VOOPEAK TC27

VOOPEAK Cellular Trail Camera User Manual

Model: TC27 | Brand: VOOPEAK

1. Introduction

The VOOPEAK Cellular Trail Camera (Model TC27) is designed for remote wildlife monitoring and security applications. Featuring 2.5K crystal clear live video, 355° pan and 90° tilt capabilities, and color night vision, this camera provides comprehensive coverage. It operates on 4G LTE cellular networks with a built-in SIM card and is powered by an integrated solar panel, ensuring continuous operation without frequent battery changes. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting.



Image: VOOPEAK Cellular Trail Camera with solar panel and a smartphone displaying its live feed, highlighting its remote monitoring capabilities.

2. Package Contents

Verify that all items are present in the package before proceeding with installation:

- VOOPEAK Cellular Trail Camera (Model TC27)
- Integrated Solar Panel
- Built-in SIM Card
- Mounting Bracket and Screws
- Mounting Strap
- USB Charging Cable

- User Manual

Note: A Micro SD card is not included and must be purchased separately for local storage.

3. Setup Guide

3.1 Initial Charging and Power

Although the camera features a solar panel, it is recommended to fully charge the internal battery via the USB charging cable before first use. Connect the camera to a standard 5V USB power adapter (not included) until the charging indicator shows a full charge.

3.2 SIM Card and Memory Card Installation

The camera comes with a built-in SIM card for cellular connectivity. A Micro SD card (not included) is required for storing recorded videos and images locally.

1. Locate the SIM card and Micro SD card slot on the camera body. This is typically protected by a rubber cover.
2. Gently open the cover.
3. Insert the Micro SD card into its designated slot with the contacts facing down until it clicks into place.
4. Ensure the built-in SIM card is securely in its slot. Do not attempt to remove the built-in SIM card.
5. Close the rubber cover firmly to ensure water resistance.



Image: Detailed view of the camera's side panel, illustrating the built-in SIM card and the slot for an optional Micro SD card.

3.3 App Installation and Pairing

To control and view live footage from your camera, download the dedicated mobile application.

1. Scan the QR code provided in the quick start guide or search for the 'UCon' app in your device's app store (iOS/Android).
2. Install and open the application.
3. Create a new account or log in if you already have one.
4. Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera itself or entering its serial number.
5. Ensure your phone has an active internet connection during the pairing process.

3.4 Mounting the Camera

Select a suitable location for your camera, considering factors like sunlight exposure for the solar panel, desired field of view, and proximity to cellular signal.

- **Using the Mounting Strap:** Thread the provided strap through the camera's mounting slots and secure it

around a tree or pole. Ensure the camera is stable and facing the desired area.

- **Using the Mounting Bracket and Screws:** Attach the mounting bracket to a flat surface (e.g., wall, wooden post) using the supplied screws. Then, attach the camera to the bracket.
- **Solar Panel Orientation:** Position the solar panel to receive maximum direct sunlight throughout the day for optimal charging.



Image: The VOOPEAK camera mounted on a tree, emphasizing its solar charging capability for extended use.

4. Operating the Camera

4.1 Live View and PTZ Control

Access the live video feed and control the camera's movement through the UCon app.

- Open the UCon app and select your camera from the device list.
- The live video feed will appear.

- Use the on-screen controls to pan (355° horizontal rotation) and tilt (90° vertical rotation) the camera lens to adjust the viewing angle.



Image: The camera's pan and tilt functionality demonstrated with on-screen controls on a smartphone, showing its wide coverage.



Image: A user viewing the live video feed of the camera on their smartphone, illustrating remote monitoring.

4.2 Color Night Vision

The camera is equipped with advanced night vision capabilities, providing full-color video even in low-light conditions when ambient brightness is greater than 0.5 lux.

- The camera automatically switches between day and night modes based on ambient light.
- In extremely dark conditions (below 0.5 lux), the camera will utilize infrared (IR) illumination for clear black and white night vision.



Image: A deer captured in full color during low-light conditions, demonstrating the camera's color night vision feature.



Image: A side-by-side comparison illustrating the camera's ability to capture clear images of deer in both daylight and low-light (color night vision) conditions.

4.3 Data Plans and Cloud Storage

The camera requires a cellular data plan for remote access and notifications. A free trial for cloud storage is typically included.

- The built-in SIM card supports major U.S. carriers like Verizon, T-Mobile, and AT&T.

- Data plans are available for various durations (e.g., 30-day, 180-day, 360-day, 720-day). Refer to the UCon app or VOOPEAK website for current pricing and activation.
- Cloud storage offers a secure way to store your recordings and can be accessed via the app. A 30-day free trial is usually provided upon activation.



Image: Overview of available SIM card data plans and their respective durations and costs.



Image: A smartphone screen displaying options for cloud storage and local Micro SD card storage for camera recordings.

4.4 Sharing Camera Access

You can share access to your camera's live feed and recordings with multiple users through the UCon app.

- In the UCon app, navigate to the camera settings.
- Look for a 'Share Device' or 'User Management' option.
- Invite other users by entering their account details or generating a shareable link/QR code.
- Shared users will need to have the UCon app installed and an account created.



Image: An illustration depicting multiple users across different locations sharing access to the same camera via the mobile application.

4.5 Two-Way Audio

The camera supports two-way audio communication, allowing you to listen and speak through the camera via the app.

- While viewing the live feed in the UCon app, locate the microphone and speaker icons.
- Tap the microphone icon to speak through the camera. Tap the speaker icon to listen to audio from the camera's location.

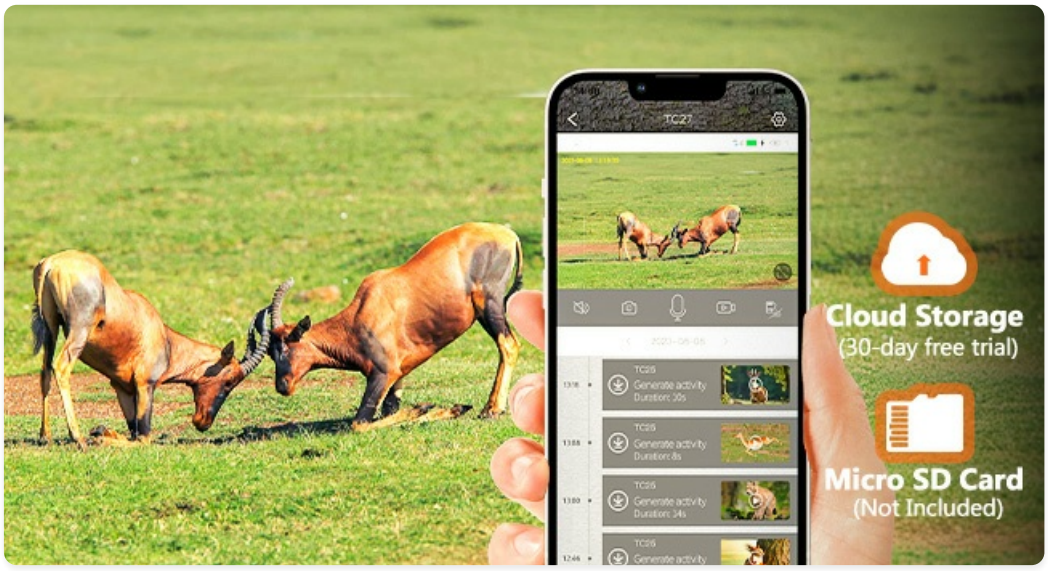


Image: A scenario demonstrating the two-way audio feature, where a user can communicate through the camera to a person in its vicinity.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your VOOPEAK Trail Camera.

- **Cleaning:** Periodically wipe the camera lens and solar panel with a soft, damp cloth to remove dust, dirt, or debris. Avoid abrasive cleaners.
- **Solar Panel Efficiency:** Ensure the solar panel is not obstructed by leaves, snow, or other objects that could block sunlight. Clean it regularly to maximize charging efficiency.
- **Firmware Updates:** Check the UCon app periodically for available firmware updates. Keeping the firmware updated can improve performance and add new features.
- **Battery Health:** While the solar panel helps maintain charge, if the camera is stored for extended periods, ensure it is fully charged before storage and recharged every few months to prevent deep discharge.

6. Troubleshooting

This section addresses common issues you might encounter with your VOOPEAK Cellular Trail Camera.

Problem	Possible Cause	Solution
Camera not connecting to app/network	No cellular signal; SIM card not activated; App connection issue.	Check cellular signal strength at camera location. Ensure SIM card data plan is active. Restart the camera and the UCon app. Try re-pairing the camera if necessary.
Poor image/video quality	Dirty lens; Low light conditions; Network bandwidth issues.	Clean the camera lens. Ensure adequate lighting for color night vision. Check cellular signal strength for better streaming quality.

Problem	Possible Cause	Solution
Battery not holding charge	Insufficient sunlight for solar panel; Faulty solar panel/battery; High power consumption.	Ensure solar panel is clean and receives direct sunlight. Fully charge via USB. Reduce frequency of live view or recordings if battery drains quickly. Contact support if issue persists.
Motion detection not working	PIR sensor obstructed; Sensitivity settings too low; Environmental factors.	Clear any obstructions from the PIR sensor. Adjust motion detection sensitivity in the app. Avoid placing camera near heat sources or moving foliage that could cause false triggers.
Cannot insert Micro SD card	Incorrect orientation; Card slot obstruction.	Ensure the Micro SD card is oriented correctly (contacts facing down). Do not force the card. Check for any debris in the slot.

7. Specifications

Feature	Detail
Model Number	TC27
Product Dimensions	5 x 4 x 7 inches
Item Weight	2.51 pounds
Connectivity	4G LTE Cellular (Built-in SIM Card)
Video Resolution	Up to 2.5K (Live View 1080P)
Pan/Tilt Range	Pan 355°, Tilt 90°
Night Vision	Color Night Vision (above 0.5 lux), IR Black & White Night Vision
Power Source	Rechargeable Battery (10400mAh) with 6W Solar Panel
Storage	Micro SD Card (not included), Cloud Storage (optional subscription)
Supported Carriers (US)	Verizon, T-Mobile, AT&T
UPC	765463559280

8. Warranty and Support

VOOPEAK is committed to providing high-quality products and customer service.

- **Customer Service:** VOOPEAK aims to respond to inquiries within 24 hours.
- **Returns and Exchanges:** Hassle-free returns and exchanges are typically available within 30 days of

purchase.

- **Lifetime Support:** VOOPEAK offers lifetime continuous support for its trail cameras.

For technical assistance, warranty claims, or general inquiries, please contact VOOPEAK customer support through the contact information provided on the official VOOPEAK website or within the UCon application.

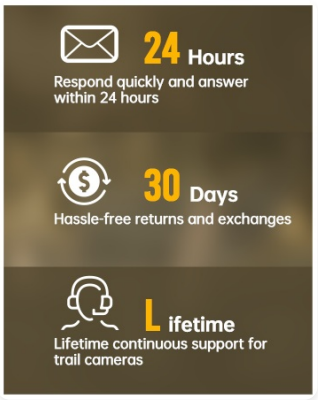


Image: Summary of VOOPEAK's customer support commitments: 24-hour response, 30-day returns, and lifetime continuous support.