

Bolyguard BG710-M

Bolyguard BG710-M 4G Trail Camera User Manual

Model: BG710-M

1. INTRODUCTION

Thank you for choosing the Bolyguard BG710-M 4G Trail Camera. This device is designed for outdoor surveillance, wildlife monitoring, and security applications, offering high-resolution images and videos, robust night vision capabilities, and 4G cellular connectivity for remote data transmission. This manual will guide you through the setup, operation, and maintenance of your camera to ensure optimal performance.

2. PRODUCT OVERVIEW

2.1 Key Features

- **24 Megapixel (MP) Image Resolution:** Captures high-quality still images.
- **1080P High Definition (HD) Video:** Records clear video footage.
- **4G Cellular Connectivity:** Enables remote transmission of photos and videos via MMS or email.
- **IP66 Waterproof Rating:** Ensures durability and protection against dust and strong jets of water, suitable for outdoor use.
- **Infrared Night Vision:** Provides clear imaging in low-light or no-light conditions up to 100 feet.
- **Motion Sharp Technology:** Enhances clarity of images captured during motion.
- **Low Power Consumption:** Designed for extended battery life.
- **Sound Recording:** Captures audio with video footage.

2.2 Package Contents

Upon unpacking, please verify that all items listed below are present:

- Bolyguard BG710-M Trail Camera
- Antenna
- Mounting Strap

- USB Cable
- User Manual (this document)



Image 2.2.1: Bolyguard BG710-M Package Contents. This image displays the trail camera, its detachable antenna, a durable mounting strap, a USB cable for data transfer, and the included user manual.

2.3 Camera Components



Image 2.3.1: Front view of the Bolyguard BG710-M Trail Camera. The image shows the camouflage-patterned camera body, the lens, infrared LEDs, motion sensors, control buttons (Menu, Up, Down, OK), and a small display screen. A black antenna is attached to the top right side.

The BG710-M camera features a robust, weather-resistant casing. Key external components include:

- **Main Lens:** Captures images and videos.
- **PIR Sensors:** Passive Infrared sensors detect motion.
- **Infrared LEDs:** Provide illumination for night vision without visible flash.
- **LCD Display:** For menu navigation and viewing captured media.
- **Control Buttons:** MENU, UP, DOWN, OK for navigating settings.
- **Antenna:** For 4G cellular communication.
- **USB Port:** For connecting to a computer.

- **External Power Port:** For optional external power sources like a solar panel.

3. SETUP

3.1 Battery Installation

The BG710-M camera operates on 18650 rechargeable batteries (not included). For optimal performance, use high-quality 18650 lithium-ion batteries.

1. Open the camera's battery compartment.
2. Insert the 18650 batteries according to the polarity indicators (+/-).
3. Securely close the battery compartment.



Image 3.1.1: Low power consumption feature. This image illustrates the camera's energy efficiency, showing a clock icon indicating extended battery life, with a leopard resting in the foreground.

Optional: The camera supports external power via a solar panel (e.g., Bolyguard SP-01) for continuous operation.

Rechargeable batteries and external solar panel for option,
no need to worry about power off !



Image 3.1.2: Optional power solutions. This image shows the camera mounted on a tree, alongside illustrations of a solar panel (SP-01) and two 18650 batteries, highlighting alternative power options.

3.2 SIM Card and SD Card Installation

A SIM card is required for 4G cellular functions, and an SD card (up to 32GB, Class 10 recommended) is necessary for storing photos and videos.

1. Open the camera's side latch to access the internal compartment.
2. Insert the SIM card into the designated slot with the metal contacts facing down and the notched corner oriented correctly.
3. Insert the SD card into its slot until it clicks into place.
4. Close the compartment latch securely to maintain the IP66 rating.

3.3 Mounting the Camera

Use the provided mounting strap to secure the camera to a tree or pole.

1. Thread the strap through the slots on the back of the camera.

2. Wrap the strap around the desired mounting object (e.g., tree trunk).
3. Pull the strap tight and secure it.
4. Adjust the camera angle as needed.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on, slide the power switch to the "ON" position. The camera will enter setup mode.
- To power off, slide the power switch to the "OFF" position.

4.2 Menu Navigation

Use the control buttons (MENU, UP, DOWN, OK) to navigate through the camera's settings on the LCD display.

- **MENU:** Enters/exits the menu, or goes back to the previous screen.
- **UP/DOWN:** Navigates through menu options.
- **OK:** Confirms selection or enters a sub-menu.

4.3 Recording Modes

The BG710-M supports various recording modes:

- **Photo Mode:** Captures still images when motion is detected.
- **Video Mode:** Records video clips when motion is detected.
- **Photo + Video Mode:** Captures a still image followed by a video clip.

Motion sharp technology, clearer picture;



 Motion sharp
Technology

Image 4.3.1: Motion Sharp Technology in action. This image depicts the camera capturing a deer in mid-stride, with graphical overlays indicating motion detection and the benefit of "Motion sharp technology" for clearer pictures.

4.4 Night Vision

The camera automatically switches to night vision mode in low-light conditions, utilizing its infrared LEDs to capture clear black and white images and videos without disturbing wildlife.

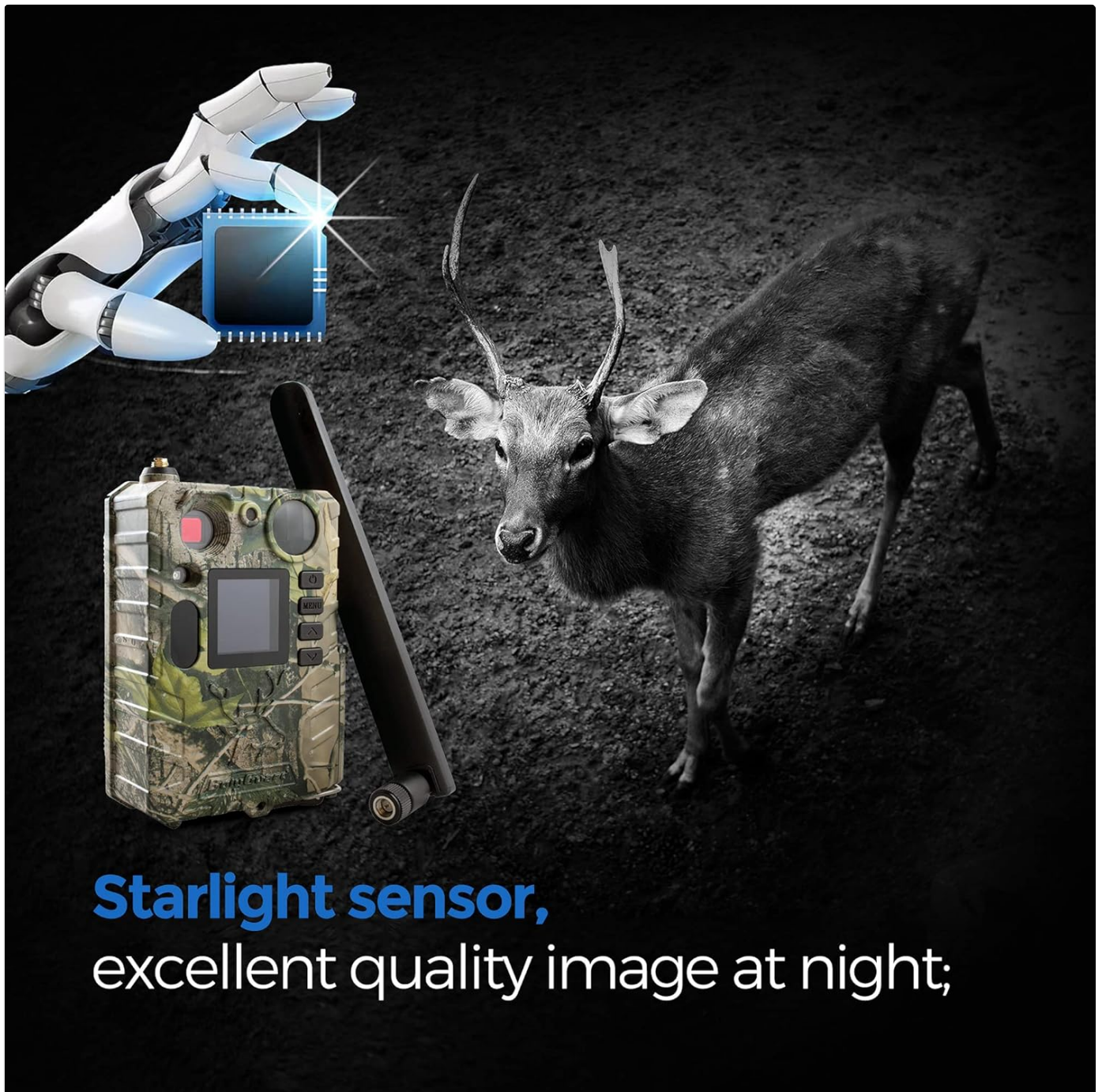


Image 4.4.1: Starlight sensor for night imaging. This image highlights the camera's starlight sensor capability, showing the camera next to a deer in a dark, nocturnal setting, emphasizing excellent image quality at night.

4.5 4G Cellular Communication

With a properly configured SIM card, the BG710-M can send captured photos and videos to your smartphone or email address.

- **MMS:** Sends images directly to your phone as multimedia messages.
- **Email:** Sends images and videos to a specified email address.

Configuration for 4G transmission typically involves setting up APN settings and recipient details within the camera's menu or via a dedicated mobile application (if available). Refer to the camera's advanced settings for detailed configuration.



4G^{LTE} camera

Receive pictures and videos simultaneously;

Image 4.5.1: 4G LTE camera functionality. This image illustrates the camera's ability to receive pictures and videos simultaneously on a smartphone, showcasing its 4G LTE connectivity.



Image 4.5.2: 4G Wireless Communication. This image demonstrates the camera's 4G LTE capabilities, showing data being sent via MMS to a smartphone and via email to a laptop, with a SIM card icon indicating cellular service.

4.6 Sound Recording

The camera is equipped with a microphone to record audio along with video footage, providing additional context to your recordings. This feature can be enabled or disabled in the camera settings.



Image 4.6.1: Sound Recording feature. This image illustrates the camera's sound recording capability, with a microphone and sound wave icon next to a roaring bear, indicating that audio can be captured.

5. MAINTENANCE

5.1 Cleaning

- Regularly clean the camera lens and PIR sensors with a soft, dry cloth to ensure clear images and proper motion detection.
- Wipe the camera body with a damp cloth if it becomes dirty. Avoid harsh chemicals.

5.2 Storage

- When not in use for extended periods, remove batteries to prevent leakage.
- Store the camera in a cool, dry place away from direct sunlight.

5.3 Firmware Updates

Check the Bolyguard official website periodically for firmware updates. Updating firmware can improve camera performance and add new features. Follow the instructions provided with the firmware update carefully.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	<ul style="list-style-type: none">• Batteries are dead or incorrectly inserted.• Power switch is in the OFF position.	<ul style="list-style-type: none">• Replace or recharge batteries; check polarity.• Ensure power switch is in the ON position.

Problem	Possible Cause	Solution
No images/videos captured.	<ul style="list-style-type: none"> • SD card is full, corrupted, or not inserted. • PIR sensitivity is too low or blocked. • Camera is in the wrong operating mode. 	<ul style="list-style-type: none"> • Format or replace SD card; ensure it's inserted correctly. • Increase PIR sensitivity; clear any obstructions. • Check and set the desired recording mode.
Poor image/video quality.	<ul style="list-style-type: none"> • Lens is dirty. • Insufficient lighting (for color images at night). • Subject is too far or moving too fast. 	<ul style="list-style-type: none"> • Clean the lens. • Ensure camera is within effective range for night vision. • Adjust camera placement or settings.
Camera not recognized by computer via USB.	<ul style="list-style-type: none"> • Faulty USB cable or port. • Driver issues on the computer. • Camera firmware issue. 	<ul style="list-style-type: none"> • Try a different USB cable or computer port. • Ensure camera is in the correct USB mode (if applicable). • Check for and install necessary drivers or firmware updates from Bolyguard's website.
4G transmission not working.	<ul style="list-style-type: none"> • No SIM card or incorrect installation. • Insufficient cellular signal. • Incorrect APN settings or recipient details. • SIM card has no credit or data plan. 	<ul style="list-style-type: none"> • Install SIM card correctly; ensure it's activated. • Relocate camera to an area with better signal. • Verify APN settings and recipient email/phone numbers. • Check SIM card balance and data plan.

7. SPECIFICATIONS

Feature	Detail
Brand	Bolyguard
Model Name	BG710-M
Effective Video Resolution	1080 Pixels (1080p)
Special Features	HD Resolution, Night Vision
Connectivity Technology	Wireless (4G LTE)
Usage Environment	Outdoor
Compatible Devices	Smartphone
Mounting Type	Wall Mount (implies strap/bracket)
Recommended Uses	Tracking Camera
Power	3 Watts

Feature	Detail
Batteries Required	Yes (18650 type, not included)
Dimensions (Package)	12 x 8 x 5 cm; 450 grams

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Bolyguard website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Important Note: The manufacturer is Boly Media Communication. For any issues related to device recognition by a computer, ensure you have the latest drivers and firmware, and try different USB cables and ports.

