

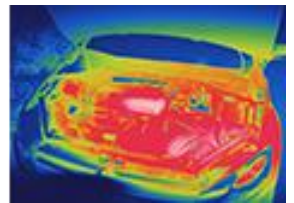
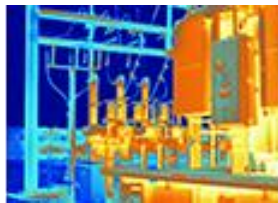
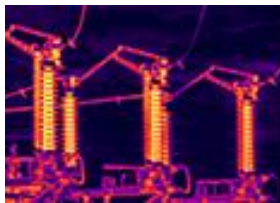
# Thermal Camera 384x288 Pixels

## T60

### DATA SHEET



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- The high-sensitivity capacitive touch screen is overlaid with 1.1mm explosion-proof glass, which can protect the display from breakage while ensuring touch sensitivity.
- Built-in 32GB + expandable SD card allows you to store data unlimitedly. For example, when full-frame temperature data logging is required, the SD card can be expanded to store large amounts of data.
- It can be equipped with multiple removable batteries, and the battery capacity reaches 5000mAh, with a battery life of about 5 hours, which can meet the needs of long-term work.
- The laser distance measurement module with standard configuration can support accurate distance detection within 40 meters.

**Temperature measurement:**

- Unique laser spot temperature measurement mode, which can support laser spot temperature measurement
- Maximum temperature measurement is up to 1200 °C and achieves industrial-grade high-precision standards

**Software:**

- It supports different image recording modes, such as taking photos, recording videos, and taking screenshots.
- Download the Thermal Tools Software from the [www.uniks.it](http://www.uniks.it) website (Products/Thermal Cameras...)

## Specifications

Parameter		Specification
Thermal Camera	IR resolution	384*288 pixels
	Spectral range	8~14um
	Frame rate	50 Hz
	NETD	<40mK at 25 °C
	Field of view	17.46 °× 1 3.14 °
	Lens	15 mm (standard), 19 mm (optional) , 25 mm (optional)
	Temperature measuring range	-20°C~1200°C
	Measurement accuracy	±2°C or ±2% of reading, whichever is greater
	Temperature measurement	Supports maximum, minimum, center point temperature measurement of the entire screen, as well as point, line, and frame temperature measurement
	Color palette	Iron red, rainbow, high contrast rainbow, warm white, hot black, arctic, lava
Visible light	Resolution	8 Mega pixels
	Field of view	P=73° A=66° V=40°
Viewing images	Screen size	4.3-inch touch screen
	Picture Mode	Thermal images, visible light, edge blending, overlay blending, picture-in-picture
	Image Optimization	TisoView image enhancement set
General	Language	It supports English, French, German, Spanish, Portuguese, Russian, Arabic, Japanese, Korean, Simplified and Traditional Chinese.
	Digital zoom	Continuous zoom
	Measurement correction	Target Distance, Ambient Temperature, Relative Humidity, Reflected Temperature
	Wifi	Supports smartphone connection via WiFi network and uses the UNIKS THERMAL APP for image management
	Bluetooth interface	Support USB Type-C, HDMI
	PC Analysis Software	Support
	Mobile APP	UNIKS THERMAL (Android)
	Laser pointer	Support

	Laser rangefinder	40 meters
	Guided	Support
	Buzzer	Support
	Battery	Removable 5000mAh lithium battery
	Operating time	A fully charged battery can be used for about 5 hours
Storage	Capacity	Built-in 32G EMMC memory, expandable up to 256G via SD card
Documentation	Photography	Support
	S Screen	Support
	Video	Support
Physical properties	Working Temperature	-10°C ~ +60°C
	Storage temperature	-40°C~+85°C

**Note:** The lens is installed according to the requirements before leaving the factory. The lens cannot be replaced during use after leaving the factory.

## Thermal Camera Component Introduction





NO.	Part Name	Illustrate
(1)	Multiplex Menu/ok button	<ul style="list-style-type: none"> <li>● Short press on the main interface to enter the top-level menu;</li> <li>● In the first-level menu, short press to enter the second-level menu;</li> <li>● Select the corresponding option in the settings interface and short press to save the settings;</li> </ul>
(2)	Customizable buttons	<ul style="list-style-type: none"> <li>● In the settings interface, you can select the corresponding function to achieve fast operation</li> </ul>
(3)	Power/Return Button	<ul style="list-style-type: none"> <li>● In the off state, long press to turn on the device;</li> <li>● Long press in power-on state to turn off the device;</li> <li>● Short press Enter on the menu interface;</li> </ul>
(4)	Calibration button	<ul style="list-style-type: none"> <li>● Short press on the main interface to calibrate</li> </ul>
(5)	Arrow button	<p>Up and down arrow button</p> <ul style="list-style-type: none"> <li>● On the main interface, short press to switch the picture mode;</li> <li>● In the menu setting interface, short press up and down to move the selection;</li> </ul> <p>Left and right arrow button</p> <ul style="list-style-type: none"> <li>● Short press on the main interface to change the color palette;</li> <li>● In the menu setting interface, short press left or right to move the selection;</li> </ul>
(6)	LED	<ul style="list-style-type: none"> <li>● Switch on or off via the menu function</li> </ul>
(7)	Lens	<ul style="list-style-type: none"> <li>● Original detector lens</li> </ul>
(8)	Laser rangefinder	<ul style="list-style-type: none"> <li>● Open or close via the menu function</li> </ul>

(9)	Camera	<ul style="list-style-type: none"> <li>● 8-megapixel visible light camera</li> </ul>
(10)	LED	<ul style="list-style-type: none"> <li>● Standard version: Switch the LED on or off via the menu function</li> </ul>
(11)	Manual focus	<ul style="list-style-type: none"> <li>● During use, you can adjust the manual focus by rotating the lens.</li> </ul>
(12)	Wrist strap interface	<ul style="list-style-type: none"> <li>● Attach the wrist strap for easy carrying</li> </ul>
(13)	Trigger	<ul style="list-style-type: none"> <li>● In the main interface, short press the shutter button to take a photo. After taking the photo, short press the OK button to save it, or short press the Back button to cancel the save.</li> <li>● On the main screen, press and hold the activation button for 3 seconds until the recording time appears in the upper left corner of the screen, indicating that recording has started. Short press the activation button to stop recording;</li> </ul>
(14)	Removable battery	<ul style="list-style-type: none"> <li>● Battery replacement available</li> <li>● The battery is rechargeable via USB Type-C</li> </ul>
(15)	MICRO SD card	<ul style="list-style-type: none"> <li>● Insert a MICRO SD card to increase the additional storage space.</li> </ul>
(16)	Type C	<ul style="list-style-type: none"> <li>● Through this interface, users can connect to a PC to perform operations, including exporting, deleting, and formatting images.</li> <li>● Rechargeable via USB Type-C</li> </ul>
(17)	HDMI	<ul style="list-style-type: none"> <li>● Can transmit images by connecting the HDMI cable</li> </ul>
(18)	Lens cap	<ul style="list-style-type: none"> <li>● Protect the lens</li> </ul>

## APP for Android systems

Download the UNIKS THERMAL APP compatible only for Android systems.



## Analysis software

### Overview

Thermal Tools is a professional computer-based data analysis software capable of performing secondary analysis and processing on images acquired by specific infrared equipment. Download the Software from the [www.uniks.it website](http://www.uniks.it)

### Feature

- The software interface is easy to understand and use;
- The temperature can be displayed anywhere on the entire screen;
- Multiple image modes can be switched;
- Processed images can generate corresponding reports;
- Available to integrate other related software or hardware cameras;



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