activated, has sufficient data, and is inserted correctly. Check for 4G LTE coverage in the installation area. Restart the camera.
- **Battery not charging:** Verify the solar panel is clean and receiving direct sunlight. Check the connection

between the solar panel and the camera. Ensure batteries are properly installed.

- **Motion detection not working:** Check motion detection settings in the Ubox app. Ensure the camera's view is not obstructed. Adjust sensitivity if necessary.
- **Poor image quality:** Clean the camera lenses. Ensure there is adequate lighting for night vision. Check network signal strength for live view streaming.
- **App connectivity issues:** Ensure your smartphone has a stable internet connection. Update the Ubox app to the latest version. Restart your phone and the camera.

SPECIFICATIONS

Brand	BOAVISION
Model	B0CJT7QLV7
Mounting Type	Wall Mount
Video Capture Resolution	1080p
Number of Lenses	2 (Dual-Lens: 2.8mm Wide Angle, 6mm Telephoto)
Connectivity	4G LTE Cellular (No Wi-Fi required)
Alert Type	Motion Only (PIR Human/Animal Detection)
Waterproof Rating	IP66
Solar Panel Wattage	9 watts
Batteries Required	Yes (6 Rechargeable Batteries)
Video Capture Format	MPEG-4
Storage Options	SD Card (up to 128GB), Cloud Storage

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official BOAVISION website. You may also contact customer service through the Ubox app or the retailer where the product was purchased.