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GardePro A3 48MP

GardePro A3 Trail Camera User Manual

Model: **A3 48MP**

Brand: **GardePro**

1. OVERVIEW

The GardePro A3 Trail Camera is a high-performance device designed for capturing wildlife images and videos with exceptional clarity and reliability. Featuring advanced imaging technology and robust construction, it is suitable for various outdoor monitoring applications, from wildlife observation to property surveillance.



Figure 1: Front view of the GardePro A3 Trail Camera, showcasing its compact and camouflaged design.

Key features include a 48MP still image resolution, 1296p HD video recording with H.264 compression, and a 100ft clear infrared night vision range. Its rapid 0.1s trigger speed and 90ft detection distance ensure you never miss a moment. The camera is also designed for ease of use with intuitive controls and a durable, waterproof build.

2. WHAT'S IN THE BOX

Upon unboxing your GardePro A3 Trail Camera, please ensure all the following components are present:

- GardePro A3 Trail Camera Unit
- Mounting Strap
- Instruction Manual
- Mini-USB Cord

Note: 8 AA 1.5V batteries and a standard SD card (up to 512GB) are required for operation and are not included.

3. SETUP GUIDE

3.1. Battery Installation

1. Open the camera housing by unlatching the side clips.
2. Locate the battery compartment on the right side.
3. Insert 8 AA 1.5V batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

3.2. SD Card Insertion

1. Locate the SD card slot at the bottom of the control panel.
2. Insert a standard SD card (up to 512GB) into the slot until it clicks into place.
3. To remove, gently push the card in until it springs out.

Super Easy to Set Up and Operate



Regular SD Card Slot Design Max Capacity 512GB

Easy to install and remove SD card



Built-in 2.4" Color Screen

Easy to program camera



User Friendly UI/Settings

Setup within 1 minute



Ergonomic Keypad Design

Easy and comfortable to operate



Require 8 AA 1.5V batteries, NOT INCLUDED (User Supplied)
Require a regular SD card, NOT INCLUDED (User Supplied)

Figure 2: Internal view of the camera, highlighting the SD card slot and battery compartment.

3.3. Mounting the Camera

The GardePro A3 can be mounted using the included strap or a tripod base.

1. **Using the Mounting Strap:** Thread the mounting strap through the brackets on the back of the camera. Securely fasten the camera to a tree or pole at the desired height and angle.
2. **Using a Tripod:** The camera features a 1/4"-20 tripod base for alternative mounting options.



Figure 3: GardePro A3 Trail Camera securely mounted on a tree using the provided strap.

4. OPERATING INSTRUCTIONS

4.1. Powering On and Off

- To power on, slide the ON/OFF/SET switch to the "SET" position to access the menu or "ON" to begin recording.
- To power off, slide the switch to the "OFF" position.

4.2. Navigating the Menu

The camera features TV remote-style operation buttons and a 2.4" high-resolution color screen for easy navigation.

- Press the **MENU** button to enter the settings menu.
- Use the **UP/DOWN** arrow buttons to scroll through options.

- Use the **LEFT/RIGHT** arrow buttons to change settings within an option.
- Press the **OK** button to confirm selections.

Parts and Controls



Figure 4: Detailed view of the camera's control panel, showing the menu buttons and display screen.

4.3. Capture Modes

The GardePro A3 offers three primary capture modes:

- **Photo Mode:** Captures still images.
- **Video Mode:** Records video clips.
- **Photo and Video Mode:** Captures a still image followed by a video clip.

Adjust these settings in the camera's menu to suit your monitoring needs.

5. DETAILED FEATURES

5.1. Image and Video Quality

The A3 camera excels in capturing high-quality visuals:

- **Still Pictures:** Up to 48MP resolution for detailed images.
- **Video Recording:** Advanced H.264 1296p@30fps video with sound, providing clear and smooth replays. The MP4 format ensures wide compatibility.

Exceptional Image Clarity - 48MP Picture & H.264 Video

Advanced Encoder and Exclusive Algorithm Combine to Produce Clear Smooth Pictures and Videos



48MP Pictures



1296p
Full HD Video



Higher Compression
Save 80% Storage



Audio
Recording

Figure 5: Visual representation of the camera's high image and video resolution capabilities.

5.2. Night Vision Capabilities

Equipped for superior low-light performance:

- **Sony Starvis Image Sensor:** Ensures excellent low light sensitivity.
- **No Glow Infrared LEDs:** Provides clear night vision up to 100ft in total darkness without disturbing wildlife.
- **Auto Exposure & Blur Reduction:** Algorithms enhance image clarity in challenging conditions.

Innovative Night Vision - Clear Images in Total Darkness



**Sony Stavis
Sensor**



**Premium
Starlight Lens**



**Advanced
No-Glow IR Leds**



**Blur Reduction
Algorithm**

Figure 6: Illustration of the advanced components contributing to the camera's superior night vision.

5.3. Motion Detection

The camera's motion detection system is designed for precision:

- **0.1s Trigger Speed:** Captures fast-moving subjects instantly.
- **0.5s Recovery Time:** Ensures minimal delay between consecutive captures.
- **90ft Detection Distance:** Wide detection range to cover large areas.
- **Pre-activated Technology:** Minimizes missed events by initiating recording before the subject is fully in frame.

Excellent Motion Detection Performance

Preactivated Technology with Three Detection Zones Design



Figure 7: Diagram illustrating the camera's three detection zones and fast trigger/recovery times.

5.4. Additional Features

- **Time Stamp:** Records date, time, and temperature on images/videos.
- **Operation Hours:** Set specific times for the camera to be active.
- **Time Lapse:** Capture images at set intervals for time-lapse sequences.
- **Loop Recording:** Overwrites oldest files when the SD card is full.
- **Long Standby Time:** Up to 8 months on a single set of batteries (depending on usage and battery type).
- **Waterproof Design:** IP66 rated for reliable outdoor use in various weather conditions.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the lens and PIR sensors with a soft, dry cloth to ensure clear images and proper

detection. Avoid abrasive cleaners.

- **Battery Check:** Monitor battery levels periodically, especially before extended deployments. Replace all 8 AA batteries simultaneously for optimal performance.
- **SD Card Management:** Format the SD card regularly to prevent data corruption and ensure sufficient storage space. Back up important files before formatting.
- **Environmental Protection:** While waterproof, avoid submerging the camera. Ensure the casing is securely latched to prevent moisture ingress.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------------|---|---|
| Camera not powering on | Low or dead batteries; Incorrect battery polarity. | Replace all batteries with new ones; Ensure correct +/- orientation. |
| Poor image/video quality | Dirty lens/sensor; Low light conditions; Incorrect settings. | Clean lens/sensor; Adjust settings for optimal quality (e.g., higher resolution); Ensure sufficient IR illumination at night. |
| Camera not triggering | PIR sensor obstructed; Subject outside detection range; Incorrect sensitivity settings. | Clear obstructions; Reposition camera; Adjust PIR sensitivity in settings. |
| SD card error | Card not inserted correctly; Incompatible card; Corrupted card. | Reinsert SD card; Use a compatible SD card (up to 512GB); Format the SD card in the camera. |

8. SPECIFICATIONS

| Feature | Detail |
|------------------------|---|
| Still Image Resolution | Up to 48 MP |
| Video Resolution | 1296p @ 30fps (H.264) |
| Night Vision Range | 100 Feet (Infrared, No Glow) |
| Trigger Speed | 0.1 seconds |
| Recovery Time | 0.5 seconds |
| Detection Distance | 90 Feet |
| Power Source | 8 x AA 1.5V Batteries (not included) or 12V DC (external) |
| Storage | SD Card up to 512 GB (not included) |
| Display Screen | 2.4-inch High-Resolution Color Screen |
| Waterproof Rating | IP66 |
| Dimensions (L x W x H) | 3 x 4.4 x 6.1 inches |
| Weight | 12.3 ounces |

9. WARRANTY AND SUPPORT

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

For additional resources and frequently asked questions, visit the [GardePro Store on Amazon](#).