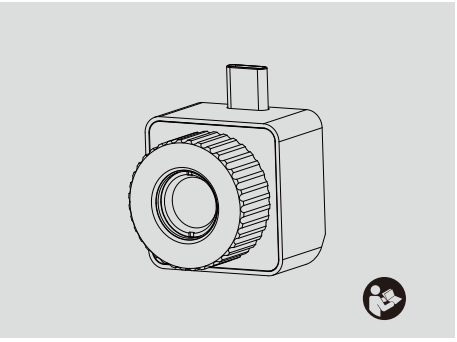
MILESEEY®

TNV256i

Long Focus
Thermal imaging camera for Andriod
User manual



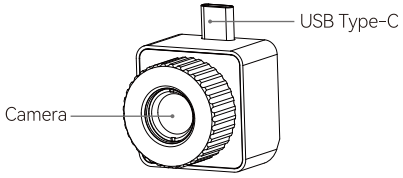
Product overview

Thank you for purchasing the MILESEEY Long Focus Thermal imaging camera for Andriod, please carefully read the user manual.
The night vision infrared thermal imaging device adopts a high-resolution industrial-grade infrared detector with a 10mm lens, making it a high-precision, fast-responding, portable, and mobile outdoor night vision thermal imaging device. The product is lightweight and portable, plug-and-play, and can be connected to a mobile phone to perform infrared imaging of target objects with the help of a customized professional thermal imaging APP. It has various image modes and functions to meet the observation needs of different scenarios.

Product features

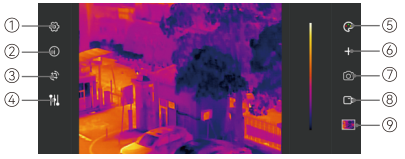
- Equipped with high-quality optical lens and high-resolution detector, providing excellent imaging effect.
- Lightweight and portable, compatible with mobile APP, suitable for observation in different scenarios.
- Zoom in/out with two fingers sliding gesture.
- Accurate GPS positioning information.
- Compass function for easy orientation.
- Unique features such as hot spot tracking and low temperature tracking.
- Sturdy and durable aluminum alloy shell.

Product profile



APP introduction

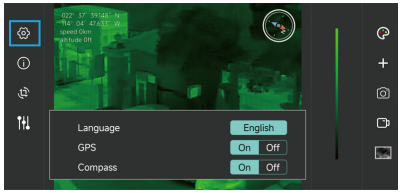
Upon successfully connecting a thermal camera to an Android smartphone and running the associated app, you will be presented with the following interface:



①	Setting	Providing settings of the interface of the app and the parameter of the infrared thermal camera.
②	About	Introduction of some information about the app.
③	Image rotation	The image can be rotated by 180 degrees.
④	Image property	To adjust the fundamental properties of an thermal image such as brightness and contrast to improve overall appearance and visual quality.
⑤	Color palettes	Switch between various color palettes to customize the display colors of the video.
⑥	Temperature tracking	To track the current max & min temperature on the image.
⑦	Snapshot	Take photos and store them in the album.
⑧	Video recording	Film videos and store them in the album.
⑨	Photo album	Store photos and videos from this app.

Setting

Click the "Settings" button to display the settings menu. The following interface provides each setting option within the menu.



Language	Supporting mandarin & English.
Compass	Providing the information about the direction of the place on the current image, displayed in the upper right corner of the screen.
GPS	Providing latitude, longitude, speed, and altitude information about the place on the current image, displayed in the upper left corner of the screen.

Color palettes

There are a total six pseudo-colors.

Iron		In regions with high temperatures, the color red is given the greatest prominence, and it is the most frequently used display mode.
White hot		For high-temperature ranges, white is used and the entire screen is mainly white and black, which is suitable for users who prefer the black and white traditional mode.
Black hot		For high-temperature ranges, black is used and the entire screen is mainly black and white, which is suitable for users who prefer the black and white traditional mode.
Rainbow		The highest temperature is represented by red; the medium temperature is represented by yellow, and low temperature is mainly blue-black, which is suitable for scenes with distinct color differences for high and low temperatures.
Red hot		The main color scheme is red and black. The transition from the lowest to the highest temperatures is depicted through a gradient of black, white, and red tones. This color palette is suitable for scenarios where attention is primarily focused on objects with high temperatures.
Cold green		The overall color scheme adopts a green tone, which is a traditional night vision color mode.

Temperature tracking

Click the temperature tracking button on the right side to choose whether to enable or disable the display of the highest and lowest temperatures in the real-time image. Red indicates the highest temperature and blue indicates the lowest temperature. Click to enable temperature tracking and click again to disable it.

Snapshot

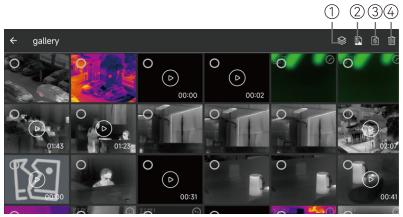
Click the "photograph" button to capture the current infrared image, which will be automatically saved.

Video recording

Click the [Record] button to start recording a video. When the [Record] button is clicked, it turns red to enter the recording state, and the recording time appears in the lower left corner of the video window. Click the [Record] button again to stop recording.

Photo album

All the photos and videos taken by the app can be easily viewed by clicking on [album]. The album interface is shown in the figure below, with files sorted in descending order by time.



①	Album	Display both photo and video files simultaneously.
②	Photos	Display only photo files.
③	Videos	Display only video files, and the preview image includes the duration of the videos.
④	Trash bin	After selecting a file, delete the file.

When you click on the image to view details, you can select options on the right side of the screen to draw and add text for editing.

Notes for usage

1. Do not use alcohol, detergents or other organic cleaning agents to clean the lens. It is recommended to use a soft cloth dampened with water for cleaning.
2. Do not expose the lens to direct sunlight, laser or other strong light sources, which may cause irreparable physical damage to the thermal imager.
3.You need to enable OTG connection in your phone's settings to run the app normally (the location of the setting varies depending on the phone model, and you can search for OTG in the settings. Some phone models have OTG enabled by default.)

APP Downloading

Please scan the QR code and download the Mobile Night Vision Infrared Thermal Imager APP through your mobile browser. (Only available for Android systems.)

Product specifications

IR resolution	256 x 192
Wavelength	8 ~ 14 μm
Frame rate	25Hz
NETD	< 50mK @25℃
FOV	17.5° x 13.2°
Lens focal length	10 mm
Zoom	Prime lens
Color palettes	Iron red, rainbow, white hot, black hot, cold green, red hot
Language	English; Mandarin
Operating temperature	-20℃ ~ 60℃
Storage temperature	-40℃ ~ 85℃
IP rating	IP54
Dimension	28.5*28.5*28.2mm

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