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› VOOPEAK 4G Trail Camera TC31A User Manual

## VOOPEAK TC31A

# VOOPEAK 4G Trail Camera TC31A User Manual

Model: TC31A

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## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your VOOPEAK 4G Trail Camera, model TC31A. Designed for outdoor surveillance and wildlife observation, this camera features 32MP photo resolution, 1080P HD video recording, 850nm invisible infrared night vision, 4G cellular connectivity, and an IP66 waterproof rating.

Please read this manual thoroughly before using the camera to ensure optimal performance and longevity.

## 2. SAFETY INFORMATION

- Do not attempt to disassemble or modify the camera. Unauthorized modifications can void the warranty and cause damage.
- Use only specified batteries (8 AA batteries). Mixing old and new batteries or different types of batteries is not recommended.
- Ensure the battery compartment is securely closed to maintain the IP66 waterproof rating.
- Keep the camera away from extreme temperatures, direct sunlight for prolonged periods, and corrosive materials.
- Dispose of batteries according to local regulations.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- VOOPEAK TC31A 4G Trail Camera
- USB-C Charging Cable
- Mounting Strap/Bracket
- Instruction Manual
- Integrated SIM Card (pre-installed)

Note: 8 AA batteries and a Micro SD card (up to 64GB) are not included and must be purchased separately.

## 4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your VOOPEAK TC31A Trail Camera.



Figure 4.1: Front view of the VOOPEAK TC31A 4G Trail Camera, showing the lens, PIR sensor, and integrated screen.

# Détection de Mouvement PIR

Recevez des alertes en temps réel sur votre téléphone, ne manquez plus rien.



Figure 4.2: Internal view of the camera, highlighting the LCD screen, navigation buttons, and mode switch (OFF/SETUP/ON).

# Carte SIM Intégrée

Pas besoin d'installer vous-même la carte SIM, l'appareil photo dispose d'une carte SIM intégrée avec des forfaits bon marché parmi lesquels vous pouvez choisir



Figure 4.3: Close-up of the camera's internal compartment, showing the integrated SIM card slot and the Micro SD card slot (card not included).

- **Main Lens:** Captures 32MP photos and 1080P HD videos.
- **PIR Motion Sensor:** Detects movement up to 20 meters.
- **Infrared LEDs (2x 850nm):** Provides invisible night vision for clear black and white images in low light.
- **2-inch LCD Screen:** For menu navigation, settings adjustment, and on-site photo/video review.
- **Control Buttons:** Navigate menus and confirm selections.
- **Mode Switch:** OFF, SETUP, ON.
- **Integrated 4G SIM Card:** Enables cellular connectivity for remote access.
- **Micro SD Card Slot:** Supports up to 64GB for local storage.
- **External Antenna:** Enhances 4G signal reception.
- **Battery Compartment:** Holds 8 AA batteries.
- **USB-C Port:** For connecting to a computer or external power source (not for charging internal batteries).

## 5. SETUP

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### 5.1 Battery Installation

1. Open the camera's side latches and open the housing.
2. Locate the battery compartment.
3. Insert 8 new AA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment and secure the latches firmly to maintain waterproofing.

### 5.2 Micro SD Card Installation

1. With the camera powered OFF, locate the Micro SD card slot.
2. Insert a Micro SD card (Class 10 or higher, up to 64GB) into the slot until it clicks into place.
3. To remove, push the card in again until it springs out.

### 5.3 SIM Card Activation (Integrated)

The camera comes with an integrated 4G SIM card. To enable cellular functions and cloud services:

1. Download the "TrailCam Go" application on your smartphone (available on iOS and Android app stores).
2. Follow the in-app instructions to register your camera and activate the integrated SIM card. This typically involves scanning a QR code on the camera.
3. Choose a suitable data plan for your needs. A trial period or special offer may be available for the first month.

### 5.4 Mounting the Camera

The camera can be mounted using the provided strap or bracket.

- **Location:** Choose a stable location, such as a tree or post, that provides a clear view of the desired monitoring area.
- **Height:** Mount the camera at a height appropriate for the subjects you wish to capture (e.g., animal eye level).
- **Orientation:** Ensure the camera is level and pointed correctly. Avoid pointing directly at the sun to prevent overexposure.

# Stockage Cloud Gratuit à Vie

Une fois activée, la caméra de chasse offre un stockage cloud à vie, garantissant qu'aucune séquence ne sera jamais perdue.



Figure 5.1: Example of the camera mounted on a tree using the provided strap.

## 6. OPERATING INSTRUCTIONS

### 6.1 Initial Configuration via LCD Screen

1. Switch the mode selector to "SETUP". The LCD screen will turn on.
2. Use the navigation buttons to browse the menu.
3. Adjust settings such as:
  - **Mode:** Photo, Video, Photo+Video.
  - **Photo Resolution:** Up to 32MP.
  - **Video Resolution:** 1080P HD.
  - **PIR Sensitivity:** Low, Medium, High (adjust based on environment to minimize false triggers).
  - **Detection Delay:** Time interval between detections.
  - **Time & Date:** Set current time and date.
  - **Loop Recording:** Enable/Disable (overwrites oldest files when SD card is full).

4. After configuring settings, switch the mode selector to "ON" to begin operation. The screen will turn off, and the camera will enter monitoring mode.



Figure 6.1: Using the integrated LCD screen for camera setup. Ensure the mode switch is in "SETUP" position.

## 6.2 Remote Monitoring via TrailCam Go App

Once the SIM card is activated and the camera is connected to the 4G network, you can remotely access its features via the "TrailCam Go" app.

1. Open the "TrailCam Go" app on your smartphone.
2. Your registered camera should appear in the device list.
3. From the app, you can:
  - Receive real-time motion detection alerts.
  - View captured photos and video replays (stored in the cloud).
  - Adjust camera settings remotely.
  - Check battery status and signal strength.



Figure 6.2: Real-time motion detection alerts received on a smartphone via the TrailCam Go app.



Figure 6.3: Accessing high-quality 32MP photos and 1080P videos through the TrailCam Go application.

### 6.3 Night Vision Operation

The camera automatically switches to night vision mode in low light conditions. The two 850nm infrared LEDs provide illumination without visible flash, ensuring discreet capture of wildlife. Night vision images and videos will be in black and white.

# Vision Nocturne Supérieure

Équipé de 2 lampes infrarouges invisibles haute puissance de 850 nm pour la vision nocturne, distance de tir jusqu'à 20m



**Autres**

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Figure 6.4: Superior night vision capability of the VOOPEAK TC31A, capturing clear images in darkness using invisible infrared light.

## 6.4 Loop Recording

When enabled in the camera settings, loop recording automatically overwrites the oldest files on the Micro SD card when it becomes full, ensuring continuous operation without manual intervention.



Figure 6.5: Loop recording ensures continuous capture by overwriting the oldest files when the SD card is full.

## 7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and PIR sensor. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace all 8 AA batteries when the low battery indicator appears on the screen or in the app.
- **SD Card Management:** Regularly check the SD card capacity. Enable loop recording or manually delete old files to ensure continuous recording.
- **Firmware Updates:** Check the "TrailCam Go" app or VOOPEAK's official website for any available firmware updates to ensure optimal performance and new features.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not powering on.	Batteries are low or incorrectly installed.	Replace with new AA batteries, ensuring correct polarity.
No photos/videos captured.	SD card full, incorrectly inserted, or corrupted. PIR sensitivity too low. Camera in OFF mode.	Check/replace SD card. Format SD card via camera menu. Increase PIR sensitivity. Ensure camera is in ON mode.
No 4G signal or remote access.	SIM card not activated. Poor cellular coverage. Data plan expired.	Verify SIM activation and data plan status in the app. Relocate camera to an area with better signal.
Blurry images/videos.	Lens is dirty. Camera is too close/far from subject.	Clean the lens. Adjust camera position relative to the subject.
False triggers.	PIR sensitivity too high. Heat sources or moving branches in detection zone.	Decrease PIR sensitivity. Clear detection zone of obstructions.

## 9. SPECIFICATIONS

<b>Model Name</b>	TC31A 4G Trail Camera
<b>Brand</b>	VOOPEAK
<b>Connectivity Technology</b>	Wireless (4G Cellular)
<b>Photo Resolution</b>	32 Megapixels
<b>Video Resolution</b>	1080P HD @ 30fps
<b>Viewing Angle</b>	120 Degrees
<b>Night Vision Range</b>	20 Meters (65 feet)
<b>IR LEDs</b>	2 x 850nm (Invisible)
<b>Motion Detection</b>	PIR Sensor
<b>Water Resistance</b>	IP66 Waterproof
<b>Power Source</b>	8 x AA Batteries (not included)
<b>Storage</b>	Micro SD Card (up to 64GB, not included), Cloud Storage via App
<b>Control Method</b>	Integrated LCD Screen, Smartphone App ("TrailCam Go")
<b>Dimensions</b>	19.5 x 8.5 x 12.5 cm
<b>Operating Temperature</b>	-25°C to 60°C

## 10. WARRANTY AND SUPPORT

The VOOPEAK TC31A 4G Trail Camera comes with a **1-year manufacturer's warranty** from the date of purchase. For technical support, warranty claims, or any questions regarding your product, please contact VOOPEAK customer service through the "TrailCam Go" application or visit the official VOOPEAK website. Please have your model number (TC31A) and purchase details ready when contacting support.

## 11. VIDEO RESOURCES

For visual guidance on setup and operation, please refer to official VOOPEAK video tutorials. If available, relevant videos will be embedded below.

*Note: No specific video URLs with "creator\_type":"Seller" were found in the provided product data. Please check the VOOPEAK official website or product page for available video resources.*