

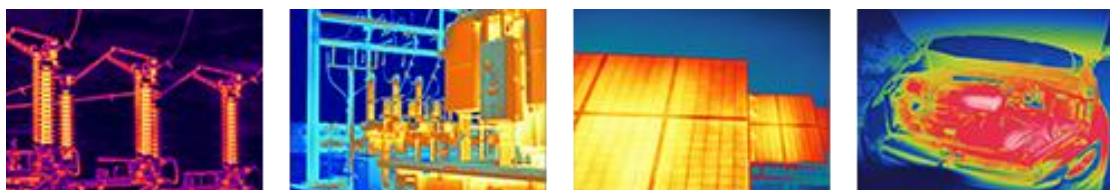
Compact Thermal Camera

T20 and T40

Data Sheet



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Product features

Image Appearance:

- Equipped with an infrared detector with 120*90 pixels resolution for the T20 and 256x192 pixels for the T40, the image is sharper.
- Using the unique TisoView image technology, you get super resolution, image enhancement, image saturation adjustment, gain adjustment, and other algorithms to make the image sharper.
 - T20 from 120x90 to 240x180 simulated pixels
 - T40 and 256x192 to 512x384 simulated pixels

Structural aspects

- Built-in 8GB memory, which can store more than 20,000 photos.

Equipped with a 2600mAh lithium battery, it has a lifespan of up to 4 hours, which is enough to meet most work needs.

Temperature measurement:

The temperature range is -20°C to 550°C and achieves the industrial-grade high accuracy standard

Software:

- Dedicated analysis software enables full-frame thermal image analysis. Download to the T20 or T40 product page on the www.uniks.it site
- It supports two recording modes: photo taking and video recording.

1 Technical Specifications

Parameters		Specification
Infrared thermal imaging	IR resolution	T20 120 x 90 pixels T40 256 x 192 pixels
	Wavelength	8~14um
	Size in pixels	17 um
	TisoView	It supports multiple technologies such as DDE enhancement, noise reduction, and super resolution, making the image sharper. <ul style="list-style-type: none"> T20 from 120x90 to 240x180 simulated pixels T40 and 256x192 to 512x384 simulated pixels
	Frame rate	25 Hz
	NETD	6.0mK at 25 °C
	Field of view	38° x 50°
	Lens	2.3 mmF1.1
	Measuring range	-20°C~550 °C
	Measurement accuracy	±2°C or ±2% of reading, whichever is greater
	Temperature measurement	Supports full-screen temperature measurement of high point, lowest point, center point, and regional temperature
	Temperature compensation	Supports distance compensation within 2 meters
	Color palette	Iron Red, Hot White, Hot Black, Rainbow, Hot Red, High Contrast, Lava, Arctic, Chilly
	Visible light	Resolution
Field of view		55°x83°
Image Display	Screen size	2.8 inches
	Picture Mode	Fusion of contours, fusion of overlays, Picture in Picture, thermal image, visual image
General	Language	It supports English, French, German, Spanish, Portuguese, Italian, Russian, Arabic, Japanese, Korean, Simplified and Traditional Chinese.
	Interface	USB Type-C (supports charging and data transfer)

	Flashlight	Support
	Battery	2600mAh
	Working hours	Once fully charged, the battery can be used for approximately 4 hours
	Operating Temperature	-10°C~+60°C
	Storage temperature	-40°C~+85°C
Memory	Capacity	Built-in 8G memory, 6.19G actually usable storage space, can store more than 20,000 images
	How to store images	JPG
	Video Format	MP4

Thermal Camera Parts Introduction



NO.	Part	Description
①	Menu/ok button	<ul style="list-style-type: none"> ● On the main interface, short press to enter the top-level menu; ● In the first-level menu, short press to enter the second-level menu; ● Select the corresponding option in the setting interface, and short press to save the setting;
②	Custom button	<ul style="list-style-type: none"> ● After setting the custom button function in the setting interface, you can perform shortcut operations
③	Power/Return Button	<ul style="list-style-type: none"> ● Long press to turn on the device when it is turned off; ● Long press in the power-on state to turn off; ● Short press Enter on the menu interface;
④	Button Album	<ul style="list-style-type: none"> ● Short press to enter the gallery
(5)	Arrow button	<p>Up and down arrow button</p> <ul style="list-style-type: none"> ● On the main interface, short press to switch the picture mode; ● In the menu setting interface, short press up and down to move the selection; <p>Left and right arrow button</p> <ul style="list-style-type: none"> ● Short press on the main interface to change the color palette; ● In the menu setting interface, short press to move left or right to select;
⑥	Flashlight	<ul style="list-style-type: none"> ● Open or close via the menu function
⑦	Type-C interface	<ul style="list-style-type: none"> ● Users can connect to the PC through this interface to perform operations, including exporting images, deleting,

		formatting, etc.
⑧	Camera	<ul style="list-style-type: none"> ● 1080P visible light camera
(9)	Lenses	<ul style="list-style-type: none"> ● Original detector lens
(10)	Trigger	<ul style="list-style-type: none"> ● In the main interface, short press this 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. ● On the main interface, press and hold this button until the recording time appears in the upper left corner of the screen, indicating that the video has started. Short press the button to stop recording.
⑪	Laser	Pointer and Distance Meter up to 40m

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 on 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;

Operating Environment

It is recommended to install this software on Windows 10 and later operating systems to ensure normal and stable operation of the software.



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