RECOTAC

SENSE

USER MANUAL

V1.0

Content

Hello & Welcome

Welcome to try the smart cellular RecoTac Sense Camera – your ultimate smart cellular solution! Combining top-tier performance with remarkable value, the Sense Camera is the most cost-effective choice on the market. Featuring a powerful CMOS sensor, it captures stunning 2.2K videos and 32MP photos, delivering rich detail and vibrant color in both day and night conditions. With advanced in-app AI algorithms, you can improve your files' resolutions to get sharper and clearer visuals. Additionally, 4G network connectivity lets you control the camera remotely and access your captured files and anytime, anywhere.

Important Messages

1. This camera is a precision instrument. Safeguard it from drops or impacts to prevent damage.

2. Store the camera away from devices or objects with strong magnetic fields or power, like motors and magnets.

3. Ensure the camera operates within its recommended temperature range. Avoid leaving it at high or low temperatures for extended periods, as this can reduce its lifespan.

4. This camera is resistant to splash and water right out of the box. However, ensure it is tightly sealed to prevent any leakage.

5. Avoid mixing new and old batteries, as this may cause over-discharging, potentially leading to venting, leakage, or rupture, which can result in personal injury.

Packing List

Sense Camera
× 1

Antenna
x 1

Mounting Strap
x 1

SIM Card
x 1

Tip: The SIM card is already inserted into the camera.

User Manual
× 1

Quick Start Guide
× 1

Product Overview

Antenna Connector

IR LEDS

Microphone

PIR Sensor

Latch

Lens

Light Sensor

1/4" Nut Hole

RECOTAC

Antenna

Indicator Light Guide

SD Card Slot

Status Indicator

SD Card Indicator

Battery Indicator

Power Switch

QR Code

SIM Card Slot

Signal Indicator

Account Indicator

Format Button

Test Button

Battery Compartment

Reset Hole

USB-C Port
(For data transfer purposes only.)

DC Power Supply

Getting Started

Setting up your Sense camera is quick and easy. Follow these six steps to get started:

Step 1: Insert the Batteries

Unlatch and open the camera, then insert eight AA batteries into the battery compartment, making sure to align the positive and negative poles correctly. Avoid mixing different types of batteries to ensure optimal performance.
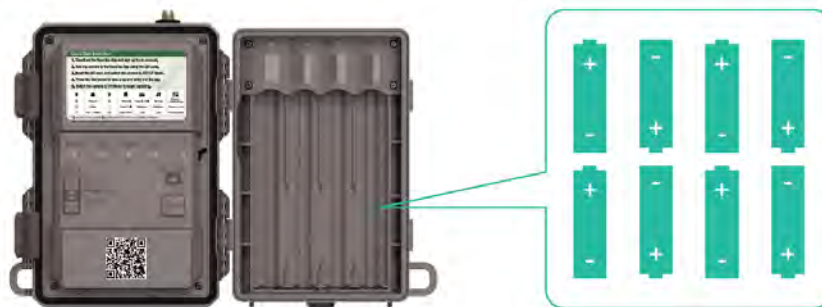
Battery Use

For optimal performance, we recommend using alkaline batteries for your Sense camera:

• Duracell® Max alkaline batteries

• Rayovac® UltraPro alkaline batteries

Runtime:

Supports uploading 200 files per day and over 6,000 files in 30 days in Real-Time mode.

Tip: Actual runtime may vary depending on the network and environmental conditions.

Important Notes:

* Do not mix old and new batteries.

* Do not mix different types of batteries.

* Ensure batteries are installed with the correct polarity (+ and -).

* Clean both the battery contacts and the device's contacts before inserting new batteries.

* Remove batteries if they are depleted or if the device will be unused for an extended period.

* Using batteries of different brands, types, or a mix of new and old batteries may cause over-discharging, potentially leading to venting, leakage, or rupture, which can result in personal injury.

Step 2: Insert the SD Card

Locate the SD card slot and insert the SD card (not included) as shown in the illustration. All captured photos and videos will be stored on this SD card.

Tip: If the indicator under the SD card section doesn't turn green when the camera is switched to SETUP Mode, it means there's a card error. To fix this, press and hold the SD Format button for five seconds to format the card. Once the formatting is complete, the indicator will turn green.

Step 3: Insert the SIM Card

The included SIM card is already inserted into the camera. If you need to install it yourself, insert it in the direction indicated by the figure. The SIM card enables file transmission via the app.

Tip: The SIM card automatically connects to the strongest available network. Please note that the camera is only compatible with the provided SIM card. If the SIM card is lost or stops working, contact customer support to request a replacement.


SD Card
(not included)

SIM Card

Step 4: Install the Antenna

The antenna enhances network signal strength. Without it, the camera may be unable to transmit image data to the app. Simply attach the antenna to the designated port on the camera and screw it in.
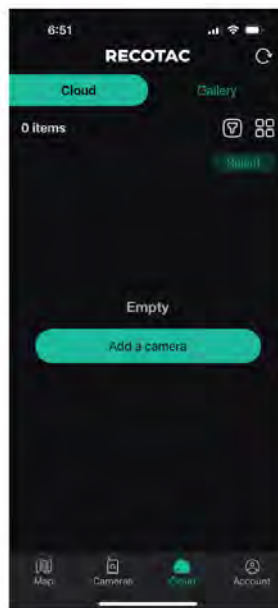
Step 5: Sync with the RecoTac App

① Download the RecoTac app from the App Store (iOS) or Google Play (Android) by searching for "RecoTac".

② Once installed, enter the required information to create an account and log in.
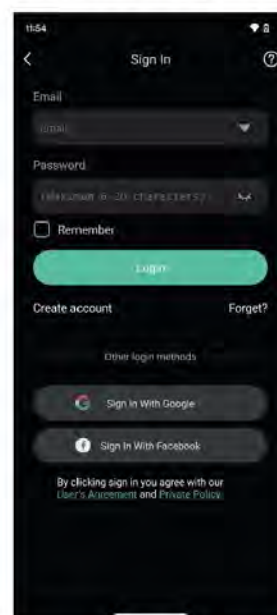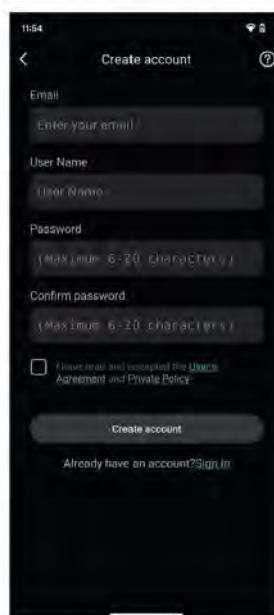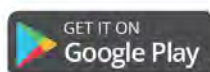
③ Follow the prompts within the app and use it to scan the QR code shown on the camera to establish a connection.

④ Name your camera. After doing so, your camera is now activated and ready to use.
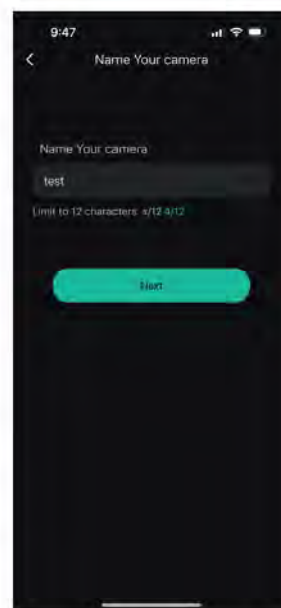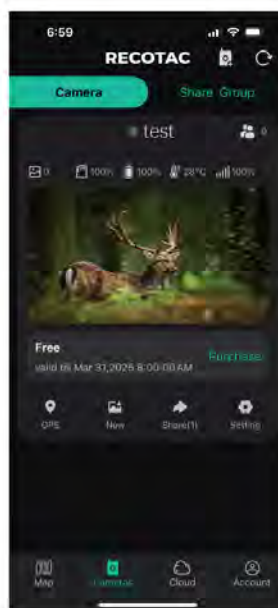
Step 6: Test the Camera

① Switch to Setup Mode by toggling the power switch.

② Press the Test button to take a photo when the last indicator turns green.

③ Check the indicator under the Mode section. The indicator will flash green while the photo is being sent to the app, and will stay solid once the upload is complete. Tip: If the indicator flashes cyan rapidly, the photo might not have been sent due to a weak signal or a card error. Check the network signal or format the card.

④ Open the app to confirm the photo was captured and stored in the cloud. If it appears in the app, your camera is working correctly.

⑤ Switch to ON Mode and close the latches securely.

Test capturing and transferring

⑥ Mount the camera using the included strap and start observing your targets.

25 feet (7.5 meters)

Tips:

① Place the camera 7.5 meters (25 feet) away from the target for optimal image clarity.

② Mount the camera at a height of 3–4 feet (waist level) for most wildlife, or adjust based on the size of the animals you're targeting.

③ Avoid pointing the camera directly east or west to prevent false triggers. Position it facing north or south instead.

④ Position the camera at a slight downward angle to capture the ground and avoid false triggers.

⑤ Point the camera at a 45° angle to a trail, giving animals more time to trigger the sensor for capturing.

⑥ Clear any branches, tall grass, or other obstructions in front of the camera to prevent false captures or blocked views.

Button Operation Overview

Buttons	Modes	Manual Settings
Power Switch	ON	Turn on the camera.
	SETUP	Set up, check, and test the camera.
	OFF	Turn off the camera.
Test Button	SETUP	Press to take a photo. Press and hold for five seconds to switch among Video, Photo, and Video + Photo modes.
Format Button		Press to update the network module (ensure there is a file stored in the SD card). Press and hold for five seconds to format the SD card.
Reset Hole		Use a sharp item to poke once to update the MCU module (ensure there is a file stored in the SD card). Poke for five seconds to reset the camera.

Indicator Overview

To know how the camera's indicators work, see the table below:

Indicators	Status	SD Card	Battery	Signal	Account
Remains green	In Photo Mode	SD ready for use	Battery fully charged	Strong signal	Account has been bound and connected
Flashes green for 1s	Sending photos...	SD ready for use with Debug Mode on	/	Networking connecting...	Account connecting...
Flashes green for 0.5s	Camera upgrading...	SD ready for use with Debug Mode and Qlog on	/	/	/
Remains blue	In Video Mode	/	/	/	/
Flashes blue for 1s	Sending videos...	/	/	/	/

🔵	Flashes blue for 0.5s	Camera upgrading failed	/	/	/	/
🔵	Remains cyan	In P+V Mode	/	/	/	/
🔵	Flashes cyan for 1s	Sending videos and photos...	/	/	/	/
🔵	Flashes cyan for 0.5s	Sending failed	/	/	/	/
🟡	Remains yellow	/	SD is full	Medium battery level	Medium signal	Account has been bound but not connected
🟡	Flashes yellow for 1s	/	Formatting...	/	/	/
🟡	Flashes yellow for 0.5s	/	/	/	/	/
🔴	Remains red	/	No SD card or card error	Low battery level	Weak signal	Account is not bound
🔴	Flashes red for 1s	/	SD card read error	/	No SIM card or incompatible card	/
🔴	Flashes red for 0.5s	/	/	About to shut down	SIM card error	/
⚫	Keep flashing all the time	The camera is being reset.				

Please note that all the indicator lights work only in SETUP Mode, and they remain off when the camera switches to ON Mode.

Indicator

Tip: The indicator on the right side of the lens will flash slowly five times and then turn off when the camera is switched to ON Mode, indicating that the camera is ready for use.

Discovering the App's Features

AI-Powered Next-Level Images

The app enhances your photos or videos to higher resolutions, delivering sharper and clearer visuals by harnessing advanced AI algorithms.

All captured files are stored in the Cloud with an SR (Super Resolution) label. You can obtain videos or photos with enhanced image quality for free through the app. To do this, simply open a video or photo in full-screen mode and tap "Super Resolution HD" to process it with AI technology. Afterward, check the enhanced video or photo in the Gallery's SR-HD Videos or SR-HD Photos section. You can also find them in your phone's album.
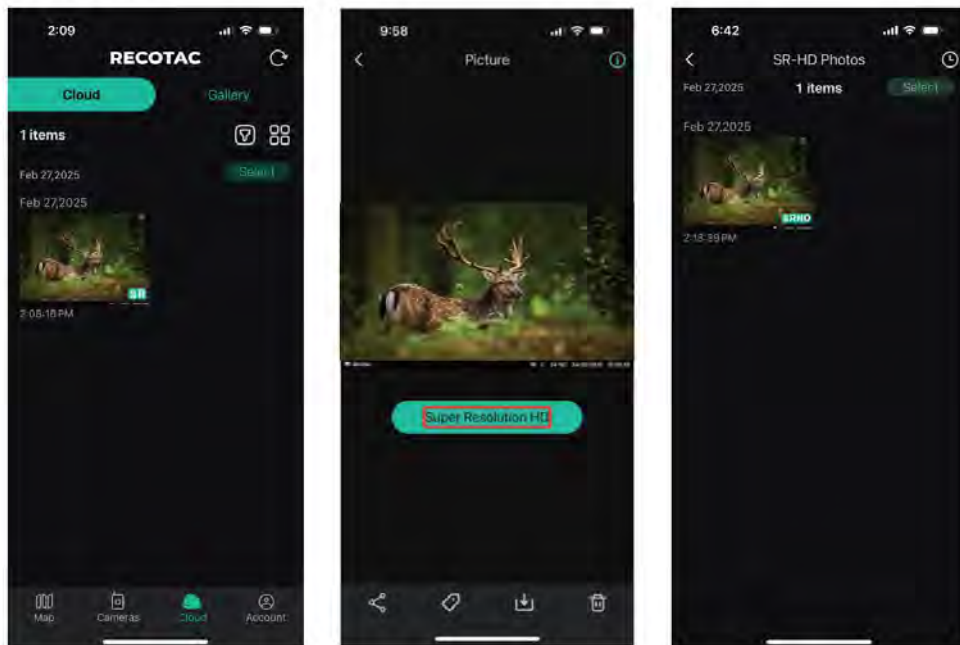
Tips:
① Processing a video might take longer. You can check the enhanced video after one minute.
② To access files captured by the camera, remove the SD card and insert it into your computer for file transfer.

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Real-Time Transfer

With your camera connected to the RecTac App, you can remotely adjust its settings and instantly access captured videos or photos, eliminating the need to remove the SD card or visit the camera's location to retrieve footage.

Tip: If you want to remotely control the camera for real-time capture, tap the Settings icon to open the settings page and set Remote Control to Real-Time. Once the camera detects motion, it will automatically sync with the app's settings to activate Real-Time Mode. Upon receipt of the app's notification of synchronization, you can tap "Now" to initiate real-time capture.
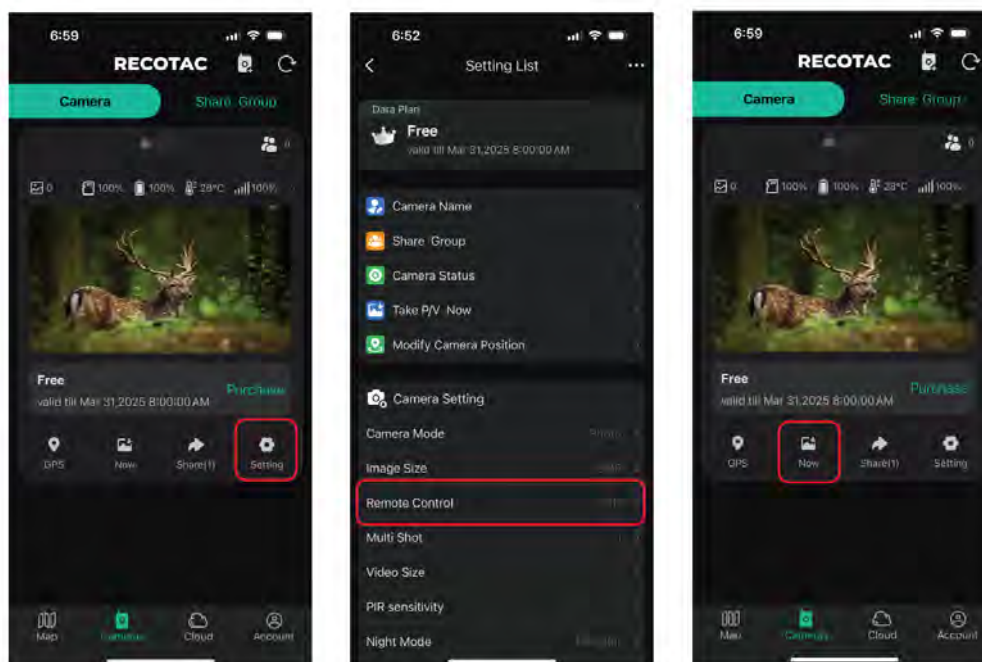
GPS Positioning

With the GPS feature activated, you can locate your trail camera at any time.

Simply tap the GPS icon to open a Google map, then tap "Okay" to find your camera on the map.

Next, tap on it to easily pinpoint its exact latitude and longitude. To change your

camera's location, tap any area on the map, then tap the icon in the upper right corner to save your changes.
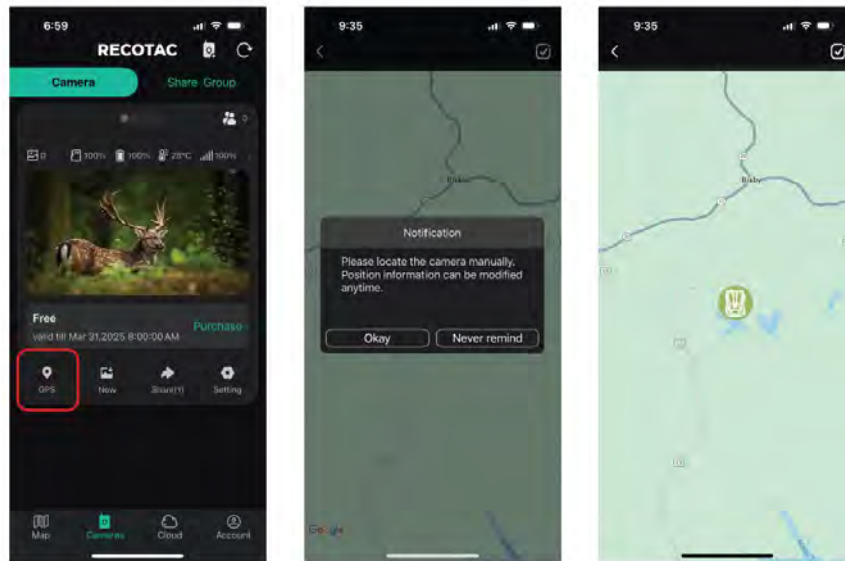
To view the positioned camera, simply tap Map. You can also access the camera's playback page by tapping the Camera icon in the app.
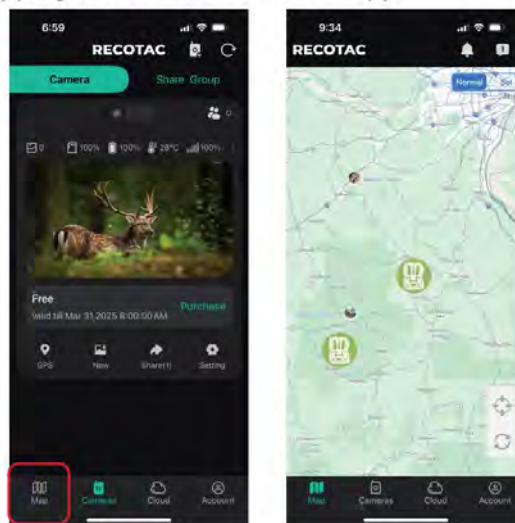
Tip: To use this feature, ensure the app has permission to access your phone's location by navigating to Settings→Apps→RecoTac→Location. You can add multiple cameras and stamp their locations.

File Filtering

The file filtering feature in the app is designed to help you efficiently sort, organize, and access specific files based on various criteria, streamlining the process of reviewing and analyzing captured data.

You can filter files by date, camera, file type, and more, enabling you to quickly locate the desired file.

Tip: The figure in the upper-right corner shows the number of filtering types you've selected. After making your selections, tap "Confirm" to start filtering. If you don't want to use this feature, tap "Clear All".

Group Sharing

You can effortlessly share access to your trail camera with your family, friends, or team members. Those with access can receive real-time updates, such as notifications when the camera captures new photos or videos. This keeps everyone informed about activity in the monitored area.
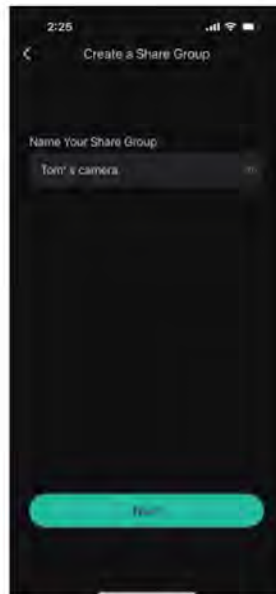
Tip: If you invite others to join your Share Group via a QR code, approve their request by navigating to Notifications→ Share Group→My Applications →Accept.
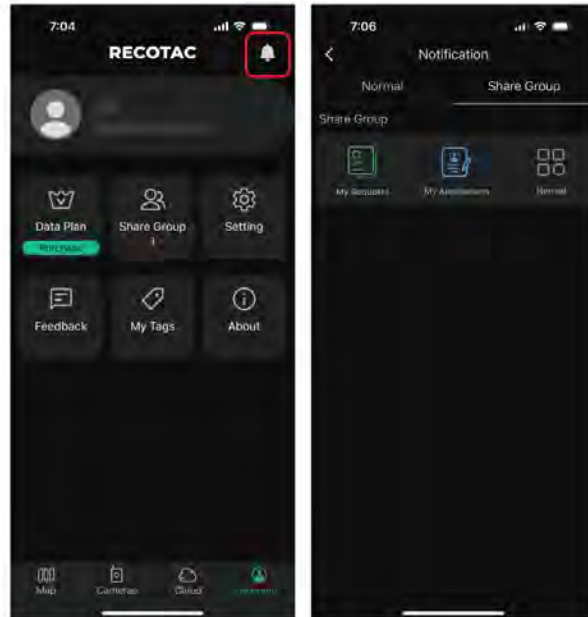
Transmission Plan

RecoTac makes choosing a transmission plan as easy as possible with straightforward file count thresholds and the option to go month-to-month to maximize flexibility, or annually to get the most savings. RecoTac even provides new users with a free plan, allowing them to send 100 files each month at no cost.
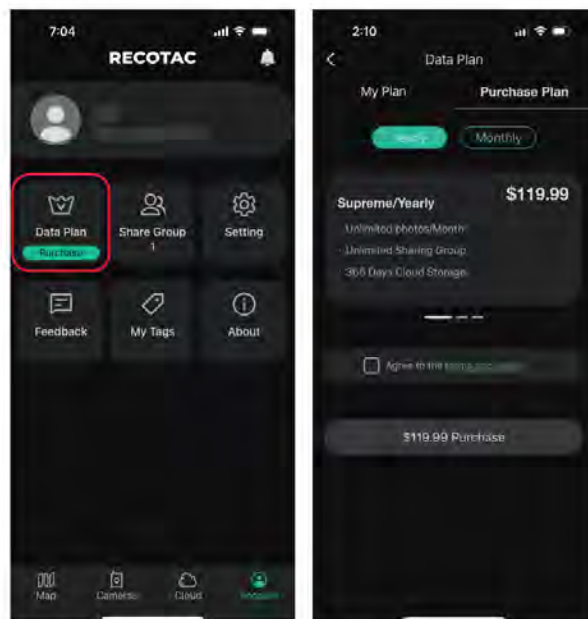
Customizing the Camera in the App

You can change the camera's settings in the app. Simply tap "Cameras" at the bottom and tap the Settings icon to access the settings page.
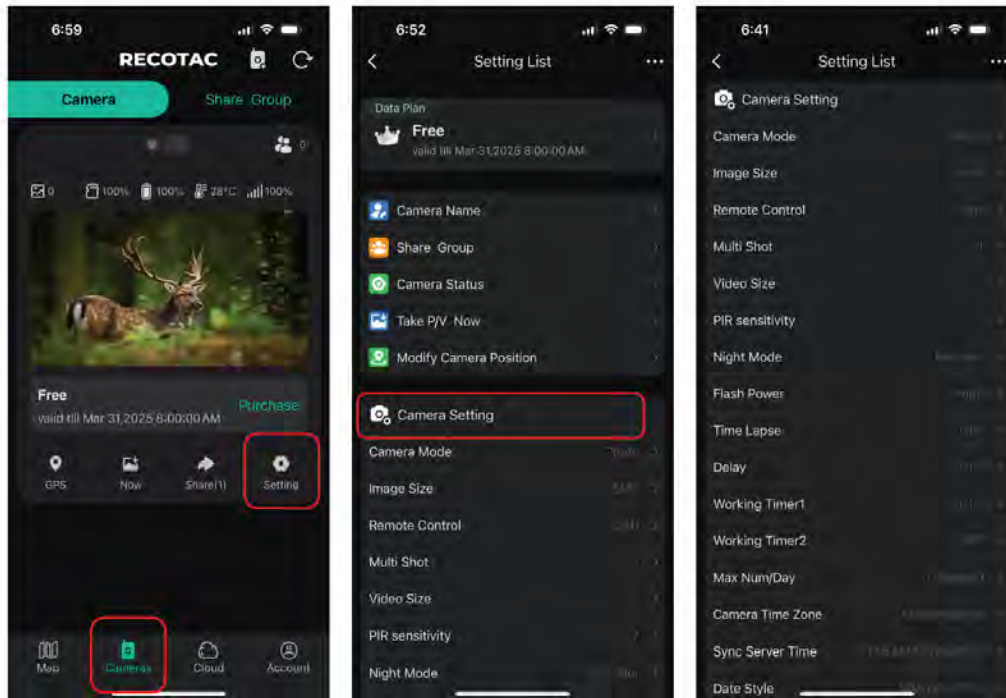
Introduce some of the important settings:

1. PIR Sensitivity

0/1/2/3/4/5/6/7 (default)/8/9

Adjust the sensitivity of the PIR (Passive Infrared) sensor. The PIR sensor detects changes in infrared radiation caused by moving objects and triggers the camera to capture the event. Higher values increase the sensor's sensitivity, making it more likely to trigger captures, but they may also result in more false triggers. Selecting "0" disables this feature.

2. Time Lapse

Set the interval at which the camera captures videos or photos and transmits them to the app.

Tip: The camera will capture at the preset intervals even when no motion is detected. To conserve power and avoid frequent captures, we recommend setting a longer interval.

<	Save
Time Lapse	00:00:05

New settings will be available upon next photo.
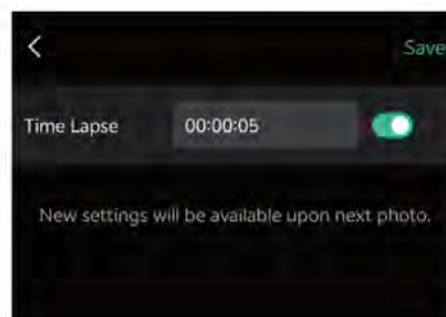
3. Delay

Enable this setting to work with PIR Sensitivity. You can set a specific time interval that the camera will wait before taking another picture or video after the first one is triggered. For example, if the delay is set to 1 minute, the camera will not take another image until 1 minute has passed since the last capture.

<	Save
Delay	00:00:05

New settings will be available upon next photo.
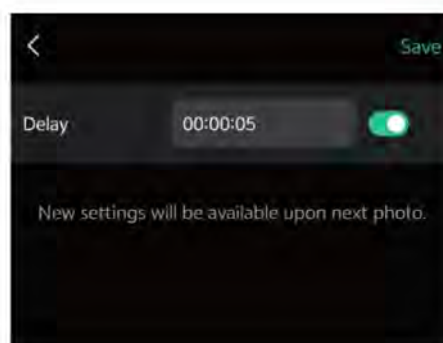
4. Working Timer

Define the time range during which the camera will start and stop capturing.

<	Save
Working Timer	00:00 To 00:00

New settings will be available upon next photo.
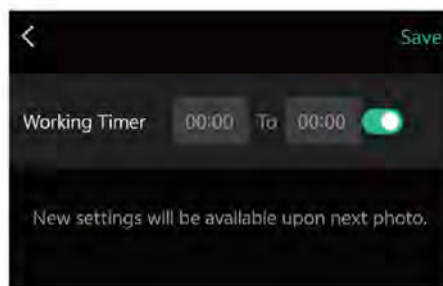
5. Maximum Photos

Set the maximum number of videos or photos the camera can take per day. This feature helps prevent exhausting your free file transfer services.
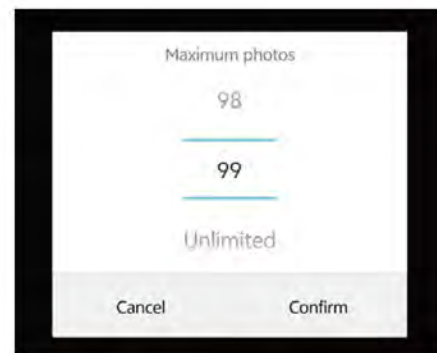
6. Battery Type

Set this setting to Alkaline before using the camera. Otherwise, the system may fail to display the correct battery level, reducing the camera's runtime.

Discovering the Camera's Features

30m (99ft) Detection Range

With an impressive 30m (99ft) detection distance and 0.2s of trigger speed, the Sense camera captures every movement of your target in stunning detail.
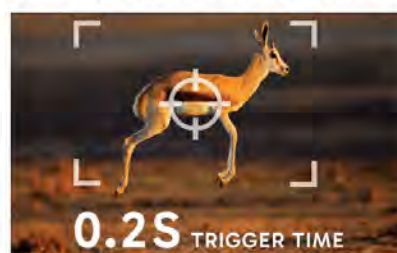
Wide Range of Applications

The Sense camera is designed for you to use across a wide range of scenarios with outstanding visuals.

Hunting

You can place the Sense camera in your hunting grounds to monitor wildlife movement. Its highly sensitive sensors detect every moment prey crosses its path, capturing video footage that is instantly uploaded to the app and sending you real-time notifications.

Wildlife Observation

For wildlife enthusiasts, the Sense camera is perfect for observing animals in their natural habitat. Set it up in areas frequented by wildlife to gain fascinating insights and enjoy unexpected encounters.
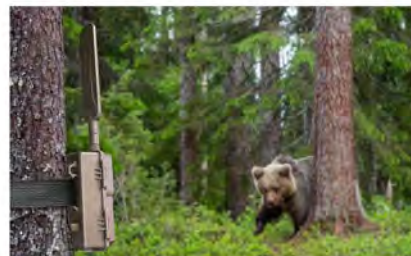
Farm & Yard Surveillance

The Sense camera also offers reliable security for your farm or home. Position it in your farmyard, front yard, or backyard to protect livestock and property from potential threats. If suspicious activity is detected, the camera records the entire event and immediately notifies you via the app.

Specifications

Sensor	CMOS Sensor
Aperture	F/2.0
FOV	60°
Connection	4G Network
Dimensions	Camera: 81.7 x 72.4 x 118.5mm Antenna: 221.2 x 26.5 x 6.0mm
Net Weight	292.6 g (with antenna included)
Observation Modes	Color (Day), Black-and-White (Night)
Detection	Mechanism: Passive Infrared Triggering (PIR) Max Range: 30m (99ft) Trigger Speed: 0.2s
App Control	RecoTac App (iOS/Android)
Photo	Resolution: 32MP File Size (Transmission): 768 x 432 Burst: 1P/2P/3P File Format: JPG
Video	Resolution: 2.2K File Size (Transmission): 640 x 360 Video Length: 10 s (storage & transmission) File Format: MP4
Video Encoding	H.265
Audio Recording/ Microphone	Supported
Storage	Local Storage: 8~512GB SD card
Transmission Mode	App MSDC
Update Method	App Update (OTA) Local Update (SD card)
Power Supply	Battery: 8 AA batteries per set USB Port: Type-C DC Port: 12V-2A adapter
Operating Environment	Waterproofing Grade: IP66 Operating Temperature: -20°C ~ 55°C Storage Temperature: -25°C ~ 60°C Operating Humidity: 5% ~ 90% Storage Humidity: 40% ~ 60%

Troubleshooting

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 RecoTac App to scan the QR code on the camera, pair and activate the camera.

5. Switch the camera to On Mode and close the latches.

What does the Power Switch on the camera do?

The Power Switch allows you to toggle between On, Setup, and Off modes. For details, please consult the section: **Button Operation Overview.**

How long does the camera last?

The camera supports uploading 200 files per day and over 6,000 files in 30 days in Real-Time mode. Actual runtime may vary depending on environmental conditions and usage.

How to pair the camera with the app?

1. Download the RecoTac 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 isn't working properly?

1. Check if the batteries are correctly installed and sufficiently charged.

2. Take a test photo and check the app to see if the image appears.

3. If the photo doesn't display, check the SIM card for signal issues.

4. Verify the PIR sensitivity setting in the app. If it's set to 0, the camera won't detect or capture images.

What should I do if the camera captures too frequently?

1. Adjust the PIR sensitivity to a lower setting and set Time Lapse to a longer interval in the app.

2. Avoid mounting the camera on objects prone to movement, such as tree branches or ropes, as even slight motion can trigger the shutter.

3. Position the camera away from mirrors, bright light sources, or other objects that could cause false triggers.

What is the capacity range of the SD card? What should I do if it's full?

1. The recommended capacity range is 8-512GB.

2. For cards larger than 32GB, formatting is required. To format the card, open the camera and switch to Setup Mode, then press and hold 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 I use other SIM cards?

Yes, the camera comes with a SIM card. But please note that the camera is only compatible with the provided SIM card. If the SIM card is lost or stops working, contact customer support to request a replacement.

How do I upgrade the camera firmware?

You can update your camera's firmware in the app—go to Settings > Device Information > Check for Updates.

Tip: Before initiating a firmware update, ensure the SD card functions normally and maintain a sufficient battery charge. If you have any difficulties in updating, please contact our customer support for help.

Do I need to purchase or subscribe to a data plan?

A free trial service is available for initial use. After the trial period, a data plan is required. You can subscribe to a plan that covers both data usage and storage from our official website: https://pay.recotac.com/.

Can I use the camera at night?

Yes. The camera features a photosensitive sensor that automatically switches to night vision mode, capturing sharp black-and-white images when night falls.

Can I use the camera in rainy weather?

Yes. The camera has an IP66 waterproof rating, making it suitable for use in the rain. However, avoid fully submerging the camera in water.

Limited Warranty

This product has been thoroughly tested and inspected before shipment. It is covered by a 2-year warranty that also covers parts and workmanship from the purchase date.

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

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 before returning the product under this warranty. For repair or exchange, a written description of the problem and print samples are required.

Verification

FCC STATEMENT

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the

instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.

2. Increase the separation between the equipment and receiver.

3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

4. Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

RoHS Compliance

This product is fully compliant with the Restriction of Hazardous Substances (RoHS) Directive (2011/65/EU and amendments), which prohibits the use of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), and four additional phthalates in electrical and electronic equipment. By adhering to RoHS standards, we ensure this hunting camera meets stringent environmental and safety requirements, minimizing its impact on ecosystems and human health.Our commitment to RoHS reflects our dedication to sustainable manufacturing practices and responsible product design.

Contact Us

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For any inquiries about RecoTac products, please feel free to contact us.
We will respond within 24 hours.