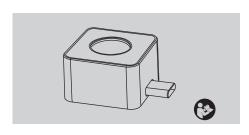
展开尺寸: 360\*180mm 成品尺寸: 60\*90mm

材质: 105g铜版纸, 四色印刷

### **MILESEEY**

TR256i TR160i Mobile Phone Infrared Thermal Imager









## Product Overview

Thank you for purchasing the handheld infrared thermal imager of Mileseey. Please read the user guide carefu**ll**y before using

Mobile phone infrared thermal imager is a portable infrared thermal imaging analyzer with high precision and quick response, which adopts an industrial-grade infrared detector with small pixel spacing and high resolution ratio, and is equipped with a

The product is lightweight and portable, and can be used directly when plugged in. With the customized professional thermal image analysis APP, it can be connected to a mobile phone to carry out infrared imaging of the target object, making it possible to perform multi-mode professional thermal image analysis anytime and anywhere.

## Product Characteristics

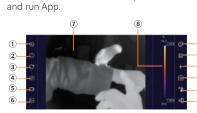
- It has high-quality optical lens and high-resolution detector, with excellent imaging effect;
- It is lightweight and portable, and can be used with mobile APP to perform professional thermal imaging analysis anytime and anywhere;
- It has a wide temperature measurement range: −15°C ~ 600°C; It supports high temperature alarm and
- customized alarm threshold; • It supports the display of user-defined temperature range screen, and has many use scenarios for the display of high-temperature regions;
- It supports high and low temperature
- It supports adding points, lines and rectangular boxes for regional temperature measurement, with lines and rectangular boxes supporting high and low temperature tracking and high temperature alarm:
- It has an aluminum alloy shell, which is

# Appearance

Settir

## APP Function Introduction

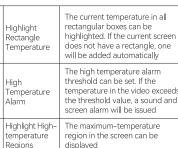
Connect device to an Android phone or tablet



<b>6</b> _	8	THE AD-		
1	Setting	Provide App interface and parameter setting of infrared thermal imaging camera		
2	About	Some information about the A		
3	Reset	Reset all information in the screand restore it to the state at sta		
4	Photo Taking	Take photos and store them ir the Album		
(5)	Video Recording	Make a video recording and store it the Album		
6	Album	Store photos and videos		
7	Infrared thermal imaging	Display infrared thermal imagi		
8	Temperature color bar	Display the maximum tempe and minimum temperature current screen with differen color block bars		
9	Color palette	Different color palette can be switched to change the color of the video		
10	Regional Temperature	Points, lines and boxes can be added to measure temperatur		

The current maximum temperature,

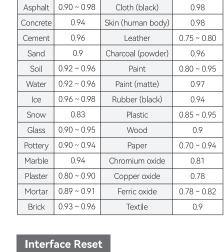
point temperature in the screen



	The high temperature alarm		Concrete	0.74	Skiri (riurriari bouy)	
h nperature	threshold can be set. If the temperature in the video exceeds		Cement	0.96	Leather	_
m	the threshold value, a sound and		Sand	0.9	Charcoal (powder)	_ 
	screen alarm will be issued		Soil	0.92 ~ 0.96	Paint	
hlight High- perature	The maximum-temperature region in the screen can be		Water	0.92 ~ 0.96	Paint (matte)	
jions	displayed		Ice	0.96 ~ 0.98	Rubber (black)	
			Snow	0.83	Plastic	
tion Introduction			Glass	0.90 ~ 0.95	Wood	
			Pottery	0.90 ~ 0.94	Paper	
			Marble	0.94	Chromium oxide	_
e [ 🧑 ] button to pop up the settings			Plaster	0.80 ~ 0.90	Copper oxide	
~	1 saccor to pop up the secungo		Mortar	0.89 ~ 0.91	Ferric oxide	
aral .			Brick	0.93 ~ 0.96	Textile	

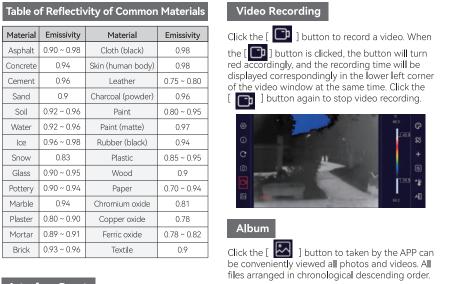


General items	General items					
Language	English					
Temperature unit	The temperature units can be set, with Celsius (°C), Fahrenheit (°F) and Kelvin (K supported					
Sound recording	Whether to record sound can be chosen when recording video.					
High and low	Low temperature range: -15°C-120°C					
Temp switching	High temperature rang: 120°C-600°C					
Parameter						
Emissivity	Emissivity parameter values shall be filled in according to the measured target					
Humidity (%)	Parameter values shall be filled in according to the humidity of the test environment					
Correction (°C)	Correction parameters shall be filled in according to the temperature measurement deviation					



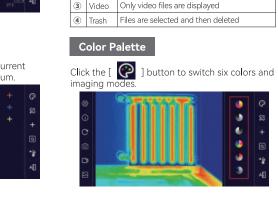


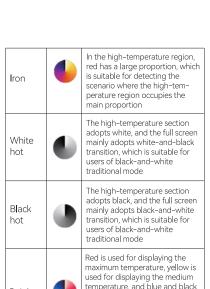








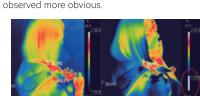




are used for displaying the low temperature, which is suitable for scenarios with distinct colors of high and low temperature

The main colors are red and black, and from the minimum temperature to the maximum temperature, the black, white and red transition mode is adopted, which is suitable for scenarios focusing on the high temperature

Blue is used to mark the colder regions, which is more suitable for observing low-temperature target objects Cold blue By adjusting the color palette bar on the right



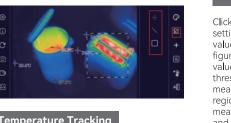
side of the screen, the temperature range can be

adjusted to make the regions that need to be

Comparison diagram

Regional Temperature Measurement

Click the [ 🔯 ] button, and the following interface will pop up, allowing the temperature measurement of points, lines and rectangular boxes to be added to the video, in which the lines and rectangular boxes will display the real-time maximum temperature and minimum temperature of the region. By long pressing each region, the trash icon will pop up for deletion.



Temperature Tracking measurement of the maximum temperature, minimum temperature and center point temperature in the real-time screen. Red is the maximum temperature, blue is the minimum temperature, and vellow is the center point temperature. Click to turn on temperature

tracking, and click again to turn it off.

ture in all rectangular boxes can be highlighted. If there is no rectangular box in the current screen, a rectangular box will be automatically added in the

By long pressing the rectangular box, its size can be adjusted and its position can be dragged, and

by clicking the delete icon next to it, the

rectangular box can be deleted.

Regional Temperature Measurement Click the [ ] button, and a window for setting the high temperature alarm threshold value pops up on the interface, as shown in the figure below When the maximum temperature value in the screen is higher than the alarm threshold value (in the regional temperature measurement mode, the temperature in the region is taken as the benchmark, except point measurement), the system will sound an alarm,



Highlight High-temperature Regions Click the [ A ] button, the high temperature region is displayed on the current color palette, and the other regions are displayed as white hot, and the temperature range can be adjusted by the slider on the right side of the color board bar. The analysis mode of highlighted high-temperature regions facilitates most application scenarios that focus solely on temperature values of



Please scan the QR code and download the Mileseey Thermal APP via mobile browser. ( Android system Only)

APP Download

**Specifications** 



Infrared thermal imaging	TR256i	TR160i			
Reso <b>l</b> ution	256x192	160x120			
Wave <b>l</b> ength	8 ~ 14	8 ~ 14 μm			
Frame rate	25Hz				
NETD	< 50mK @25°C				
Lens	3.2mm				
FOV	56° x 42°	35° x 27°			
Temperature measurement range	-15°C ~ 600°C				
Temperature measurement accuracy	± 2°C or ± 2%				
Temperature measurement	Highest, lowest, central poin and area temperature measurement are supported				
Color palette	Iron, white hot, black hot, rainbow, red hot, cold blue				
General items					
Working temperature	-10°C ~ 75°C				
Storage temperature	-45°C ~ 85°C				
IP rating	IP54				
Dimensions	34mm x 26.5mm x 15mm				
Net weight	190	19g			

## Precautions for Use and

1. Please don't use alcohol, detergent and other organic cleaners to clean the lens, it will destroy the coating of the lens.

2. Do not let sunlight, laser and other strong light sources directly direct shot the lens, otherwise the thermal imager will suffer irreparable physical damage.

3. Please enable the OTG features in the mobile phone settings to run the APP, please search OTG in settings, some mobile phone default

# Copyright Statement

All contents of this manual are copyrighted by Shenzhen Mileseey Technology Co., Ltd., which shall not be imitated, copied or translated in any way without the permission of the Company. This manual contains no warranty, expression of position or other implication in any form. The product specifications and information mentioned in this manual are for reference only and will be updated from time to time without

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E-mail: service@mileseey.com Made in China MILESEEY has started researching and development manufacturer of quality optical products including laser level, laser measure device, Golf rangefinder, and binoculars since Focus on the development, researching, and manufacturing for over 12 years. We strive to provide you with premium qualified products and atisfying customer service to make your life easier and smarter.

### Warranty 30-Day return and refund guarantee, 12-Month warranty, lifetime technique support by Please feel free to reach us with any concerns, Email: service@mileseey.com. We strive to reply to you within 24hours.



**MILESEEY** 

