

Evolveo StrongVision Mini

Evolveo StrongVision Mini Trail Camera User Manual

Model: StrongVision Mini

1. INTRODUCTION

Thank you for choosing the Evolveo StrongVision Mini Trail Camera. This compact and robust camera is designed for wildlife observation, hunting, and security applications, offering high-resolution photos and Full HD videos with night vision capabilities. This manual provides detailed instructions for setting up, operating, and maintaining your camera to ensure optimal performance.



Image 1.1: Front view of the Evolveo StrongVision Mini Trail Camera. The camera features a camouflage pattern, a main lens, and an upper display panel.

2. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- Evolveo StrongVision Mini Trail Camera
- Mounting Strap
- Micro SD Card Reader
- USB Cable
- User Manual



Image 2.1: Included accessories: Evolveo StrongVision Mini camera, mounting strap, USB cable, and user manual.

3. PRODUCT OVERVIEW

The StrongVision Mini is a compact trail camera designed for ease of use and reliable performance. Key features include:

- **High Resolution Imaging:** Capture photos up to 20 MP and Full HD 1080p videos.
- **Infrared Night Vision:** Equipped with 26 850nm IR LEDs for clear night recordings up to 20 meters.
- **Fast Trigger Speed:** Activates in just 0.8 seconds.
- **Wide Detection Angle:** 90° Passive Infrared (PIR) sensor for comprehensive coverage.
- **Weatherproof Design:** IP65 rated for outdoor use in various conditions.
- **Compact Size:** Dimensions of 105 x 85 x 40 mm for discreet placement.

compact design

5Mpix sensor

Full HD video



Image 3.1: The compact design of the Evolveo StrongVision Mini, suitable for discreet placement.

4. SETUP

4.1. Battery Installation

The camera requires 4 x 1.5V LR6 AA batteries. For optimal performance and extended operation, it is recommended to use high-quality alkaline or rechargeable batteries.

1. Open the camera's latch on the side and gently open the housing.
2. Locate the battery compartment.
3. Insert 4 AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

4.2. Micro SD Card Installation

A Micro SD card (up to 32 GB) is required to store photos and videos. Ensure the card is formatted before first use.

1. With the camera housing open, locate the Micro SD card slot.
2. Insert the Micro SD card into the slot until it clicks into place.
3. To remove, push the card in slightly until it springs out.



Image 4.1: Battery compartment and Micro SD card slot inside the camera.

4.3. Initial Configuration

The camera can be configured using a settings file on the Micro SD card via your computer. This allows for precise adjustment of parameters such as photo resolution, video resolution, time-lapse intervals, and more.

1. Insert the Micro SD card into your computer using the provided Micro SD card reader.
2. Access the configuration file (usually a text file or specific software) on the card.
3. Adjust desired settings according to your needs.
4. Save the configuration file back to the Micro SD card.
5. Safely eject the Micro SD card from your computer and insert it back into the camera.

4.4. Mounting the Camera

Use the included mounting strap to secure the camera to a tree, pole, or other suitable surface. Ensure the camera is stable and pointed towards the desired monitoring area.



Image 4.2: Side view of the camera showing external ports for connectivity.

5. OPERATING THE CAMERA

5.1. Powering On/Off

After installing batteries and the Micro SD card, locate the power switch inside the camera housing. Switch it to the "ON" position to activate the camera. To turn off, switch it to "OFF".

5.2. Operating Modes

The camera supports various operating modes, which can be configured via the settings file:

- **Photo Mode:** Captures still images. Resolutions include 20 MP, 16 MP, and 12 MP.
- **Video Mode:** Records video clips. Resolutions include 1080p, 720p, and VGA.
- **Photo + Video Mode:** Captures a photo followed by a video clip.
- **Time-lapse Mode:** Takes photos at set intervals.

5.3. Motion Detection and Recording

The camera utilizes a Passive Infrared (PIR) sensor to detect motion. When motion is detected within its 90° field of view, the camera will trigger and record based on your configured settings.

- **Trigger Speed:** The camera activates quickly, with a trigger speed of 0.8 seconds.
- **IR LEDs:** For low-light or nighttime conditions, 26 850nm IR LEDs provide illumination up to 20 meters (optimal illumination 6-8 meters).
- **Shot Series:** Configure the number of photos taken per trigger (1, 3, 6, or 9 shots).
- **Recovery Time:** Set the delay between triggers (1, 5, 10, or 30 seconds/minutes).

5.4. Viewing Files

To view captured photos and videos:

1. Turn off the camera and remove the Micro SD card.
2. Insert the Micro SD card into your computer using the card reader.
3. Access the files on the card. Photos are saved in JPEG format, and videos in AVI format.
4. Each file will include a date and time stamp.

6. MAINTENANCE

6.1. Cleaning

Wipe the camera's exterior with a soft, damp cloth. Ensure the lens and PIR sensor are clean and free from dirt or debris for optimal performance. Do not use harsh chemicals or abrasive cleaners.

6.2. Battery Replacement

Replace batteries when the low battery indicator appears or when performance degrades. Always replace all batteries at once with new ones of the same type.

6.3. Storage

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

7. TROUBLESHOOTING

- **Camera not powering on:**

- Check battery polarity.
- Ensure batteries are fully charged or replaced.
- Verify the power switch is in the "ON" position.

- **No photos/videos recorded:**

- Ensure a Micro SD card is inserted and properly formatted.
- Check if the Micro SD card is full.
- Verify camera settings for recording mode and trigger sensitivity.
- Ensure the PIR sensor is not obstructed.

- **Poor image/video quality:**

- Clean the camera lens.
- Check resolution settings.
- Ensure sufficient lighting for daytime shots; for night shots, ensure objects are within IR range.

- **Short battery life:**

- Use high-quality alkaline or rechargeable batteries.
- Reduce the number of photos per trigger or increase recovery time.
- Consider external power options like the Evolveo solar panel (sold separately).

8. SPECIFICATIONS

Feature	Specification
Model	StrongVision Mini
Photo Resolution	20 MP / 16 MP / 12 MP
Video Resolution	1080p / 720p / VGA
Lens	F = 3.1; FOV = 60°
PIR Sensor Angle	90°
Trigger Speed	0.8 seconds
IR LEDs	26 x 850nm IR LEDs
IR LED Range	Max 20 meters (Optimal 6-8 meters)
Memory	Micro SD card, max. 32 GB
Recording Format	JPEG / AVI
Power Supply	4 x 1.5V LR6 AA batteries (External 6V DC supported)
Stand-by Current	0.02mA
Waterproof Rating	IP65
Dimensions (L x W x H)	105 x 85 x 40 mm

Feature	Specification
Weight	246 grams (approx.)
Material	Plastic
Connectivity	Wired (USB for data transfer)




9. WARRANTY AND SUPPORT




For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Evolveo website. Keep your proof of purchase for any warranty claims.

Manufacturer: Naxya Limited

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Related Documents - StrongVision Mini

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