

# T31 Thermal Imager

3.5' TFT color LCD screen / 160×120 Pixels

**19200 Pixels**

## T31

DALI T31 is a handheld tool with 160x120 pixels infrared thermal imager, product by infrared camera lens, infrared imaging detector components, 3.5' TFT color LCD screen, SD card, rechargeable lithium battery and software; hardware processing system, etc. is currently the market with the most cost-effective products.

The infrared thermal imager temperature measurement express, accurate, convenient, durable, suitable for all kinds of fault prevention and maintenance testing.



**Uncooled focal plane thermal type**



**3.5" TFT color LCD screen**



**2m drop, IP54 package**



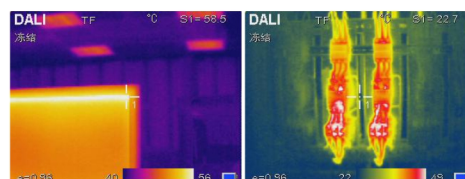
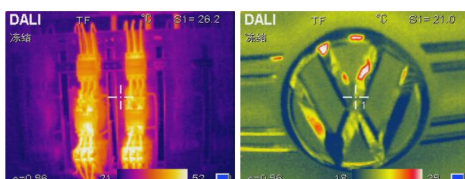
**Image storage**



**≤0.06°C, high sensitivity**



**Multifunctional temperature measurement**



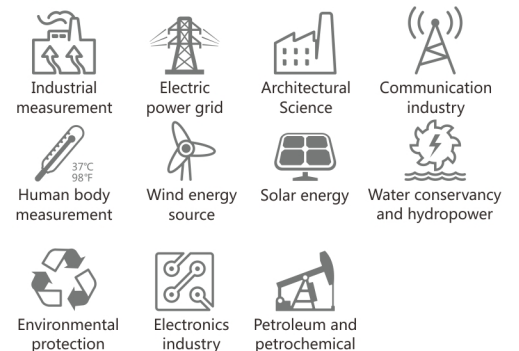
## Parameter

	Item	T31
Detector performance	Detector type	Uncooled focal plane thermal type
	Pixel	160×120
Image performance	Field of view/Minimum focus	25°×19°/0.1m
	Spatial resolution	2.72mrad
	Heat sensitivity	≤0.06°C@30°C
	Frame frequency	50/60Hz
	Focus	Manual focus
	Wavelength range	8-14um
Image display	LCD screen	3.5" TFT color LCD , 640×480 pixel
	Palette	6 optional color palette(including iron oxide red, black and white, black and white rainbow, reverse etc)
	Image control	Auto/manual adjust contrast and brightness
Measurement	Temperature range	-20°C - +350°C
	Accuracy	±2°C or ±2% ( reading range ) , take the biggest value
	Measurement correction	Automatic/Manual
	Measurement pattern	move point, full screen the most high temperature/minimum temperature capture, real-time 1 can move area, temperature alarm (sound, color)
	Set up function	Date/time , temperature unit °C/°F/K , language
	Emissivity correction	0.1 to 1.0 of the radiation rate can be adjusted (increment is 0.01), or by a predefined material emissivity
	Background temperature correction	Automatic
Image storage	Memory card	8G Micro SD ( TF ) card, Maximum support 16G
	Storage mode	Manual/automatic storage, single frame infrared storage
	Infrared image format	JPEG format , Image with original measurement data
	Battery type	Lithium battery, rechargeable
Power supply system	Battery operation time	3 hours
	Charging type	Intelligent charger charging or AC power adapter charge
	Power saving	Automatic sleep, automatic shutdown
Environmental parameter	Working temperature	-15°C~+50°C
	Storage temperature	-40°C~+70°C
	Humidity	≤95% ( Non-condensing )
	Protection level	IP54
	Shock resistance	25G , IEC68-2-29
	Vibration	2G , IEC68-2-6
Physical characteristics	Drop test	2m
	Weight	0.98Kg
	Dimension	230mm×105mm×245mm
Interface	Handrail	Both sides can be installed
	Tripod	1/4"-20-UNC
	Power interface	Yes , DC 12V
	SD Card slot	Micro SD ( TF ) Cassette
Interface	Video output	Yes , PAL/NTSC
	Data output	Mini-USB ,Image, measurement data transmission to the computer

▲ The information contained in this document is subject to change without notice



## Application



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