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usogood TC80

usogood Trail Camera WiFi 4K 48MP

Model: TC80

User Instruction Manual

1. INTRODUCTION

The usogood TC80 Trail Camera is a high-performance device designed for wildlife monitoring, hunting, and outdoor security. It features 4K video recording, 48MP still image capture, Wi-Fi connectivity for remote control via a dedicated app, and robust waterproof construction. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your trail camera to ensure optimal performance.



Figure 1.1: usogood TC80 Trail Camera and accessories.

2. WHAT'S IN THE BOX

Upon unboxing your usogood TC80 Trail Camera, please verify that all the following components are included:

- Trail Camera (1 unit)
- Mounting Belt / USB Cable (1 set)
- Instruction Manual (1 copy)
- AA Batteries (8 units)
- 32GB Memory Card (1 unit)

WHAT'S IN THE BOX?

(With 8 batteries and memory card)



Figure 2.1: Included components of the usogood TC80 Trail Camera kit.

3. PRODUCT OVERVIEW

3.1 Key Features

- Wi-Fi & App Control:** Remotely control the camera and download media via the "TrailCam GO" app (20m Wi-Fi hotspot range).
- High Resolution:** Captures 48MP photos and 4K videos.
- Super Night Vision:** Equipped with 36pcs 850nm IR LEDs for clear black-and-white footage up to 20 meters without disturbing wildlife.
- Fast Trigger Speed:** 0.3-second trigger speed with 120° detection angle (3 PIR sensors) to minimize missed shots.
- Durable & Waterproof:** IP66 rated for operation in various weather conditions (-20°C to 60°C).
- Multiple Modes:** Supports photo, video, and hybrid modes, along with time-lapse and continuous shooting.
- Storage:** Supports up to 128GB Micro SD card (32GB included).
- Power:** Operates on 8x AA batteries (included) or external power.

- **2.0-inch LCD Screen:** For direct viewing and settings adjustment.

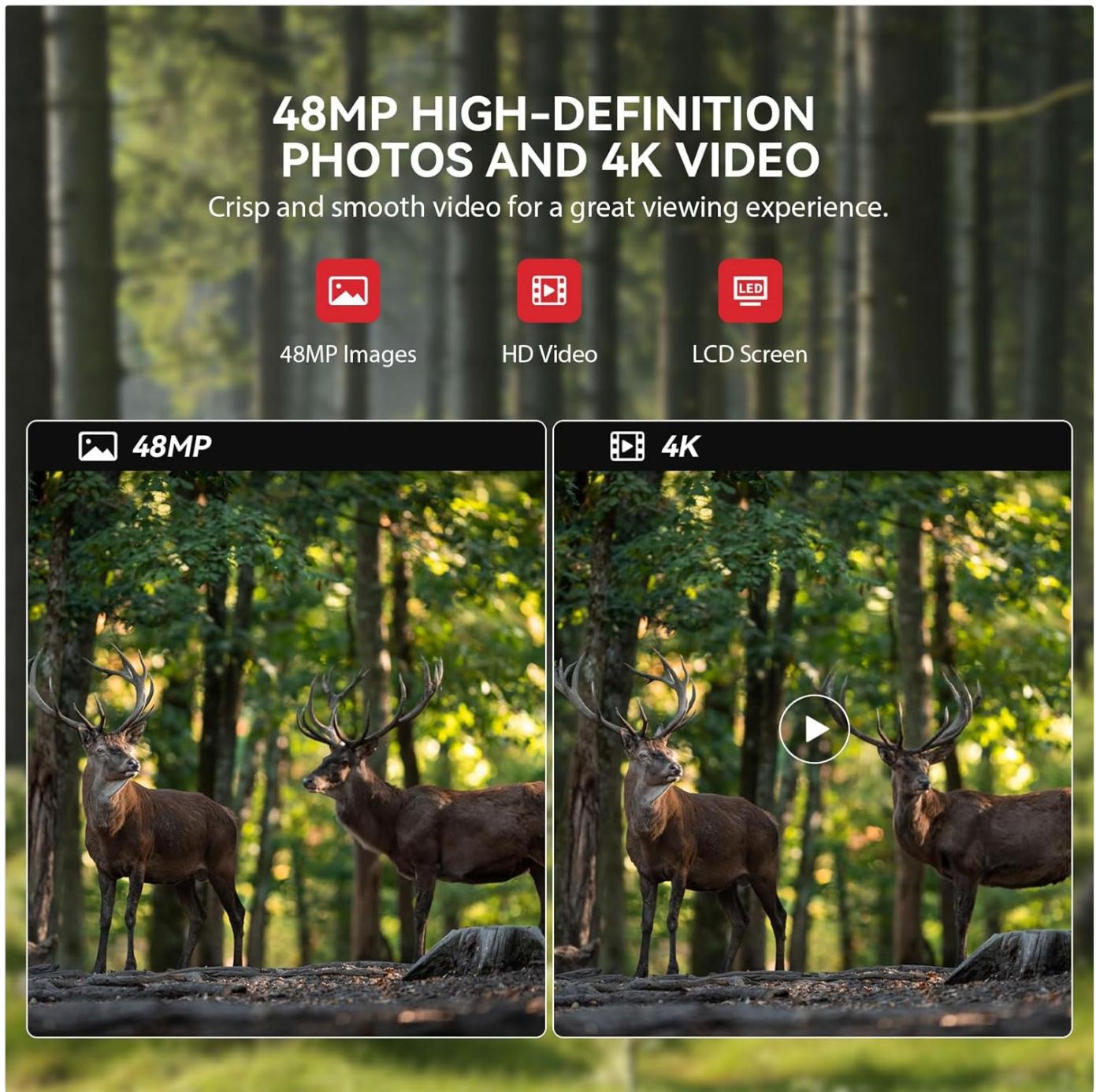


Figure 3.1: High-resolution photo and video capabilities.



Figure 3.2: The 2.0-inch color LCD screen for on-site viewing.

4. SETUP

4.1 Battery and Memory Card Installation

1. Open the camera casing by unlatching the side clips.
2. Locate the battery compartment. Insert 8 AA batteries, ensuring correct polarity (+/-).
3. Insert the 32GB Micro SD card into the designated slot until it clicks into place. Ensure the card is inserted correctly to avoid damage.
4. Close the camera casing and secure the latches.

4.2 Mounting the Camera

The camera can be mounted using the included mounting belt or a wall mount (not included). Choose a location that provides a clear view of the desired monitoring area, free from obstructions.

- **Using the Mounting Belt:** Thread the belt through the slots on the back of the camera and secure it around a tree or pole. Adjust the camera angle as needed.
- **Using a Wall Mount:** Attach the camera to a compatible wall mount (purchased separately) using the threaded insert at the bottom of the camera.

4.3 App Connection (TrailCam GO)

The usogood TC80 Trail Camera connects to your smartphone via a direct Wi-Fi hotspot, not your home network. This allows for remote control and media download.

1. Download the "TrailCam GO" app from your device's app store.
2. On your smartphone, ensure Bluetooth and Wi-Fi are enabled, and location permissions are granted for the app.
3. Slide the camera to the ON mode. After a 5-second countdown, the screen will turn black, indicating it has entered working mode.
4. Open the "TrailCam GO" app and tap "Connect Camera." The app will search for available cameras.
5. Select your camera from the list (e.g., "TrailCam_000X").
6. Once connected, you can preview the camera's view, adjust settings, and download photos/videos directly to your phone.

Note: The effective Wi-Fi distance is approximately 20 meters (65 feet). Due to the 2.4GHz Wi-Fi frequency, potential

interference may occur.

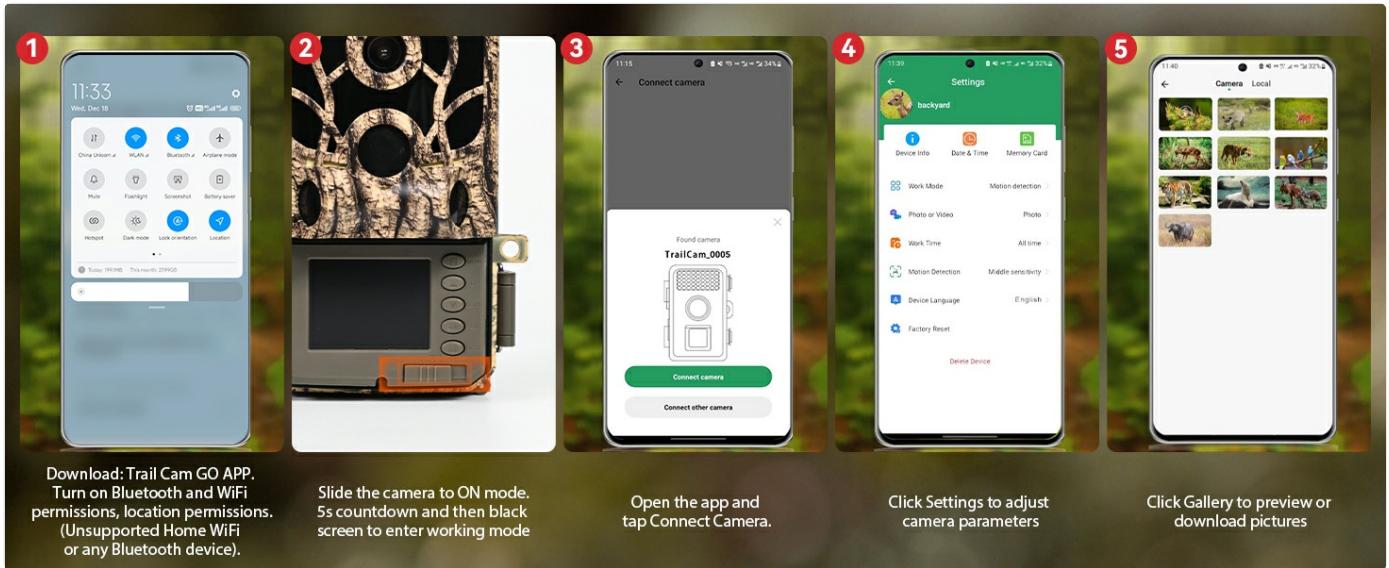


Figure 4.1: Steps for connecting the camera to the mobile app.

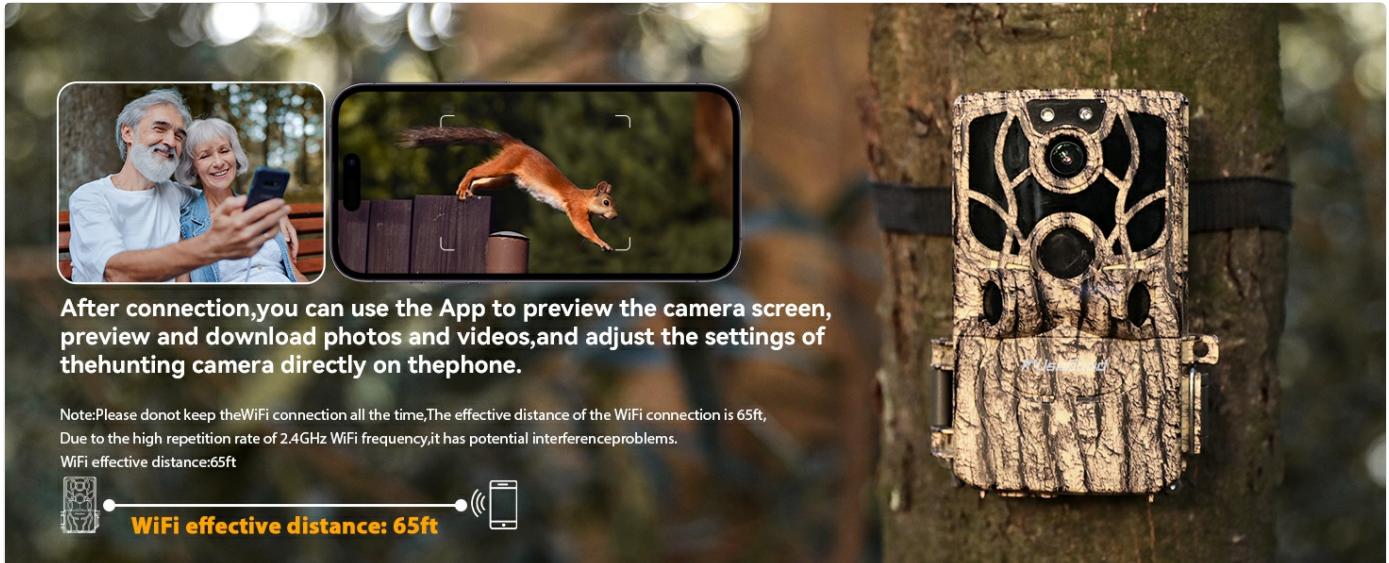


Figure 4.2: App interface for previewing and adjusting settings.

5. OPERATING INSTRUCTIONS

5.1 Operating Modes

The camera offers three primary operating modes:

- **Photo Mode:** Captures still images when motion is detected.
- **Video Mode:** Records video clips when motion is detected.
- **Hybrid Mode:** Captures both a still image and a video clip when motion is detected.

You can select the desired mode through the camera's internal menu or via the "TrailCam GO" app settings.

5.2 Motion Detection and Trigger Speed

The camera utilizes three Passive Infrared (PIR) sensors to detect motion within a 120° field of view. The central PIR sensor covers 60°, while two side PIR sensors cover 30° each. The camera boasts a rapid 0.3-second trigger speed to capture fast-moving subjects.

Tip: Turning off the side PIR sensors can reduce the recording range and conserve battery power, useful in specific

monitoring scenarios.



Figure 5.1: 120° PIR Detection Angle.

0.2S TRIGGER SPEED

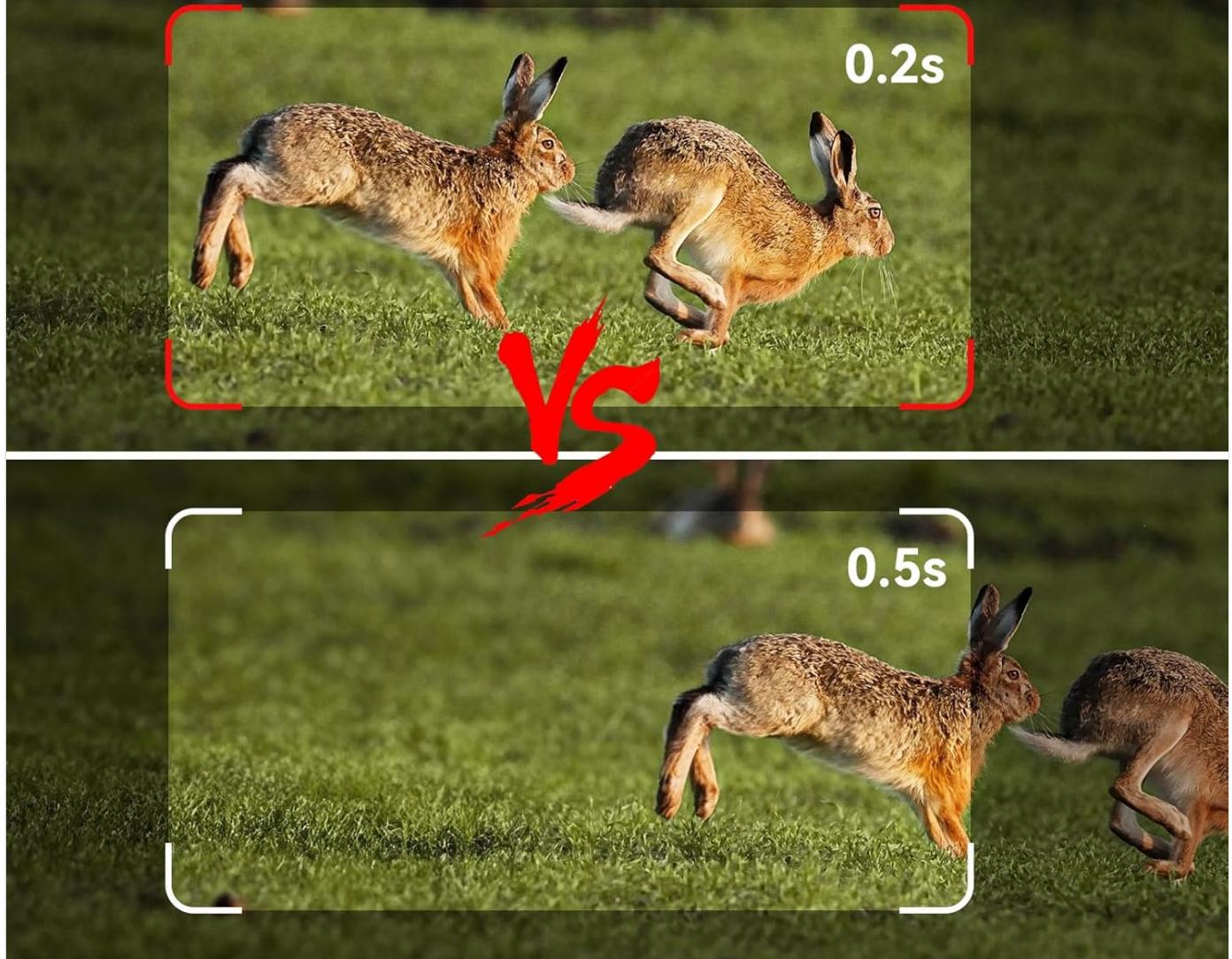


Figure 5.2: Illustration of 0.2s Trigger Speed.

5.3 Night Vision

For nighttime recording, the camera employs 36pcs 850nm infrared LEDs, providing clear black-and-white footage up to 20 meters (65 feet) without emitting visible light that could spook wildlife.

20M NIGHT VISION DISTANCE

36 850nm Infrared LEDs, HD Night Vision



Figure 5.3: 20M Night Vision Distance.

5.4 Loop Recording

The camera supports loop recording, which automatically overwrites the oldest footage when the memory card is full. This ensures continuous recording without manual intervention, provided there is sufficient power.

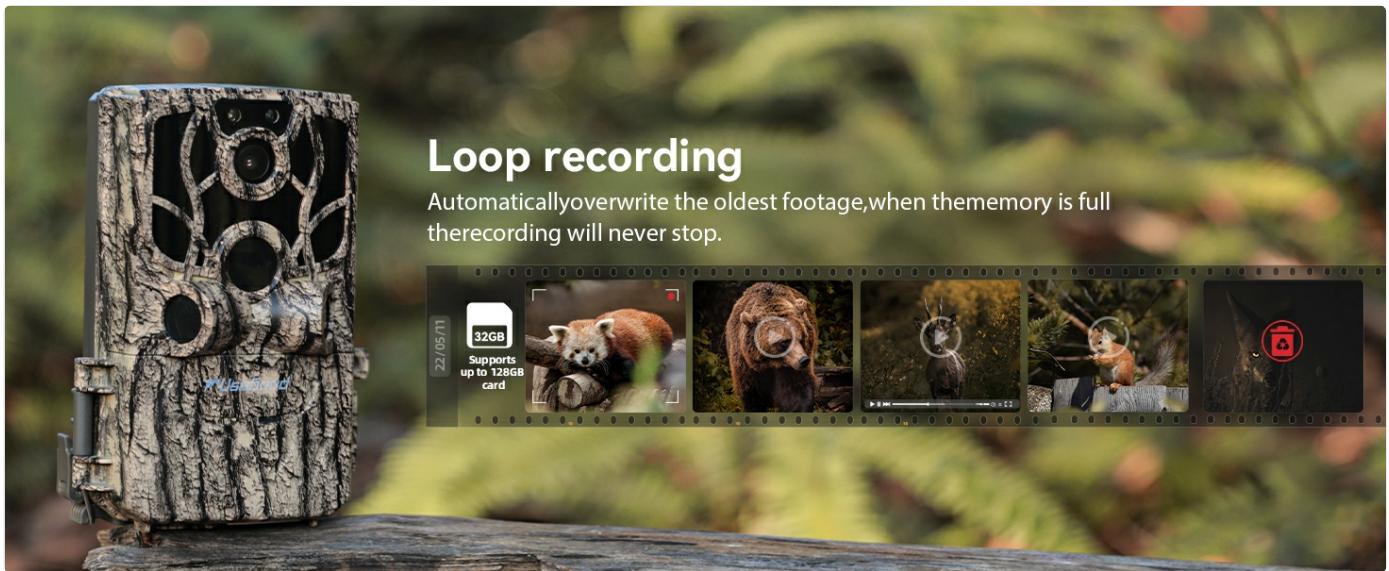


Figure 5.4: Loop Recording Functionality.

5.5 Data Retrieval

You can retrieve captured photos and videos using one of the following methods:

- **Via App:** Connect to the camera using the "TrailCam GO" app and download files directly to your smartphone.
- **Via USB Cable:** Connect the camera to a computer using the provided USB cable. The camera will appear as a removable disk, allowing you to copy files.
- **Via Memory Card:** Remove the Micro SD card from the camera and insert it into a compatible card reader connected to a computer.

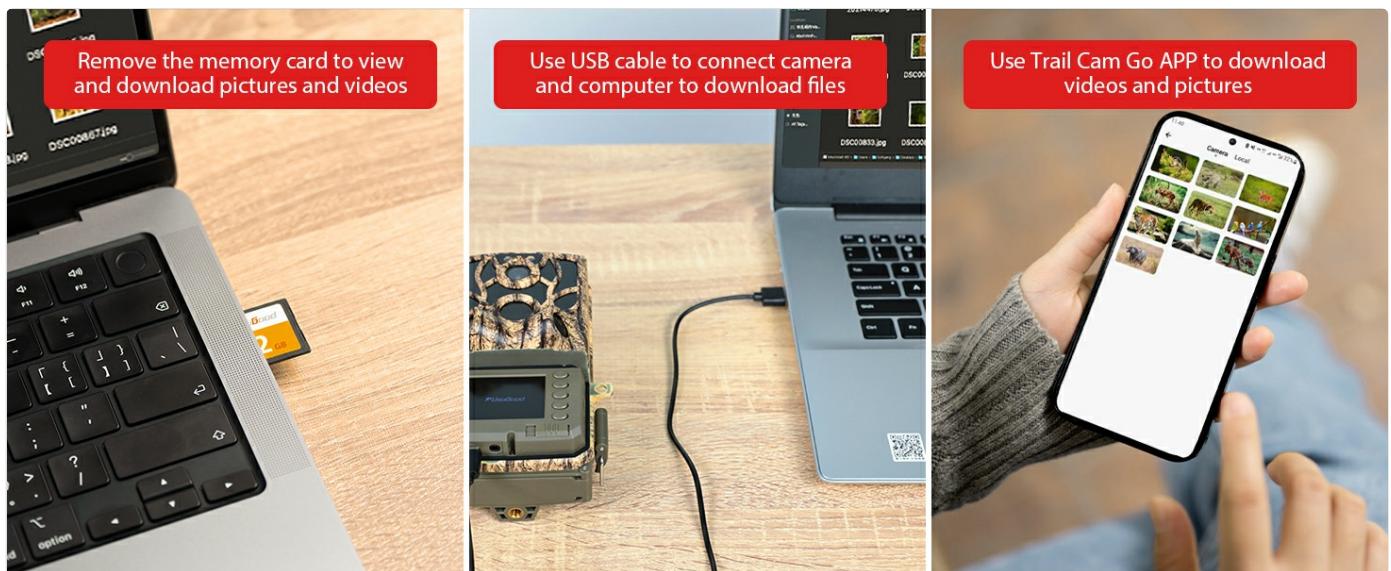


Figure 5.5: Data retrieval options.

5.6 Security Features

The camera includes features to enhance security and protection:

- **Password Protection:** Set a password to prevent unauthorized access to camera settings and captured media.
- **Keyhole Design:** Allows for the use of an external lock (not included) to secure the camera and prevent theft.
- **Smart Battery Compartment Lock:** Designed to prevent accidental battery damage from drops.

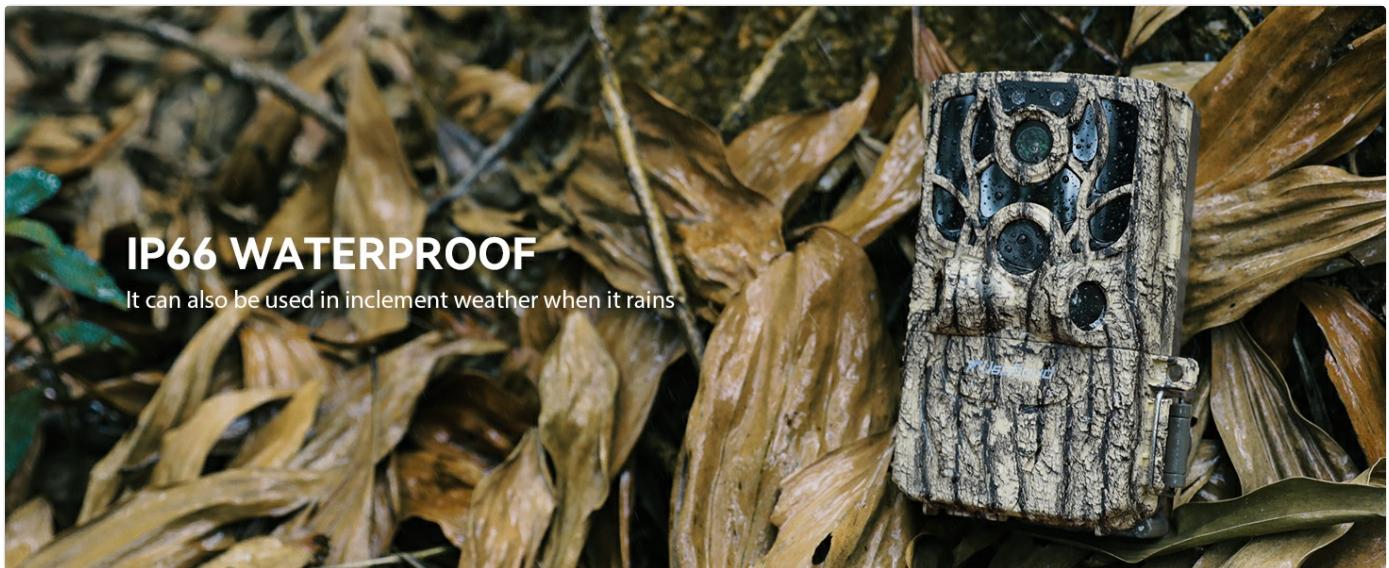
MORE FEATURES



Figure 5.6: Additional security and convenience features.

6. MAINTENANCE

- Cleaning:** Use a soft, dry cloth to clean the camera lens and housing. Avoid abrasive cleaners or solvents.
- Battery Replacement:** Replace all 8 AA batteries when the low battery indicator appears or when performance degrades. Do not mix old and new batteries or different battery types.
- Memory Card Management:** Regularly back up important data from the memory card and format it periodically to maintain optimal performance.
- Weather Protection:** While the camera is IP66 waterproof, ensure the battery compartment and ports are securely closed to prevent water ingress, especially during heavy rain or snow.



IP66 WATERPROOF

It can also be used in inclement weather when it rains

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not powering on	Low or dead batteries; Incorrect battery polarity; Damaged camera.	Replace all batteries with new ones; Ensure correct battery insertion; Contact customer support if still unresponsive.

Problem	Possible Cause	Solution
Poor image/video quality	Dirty lens; Low light conditions; Incorrect settings.	Clean the lens with a soft cloth; Ensure adequate lighting or use night vision; Adjust resolution settings in the app/menu.
No motion detection	PIR sensors blocked; Incorrect sensitivity settings; Camera placed too high/low.	Clear obstructions from PIR sensors; Adjust PIR sensitivity in settings; Reposition camera for optimal detection angle.
Wi-Fi connection issues	Out of range; Interference; App permissions.	Move closer to the camera (within 20m); Ensure no strong interference sources; Check app's Wi-Fi/Bluetooth/Location permissions.
Memory card error	Card full; Corrupted card; Incompatible card.	Download files and format the card; Try a different, compatible Micro SD card (up to 128GB).

8. SPECIFICATIONS

Feature	Specification
Model Name	TC80
Still Resolution	48 Megapixels
Video Resolution	4K
Trigger Speed	0.3 Seconds
PIR Detection Angle	120 Degrees
Night Vision Distance	20 Meters (65 feet)
IR LEDs	36pcs 850nm
Display Screen	2.0-inch Color LCD
Connectivity	Hotspot WiFi (not SIM)
Memory Card Support	Micro SD, up to 128 GB (32GB included)
Power Source	8x AA Batteries (included) or external power
Waterproof Rating	IP66
Operating Temperature	-20°C to 60°C
Dimensions (L x W x H)	8.07 x 5.19 x 4 inches
Item Weight	1.74 pounds (790 Grams)
Material	Acrylonitrile Butadiene Styrene (ABS)

9. WARRANTY AND SUPPORT

usogood is committed to providing high-quality products and excellent customer service. Your purchase of the usogood

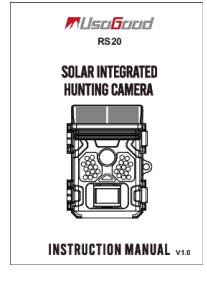
TC80 Trail Camera includes a warranty and return commitment.

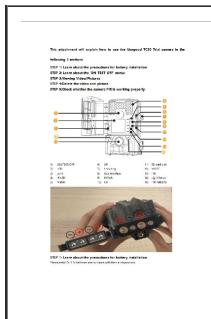
For any inquiries, technical assistance, or support needs, please contact usogood customer service. We offer great lifetime after-sales online support, typically responding within 48 hours.

For more information or to contact support, please visit the official usogood store on Amazon: [usogood Store](#)

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Related Documents - TC80

	<p>UsoGood DL502 Trail Camera User Manual</p> <p>Comprehensive user manual for the UsoGood DL502 Trail Camera, covering setup, functions, WiFi connection, app control, and troubleshooting. Learn how to install and operate your trail camera for wildlife monitoring.</p>
	<p>UsoGood RS20 Solar Integrated Hunting Camera Instruction Manual</p> <p>Detailed instruction manual for the UsoGood RS20 solar-integrated hunting camera, covering setup, operation, features, and troubleshooting for wildlife monitoring and security.</p>
	<p>DL502 Trail Camera User's Manual UsoGood</p> <p>Comprehensive user manual for the UsoGood DL502 Trail Camera, covering setup, features, operation, WiFi/APP connectivity, and troubleshooting. Learn how to use your hunting camera with remote WiFi.</p>
	<p>UsoGood TC30 Trail Camera User Manual</p> <p>Comprehensive user manual for the UsoGood TC30 Trail Camera, detailing setup, features, technical specifications, and support information.</p>
	<p>UsoGood TC20 Trail Camera User Manual</p> <p>UsoGood TC20 Trail Camera User Manual: Your guide to wildlife monitoring and outdoor surveillance. Learn setup, operation, settings, and file management for optimal performance. Includes warranty activation and support resources.</p>



[Usogood TC30 Trail Camera User Guide](#)

A guide on how to use the Usogood TC30 Trail Camera, covering battery installation, device status, viewing media, deleting files, and checking PIR functionality.

Documents - usogood – TC80



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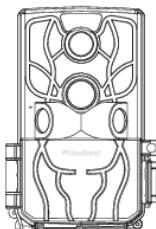


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Trail Camera with WiFi & Bluetooth

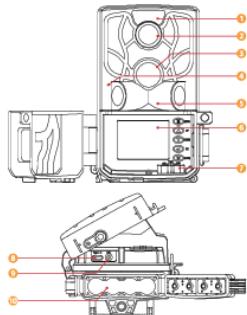
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1. Camera icon



1 Infrarot-LED	2 Objektiv
3 Master-PIR	4 Aufnahmeholz
5 Seiten-PIR	6 Anzeige
7 EIN/TEST/ÅUS	8 Typ-C
9 Externer Stromanschluss	10 Batteriefach

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