BOAVISION S10-4G(US)

BOAVISION Wireless 4G LTE Solar Security Camera User Manual

Model: S10-4G(US)

INTRODUCTION

Thank you for choosing the BOAVISION Wireless 4G LTE Solar Security Camera. This advanced surveillance system is designed for outdoor use, offering true wireless operation through its integrated solar panel, rechargeable battery, and 4G LTE cellular connectivity. With features like 5MP HD imaging, full-color night vision, PIR and radar motion detection, two-way audio, and pan/tilt capabilities, it provides comprehensive security monitoring. This manual will guide you through the setup, operation, and maintenance of your camera.

SAFETY INFORMATION

- Ensure the camera is installed in a location where it is protected from extreme weather conditions beyond its IP65 rating.

- Do not attempt to disassemble or modify the camera. This will void the warranty and may cause damage.

- Use only the specified power adapter or solar panel for charging.

- Keep the camera and its components out of reach of children.

- Properly dispose of batteries according to local regulations.

- This camera is designed for outdoor security surveillance. Do not use it for any illegal purposes.

PACKAGE CONTENTS

Please check the package contents upon opening to ensure all items are present and undamaged.

- BOAVISION 4G LTE Solar Security Camera (S10-4G(US))

- Solar Panel (integrated)

- Mounting Bracket and Screws

- USB Charging Cable

- User Manual

- 4G/LTE Data SIM Card (pre-installed or included separately, check packaging)

PRODUCT OVERVIEW

Familiarize yourself with the main components of your BOAVISION security camera.

Image: The BOAVISION 4G LTE Solar Security Camera, featuring the main camera unit, integrated solar panel, and mounting arm.

Image: A close-up view of the SIM card slot, indicating where the Nano-SIM card is inserted.

- **Camera Lens:** 5MP HD lens for clear image capture.
- **Infrared LEDs:** For black and white night vision.
- **Floodlight LEDs:** For full-color night vision and deterrence.
- **PIR Sensor:** Passive Infrared sensor for motion detection.
- **Microphone:** For audio input during two-way communication.
- **Speaker:** For audio output during two-way communication and alarms.
- **Solar Panel:** Charges the internal battery using sunlight.
- **SIM Card Slot:** For inserting the 4G LTE Nano-SIM card.
- **TF Card Slot:** For local storage of recordings (supports up to 128GB, not included).
- **Reset Button:** Used to reset the camera to factory settings.
- **USB Charging Port:** For initial charging or charging in low light conditions.

SETUP GUIDE

1. Initial Charging

Before first use, fully charge the camera's internal 15600mAh battery using the provided USB cable and a 5V/2A power adapter (not included). A full charge ensures optimal performance, especially before solar charging takes over.

2. SIM Card Installation

This camera operates on a 4G LTE cellular network. A Nano-SIM (4FF) card with an active data plan is required. The included SIM card provides 100MB of data for 30 days. For continued use, you will need to activate or purchase a data plan from a compatible carrier.

Important Note:

- Compatible US Network Operators: T-Mobile, AT&T (Prepaid Data Plan Recommended).
- **NOT compatible with Verizon SIM cards.**
- Ensure the SIM card has both a phone number and data plan.
- The camera is suitable for use in North American areas (US, Mexico, Canada).

1. Locate the SIM card slot on the camera (usually protected by a rubber plug).
2. Carefully insert the Nano-SIM card into the slot with the gold contacts facing down and the notched corner aligned correctly.
3. Push the SIM card in until it clicks into place.
4. Replace the rubber plug firmly to ensure IP65 weatherproofing.

Image: Diagram showing 4G LTE network compatibility with T-Mobile and AT&T, and the data flow from camera to phone.

3. App Installation and Account Creation

Download the official BOAVISION app from the App Store (iOS) or Google Play Store (Android).

1. Search for "BOAVISION" or refer to the QR code in the quick start guide.

2. Install the app on your smartphone.

3. Open the app and register a new account using your email address.

4. Follow the on-screen prompts to complete the registration and login.

4. Camera Pairing/Connection

Once the SIM card is installed and the app is ready, connect your camera to the app.

1. Power on the camera. Wait for the indicator light to show it's ready for connection (refer to app instructions for specific light patterns).

2. In the app, tap "Add Device" or the "+" icon.

3. Select the appropriate camera model or scan the QR code on the camera.

4. Follow the app's instructions to complete the pairing process. This usually involves the camera scanning a QR code displayed on your phone screen.

5. Once connected, you can name your camera and access its live view.

5. Mounting the Camera

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

- Select a location with ample direct sunlight exposure for the solar panel throughout the day.

- Ensure the camera has a clear line of sight to the area you wish to monitor.

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

- Adjust the angle of the solar panel to maximize sun exposure.

- The camera is IP65 weatherproof, suitable for outdoor conditions including rain, sun, dust, and lightning.

Image: The camera mounted on an outdoor wall, illustrating its weatherproof, sun protection, dustproof, and lightning protection capabilities.

OPERATING INSTRUCTIONS

1. Live View and Pan/Tilt Control

Access real-time video feed and control the camera's movement through the app.

- Open the BOAVISION app and select your camera from the device list.
- The live video feed will appear.
- Use the on-screen joystick or swipe gestures to pan (rotate horizontally 360°) and tilt (rotate vertically 120°) the camera lens to view different angles.

Image: A smartphone displaying the live feed from the camera, with arrows indicating 360° pan and 120° tilt functionality.

2. Two-Way Audio

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

- 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.

3. Motion Detection and Alerts

The camera uses PIR and radar detection for accurate motion sensing, reducing false alarms.

- Navigate to the camera settings in the app.

- Adjust motion detection sensitivity and set detection zones if available.

- Enable push notifications to receive instant alerts on your phone when motion is detected.

- The camera can also trigger sound and light alarms upon detection.

Image: A smartphone displaying a notification for detected activity, such as a delivery person at the door.

4. Night Vision Modes

The camera offers both infrared (black and white) and full-color night vision.

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

- Full-color night vision is activated by the built-in floodlights when motion is detected or can be manually toggled in the app.

Image: The BOAVISION camera with its floodlight illuminated, providing bright visibility in a dark outdoor setting.

Image: A split image showing the same house scene in daylight and then in full-color night vision, demonstrating the camera's capability to capture colored images even in darkness.

5. Recording and Playback

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

- **TF Card Storage:** Insert a TF (microSD) card (up to 128GB, not included) into the designated slot for continuous or motion-triggered recording.

- **Cloud Storage:** Subscribe to the optional cloud storage service via the app for secure, remote access to your video history.

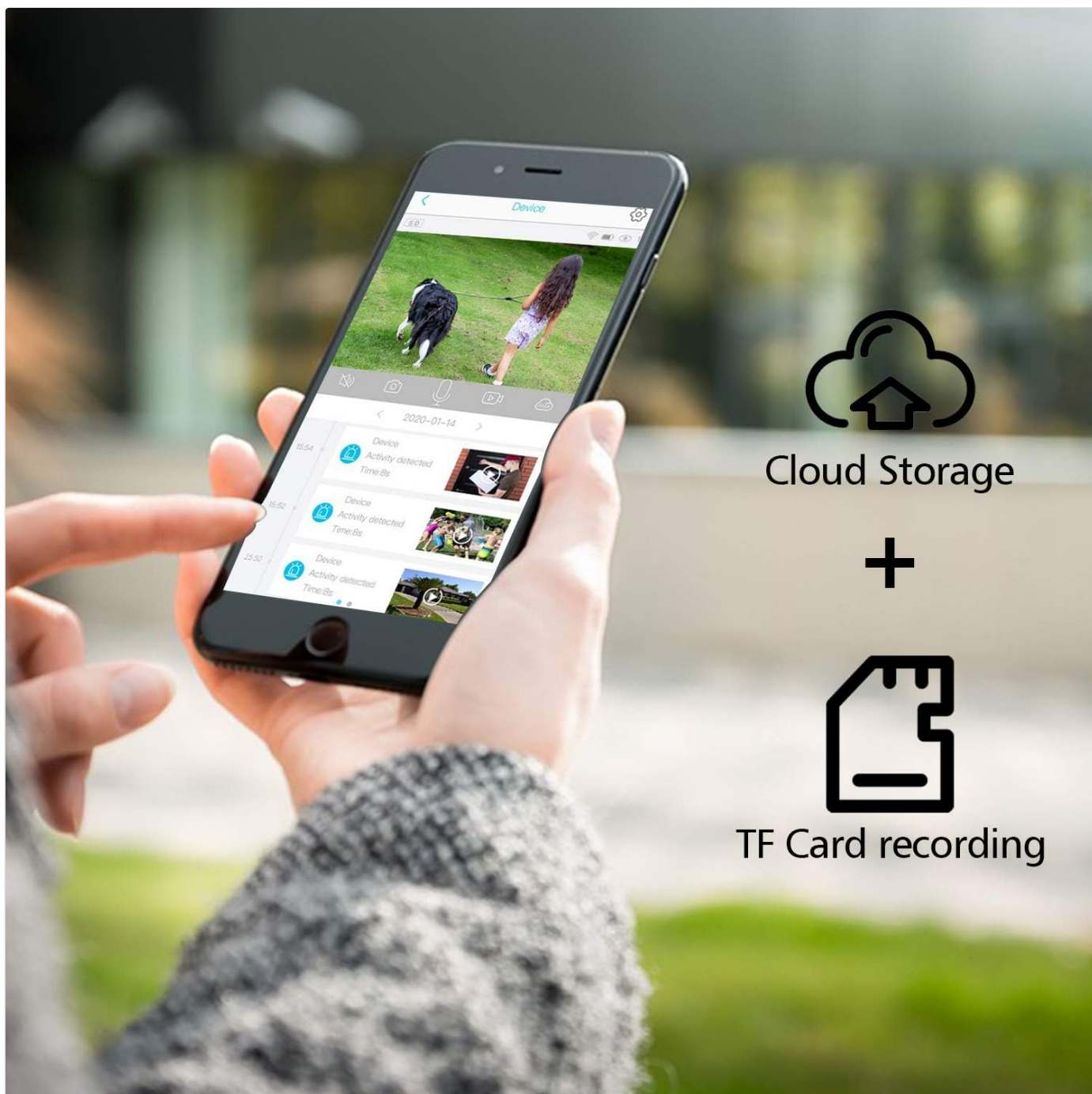- Access recorded videos through the app's playback feature, filtering by date and time.

Image: A smartphone displaying recorded video clips, with icons representing cloud storage and TF card recording options.

MAINTENANCE

- **Cleaning:** Periodically wipe the camera lens and solar panel with a soft, damp cloth to ensure clear images and efficient charging. Do not use harsh chemicals.

- **Battery Care:** While the solar panel keeps the battery charged, avoid prolonged periods of complete discharge. If storing the camera, ensure the battery is at least 50% charged.

- **Firmware Updates:** Regularly check the app for firmware updates. Updates can improve performance, add new features, and enhance security. Follow the in-app instructions for updating.

- **SIM Card Data:** Monitor your 4G data usage to ensure continuous operation. Recharge your data plan as needed.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Camera not connecting to 4G network.	• Ensure SIM card is correctly inserted and activated with a data plan. • Check network signal strength at the camera's location. • Verify the SIM card is from a compatible carrier (T-Mobile, AT&T; NOT Verizon). • Restart the camera.
Battery not charging via solar panel.	• Ensure the solar panel is clean and free of obstructions. • Verify the solar panel is receiving direct sunlight for several hours daily. • Check the connection cable between the solar panel and camera. • Charge the camera fully via USB if the battery is critically low.
Frequent false motion alerts.	• Adjust motion detection sensitivity in the app. • Ensure the camera is not pointing at busy roads or swaying trees. • Clean the PIR sensor lens.
No night vision or poor night vision.	• Ensure the camera's light sensor is not obstructed. • Check if night vision mode is enabled in the app settings. • Verify the floodlight LEDs are not damaged.
App crashes or freezes.	• Ensure your smartphone's operating system is up to date. • Clear the app's cache or reinstall the app. • Check for app updates in your app store.

SPECIFICATIONS

Feature	Detail
Model Number	S10-4G(US)
Image Sensor	5MP HD (1/2.8" image sensor)
Video Resolution	5MP (for clear images and recordings)
Connectivity	4G LTE Cellular Network (T-Mobile, AT&T compatible)
SIM Card Type	Nano-SIM (4FF)
Power Source	Solar Powered, Rechargeable Battery
Battery Capacity	15600mAh Lithium Ion
Solar Panel Wattage	8 watts

Feature	Detail
Night Vision	Full-Color Night Vision (4 floodlight LEDs), Infrared Night Vision (2 IR LEDs)
Motion Detection	PIR and Radar Detection (up to 40ft)
Pan/Tilt Range	Pan 360°, Tilt 120°
Audio	2-Way Audio (Built-in Microphone & Speaker)
Storage Options	Cloud Storage, Local TF Card (up to 128GB)
Weatherproof Rating	IP65
Dimensions (L x W x H)	11 x 7.5 x 6.2 inches
Weight	4.55 pounds
Compatible App	Android / iOS App

WARRANTY AND SUPPORT

BOAVISION products come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official BOAVISION website.

If you encounter any issues with your BOAVISION 4G camera or require technical assistance, please contact BOAVISION customer support. You can typically find contact information (email, phone, or support portal) on the BOAVISION website or through your Amazon order details.

Technical Support Service: If you have any issue with Boavision 4G camera, please contact us by your Amazon order, we will reply within 24 hours!