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**1 Product Overview**

The TTM 260 and TTM 160 thermal cameras are portable infrared thermal imaging analyzers with high precision and quick response, which adopt an industrial-grade infrared detector with small pixel spacing and high resolution, and is equipped with a 3.2mm lens. The product is lightweight and portable, and can be used directly when plugged in. With the thermal image analysis app, it can be connected to a mobile phone to carry out infrared imaging of the target many subjects, making it possible to perform multi-mode professional thermal image analysis anytime and anywhere.

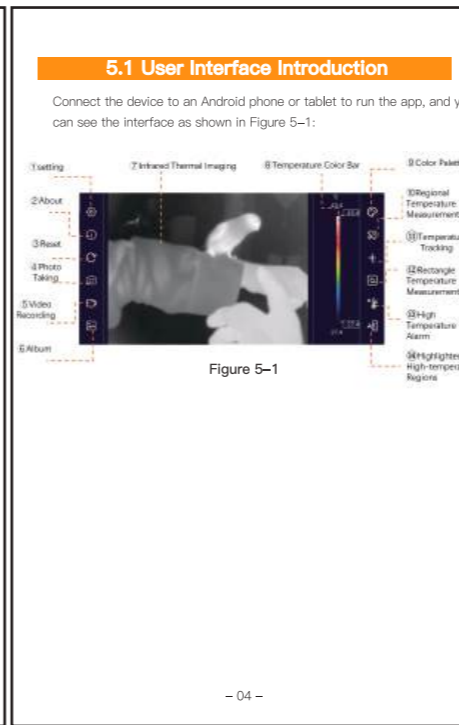
**2 Product Characteristics**

- Durable, aluminum alloy construction.
- High-quality optical lens and high-resolution detector with excellent imaging.
- Lightweight and portable, can be used with the app to perform professional thermal imaging analysis anytime and anywhere. Wide temperature measurement range: -15°C ~ 600°C (-59°F ~ 1112°F).
- High and low-temperature tracking.
- High-temperature alarms and customized alarm thresholds;
- Support the display of a user-defined temperature range screen, and has many use scenarios for the display of high-temperature regions.
- Support 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.

**3 Product Specifications**

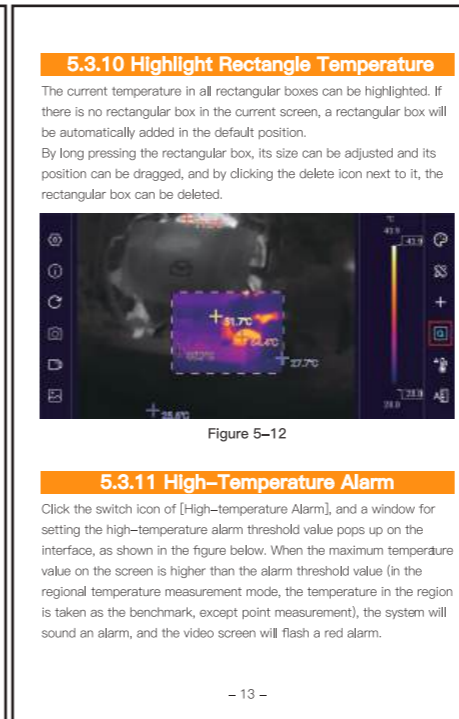
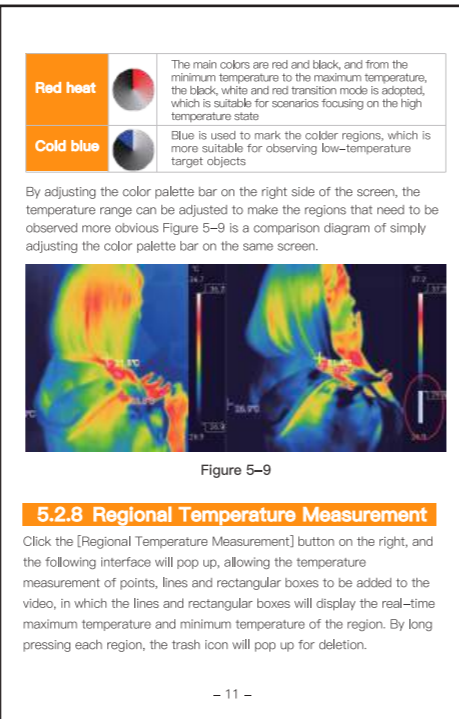
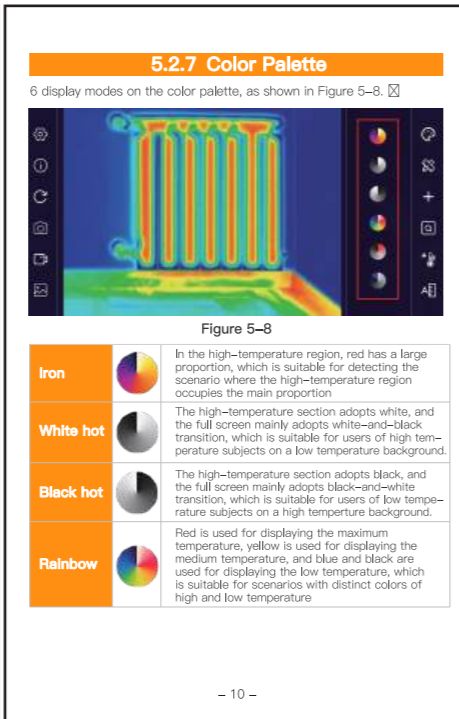
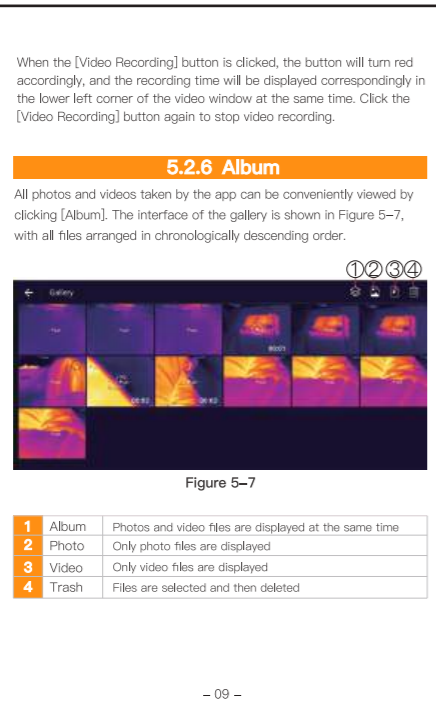
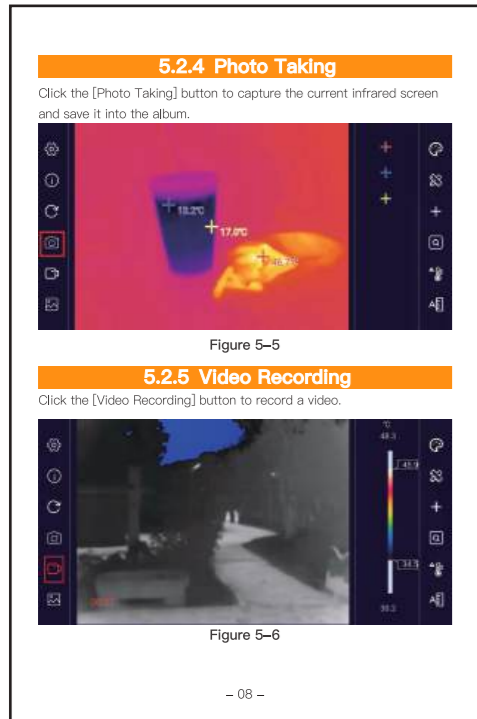
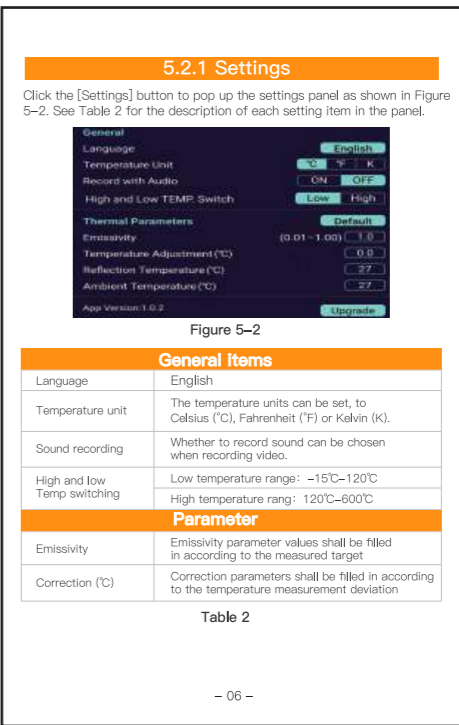
Infrared thermal imaging	
Resolution	256x192 160x120
Wavelength	8~14 μm
Frame rate	25Hz
NETD	<50mK @25°C
FOV	56° x 42° 35° x 27°
Lens	3.2mm
Temperature measurement range	-15°C~600°C (-59°F~1112°F)
Temperature measurement accuracy	± 2 °C or ± 2%
Temperature measurement	Highest, lowest, central point and area temperature measurement
Color palette	Iron, white hot, black hot, rainbow, red hot, cold blue

General Items	
Language	English
Working temperature	-10°C ~ 75°C (-50°F~167°F)
Storage temperature	-45°C ~ 85°C (-113°F~ 185°F)
Dimensions	52mm x 34.5mm x 13mm
Net weight	25g



**Infrared thermal imaging**

1 Setting	Provide app interface and parameter settings of infrared thermal imaging camera
2 About	Information about the app
3 Reset	Reset all information on the screen and restore it to the state at startup
4 Photo Taking	Take photos and store them in the Album
5 Video Recording	Make a video recording and store it in the Album
6 Album	Store photos and videos
7 Infrared Thermal Imaging	The infrared thermal imaging display
8 Temperature Color Bar	Display the maximum temperature and minimum temperature in the current screen with different color block bars
9 Color Palette	Different color palette can be switched to change the color of the video
10 Regional Temperature Measurement	Points, lines and boxes can be added to measure temperature in different regions
11 Temperature Tracking	The current maximum temperature, minimum temperature and center point temperature on the screen can be tracked
12 Highlight Rectangle Temperature	The current temperature in all rectangular boxes can be highlighted. If the current screen does not have a rectangle, one will be added automatically
13 High Temperature Alarm	The high temperature alarm threshold can be set. If the temperature on the screen exceeds the threshold value, a sound and screen alarm will be issued
14 Highlight High-temperature Regions	The maximum-temperature region on the screen can be displayed



**8 Appendix**

**Table of Reflectivity of Common Materials**

Material	Emissivity	Material	Emissivity
Asphalt	0.90 to 0.98	Asphalt	Asphalt
Concrete	0.94	Concrete	Concrete
Cement	0.96	Cement	Cement
Sand	0.9	Sand	Sand
Soil	0.92 to 0.96	Soil	Soil
Water	0.92 to 0.96	Water	Water
Ice	0.96 to 0.98	Ice	Ice
Snow	0.83	Snow	Snow
Glass	0.90 to 0.95	Glass	Glass
Pottery	0.90 to 0.94	Pottery	Pottery
Cleaning Cloth	0.94	Marble	Marble
Marble	0.94	Marble	Marble
Plaster	0.80 to 0.90	Plaster	Plaster
Mortar	0.89 to 0.91	Mortar	Mortar
Brick	0.93 to 0.96	Brick	Brick

**Customer Service**

Please contact us if you have any questions about our products, we would love to hear from you.

- 12-month Limited Warranty
- Lifetime Technical Support
- support@teslong.com
- www.teslong.com
- 1-877-899-8808 (US) (Mon-Fri 8:00 AM-5:00 PM PST)

TESLONG TTM160P/TTM260P  
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