VANBAR D700

VANBAR 4K 48MP WiFi Bluetooth Trail Camera User Manual

Model: D700 | Brand: VANBAR

1. INTRODUCTION

Thank you for choosing the VANBAR 4K 48MP WiFi Bluetooth Trail Camera. This manual provides detailed instructions for setting up, operating, and maintaining your camera to ensure optimal performance. This camera is designed for capturing high-quality images and videos of wildlife, offering advanced features such as 4K video recording, 48MP photo resolution, rapid 0.2-second trigger speed, and excellent night vision capabilities.

Key features include:

- **4K Ultra HD Video and 48MP Photo Resolution:** Records crisp 48MP images and native 4K videos, revealing intricate details of wildlife both day (color) and night (black and white).
- **Bluetooth WiFi Connection + App Control:** Allows live viewing of images and videos on your smartphone. Note: App control has a range limitation of 10-15 meters.
- **Excellent Night Vision with 40 Non-Luminous Infrared LEDs:** Equipped with 40 non-luminous 940nm IR LEDs, ensuring the camera does not disturb the animal world. Night vision range up to 22 meters, providing clear night images.
- **0.2s Trigger Speed and 1200 Coverage:** Captures motion instantly with a 0.2-second trigger speed and a detection distance of up to 22 meters. The 120-degree wide detection area ensures comprehensive coverage.
- **IP66 Waterproof and Multifunction:** The robust IP66-rated casing protects the camera from rain, dust, sand, mud, and snow, making it suitable for outdoor use in various environments. Features include time-lapse, timer, and timestamp.

2. PACKAGE CONTENTS

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

- VANBAR 4K 48MP Trail Camera (Model D700)
- 32GB Micro SD Card
- Mounting Strap

- USB Cable
- User Manual
- Mounting Accessories (e.g., wall mount, screws)

Figure 2.1: The VANBAR 4K 48MP Trail Camera shown alongside a smartphone displaying a captured image of a bear. This illustrates the camera's design and its connectivity feature.

3. CAMERA COMPONENTS

Familiarize yourself with the main components of the trail camera:

- **Lens:** Main camera lens for capturing images and videos.
- **PIR Sensors:** Passive Infrared (PIR) motion sensors for detecting movement.
- **IR LEDs:** Infrared LEDs for night vision illumination.
- **LCD Screen:** 2.4-inch display for menu navigation, previewing images/videos, and settings adjustment.

- **Control Buttons:** Buttons for navigating the menu and making selections.

- **Battery Compartment:** Located at the bottom, holds 8 AA batteries.

- **SD Card Slot:** For inserting the Micro SD card.

- **USB Port:** For connecting to a computer.

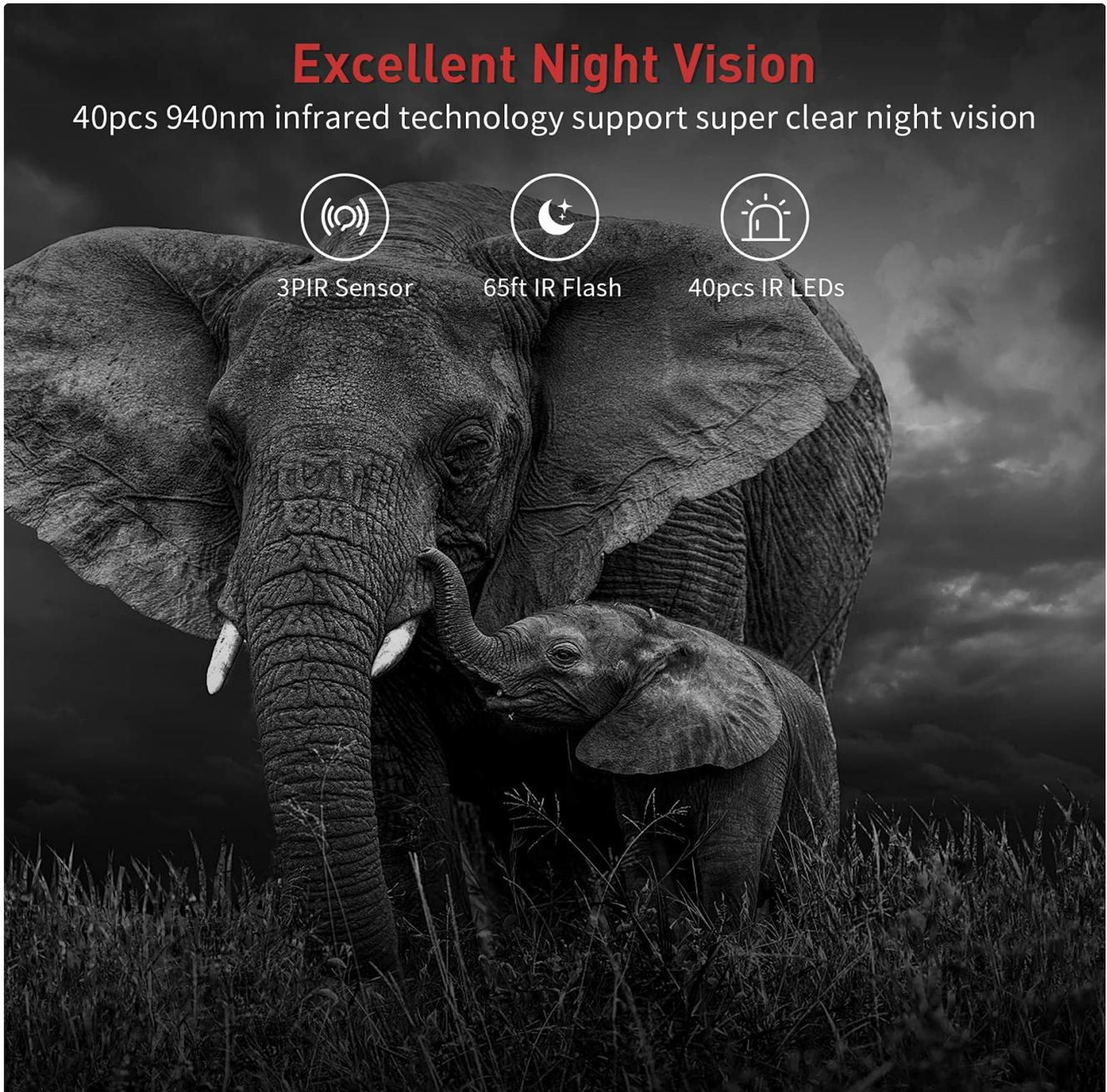- **Mounting Holes/Strap Pass-through:** For securing the camera to a tree or other surface.

Figure 3.1: The camera's infrared LEDs and PIR sensors are designed to provide clear night vision, as demonstrated by the image of elephants in a dark environment.

4. SETUP GUIDE

4.1. Battery Installation

1. Open the battery compartment latch at the bottom of the camera.

2. Insert 8 new AA batteries, ensuring correct polarity (+/-).

3. Close the battery compartment securely to maintain waterproofing.

4.2. Micro SD Card Insertion

1. Locate the SD card slot on the side of the camera.
2. Insert the provided 32GB Micro SD card with the gold contacts facing down until it clicks into place.
3. To remove, push the card in again until it springs out.

4.3. Mounting the Camera

The camera can be mounted using the included strap or mounting accessories.

- **Strap Mounting:** Thread the mounting strap through the slots on the back of the camera and secure it around a tree or pole.
- **Wall Mounting:** Use the provided bracket and screws to attach the camera to a wall or flat surface.

Tip: Position the camera at a height of approximately 1-2 meters (3-6 feet) and aim it towards the area you wish to monitor. Ensure there are no obstacles directly in front of the PIR sensors.
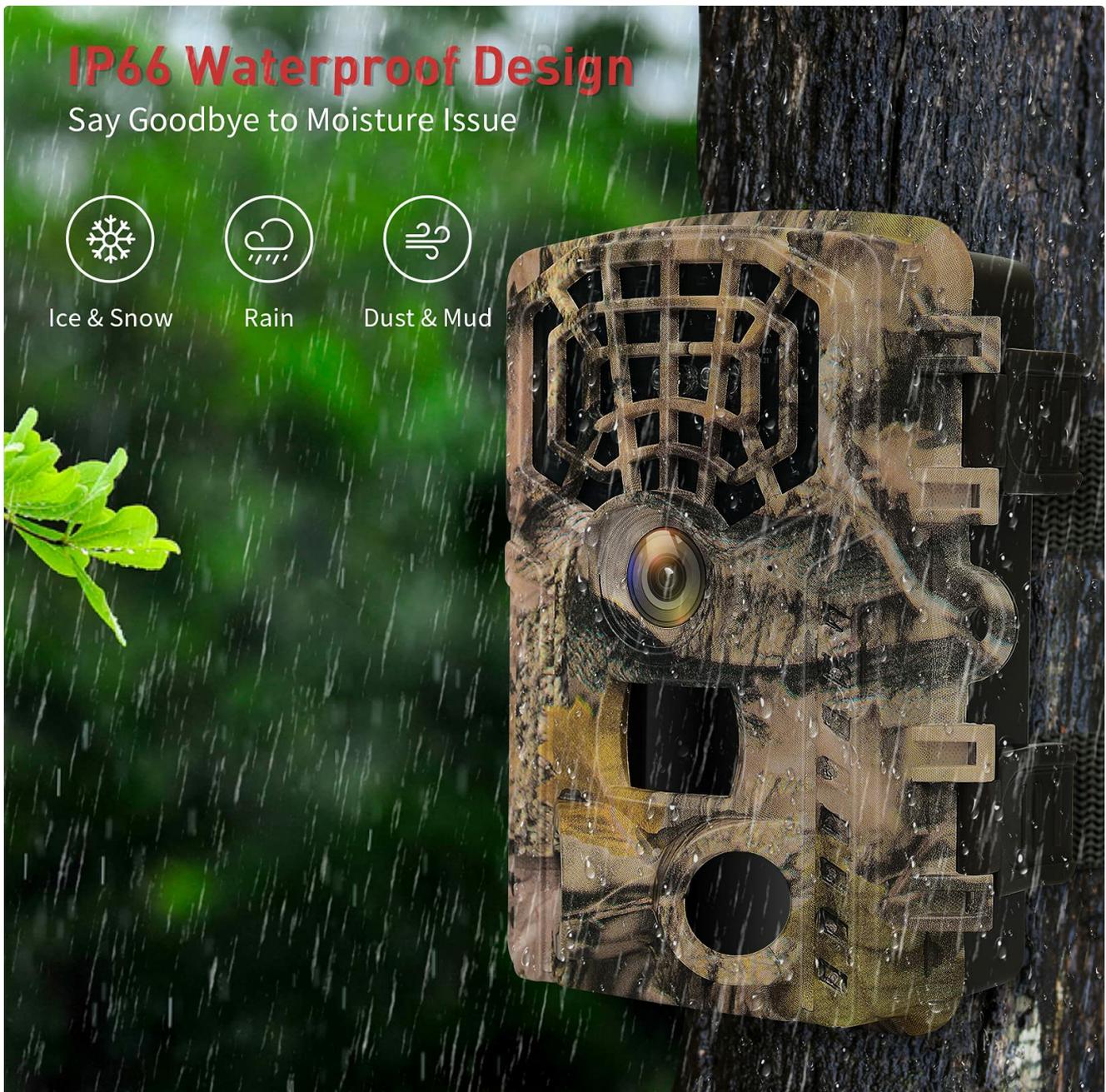

Figure 4.1: The camera's IP66 waterproof design allows it to withstand various weather conditions, including rain, dust, and snow,

making it ideal for outdoor deployment.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off and Mode Selection

The camera typically has a switch for OFF, TEST, and ON modes.

- **OFF:** Camera is powered off.
- **TEST:** Allows you to access the menu, adjust settings, and manually take photos/videos. The PIR sensor is active in this mode for testing detection range.
- **ON:** The camera enters monitoring mode. The screen will turn off after a few seconds, and the camera will begin recording based on your settings when motion is detected.

5.2. Menu Navigation and Settings

In TEST mode, use the control buttons to navigate the menu on the 2.4-inch LCD screen. Common settings include:

- **Mode:** Photo, Video, Photo+Video.
- **Photo Resolution:** Up to 48MP.
- **Video Resolution:** Up to 4K.
- **PIR Sensitivity:** High, Medium, Low.
- **Trigger Interval:** Time between detections.
- **Time Lapse:** Capture images at set intervals.
- **Date/Time Stamp:** Enable/disable timestamp on media.

Figure 5.1: The camera's 2.4-inch LCD screen allows for clear playback of captured 4K videos, such as this one of a gazelle, ensuring sharp and smooth viewing.

5.3. WiFi and App Control

The VANBAR trail camera supports WiFi and Bluetooth connectivity for remote control via a smartphone app (VENARI app).

1. Download the "VENARI" app from the Apple App Store or Google Play Store.

2. Ensure Bluetooth and WiFi are enabled on your smartphone.

3. Open the VENARI app and tap "Connect device WIFI".

4. Allow necessary permissions (location, media access) when prompted.

5. Select the corresponding Bluetooth name (e.g., "Hownic").

6. Choose "Auto Connect" to automatically connect to the camera's WiFi hotspot.

7. Wait approximately 60 seconds for the app to establish the WiFi connection.

8. Once connected, you can control the camera, view live footage, and download media directly to your smartphone within the 10-15 meter range.
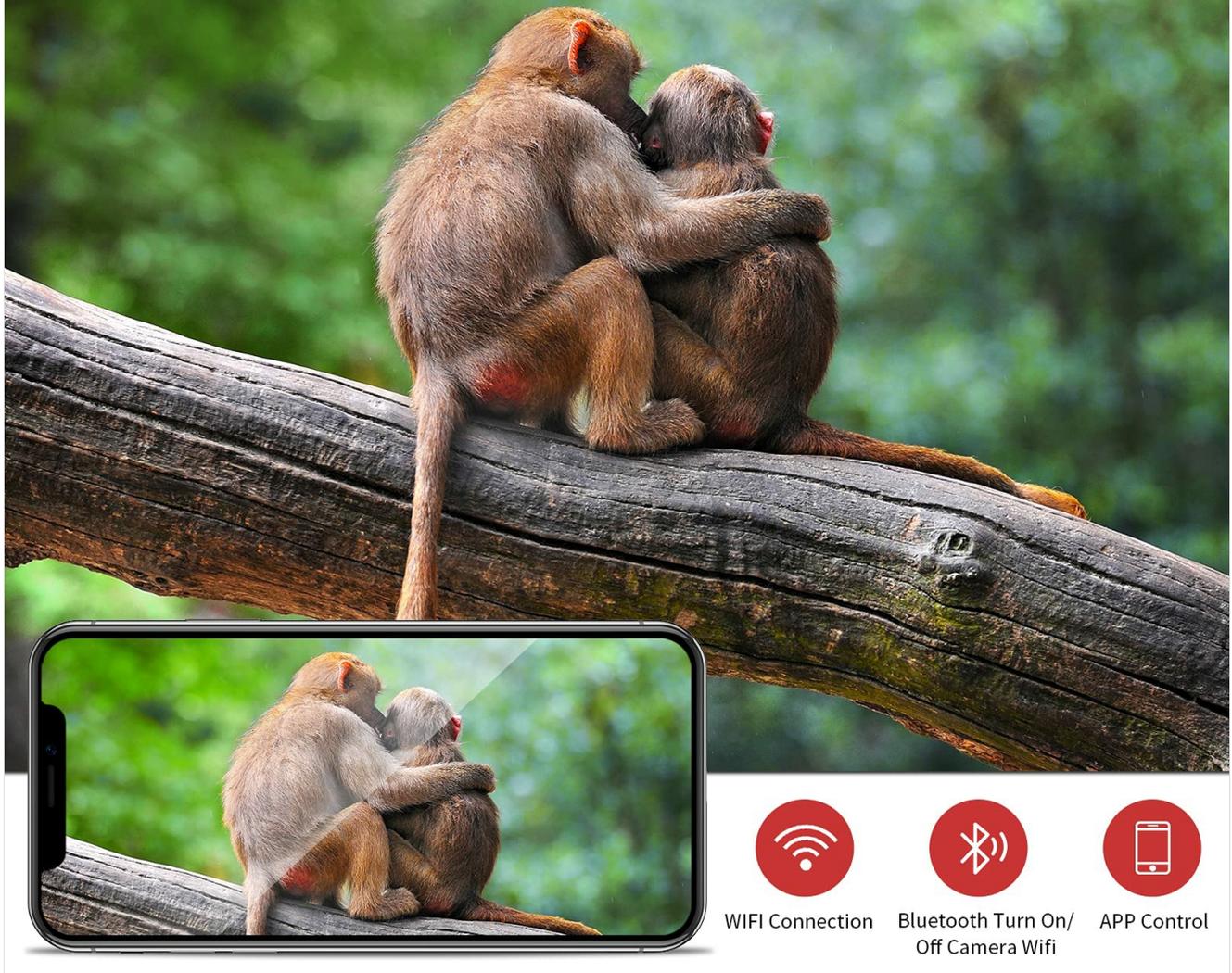
Figure 5.2: The camera's WiFi and Bluetooth capabilities allow seamless connection to a smartphone app, enabling users to view images and videos of wildlife, such as these baboons, remotely.

5.4. Trigger Speed and Detection Angle

The camera boasts a rapid 0.2-second trigger speed and a wide 120-degree detection angle to ensure no moment is missed.

0.2s Trigger Speed
ensure fast capture of every detected motion

-120°- -100°- -80°- ... -80°- -100°- -120°-

0.2s Trigger Speed

0.2s

Figure 5.3: The camera's impressive 0.2-second trigger speed ensures that fast-moving subjects, like a cheetah, are captured without significant delay, providing clear action shots.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and body. Avoid abrasive cleaners or solvents.
- **Battery Replacement:** Replace all 8 AA batteries when the low battery indicator appears. Do not mix old and new batteries or different battery types.
- **SD Card Management:** Regularly format the Micro SD card in the camera's menu to ensure optimal performance and prevent data corruption. Back up important files before formatting.
- **Storage:** When not in use for extended periods, remove batteries and store the camera in a cool, dry place.

7. TROUBLESHOOTING

Problem	Possible Cause / Solution
Camera not powering on	Check battery polarity. Ensure batteries are fully charged. Try new batteries.
No photos/videos captured	Ensure camera is in ON mode. Check PIR sensitivity settings. Format the SD card. Ensure enough space on SD card.
Poor night vision images	Ensure IR LEDs are not obstructed. Check battery level (low power affects IR performance).
WiFi connection issues	Ensure camera is in TEST mode. Be within 10-15 meters range. Restart camera and phone app. Check phone's Bluetooth/WiFi settings.
Camera triggers too often/not enough	Adjust PIR sensitivity (High for more triggers, Low for fewer). Adjust trigger interval.

8. SPECIFICATIONS

Feature	Detail
Brand	VANBAR
Model Name	D700
Video Capture Resolution	4K
Photo Resolution	48MP
Connectivity Technology	Wireless (WiFi, Bluetooth)
Special Feature	Night Vision
Indoor/Outdoor Use	Outdoor
Compatible Devices	Smartphone (iOS)
Power Source	Battery Powered
Battery Type	8 AA batteries (not included)
Effective Video Resolution	1080 Pixels (Note: 4K is capture resolution, 1080 is effective)
Viewing Angle	120 degrees
Trigger Speed	0.2 seconds
IR LEDs	40 pcs 940nm non-luminous IR LEDs
Night Vision Distance	Up to 22 meters (65 feet)

Feature	Detail
Waterproof Rating	IP66
Product Dimensions (L x W x H)	12.7 x 20.32 x 15.24 cm; 498.95 grams (5 x 8 x 6 inches; 1.1 lbs)

9. WARRANTY AND SUPPORT

VANBAR products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided on the product packaging or the official VANBAR website.

Please retain your proof of purchase for warranty claims.

For the latest updates and FAQs, visit the official VANBAR support page:

VANBAR Official Support