

WOSPORTS H47

WOSPORTS AI Trail Camera H47 User Manual

Model: H47 | Brand: WOSPORTS

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your WOSPORTS AI Trail Camera Model H47. Designed for outdoor wildlife monitoring, this camera captures high-quality images and videos with advanced AI recognition capabilities.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Smart AI Animal Recognition:** Built-in AI algorithm automatically identifies six types of targets: humans, bears, deer, wolves, wild boars, and turkeys. Categorizes and stores photos by animal names for efficient data management.
- **48MP Ultra HD Photos/4K Video:** Captures crisp 48MP still images and smooth 4K video recording, ensuring clear details in both daylight and night.
- **120° Ultra-Wide Lens/80ft Detection:** Features a 120° wide-angle lens and 80ft (24m) infrared motion detection to eliminate blind spots and provide complete trail coverage.
- **Data Safe:** All photos and videos are stored locally on the SD card, ensuring privacy without cloud uploads.
- **Waterproof Design:** Durable construction suitable for outdoor use in various weather conditions.

2.2 What's in the Box



Image: WOSPORTS AI Trail Camera H47 with its accessories.

- WOSPORTS AI Trail Camera H47
- Mounting Straps
- USB Cable
- 32GB SD Card
- SD Card Adapter
- 8 AA Batteries

3. SETUP

3.1 Battery Installation

1. Locate the battery compartment at the bottom of the camera.
2. Open the latch to access the compartment.
3. Insert 8 AA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment securely.

3.2 SD Card Installation

1. Open the camera's main casing to reveal the internal screen and controls.
2. Locate the SD card slot, typically on the side or near the control panel.

3. Insert the provided 32GB SD card until it clicks into place.
4. It is recommended to format the SD card via the camera's menu before first use.

3.3 Mounting the Camera

The camera can be mounted using the included straps or a tripod mount.

- **Using Mounting Straps:** Thread the straps through the designated slots on the back of the camera and secure it to a tree or pole.
- **Using a Tripod Mount:** The camera features a standard tripod screw hole at the bottom for attachment to a tripod or other compatible mounting accessories.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

To power on the camera, slide the ON/OFF switch to the 'ON' position. To power off, slide it to 'OFF'.

4.2 Menu Navigation

The camera features an internal 2.0" LCD screen and control buttons for easy navigation.

- Use the directional buttons (Up, Down, Left, Right) to navigate through menu options.
- Press the 'OK' button to confirm selections.
- Press the 'MENU' button to access the main settings or go back.

4.3 Photo/Video Modes

Select your desired capture mode (Photo, Video, or Photo+Video) from the settings menu. You can also adjust:

- Photo Resolution (up to 48MP)
- Video Resolution (up to 4K)
- Video Length
- Trigger Interval
- Sensor Sensitivity

4.4 AI Functionality

AI FUNCTION

Thanks to the 1.2T arithmetic power of the main control chip and self-developed AI mini-models, coupled with a long period of data training, the camera integrates AI animal recognition.

When an animal or a person triggers the camera's PIR, the camera starts taking pictures and recognizes them through AI, naming the recognized objects with the corresponding species. Currently, the camera's AI function mainly supports the recognition of six species: bear, deer, wild boar, turkey, wolf, and human, which will be named in the form of bear_MD_XXX, with bear representing the recognized animal species, MD representing motion detection, and XXX stands for number, which will be sorted according to the time of image creation. (Currently the video does not support animal recognition for the time being)

With the increase of time and training data, more species may be supported in the future.



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Image: AI Functionality and file naming convention.

The camera's AI algorithm automatically identifies and categorizes detected animals. Captured photos are named according to the animal type (e.g., bear_MD_XXX, deer_MD_XXX), simplifying organization. Currently, video recording does not support animal recognition.

4.5 Viewing Captured Media

You can view photos and videos directly on the camera's 2.0" LCD screen by navigating to the playback mode in the menu.

The photographed images are saved into the SD card with names based on the identified animals.

Wolf_MD_021.jpg	5/28/2025 10:26 PM	JPG File	1,286 KB
MD_022.mp4	5/28/2025 10:26 PM	MP4 File	3,296 KB
Wolf_MD_023.jpg	5/28/2025 10:26 PM	JPG File	1,285 KB
MD_024.mp4	5/28/2025 10:26 PM	MP4 File	3,421 KB
Wolf_MD_025.jpg	5/28/2025 10:26 PM	JPG File	1,272 KB
MD_026.mp4	5/28/2025 10:26 PM	MP4 File	3,244 KB
Wolf_MD_027.jpg	5/28/2025 10:27 PM	JPG File	1,265 KB
MD_028.mp4	5/28/2025 10:27 PM	MP4 File	3,425 KB
Wolf_MD_029.jpg	5/28/2025 10:27 PM	JPG File	1,307 KB
MD_030.mp4	5/28/2025 10:27 PM	MP4 File	3,388 KB
Wolf_MD_031.jpg	5/28/2025 10:27 PM	JPG File	1,366 KB
MD_032.mp4	5/28/2025 10:27 PM	MP4 File	3,419 KB
Wildboar_MD_033.jpg	5/28/2025 10:27 PM	JPG File	1,352 KB
MD_034.mp4	5/28/2025 10:27 PM	MP4 File	3,416 KB
Wolf_MD_035.jpg	5/28/2025 10:27 PM	JPG File	1,349 KB
MD_036.mp4	5/28/2025 10:28 PM	MP4 File	3,385 KB
Wildboar_MD_037.jpg	5/28/2025 10:28 PM	JPG File	1,367 KB
Wolf_MD_039.jpg	5/28/2025 10:28 PM	JPG File	1,379 KB
MD_040.mp4	5/28/2025 10:28 PM	MP4 File	3,364 KB
Wildboar_MD_041.jpg	5/28/2025 10:28 PM	JPG File	1,353 KB
MD_042.mp4	5/28/2025 10:28 PM	MP4 File	3,159 KB
Wolf_MD_043.jpg	5/28/2025 10:28 PM	JPG File	1,351 KB
Wolf_MD_045.jpg	5/28/2025 10:29 PM	JPG File	1,364 KB
Wildboar_MD_047.jpg	5/28/2025 10:29 PM	JPG File	1,372 KB

Deer_MD_179.jpg	5/28/2025 10:43 PM	JPG File	1,399 KB
Deer_MD_145.jpg	5/28/2025 10:44 PM	JPG File	1,365 KB
Deer_MD_155.jpg	5/28/2025 10:46 PM	JPG File	1,136 KB
Deer_MD_161.jpg	5/28/2025 10:46 PM	JPG File	1,332 KB
Deer_MD_165.jpg	5/29/2025 9:29 AM	JPG File	2,748 KB
Deer_MD_199.jpg	5/29/2025 12:01 PM	JPG File	3,236 KB
Deer_MD_207.jpg	5/29/2025 12:37 PM	JPG File	3,270 KB
Deer_MD_217.jpg	5/29/2025 12:41 PM	JPG File	3,188 KB
Deer_MD_221.jpg	5/29/2025 12:42 PM	JPG File	3,491 KB
Deer_MD_253.jpg	5/29/2025 1:19 PM	JPG File	2,959 KB
Deer_MD_261.jpg	5/29/2025 1:21 PM	JPG File	2,954 KB
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Deer_MD_361.jpg	5/29/2025 3:29 PM	JPG File	2,778 KB
Deer_MD_363.jpg	5/29/2025 3:29 PM	JPG File	2,678 KB
Deer_MD_365.jpg	5/29/2025 3:29 PM	JPG File	2,904 KB
Deer_MD_367.jpg	5/29/2025 3:30 PM	JPG File	2,876 KB
Deer_MD_387.jpg	5/29/2025 3:48 PM	JPG File	2,613 KB
Deer_MD_393.jpg	5/29/2025 3:49 PM	JPG File	2,463 KB
Deer_MD_395.jpg	5/29/2025 3:50 PM	JPG File	2,586 KB
Deer_MD_479.jpg	5/29/2025 5:01 PM	JPG File	2,321 KB
Deer_MD_481.jpg	5/29/2025 5:02 PM	JPG File	2,390 KB
Deer_MD_483.jpg	5/29/2025 5:02 PM	JPG File	2,306 KB
Deer_MD_485.jpg	5/29/2025 5:02 PM	JPG File	2,294 KB
Deer_MD_487.jpg	5/29/2025 5:03 PM	JPG File	2,473 KB
Deer_MD_489.jpg	5/29/2025 5:06 PM	JPG File	2,538 KB
Human_MD_229.jpg	5/29/2025 12:49 PM	JPG File	3,073 KB
Human_MD_241.jpg	5/29/2025 1:05 PM	JPG File	3,039 KB
Human_MD_377.jpg	5/29/2025 3:44 PM	JPG File	2,646 KB
Human_MD_391.jpg	5/29/2025 3:49 PM	JPG File	2,533 KB
Human_MD_397.jpg	5/29/2025 4:00 PM	JPG File	2,293 KB
MD_022.mp4	5/28/2025 10:26 PM	MP4 File	3,296 KB
MD_024.mp4	5/28/2025 10:26 PM	MP4 File	3,421 KB
MD_026.mp4	5/28/2025 10:26 PM	MP4 File	3,244 KB
MD_028.mp4	5/28/2025 10:27 PM	MP4 File	3,425 KB

Image: Example of photographed images saved on the SD card with names based on identified animals.

For larger viewing or storage, remove the SD card from the camera and insert it into a computer using the

provided SD card adapter.

4.6 AI Trail Camera Explanation

What is an AI trail camera?

1. On-Device AI Classification

- AI recognizes 6 target categories (bear, deer, turkey, wild boar, wolf, human), and the captured photos are named after the animals, improving data management efficiency.

2. Advanced False Trigger Filtering

- Traditional PIR-based trail cameras often trigger unwanted photos due to wind/ foliage movement or temperature fluctuations, but AI reduces false-triggered photos/videos.

3. Data Security

- On-device AI processes all data locally—no uploads to apps or the cloud are required.

Image: Explanation of AI trail camera features.

- **On-Device AI Classification:** AI recognizes 6 target categories (bear, deer, turkey, wild boar, wolf, human), and captured photos are named after the animals, improving data management efficiency.
- **Advanced False Trigger Filtering:** AI reduces false-triggered photos/videos often caused by wind/foilage movement or temperature fluctuations.
- **Data Security:** On-device AI processes all data locally, requiring no uploads to apps or cloud services.

5. MAINTENANCE

5.1 Battery Replacement

Replace batteries when the low battery indicator appears on the screen. Always use high-quality AA batteries for optimal performance, especially for night vision.

5.2 SD Card Management

Regularly check the SD card for storage capacity. Format the SD card periodically to maintain optimal performance and prevent data corruption. Back up important files before formatting.

5.3 Cleaning

Gently clean the camera lens and PIR sensors with a soft, dry cloth. Avoid using abrasive materials or harsh chemicals that could damage the surfaces. Ensure the camera's seals are free from debris to maintain its waterproof integrity.

6. TROUBLESHOOTING

- **Camera not powering on:** Check if batteries are inserted correctly with proper polarity and if they have

sufficient charge.

- **No images/videos captured:** Ensure the SD card is properly inserted and formatted. Verify that the camera is in the correct operating mode (Photo/Video) and that motion detection is enabled.
- **Poor image/video quality:** Check lens for dirt or condensation. Ensure settings like resolution are set to desired levels.
- **False triggers:** Adjust PIR sensor sensitivity in the settings menu. Ensure the camera is not pointed at moving branches or heat sources.

7. SPECIFICATIONS

Feature	Specification
Model Name	H47
Brand	WOSPORTS
Indoor/Outdoor Usage	Outdoor
Power Source	Battery Powered (8 AA Batteries)
Video Capture Resolution	4K
Special Feature	Night Vision, AI Animal Recognition
Mounting Type	Tree Mount
Item Dimensions L x W x H	4.4 x 3 x 5.8 inches
Item Weight	1.3 pounds
Video Capture Format	MP4

8. WARRANTY AND SUPPORT

WOSPORTS offers online customer support. If you have any questions or encounter issues with your product, please do not hesitate to contact the WOSPORTS customer service team. They aim to answer all inquiries within 24 hours.

9. PRODUCT REVIEW VIDEO

Your browser does not support the video tag.

Video: A detailed review of the WOSPORTS AI Trail Camera, demonstrating its features and performance.