

Μικρή Θερμική κάμερα Mileseey TR256i για iPhone

Mileseey · EAN 6971915320047

Machine translation from Polski. In case of doubt the manufacturer's original document prevails.

Mini Thermal Camera

Mileseey TR256i for iPhone

User Manual

Preliminary Product Information

Thank you for purchasing the Mileseey handheld thermal camera. Before using the device, please carefully read the user manual.

The thermal camera for mobile phones is a portable thermal imaging analyzer with high precision and fast response, equipped with an industrial infrared detector with a small pixel pitch and high resolution, as well as a 3.2 mm lens. The product is lightweight and portable, and can be used immediately after connecting to power. Thanks to a special professional application for thermal image analysis, it can be connected to a mobile phone to perform infrared imaging of the target object, enabling professional thermal image analysis in various modes anywhere and anytime.

Device Characteristics

The device is equipped with a high-quality optical lens and a high-resolution detector, ensuring excellent image quality;

It is lightweight and portable, and with the mobile application, it allows for professional thermal analysis anywhere and anytime;

It has a wide temperature measurement range: from -15°C to 600°C;

It supports high-temperature alarms and the ability to customize alarm thresholds;

Supports screen display with a user-defined temperature range and has many application scenarios for displaying high-temperature areas; Supports tracking high and low temperatures; Supports adding points, lines, and rectangular fields for regional temperature measurement, with lines and rectangular fields supporting high and low temperature tracking and high-temperature alarm; Features an aluminum alloy housing that is solid and durable. Product appearance

USB Type-C

Lens

Presentation of application features

Presentation of the user interface

Connect the device to an Android phone or tablet and launch the application. Displays the image from the camera on the

Infrared area in real-time. thermography

Visualizes maximum and minimum

Temperature bar on the scanned

temperature area using color gradients. Reset Press to reset. Alarm Allows setting a threshold for high temperature alerts, triggering audible and visual signals when exceeded.

Palette Switches between different color palettes for optimal thermal visualization.

Temperature Continuously monitors and displays maximum, minimum, and average

temperatures. Key information Highlights thermal data in active rectangular areas;

automatically creates a frame if one is not present. Settings Used to manage application

interface settings and thermal camera parameters. Recording Records and archives videos

from the thermal camera in the gallery. Temperature Supports marking points, lines, and

rectangular areas for local thermal analysis. Taking Takes thermal photos and saves them in the gallery. Gallery Saves all thermal photos and videos recorded by the application.

Rotation Used to change the screen orientation. Display in landscape orientation; Display in portrait orientation

Highlighting Can display the area of highest temperature on the screen

Description of functions

Settings

Click the button to display the settings panel. Table of emissivity coefficients for typical materials

Material Emissivity Material Emissivity

Asphalt Fabric (black)

Concrete Skin (human)

Cement Skin

Sand Charcoal

Earth (powder) Paint

Water Paint (matte)

Rubber (black)

Snow

Plastic

Glass

Wood

Ceramics

Paper

Marble

Chromium oxide

Plaster

Copper oxide

Mortar Iron oxide

Brick Fabric

Press the icon to reset some display settings, such as screen rotation, regional temperature measurement units, etc. High-temperature alarm

Click the button, and a window will appear on the screen to set the high-temperature alarm threshold, as shown in the figure below. When the maximum temperature value displayed on the screen exceeds the alarm threshold (in point temperature measurement mode, the temperature in the given area is taken as the reference point), the system will trigger an alarm, and a red alarm signal will start flashing on the video screen. Taking photos

Click the button to take a thermal screenshot and save it in the album. Video recording

Tap the "Video" option on the screen to enter video recording mode, tap the recording button to start recording, and then tap it again to stop. The recording will be automatically saved in the gallery. Gallery

Tap the icon to go to the gallery and view the photos and recordings taken. Tap and hold an item to share or delete it. Color palette

Click the button to switch between six colors and imaging modes. Color palette Descriptions
Iron oxide Indicates areas of high temperature; commonly used during industrial inspections.
White hot High temperatures are displayed in white, and low temperatures in black; suitable for general applications. Black hot Elements made of high-temperature materials appear black, which helps reduce glare in low-light conditions. Rainbow The color gradient mode increases thermal contrast with multicolored gradients, allowing for quick temperature differentiation.

Aurora Palette of blue-purple colors

polar inspired by the northern lights, mimicking effects of the northern lights, ideal for

monitoring external conditions or environments with low temperatures. Green Palette in shades of green, optimized for detecting spectrum objects in vegetated environments (e.g. search and rescue operations, wildlife observation)

Golden-red Gold-red gradient, highlighting areas of medium and high temperature, gradient used during building inspections or thermal fault detection in energy devices. Gray Gray shades palette or medical isothermal palette, used for measuring temperature (e.g. fever detection) DICOM or in medical examinations, compliant with medical imaging standards. Night vision Low-light visibility enhancement mode: Combines thermal imaging and micro-lighting, effective during nighttime protective actions or military operations. Glowing Gold tip: Indicates high gold temperature areas to warn of overheating of industrial devices. Red Monochromatic red-black gradient: allows identification of hot critical points exposed to high temperatures (e.g. electrical faults). Inspector Cool shades of gray-blue palette: mode minimizes disturbances caused by urban light pollution; suitable for detecting heat loss in buildings or nighttime urban monitoring. The temperature slider can be moved up or down to adjust the temperature range and highlight the thermal image of the scanned area. Temperature measurement in the region

Click the button , and the following interface will appear, allowing you to add points, lines, and rectangular frames to the video image for temperature measurement, with lines and frames displaying in real-time the maximum and minimum temperature of the given area. After long pressing each area, a trash icon will appear, allowing you to

delete it. Temperature tracking

Press the icon to enable or disable tracking of maximum, minimum, and midpoint temperature

in the scanned area.

Temperature monitoring

Tap the icon to enter the thermal image marking mode, in which the thermal image will be limited to the frame displayed on the screen. The size of the frame can be adjusted by dragging its edges, and its position can be adjusted by dragging the center. Tap the frame again to remove it. Screen rotation

Click to unlock the display and set horizontal orientation. Vertical orientation: Click to lock the display – the screen orientation will not change when the device is rotated. Click to enable and set horizontal orientation. Click to enable and set vertical orientation.

Highlighting high-temperature areas

After clicking the button the high-temperature area will be displayed in the current color palette, while the remaining areas will be visible as highlighted in white. The temperature range can be adjusted using the slider located on the right side of the color palette bar. The analysis mode with highlighted high-temperature areas is effective in most application scenarios, focusing solely on the temperature values in those areas. Download the app

Scan the QR code and download the Mileseey Thermal app using a mobile browser. (Android only)

Specification

Thermal imaging

in infrared

Resolution

Wavelength

Refresh rate

NETD

Lens

Temperature measurement range

Temperature measurement accuracy

Temperature measurement Supports measurements of maximum, minimum, average, and

temperature in a given area

Color palette

General information

Operating temperature

Storage temperature

IP protection rating

Dimensions

Net weight

Usage and maintenance precautions

1. Please do not use alcohol, detergents, or other cleaning agents based on organic substances to clean the lens, as this will damage the lens coating. 2. Do not expose the lens to direct sunlight, laser, or other strong light sources, as this may cause irreversible damage to the thermal imager. 3. To run the app, enable the OTG function in the mobile phone settings. Please search for the OTG option in the settings; in some phones, this function is enabled by default.

Copyright Statement

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Manufacturer:

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SIMPLIFIED EU DECLARATION OF CONFORMITY

Shenzhen Mileseey Technology Co., Ltd. hereby declares that the radio device type Mini Thermal Camera Mileseey TR256i for iPhone complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following web address:

<https://files.innpro.pl/mileseey>

Manufacturer's address: No. 3601 Block A, Tanglang Town Plaza West, Fuguang Community, Taoyuan Street, Nanshan District, Shenzhen, China

Radio frequency: 2400MHz-2483.5MHz

Maximum radio frequency power: <20dBm

Environmental Protection

Waste electrical and electronic equipment marked in accordance with the European Union directive must not be placed together with other municipal waste. It is subject to selective collection and recycling at designated points. By ensuring its proper disposal, you prevent potential negative consequences for the natural environment and human health. The waste collection system complies with locally applicable environmental protection regulations regarding waste disposal. Detailed information on this can be obtained from the municipal office, waste management facility, or the store where the product was purchased. The product meets the requirements of the so-called New Approach directives of the European Union (EU) concerning safety, health protection, and environmental protection, which specify hazards that should be detected and eliminated. This document is a translation of the original user manual created by the manufacturer. Detailed information about the distributor/manufacturer warranty conditions is available on the website

<https://serwis.innpro.pl/gwarancja>

The product should be regularly maintained (cleaned) by the user or through specialized service points at the user's cost and responsibility. In the absence of information about necessary periodic maintenance or service actions in the user manual, the user should regularly, at least once a week, assess the physical condition of the product against that of a physically new product. If any deviation is detected or observed, urgent maintenance (cleaning) or service steps should be taken. Failure to properly maintain (clean) and respond upon detecting a deviation may lead to permanent damage to the product. The guarantor is not responsible for damages resulting from negligence. Importer:

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Warnings and Safety Information

All information regarding operation and use can be found in the user manual or on the product label. Before using the products, familiarize yourself with its content and follow the instructions contained therein. Also, review the following information before use:

User Safety

1. Use measuring tools for their intended purpose. Do not use measuring tools for tasks for which they were not designed to avoid damage or incorrect measurement results.
2. Always ensure that the tool is in good technical condition before use. Damaged tools, such as cracked housings or damaged displays, may lead to incorrect measurements or risk of accidents.
3. Regularly calibrate measuring tools to ensure their accuracy and reliability of measurements. Incorrectly calibrated devices may lead to erroneous results.

Precautions

1. Use appropriate eye protection, especially when working with measuring tools that may emit radiation.
2. Keep measuring tools away from children and untrained individuals to prevent accidental damage or misuse.
3. Avoid using measuring tools in extreme temperature, humidity conditions, or in an atmosphere with a high concentration of dust that may affect their accuracy and functionality.
- 4.

When working with measuring tools, exercise caution to avoid damaging delicate measuring components (e.g., sensors, probes). Safe usage

1. Always ensure that the measuring tool is properly set up and secured to avoid measurement errors or damage.
2. Use measuring tools only in designated areas that provide adequate stability and minimize the risk of accidents, such as slippery or uneven surfaces.
3. Never take measurements on live components or in conditions that may pose a safety hazard. Guidelines for use in appropriate conditions

1. Store measuring tools in a dry, cool place, away from moisture and direct sunlight, which can damage the devices or affect their accuracy.
2. When using measuring tools, ensure that they are well seated and not exposed to shocks or impacts that may lead to damage.
3. Avoid using measuring tools in areas with extreme conditions, such as heavy vibrations, hot surfaces, dust, or moisture, unless the tool is designed for such conditions by the manufacturer. Maintenance instructions

1. Regularly check the condition of measuring tools, especially measuring components (e.g., sensors, probes, displays) and batteries.

2. Follow the cleaning instructions provided by the manufacturer. Use appropriate cleaning materials (e.g., soft cloths) to avoid damaging delicate components.
3. Regularly calibrate measuring tools according to the manufacturer's recommendations to maintain measurement accuracy. Safe disposal
 1. Worn or damaged measuring tools should be disposed of in accordance with applicable environmental protection and electronic recycling regulations.
 2. Do not throw measuring tools in regular waste containers, as they may contain components harmful to the environment.
 3. Contact local authorities or recycling companies for information on the proper disposal of worn measuring tools.

Declaration of conformity
The products have been designed in accordance with the safety requirements specified in Regulation (EU) 2023/988 on the general safety of products, ensuring their compliance with applicable safety and health standards for users.