GENBOLT GB216K

GENBOLT Solar Security Camera User Manual

Model: GB216K | Brand: GENBOLT

1. INTRODUCTION

The GENBOLT Solar Security Camera is a 100% wire-free outdoor surveillance solution designed for easy installation and reliable performance. Featuring a 4W solar charging panel and a 7800mAh rechargeable battery, it ensures continuous operation without the need for external power wires or Ethernet cables. This camera offers 1080P color night vision, enhanced PIR human detection with floodlight alarm, and PTZ (Pan-Tilt-Zoom) capabilities for comprehensive area coverage. Its IP66 waterproof rating ensures durability in various weather conditions.

Figure 1: GENBOLT Solar Security Camera with included solar panel.

2. WHAT'S IN THE BOX

Please verify that all components are present upon opening the package:

- Camera Body
- Solar Panel
- User Manual
- Bracket
- Screws

Figure 2: Included components and camera dimensions.

3. SETUP

3.1 Physical Installation

The GENBOLT Solar Security Camera is designed for flexible, 100% wire-free installation. Choose a location with ample sunlight for the solar panel and a clear view for the camera. The included 10FT extension cord allows for split installation of the solar panel and camera.

1. **Select Location:** Identify a suitable outdoor location for the camera and solar panel. Ensure the solar panel receives direct sunlight for most of the day.

2. **Mount Bracket:** Use the provided screws and bracket to securely mount the camera to a wall or other stable surface.

3. **Attach Solar Panel:** Attach the solar panel to the camera or mount it separately using its own bracket and screws. Connect the solar panel to the camera's Type-C charging port.
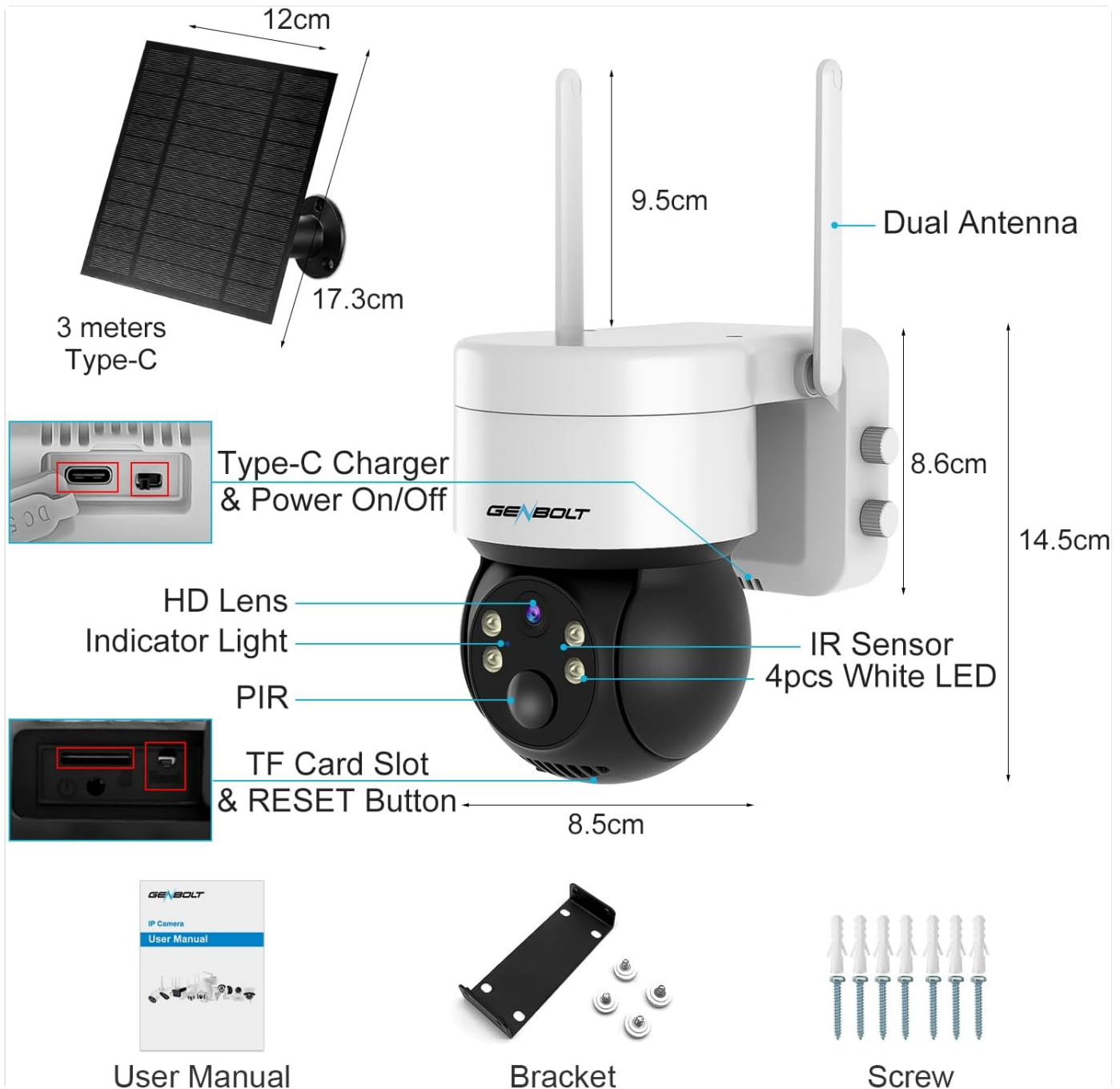
4. **Power On:** Ensure the camera is powered on.

12cm

17.3cm

3 meters
Type-C

9.5cm

Dual Antenna

Type-C Charger
& Power On/Off

8.6cm

14.5cm

HD Lens
Indicator Light
PIR

IR Sensor
4pcs White LED

TF Card Slot
& RESET Button

8.5cm

GENBOLT
IP Camera
User Manual

User Manual

Bracket

Screw

Figure 3: Flexible split installation using the 10FT extension cord.

4W Solar Charging Panel
Built-in **7800mAh**
High-capacity rechargeable batteries

Figure 4: The 4W solar charging panel keeps the 7800mAh battery charged.

Your browser does not support the video tag.

Video 1: Overview of the Solar Security Camera and its easy installation process.

3.2 App Setup

To access and control your camera, download the official GENBOLT app on your smartphone or tablet.

1. **Download App:** Search for "GENBOLT" in your device's app store (iOS or Android) and download the official application.

2. **Create Account:** Open the app and follow the on-screen instructions to create a new user account.

3. **Add Device:** Tap the "+" icon or "Add Device" option within the app. Select your camera model and follow the prompts to connect it to your home WiFi network. This typically involves scanning a QR code displayed on the camera or entering network details.

4. **Complete Setup:** Once connected, you can name your camera and begin customizing settings.

4. Operating the Camera

4.1 Live View and PTZ Control

Access the live video feed from your camera through the GENBOLT app. Use the on-screen controls to pan the camera 355° horizontally and tilt it 90° vertically, allowing you to monitor a wide area.

Figure 5: Pan and Tilt functionality for wide area surveillance.

4.2 Motion Detection and Alerts

The camera features an enhanced PIR sensor that detects human motion, minimizing false alarms. When motion is detected, you will receive real-time smartphone alerts. The integrated floodlight can also be configured to activate upon detection, deterring intruders.

Figure 6: PIR Human Detection provides real-time smartphone alerts.

Figure 7: Active lighting defense with automatic floodlight activation upon alarm.

4.3 Two-Way Audio

Communicate with visitors or deter unwanted guests using the camera's built-in microphone and speaker. This two-way audio function allows for real-time conversation through the app.

Figure 8: Two-way audio allows for real-time communication.

4.4 Night Vision

The camera provides 1080P color night vision, ensuring clear and detailed images even in low-light conditions. The bright floodlight enhances visibility and color accuracy at night.

Figure 9: 1080P Color Night Vision for clear nighttime surveillance.

4.5 Recording and Playback

The camera supports local storage via a Micro SD card (up to 128GB, not included) for continuous recording or motion-triggered events. Recorded footage can be easily accessed and played back through the GENBOLT app.

5. MAINTENANCE

5.1 Battery Management

The camera's 7800mAh battery is primarily charged by the 4W solar panel. Ensure the solar panel is clean and free from obstructions (like dirt, leaves, or snow) to maximize charging efficiency. In periods of prolonged low sunlight, the battery may require manual charging via the Type-C port.

5.2 Cleaning

Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure optimal image quality and charging performance. Avoid using harsh chemicals or abrasive materials that could damage the surfaces.

4W Solar Charging Panel
Built-in **7800mAh**
High-capacity rechargeable batteries

Figure 10: Keep the solar panel clean for efficient charging.

6. TROUBLESHOOTING

If you encounter issues with your GENBOLT Solar Security Camera, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
Camera Offline	Weak Wi-Fi signal, low battery, app issue.	Check Wi-Fi signal strength at camera location. Ensure solar panel is clean and receiving sunlight, or manually charge the battery. Restart the camera and/or the app.
No Motion Alerts	PIR sensitivity too low, detection zone not set, app notifications disabled.	Adjust PIR sensitivity in app settings. Verify detection zones are correctly configured. Enable notifications for the GENBOLT app in your phone's settings.

Problem	Possible Cause	Solution
Poor Night Vision	Dirty lens, insufficient ambient light, floodlight setting.	Clean the camera lens. Ensure the floodlight is enabled for color night vision if desired.
Two-Way Audio Not Working	Microphone/speaker muted in app, network latency.	Check audio settings in the app to ensure microphone and speaker are enabled. Verify stable network connection.

7. SPECIFICATIONS

Feature	Detail
Model	GB216K
Indoor/Outdoor Usage	Indoor, Outdoor
Power Source	Solar Powered
Battery Capacity	7800 mAh
Solar Panel Wattage	4W
Connectivity Protocol	Wi-Fi
Video Capture Resolution	1080P (1296p effective)
Pan Angle	355 Degrees
Tilt Angle	90 Degrees
Viewing Angle	120 Degrees
Night Vision Range	10 Meters
Water Resistance Level	IP66 Waterproof
Storage	Micro SD (up to 128GB)
Dimensions (L x W x H)	3.54 x 5.12 x 5.12 inches
Item Weight	2.22 pounds

8. WARRANTY AND SUPPORT

GENBOLT is committed to providing excellent customer service and product support.

- **30-Day Exchange:** Enjoy a 30-day exchange policy for your product.
- **1-Year Warranty:** The GENBOLT Solar Security Camera comes with a 1-year limited warranty from the date of purchase.
- **Free Technical Support:** Lifetime free technical support is guaranteed.

For technical assistance or warranty inquiries, please contact us:

Email: us@genbolt.com

Phone (Local Support): +1 (778)807-9710 (Monday - Friday, 5:30 AM to 10:30 AM PST)