TEC.BEAN SG-009

TEC.BEAN SG-009 12 MP HD 1080P Trail Camera User Manual

Model: SG-009

Introduction

Thank you for choosing the TEC.BEAN SG-009 12 MP HD 1080P Trail Camera. This manual provides detailed instructions for setting up, operating, and maintaining your camera. Please read this manual thoroughly before using the device to ensure optimal performance and longevity. This camera is designed for outdoor use, including wildlife observation, hunting, and property surveillance.

Product Overview

Key Features

- **High Resolution Imaging:** Captures 12 MP still images and Full HD 1080P videos with sound.
- **Fast Trigger Speed:** Detects motion and triggers recording in 0.6-0.8 seconds.
- **Advanced Night Vision:** Equipped with 36 940nm black IR LEDs for clear black and white night vision up to 23 meters (75 feet).
- **Multiple Capture Modes:** Supports Photo, Video, Photo+Video (Hybrid), Time Lapse, and Motion Detection modes.
- **Durable and Waterproof:** IP66 rated for protection against dust, shocks, and corrosion, suitable for temperatures from -30°C to 60°C.
- **2.0-inch Color LCD Screen:** For easy menu navigation, viewing photos/videos, and displaying essential information like time, date, temperature, and moon phase.
- **Password Protection:** Secures your device from unauthorized access.

Package Contents

- 1x TEC.BEAN SG-009 Trail Camera
- 1x USB Cable
- 1x TV Output Cable
- 1x Mounting Belt
- 1x User Manual
- 1x Warranty Card

Note: 8x AA batteries and an SD card (up to 32GB) are required and not included.

Setup

1. Battery Installation

1. Open the camera casing.
2. Locate the battery compartment.
3. Insert 8 AA batteries, ensuring correct polarity.
4. Close the battery compartment securely.



Image: Detailed view of the TEC.BEAN SG-009 camera with labels for components, including the battery slot. Pull the battery slot out to insert 8 AA batteries.

2. SD Card Insertion

1. Ensure the camera is powered off.

2. Locate the SD card slot.
3. Insert a Class 10 SD card (up to 32GB) into the slot until it clicks.
4. To remove, press the card gently until it springs out.

3. Initial Configuration

1. Switch the camera to the **TEST** position. The 2.0-inch LCD screen will turn on.
2. Press the **MENU** button to access settings.
3. Navigate using the **UP**/**DOWN** buttons and confirm with **ENTER**.
4. Set the current **Date and Time**.
5. Select your preferred **Language** (English, French, etc.).
6. Format the SD card (recommended for first use) via the **Format Card** option in the menu.
7. Configure other settings such as **Image Resolution**, **Video Resolution**, **PIR Sensitivity**, **Capture Mode**, etc., according to your needs.

Operating Instructions

Modes of Operation

The camera features three main operating positions:

- **OFF:** Power off the camera.
- **TEST:** Allows you to adjust settings, view captured media, and manually take photos/videos. The PIR sensor is active in this mode for testing detection range.
- **ON:** Activates the camera for automatic recording based on your configured settings. The screen will turn off after a few seconds to conserve power, and the camera will enter surveillance mode.

Setting Capture Modes

In **TEST** mode, access the menu to select your desired capture mode:

- **Photo Mode:** Captures still images when motion is detected. You can set the number of shots per trigger (1-9).
- **Video Mode:** Records video clips when motion is detected. You can set the video length (5-90 seconds).
- **Hybrid Mode (Photo + Video):** Captures a still image followed by a video clip upon motion detection.
- **Time Lapse Mode:** Takes photos at set intervals (1 second to 60 minutes) regardless of motion.



Image: Examples of Hybrid (Photo + Video) and Motion Detection modes in action, showing a bear and a chameleon being captured by the camera.



Image: Illustration of the camera's 0.6-0.8 second trigger speed and multi-shooting capability, capturing a squirrel in successive frames.

Night Vision Operation

The camera automatically switches to night vision mode when ambient light is low. The 36 940nm IR LEDs provide invisible illumination, capturing clear black and white images and videos without disturbing wildlife.

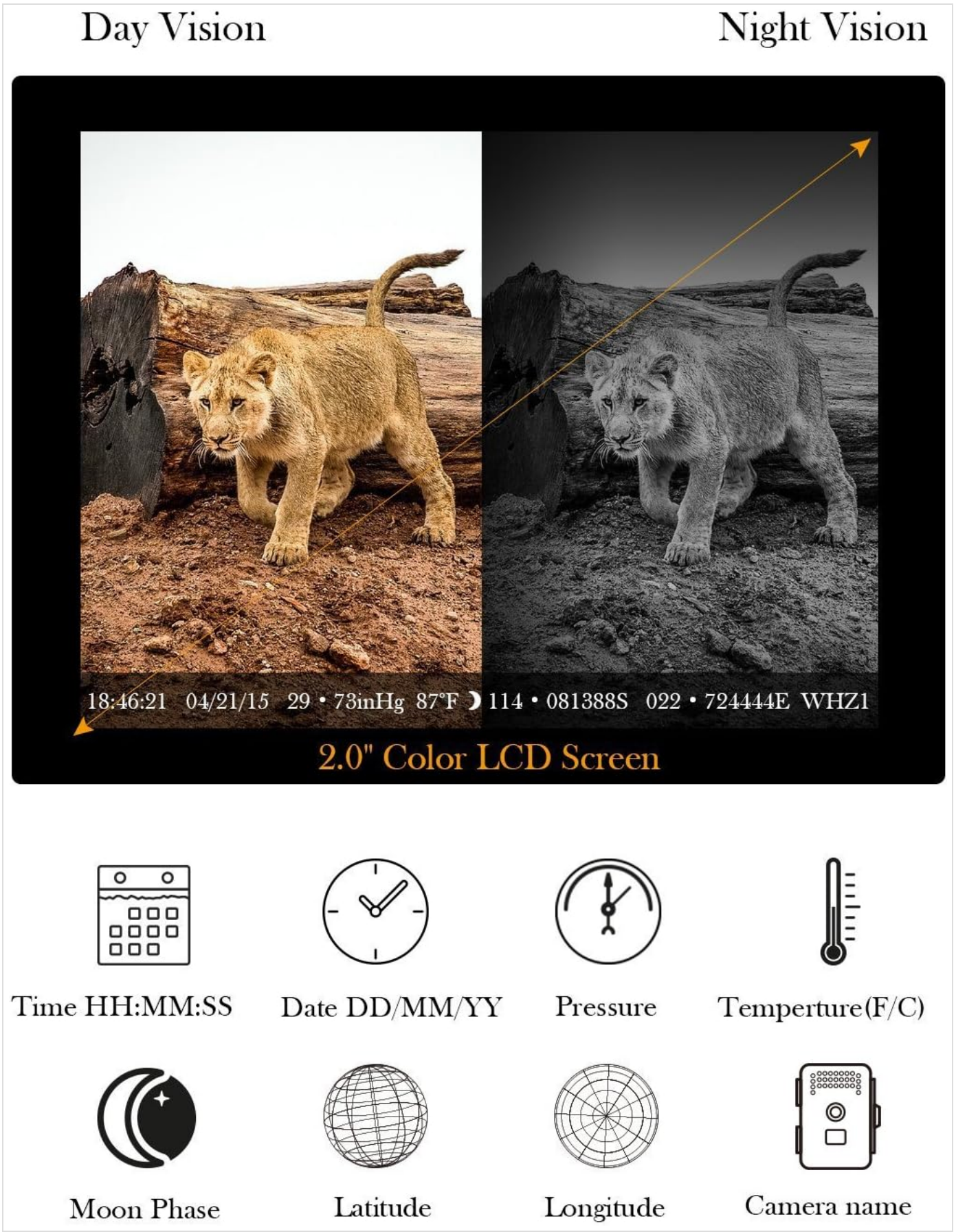


Image: Split image showing a lion cub in Day Vision (color) and Night Vision (black and white), demonstrating the camera's automatic mode switching.



Image: Visual comparison of 8MP and 12MP image quality, highlighting the 36 940nm black IR LEDs and their 23m (75ft) night vision range.

Mounting the Camera

Use the provided mounting belt to secure the camera to a tree or pole. Ensure the camera is stable and positioned to capture the desired area. The camera also features a tripod nut for alternative mounting options.

Maintenance

- **Cleaning:** Wipe the camera lens and PIR sensor window with a soft, dry cloth. Avoid abrasive materials or harsh chemicals.
- **Battery Replacement:** Replace all 8 AA batteries when the low battery indicator appears on the screen or when performance degrades.
- **SD Card Management:** Regularly check the SD card capacity. Format the card periodically to maintain optimal performance and prevent data corruption.
- **Environmental Protection:** While the camera is IP66 waterproof, avoid submerging it in water. Ensure the casing is securely closed to prevent moisture ingress.



Image: The TEC.BEAN SG-009 camera in a rainy environment, illustrating its IP66 waterproof grade for outdoor durability.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not powering on	• Batteries inserted incorrectly or depleted. • Camera switch in OFF position.	• Check battery polarity and replace with fresh AA batteries. • Switch to TEST or ON mode.

Problem	Possible Cause	Solution
No photos/videos captured	• SD card full or not inserted correctly. • PIR sensitivity too low or blocked. • Camera in OFF or TEST mode (not ON for automatic capture).	• Insert/re-insert SD card, format if necessary, or use a new card. • Adjust PIR sensitivity in settings. Ensure no obstructions in front of the sensor. • Switch the camera to ON mode for automatic recording.
Poor night vision quality	• IR LEDs obstructed or dirty. • Subject too far from the camera.	• Clean the IR LED panel. • Ensure the subject is within the 23m (75ft) night vision range.
Short battery life	• Frequent triggers/recordings. • Low-quality batteries. • Extreme cold weather.	• Reduce PIR sensitivity or recording frequency if possible. • Use high-quality alkaline or rechargeable AA batteries. • Consider external 12V DC power source or solar panel for extended use in cold environments.
Incorrect language display (e.g., "oui" for "no")	• Known software bug in certain language settings.	• Be aware of potential inversions for "Yes/No" prompts in non-English languages. Confirm actions carefully. • Check the manufacturer's website for firmware updates.

Specifications

Feature	Detail
Display	2.0-inch TFT LCD Color Screen
Image Sensor Resolution	12.0 MP
PIR Angle of View	65°
Lens FOV	60° (Max: 62°), F=2.4, Automatic IR Filter
IR LEDs	36 PCS / 940nm Black IR LEDs
Night Vision Range	0-23 meters (0-75 feet)
Memory	SD Card (not included), up to 32 GB (Class 10 recommended)
Image Resolution	12MP (4000x3000), 8MP (3840x2160), 5MP (2944x1656), 2MP (1920x1080) (JPEG)
Video Resolution	HD 1920x1080 (15fps), 1080x720 (30fps) (AVI)
Audio Recording	Yes
Digital Zoom	2x, 3x, 4x
Trigger Speed	0.6-0.8 seconds
Trigger Interval	1 second - 60 minutes (programmable)
Multi-shot Capability	1-9 photos per trigger (programmable)
Video Length	5-90 seconds (programmable)

Feature	Detail
Power Supply	8x AA batteries, 12V DC external power (solar panel or external battery, not included)
Standby Time	Up to 6 months (with 8x AA batteries)
Ports	TV Out (NTSC, PAL), USB, SD Card, Micro SD
Waterproof Rating	IP66
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	20% to 85% (non-condensing)
Dimensions	13.5 x 6 x 9 cm
Weight	380 Grams
Safety Standards	CE, FCC, RoHS

Warranty and Support

The TEC.BEAN SG-009 Trail Camera comes with a **1-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.
For technical support, troubleshooting assistance, or warranty inquiries, please refer to the contact information provided on your warranty card or visit the official TEC.BEAN website.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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