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› VANBAR Trail Camera User Manual - Model D300-2022-9-26

VANBAR D300-2022-9-26

VANBAR Trail Camera User Manual

Model: D300-2022-9-26

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your VANBAR Trail Camera, Model D300-2022-9-26. Please read this manual thoroughly before using the camera to ensure proper functionality and to maximize its performance. This camera is designed for various applications including home security, wildlife monitoring, and property surveillance.



Figure 1.1: VANBAR Trail Camera Key Features Overview

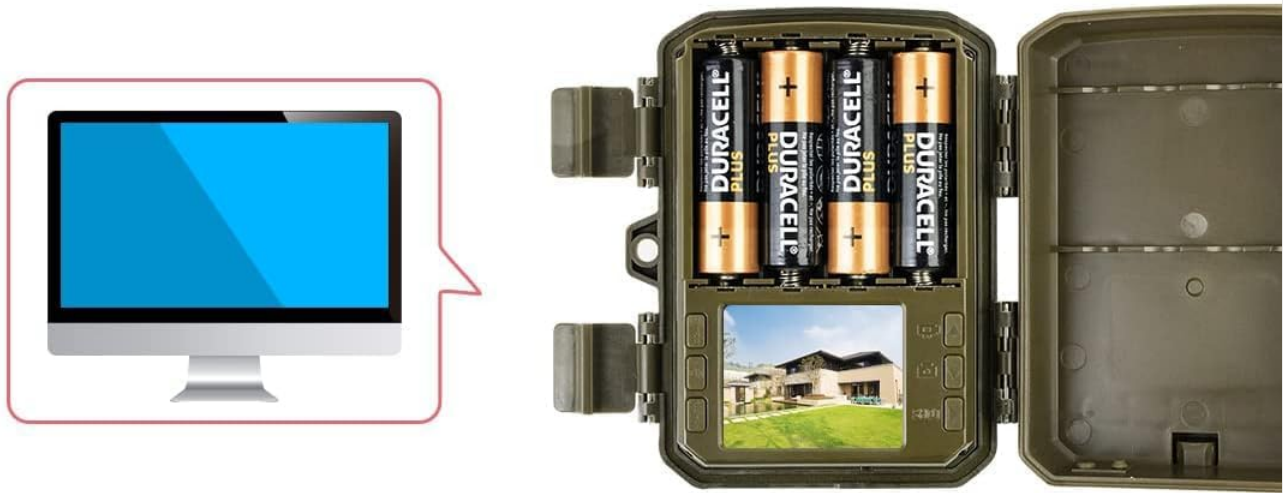
2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- VANBAR Trail Camera (Model D300-2022-9-26)
- 32GB Micro SD Card
- Mounting Strap
- Adjustable Mounting Bracket
- USB Cable
- Wall Mount Screws and Anchors
- User Manual

これ一台で 必要な機能が全て揃う

弊社のトレイルカメラは液晶モニター内蔵しているので、撮影・録画・
映像の再生まで、全てこれ一台で揃います。



1920*1080Pの超高画質

2400万超高画質で細かいところを見逃しませんです。



Figure 2.1: Package Contents

3. PRODUCT OVERVIEW

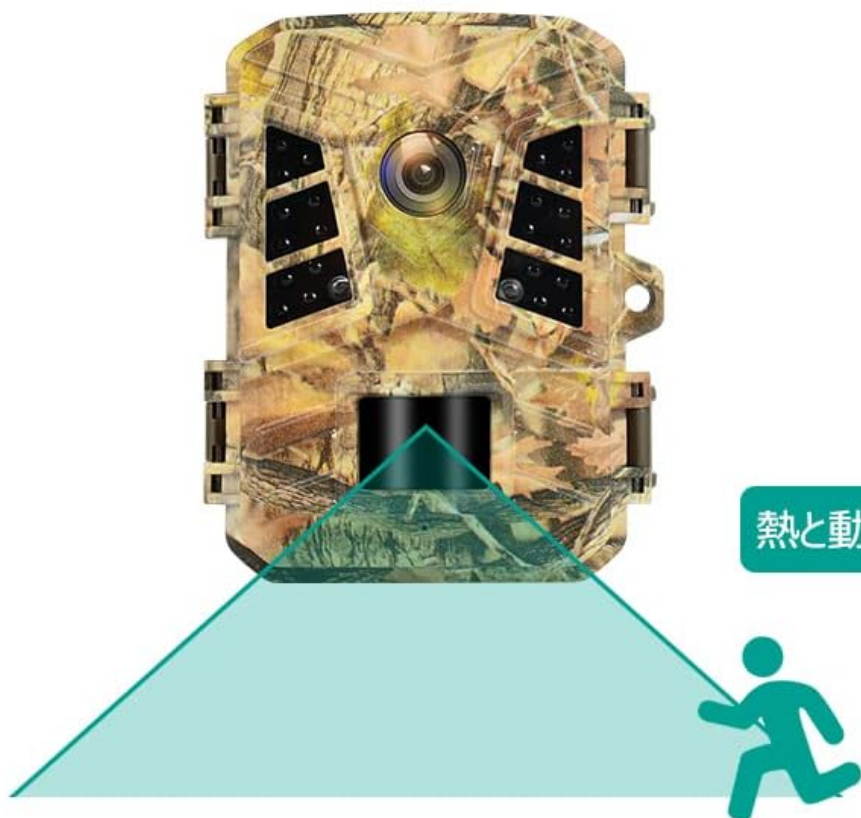
The VANBAR Trail Camera is a high-performance surveillance device featuring:

- **High Resolution:** Captures 24 Megapixel (MP) still images and 1920P Full HD (or 2.7K 2688*1520P) video.

- **PIR Motion Sensor:** Detects movement within a 120° wide range and up to 20 meters, triggering automatic recording.
- **Night Vision:** Equipped with infrared LEDs for clear monochrome recording in dark conditions up to 20 meters.
- **Audio Recording:** Built-in microphone captures ambient sounds.
- **Weatherproof Design:** IP66 rated for dust and water resistance, suitable for both indoor and outdoor use.
- **Flexible Power Options:** Operates on 4 AA batteries, or can be powered by an optional solar panel or AC adapter.
- **Storage:** Supports Micro SD cards up to 256GB (32GB card included).
- **Loop Recording:** Automatically overwrites older files when the memory card is full.
- **Integrated LCD Screen:** For easy menu navigation, live view, and playback of recorded footage.

スマートなPIR動体検知録画

最大20mの遠距離と120°の撮影範囲以内の人や動物を自動的に記録する。熱と動きを検知した時だけ自動撮影。監視時間帯を選んで録画したり、センサーの感度を調整できるので、電池の消耗を抑えられます。



熱と動きを検知して自動録画

マイク内蔵音声も録音できる

このトレイルカメラは音声マイク内蔵され、犯罪が起きやすい夜間にも録音でき、証拠として保存できます。



Figure 3.1: Front View of the Trail Camera

4. SETUP

4.1 Battery Installation

1. Open the camera casing by unlatching the side clips.
2. Locate the battery compartment.
3. Insert 4 new 1.5V AA alkaline batteries, ensuring correct polarity (+/-). High-performance alkaline batteries are recommended for optimal battery life.
4. Close the battery compartment securely.

暗視モードには自動切替 狙ったターゲットを逃さない

赤外線による撮影で、暗い場所や夜間でも、最大20m先までしっかり撮影可能です。昼夜の撮影モード切り替えは自動で行われ、夜間の映像はモノクロになります。



便利ループ録画機能（自動上書き録画）

カードの容量がいっぱいになると自動的に過去の録画映像を削除され、新たな映像を保存してくれます。



※設定メニューでループ録画機能をオン・オフ簡単に設定可能
※ループ録画はセンサーカメラ撮影、インターバル撮影のみ対応します。

Figure 4.1: Battery Installation

4.2 Micro SD Card Installation

1. With the camera casing open, locate the Micro SD card slot.
2. Insert the provided 32GB Micro SD card into the slot until it clicks into place. The camera supports up to 256GB Micro SD cards.
3. To remove the card, push it gently until it springs out.

4.3 Powering On/Off

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

4.4 Initial Settings

Upon first use or after a reset, you may need to configure basic settings:

1. Power on the camera. The LCD screen will activate.
2. Use the navigation buttons (Up, Down, Left, Right, OK, Menu) to navigate the menu.
3. Select 'Language' and choose 'English'.
4. Set the correct 'Date' and 'Time'.
5. Adjust other settings as desired (refer to Section 5 for more details).



Figure 4.2: Camera Menu Interface

5. OPERATING INSTRUCTIONS

5.1 Menu Navigation

Press the 'MENU' button to access the settings menu. Use the 'UP' and 'DOWN' buttons to scroll through options, 'OK' to select, and 'LEFT' or 'RIGHT' to change values. Press 'MENU' again to exit.

5.2 Recording Modes

The camera offers three primary recording modes:

- **Video Mode:** Records video clips when motion is detected.
- **Photo Mode:** Captures still images when motion is detected.
- **Video + Photo Mode:** Captures both a still image and a video clip when motion is detected.
- **Interval Shooting:** Captures photos or videos at pre-set intervals, useful for time-lapse observations of plants or animals. Note: PIR motion detection is not active during interval shooting.

スマートなPIR動体感知録画機能搭載 選べる3つの撮影モード



Figure 5.1: PIR Motion Detection Recording Modes

5.3 PIR Motion Sensor Settings

Adjust the PIR sensor's sensitivity and detection range in the menu to suit your environment and reduce false triggers.

- **Sensitivity:** High, Medium, Low. Higher sensitivity detects smaller movements or movements at greater distances.
- **Detection Range:** The sensor can detect motion up to 20 meters away within a 120° field of view.

5.4 Time-Specified Recording

This feature allows the camera to record only during specific time periods. For example, you can set it to monitor from 08:00 to 11:00. Recording will only start if motion is detected within the specified time frame.

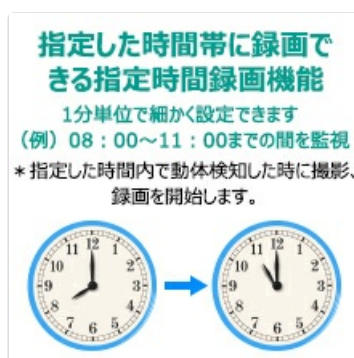


Figure 5.2: Time-Specified Recording

5.5 Audio Recording

The built-in microphone records ambient sounds along with video footage. This can provide additional context for recorded events.

5.6 Playback

You can review recorded photos and videos directly on the camera's LCD screen or by connecting the camera to a computer via USB, or by inserting the Micro SD card into a card reader.

- **On-Camera Playback:** Use the 'MODE' button to switch to playback mode. Use 'UP'/'DOWN' to browse files and 'OK' to play videos or view photos.
- **PC Playback:** Connect the camera to a PC using the USB cable or insert the SD card into a PC card reader. The camera will appear as a removable disk, allowing you to access the recorded files.

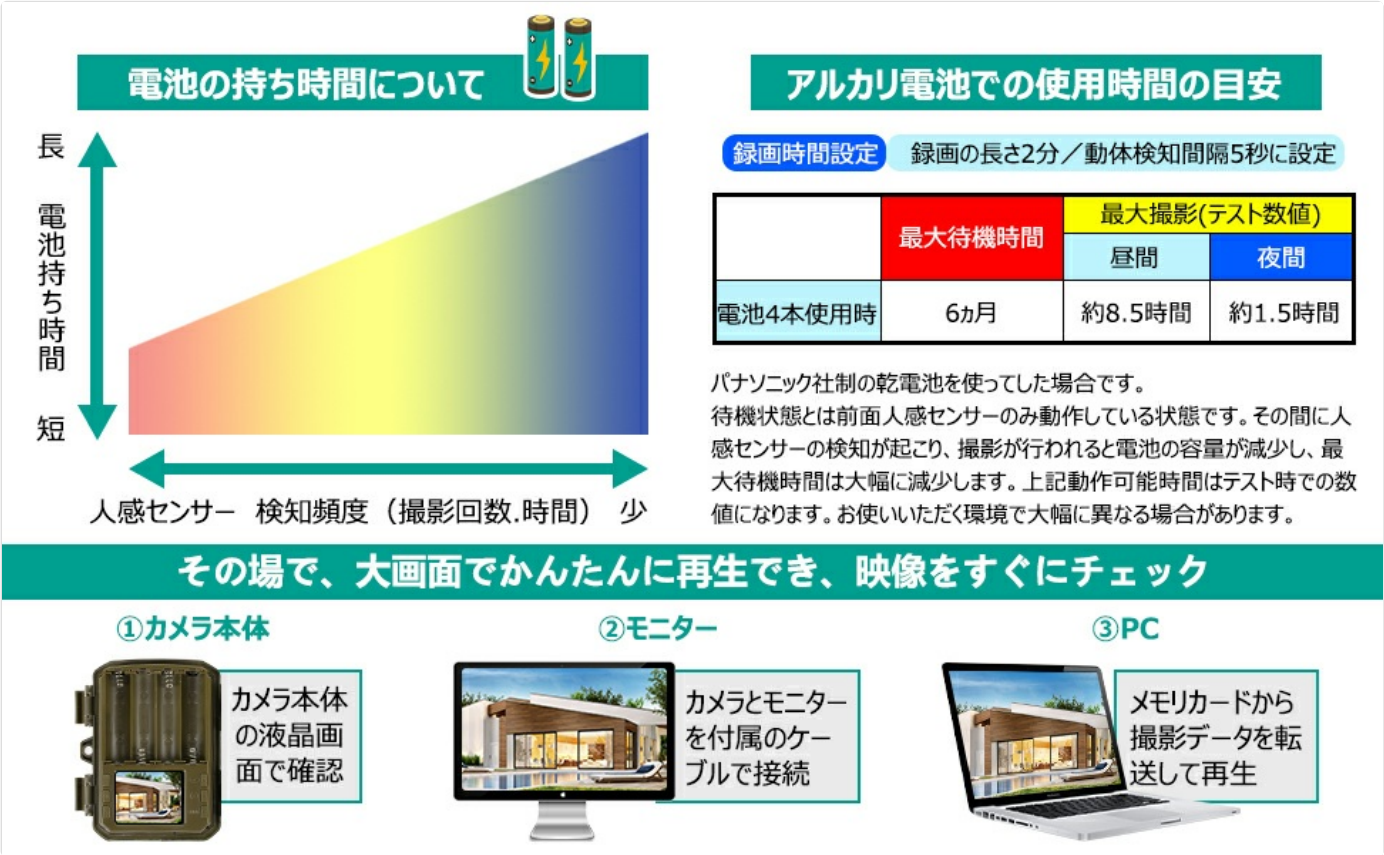


Figure 5.3: Playback Options and Battery Life Chart

6. NIGHT VISION

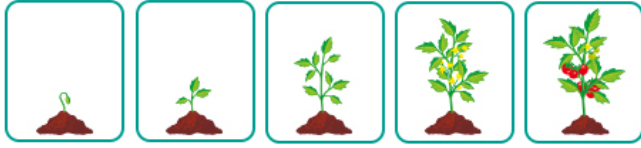
The camera automatically switches to night vision mode in low-light conditions. Infrared LEDs illuminate the area, allowing the camera to capture clear monochrome images and videos up to 20 meters away. The transition between day and night mode is automatic.

7. LOOP RECORDING

When the Micro SD card's storage capacity is full, the loop recording function automatically deletes the oldest files to make space for new recordings. This ensures continuous operation without manual intervention to clear the card.

インターバル撮影も可能

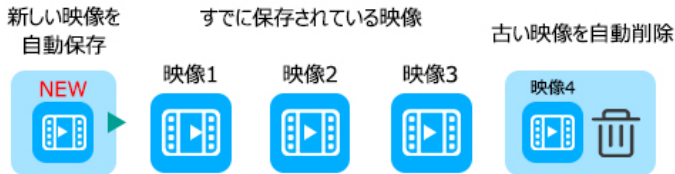
予め決めた間隔で静止画または動画撮影を撮影し、動物、植物の定点観察に便利です！



※インターバル撮影時、PIR動体検知録画機能は使えません。

便利ループ録画機能（自動上書き録画）

メモリーカードの容量がいっぱいになると自動的に過去の録画映像を削除され、新たな映像を保存してくれます。



※設定メニューでループ録画機能をオン・オフ簡単に設定可能
※ループ録画はセンサーカメラ撮影、インターバル撮影のみ対応します。

保存容量の目安

(ループ録画機能がオフ状態です。)

動画（AV形式）

画質	10秒当たりファイルサイズ目安	連続撮影の目安 (32GBカード)
2688*1520P	約44MB/10秒	約110分
1920*1080P	約32MB/10秒	約160分

静止画（JPEG形式）

画質	一枚当たりのファイルサイズ目安	保存可能枚数の目安 (32GBカード)
24M	約27MB	約11800枚
16M	約23MB	約13900枚

Figure 7.1: Loop Recording Functionality

8. BATTERY LIFE AND POWER OPTIONS

The camera primarily operates on 4 AA alkaline batteries. Battery life can vary significantly based on usage, such as the frequency of motion detection and recording duration. The maximum standby time is approximately 6 months.

8.1 Estimated Battery Life (Alkaline Batteries)

Setting	Max Standby Time	Max Recording Time (Test Value)	
		Day	Night
4 AA Batteries Used (Recording length 2 min / Motion detection interval 5 sec)	6 months	Approx. 8.5 hours	Approx. 1.5 hours

Note: Standby mode means only the front PIR sensor is active. If motion is detected and recording occurs, battery consumption increases, significantly reducing standby time. Actual operating times may vary depending on the environment.

8.2 Alternative Power Options

In addition to AA batteries, the camera supports external power sources:

- **Solar Panel (Optional):** Connect an external solar panel (sold separately) to provide continuous power and reduce battery changes.
- **AC Adapter (Optional):** For indoor use or locations with easy access to power, a 6V 1.5A AC adapter (sold separately) can be used.

3種類の給電方法対応、取付場合自由自在 新世代トレイルカメラ

① POINT1

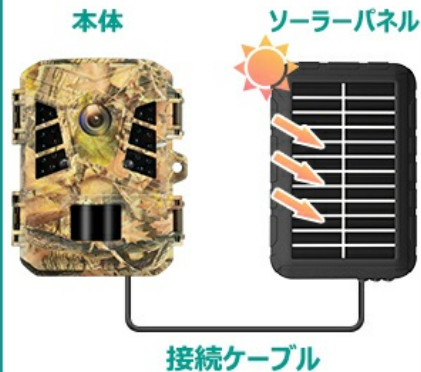
単三乾電池4枚で給電（別売り）



乾電池で動作するので電源の確保
ができない場所でもカメラを設置する
ことができます。
防水・防塵に対応しているので屋外
の設置も安心です。

② POINT2

ソーラーパネルで給電（別売り）



ソーラーパネルを利用すれば電池切
れの心配をせずに運用が可能！

③ POINT3

ACアダプターで給電（別売り）



付属のACアダプタを使ってコンセント
から給電することができます。電源が
とれる屋内での使用や設置場所の
日当たりが悪くソーラーパネルでの給
電が難しいような場所でお使いくだ
さい。

Figure 8.1: Power Supply Options

9. INSTALLATION

The VANBAR Trail Camera offers flexible installation options to suit various monitoring needs.

- **Strap Mounting:** Use the included strap to secure the camera to trees, poles, or other vertical structures.
- **Stand Mounting:** The adjustable mounting bracket allows for placement on flat surfaces or attachment to a tripod.
- **Wall Mounting:** Use the provided screws and anchors to fix the camera to a wall or concrete surface.

Ensure the camera is positioned to capture the desired area, avoiding direct sunlight or strong light sources that could affect image quality or trigger false detections. The IP66 waterproof rating ensures reliable operation in outdoor environments.

肝心の3種の録画モード

動画モード・静止画モード・動画＆静止画モードという三つモードが
あり、使い場合により、録画モードを選択できます。



動画モード



静止画モード



動画＆静止画モード

動画モード



静止画モード



動画モードと静止画モードを合わせてお使いすることもできます。

インターバル撮影も可能

予め決めた間隔で静止画または動画撮影を撮影し、動物・植物の定点観察に便利です！



※インターバル撮影時、PIR動体検知録画機能は使えません。

Figure 9.1: Camera Mounted on a Tree

10. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and body. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace all batteries simultaneously with new ones when the low battery indicator appears. Do not mix old and new batteries or different battery types.
- **SD Card Management:** Regularly check the SD card for available space. Format the SD card periodically to maintain optimal performance.
- **Firmware Updates:** Check the VANBAR official website for any available firmware updates to ensure your camera has the latest features and bug fixes.

11. TROUBLESHOOTING

If you encounter issues with your camera, refer to the following common problems and solutions:

- **Camera not powering on:**
 - Ensure batteries are inserted correctly with proper polarity.
 - Check if batteries are fully charged or replace them with new ones.
 - Verify the power switch is in the 'ON' position.
- **Camera not recording:**
 - Check if the Micro SD card is inserted correctly and has sufficient free space.
 - Ensure the camera is in the correct recording mode (Video, Photo, or Video+Photo).
 - Adjust PIR sensor sensitivity if motion is not being detected.
 - Verify that time-specified recording is not preventing recording during the current period.
- **Poor image/video quality:**
 - Clean the camera lens.
 - Ensure the camera is not facing direct sunlight or strong light sources.
 - For night vision, ensure there are no obstructions blocking the infrared LEDs.
- **Short battery life:**
 - Use high-quality alkaline batteries.
 - Reduce PIR sensor sensitivity or detection frequency to minimize unnecessary recordings.
 - Consider using an optional solar panel or AC adapter for continuous power.

If the problem persists, please contact VANBAR customer support.

12. SPECIFICATIONS

Feature	Specification
Brand	VANBAR
Model Number	D300-2022-9-26
Photo Resolution	Up to 24MP
Video Resolution	1920x1080P Full HD, 2688x1520P (2.7K)
Video Format	MOV
Connectivity Technology	Wireless (Wi-Fi for connection protocol, though primary operation is standalone)
Special Features	Motion Sensor, Night Vision, Audio Recording, Loop Recording, Interval Shooting
Indoor/Outdoor Use	Indoor, Outdoor
Water Resistance	IP66
Power Source	Battery Powered (4x AA 1.5V), Optional Solar Panel, Optional AC Adapter (6V 1.5A)

Feature	Specification
Storage	Micro SD card up to 256GB (32GB included)
PIR Detection Range	Up to 20 meters, 120° angle
Night Vision Range	Up to 20 meters (Monochrome)
Mounting Type	Wall Mount, Strap Mount, Stand Mount
Controller Type	Button

13. WARRANTY AND SUPPORT

VANBAR offers a 1-year quality guarantee for this product. If you encounter any issues or have questions, please contact our customer support team. We provide support via email and LINE to ensure the best shopping experience before, during, and after your purchase.

For support, please refer to the contact information provided on the product packaging or the official VANBAR 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

you@example.com

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

