

Smart Cellular Trail Camera

Product Manual



Model: TANK200

Hello & welcome

Welcome to try and choose the smart cellular trail camera - Tank200. Best camera and service solutions provide you the most cost-efficient choice. Not only does it possess the features of a smart cellular trail camera, but it also benefits from advanced AI technology, allowing users to enjoy high-quality imaging at an affordable cost.

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1.Quick Start

Inside the Package



Camera × 1



Antenna × 1



Mounting strap × 1



Product manual × 1



SIM card × 1

Product Overview

Antenna connector

IR LEDs

Mic

PIR sensor

DC charging port

Latch

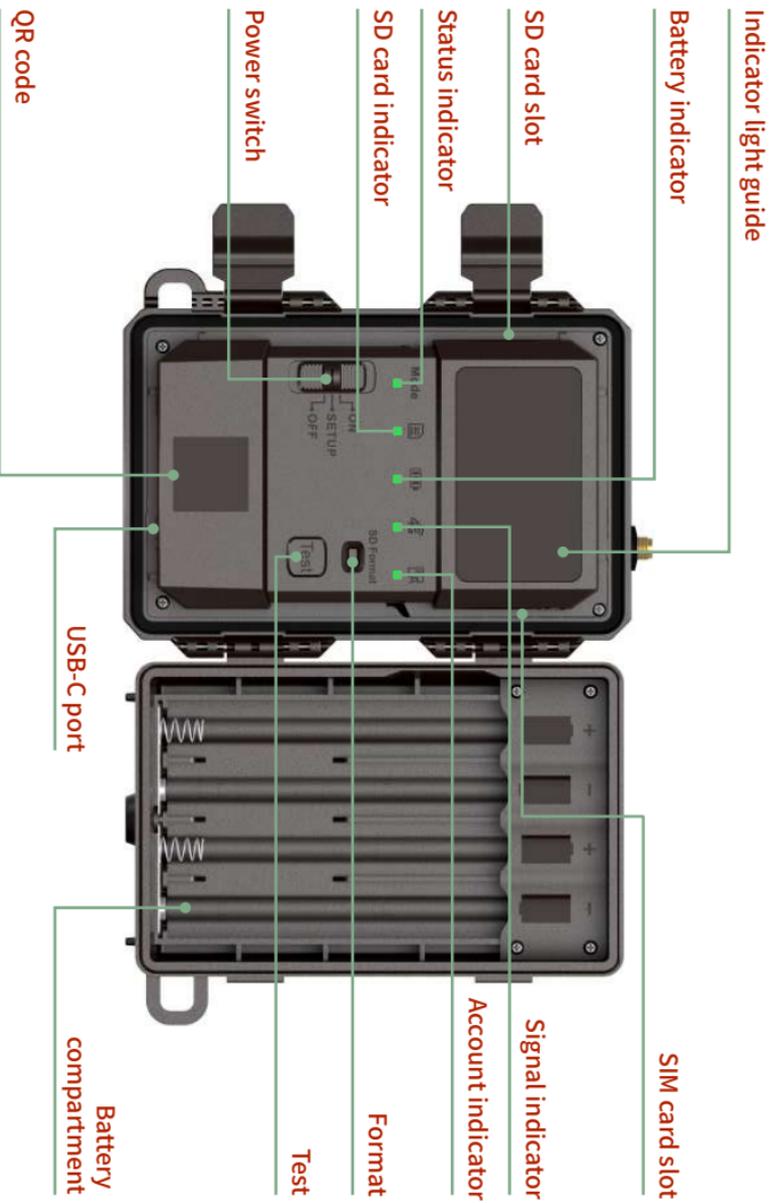
Lens

Latch

Light sensor

Screw holes(1/4")





6 Steps to get the camera ready

Step1: Insert the Batteries

Open the latch next to the camera, put in 8 AA batteries, please pay attention to the correct direction of the positive (+) negative (-), close the latch after inserting them in. Avoid mixing batteries of different specifications to ensure optimal performance.



Step2: Insert the SD card

Insert the SD card and the captured image data will be saved in the SD card.

Step3: Insert the SIM card

Insert the SIM card. The SIM card is a necessary accessory for remote transmission of image data to the App. Please note that traffic charges will be incurred during the transmission process.



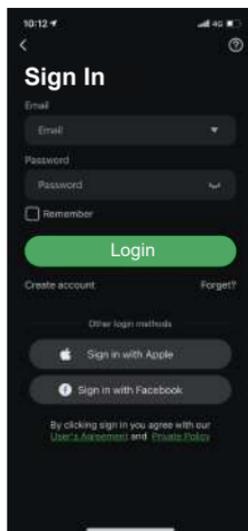
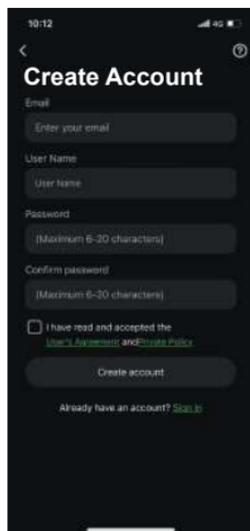
Step4: Install the Antenna

Install an antenna. The antenna is an accessory that enhances network signals. Without an antenna, the camera may not be able to send image data to the App.



Step5: Using the App to Pair and Activate the Camera

Download the App, register an account by email or just log in with 3rd-party App(The verification code will send to the email, please check the spam if you do not receive it). And scan the camera's QR code through the App to pair it. After pairing, the camera will be activated and added to your account, and now you can test to use it.



Step6: Test the Functionality of the Camera

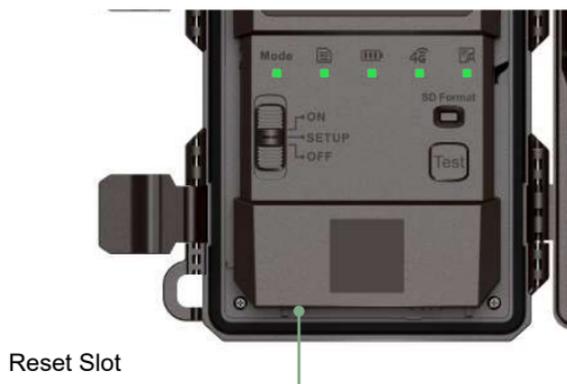
Switch the mode to SETUP, then click the Test button to take an image, and check whether the image transmits to the App, if it goes well you can switch the mode to ON to capture images.

**Use and enjoy it**

Switch to ON mode and close the latch, place the camera where you need to capture.



Key & Button Specifications



Key	Mode	Specs
Switcher	OFF	Turn off the camera
	SETUP	Set up, check and test the camera
	ON	Turn on the camera
Test	SETUP	<ul style="list-style-type: none"> Click to take a photo manually, and the camera will save the images to the SD card. If the camera has been connected to the APP and the Internet, the images will also be sent to the App album Long press(5s) to switch the camera mode(Photo -> Video -> Photo + Video)
SD Format	SETUP	<ul style="list-style-type: none"> Click to upgrade network module(requires an upgrade file in the SD card) Long press(5s) to format the SD card
Reset	SETUP	<ul style="list-style-type: none"> Click to upgrade MCU module(requires an upgrade file in the SD card) Long press(5s) to reset the camera

Indicator Light Specifications



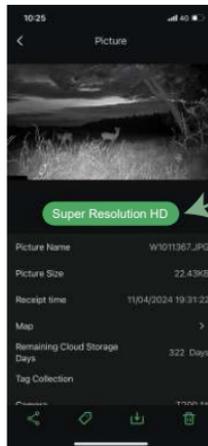
Light	Mode	SD card	Battery	Signal	Account
Solid Green	Photo mode	SD card is normal	Sufficient battery power	Strong signal	Account has bound and connected
Flash Green(1s)	Sending photo...	SD card is normal with Debug Mode on	/	Network connecting...	Account connecting...
Flash Green(0.5s)	Camera upgrading...	SD card is normal with Debug Mode and Qlog on	/	/	/
Solid Blue	Video mode	/	/	/	/
Flash Blue(1s)	Sending video...	/	/	/	/
Flash Blue(0.5s)	Camera upgrading failed	/	/	/	/
Solid Cyan	P+V mode	/	/	/	/
Flash Cyan(1s)	Sending P+V...	/	/	/	/
Flash Cyan(0.5s)	Sending fail	/	/	/	/
Solid Yellow	/	SD card is full	Medium battery power	Medium signal	Account has bound but not connected
Flash Yellow(1s)	/	SD card is formatting...	/	/	/
Flash Yellow(0.5s)	/	/	/	/	/
Solid Red	/	No SD card or SD card error	Low battery power	Weak signal	Account is not bound
Flash Red(1s)	/	SD card read error	/	No SIM card or unsupported SIM card	/
Flash Red(0.5s)	/	/	About to shut down	SIM card error	/
All Flash	The camera is resetting				

Please note that all indicator lights show their status on SETUP mode, all they light off when the mode switches to ON

2. Discover Tank200 Features

AI-powered super resolution image scaler

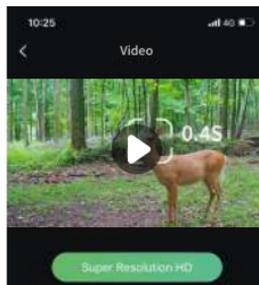
Scale up your image quality to stunning quality (operating on the App). Provide a sharp and detailed observation of wildlife, nature, and the monitored assets.



Scale up the thumbnail image to higher resolution

Play video instantly on the App

Tank200 camera will send thumbnail videos to the App and can be played instantly on the App without requesting any original video files.



20m(60ft) detection range and 0.4s trigger speed

An ultra-long trigger distance coupled with a 0.4-second trigger speed captures every movement in the detection zone.



Remote updating the camera by App

Maximize your monitoring efficiency by remotely refining camera settings and applying firmware upgrades, making it easy to manage surveillance in the most inaccessible areas.



3.Product Scenarios

Hunting trail tracking

Placed in the hunting ground, it observes the tracks of prey, assisting you in formulating detailed hunting plans. Its sensitive sensors capture every moment when prey passes by, transmitting images to your App promptly and notifying you.



Animal activity observation

If you're a wildlife observer, you can also use it to observe the area in front of the camera for animal activity and what they're up to, sometimes bringing you unexpected experiences.



Farm and yard security

This camera can also be used for security purposes. You can place it in your farm, front yard, or backyard. If there are any suspicious individuals lurking around, the camera can capture images of these suspicious characters and promptly notify you.

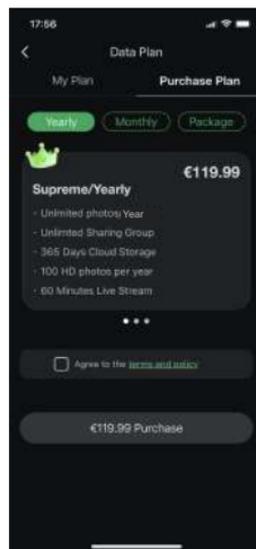
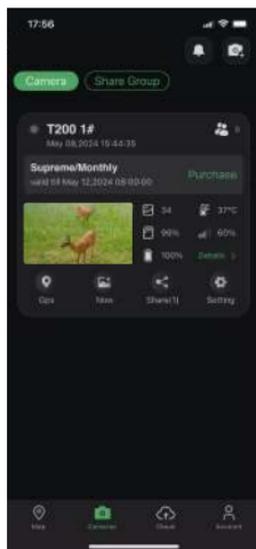


4. Specification Form

Dimension	Camera: 81.7mm * 72.4mm * 118.5mm Antenna: 221.2mm*26.5mm*6.0mm
Net weight	292.6g(antenna included)
Lens	Field of view: 60°
Detection	Mechanism: Passive Infra Red triggering (PIR) Max Range: 20m(60ft) Trigger Speed: 0.4s
Network	4G network with SIM card
App control	Support(iOS/Android)
Photo	Original resolution: 3072x1728(5M) Thumbnail Transmit: Support Multi-shot: 1P/2P/3P File format: *.jpeg
Video	Original resolution: 1920x1080(1080P) Thumbnail Transmit: Support Video length: 10s File format: *.mp4
Night vision	Support (black-and-white image) LED: no-glow (54 pcs 940nm LEDs)
Storage	Local storage: SD card(8~128 GB) Cloud storage: 30-day free storage with extended subscriptions (operating on the App)
Image transmission	Thumbnail images: By 4G network Original images: By USB-C port

Update	Remote update(OTA): Support Local update(SD card): Support
AI feature	Lossless AI Image scaler(for thumbnail only)
Electrical specs	Battery: 8 AA batteries per set Charging port: DC port (12V-2A adapter) DC port size: 4.4mm*1.6mm
Environment	Waterproof: IP66 Operating Temperature: -20°C ~ 55°C Storing temperature: -25°C ~ 60°C Operation Humidity: 5% ~ 90% Storage Humidity: 40% ~ 60%
Certification	FCC, CE, RoHS, IP66

5.Using with App



Device and account management

- Pair camera
- Remote camera setting control
- Quick camera status overview
- Registration/login and management

Album management

- Save images
- View images/videos
- Batch manage images
- Scale up thumbnail images in lossless
- Filter images
- Share album with friends

Data plan management

- Monthly/yearly data plan subscribe and manage

6. Troubleshooting & FAQs

How to get started with the camera?

- (1) Install the batteries and antenna.
- (2) Ensure the SIM card is correctly inserted and available.
- (3) Ensure the SD card is correctly inserted and formatted properly.
- (4) Use the App to scan the QR code on the camera, pair and activate the camera.
- (5) Power on and start using.

What do the three positions of mode switcher on the camera mean?

The three positions of the camera mode switcher are OFF, Setup, and ON.

OFF: Turns off the camera.

Setup: In this mode, you can reset, format, or test shooting for this camera.

ON: Turns on the camera.

How many batteries does the camera need for work? What is the battery life of the camera?

- (1) Requires 8 AA batteries, with a maximum standby time of 6 months (6 months being the longest standby time; actual usage time depends on the number of photos taken, with more frequent shooting resulting in shorter battery life).
 - (2) Supports external power supply using a DC interface, with specifications of 12V-2A.
- Support to use the external power source e.g solar panel

How to pair the camera with App?

- (1) Download the TrailCam App, register an account, and pair the camera by scanning the QR code on the camera using the app. Once successfully paired, this camera will be added to your account.
- (2) If an error message appears during scanning, or if the QR code has already been connected to another account, please contact the technical support team for help.

What should I do if the camera is not working or not taking photos?

Suggest to troubleshooting the issue with the following steps:

- (1) Check if the battery in the camera is charged.
- (2) Check whether there are photos stored in the camera's SD card to determine if the camera isn't taking photos or if photos aren't being transferred to the app.
- (3) If photos aren't being transferred to the app, check if the camera's SIM card is supported, if the signal is strong enough or if there's an active data plan.
- (4) Check the PIR sensitivity in the App settings, setting the PIR sensitivity to 0 cannot to trigger any images.

What should I do if the camera is taking photos too frequently?

- (1) Adjust PIR sensitivity by selecting 'PIR Sensitivity' in the App settings. Choosing a lower sensitivity level can effectively reduce the frequency of photos taken.
- (2) Please avoid placing the camera on objects that are prone to movement, such as tying it to tree branches or suspending it with a soft rope. Even slight movements can trigger the camera to take images.
- (3) Avoid facing mirrors, strong light sources and other objects that may cause false triggers.

What specifications does the storage card need? What should I do if it's full?

Supports standard SD cards, recommended capacity is 8-128GB.

For cards larger than 32GB, formatting is required. To format: switch the mode to the Setup position, then long press the SD Format button to initiate formatting. Before formatting, please ensure to backup existing data to avoid loss.

If the SD card storage is full, the camera will automatically overwrite the oldest data with new recordings after each capture.

Does the camera come with a built-in SIM card? Can other SIM cards be used?

Two options provided:

- (1) The camera comes with a factory-installed SIM card, and users need to subscribe to a data plan to transmit and store image data.
- (2) Users can use a local SIM card, in which case they are responsible for any data usage charges incurred during transmission. If the local SIM cards are not supported, please contact the brand for technical support team for help.

How to upgrade your camera firmware

- (1) Remote update: Open the App-Settings-Device Information-Check for updates. If there is update information, you can click Update directly on the App to update the camera to the latest version (the camera needs to work and have a valid data plan)
- (2) Local update: Copy the camera upgrade file to the root directory of the SD card (the upgrade file can be downloaded from the official website). First, turn the camera's switcher to OFF, hold down the Test button, meanwhile turn the Switcher to SETUP. The camera will upgrade its firmware version.

Is it necessary to purchase or subscribe to a data plan for use? If I use my own SIM card, do I still need to subscribe to a data plan for use?

- (1) For initial use, we offer a free trial service. After the free trial expires, users need to subscribe to a data plan for continued use.
- (2) If use the built-in SIM card, it needs to subscribe to a plan covering both data usage and storage fees.
- (3) If use a local SIM card, it only needs to subscribe to a plan covering storage fees(data usage fees need to paid by the user)

Can the camera be used at night?

Sure. The camera is equipped with a photosensitive sensor. When night falls, the camera will automatically switch to night vision mode, capturing clear black-and-white images.

Can the camera be used in rainy weather?

Sure. The camera is rated IP66 waterproof, suitable for use on rainy days. However, please note not to submerge the camera in water.

7.Warranty

Based on a strict QC system, we initially offer all our customers one year long time limited warranty, come along with selectable chargeable renewal policy of warranty as one, two, three, or four years.

Our products are warranted against defects in materials and workmanship for a period of one year from the date of original purchase. If a defect exists, we will, at our option and to extent permitted by law will (1) repair the product at no charge using new or refurbished parts. (2) exchange the product with a functionally equivalent product that is new or refurbished.

Provided the product is returned freight charge paid. This warranty excludes damage resulting from abuse, accident, modifications or other causes that are not defects in materials and workmanship, or by someone other than our authorized technicians. This warranty only covers failures due to defects in materials or workmanship under normal usage.

To obtain warranty service, please contact us to determine the nature of the problem before returning the product under this warranty (with a written description of the problem and print samples) for repairing or exchanging.

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