大立科技
DALI TECHNOLOGY

Handheld Industry Inspection Thermal Imaging Camera

Image Fusion Technology Accelerates the detection

T4/T8

www.dali-tech.com

DALI PROFESSIONAL

THERMAL IMAGING CAMERA MANUFACTURER

T4/T8 Series

EXCELLENT IMAGE QUALITY

384X288 Pixel

Drop-resistant

3.6" touch sun screen

7.4V/1800mAh rechargeable lithium batteries inside, this is battery cap open button

Dual LED fill lights make clearer shot

3.2 million pixel CMOS camera modules inside

160X120/384X288 pixel

Laser locator

DALI T4/T8

T4/T8

Newly released by DALI, T4/T8 serial, using a new ergonomic design concept, are one kind of handheld IR Thermal Camera designed for Electric & Industrial Observation with pixel of 160X120/384X288 . T4/T8 will give a fusion display with the 3 million pixel daylight image and IR thermal image through a convenient 3.6Ў touch screen at your fingertips. Importantly, Network real-time transmission of pictures and video features play an excellent role in the field of scientific research and industrial control.

Fusion display of IR & daylight image

Real-time transmission of pictures and records

Bluetooth audio transmission

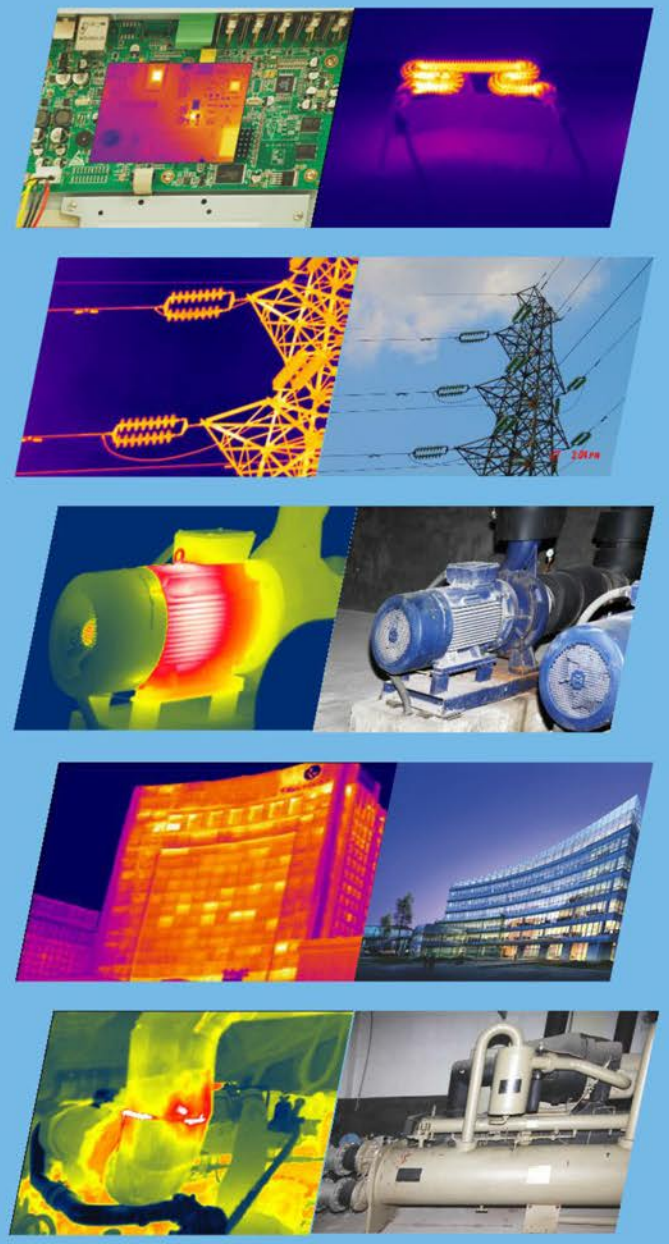
2-meter drop resistant

Dual LED fill lights make clearer shot

3.6" touch screen

3.2 million daylight image

IR Application



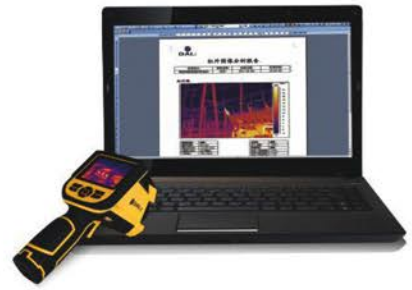
Technical Parameter

Items		T4	T8
Detector characteristics	Detector type	Un-cooled FPA micro-bolometer	
	Array size/format	160×120	384×288
Image characteristics	Field of view/min focus distance	25°×19°/0.1m	
	Spatial resolutionJIFOVJ	2.72mrad	1.36mrad
	Thermal sensitivity	≤0.05℃@30℃	≤0.04℃@30℃
	Frame frequency	50/60Hz	
	Focus	Manual	
	Zoom	2X , 4X	
	Spectral range	8-14μm	
	Built-in CCD camera	3.2 million pixels, CMOS camera modules, 2 LED fill lights	
Image display	LCD	3.6" TFT LCD, 640 x 480	
	Image display	IR and Visual image can be shifted fast; image fusion.	
	Image processing	Automatic / manual/ auto-enhancement	
Measurement	Temperature ranges	-20℃- +350℃(can expanded to 650℃)	-20℃- +600℃(can expanded to 1200℃ or 2000℃)
	Accuracy	±2℃ or ±2% of reading, Whichever is greater	
	Measurement correction	Automatic / manual	
	Measurement mode	Up to 5 movable spots. Up to 5 movable areas. Up to 2 movable lines (maximum, minimum and average temperatures). Line profile. Isotherms. Temperature difference. Alarm(voice, color)	
	Image control	Color palette 11 palettes changeable	
		Image adjustment Auto/manual gain and brightness	
	Setup functions	Date/time, temperature unit, language	
	Emissivity correction	Variable from 0.01 to 1.0	
	Background temperature correction	Automatic corrections according to user input	
	Atmospheric transmission correction	Automatic correction according to user input object distance, humidity and temperature	
Image storage	Storage card	8G SD card, max 32G	
	Storage mode	Manual/Auto single file saving, IR and Visual image link saving, fusion recording	
	File format	Thermal: JPEG with original thermal measurement data included; H.264 in network recording Visual: JPEG; H.264 with fusion.	
	Voice annotation	Input via built-in microphone up to 60 seconds of digital voice clip per image stored with image	
Laser pointer	Laser locator	Class 2, 1mw/635nm(red), IEC 60 285	
Power source	Battery type	Li-Ion, rechargeable	
	Battery operating time	3 hours continuous operation	
	Battery charging mode	Intelligent charger or car power adaptor 12V(optional)	
	Power saving	Auto-sleep and auto-shut down	
	External power	10-15V DC	
Environment	Operating temperature	-15℃-+50℃	
	Humidity	≤90% non-condensing	
	Encapsulation	IP54	
	Drop test	2m	
Physical characteristics	Weight	0.98kg	
	Dimension(WXHXD)	105×245×230mm	
Interface	SD card slot	Micro SD card cassette	
	External network input	With function of IP address real-time image transferring setup	
	Video output	YES	
	Audio / data transfer	Bluetooth /RS232)	

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

FREE-CHARGE analysis software

T4/T8 cameras can quickly download the records & images, then import them into the infrared analysis software in which all reports can be done and established by their own WORD report templates in completing all of the images and data analysis.



Application in power industry

- Clamps & transmission equipment detection
- Power transformation & distribution equipment detection

Application in construction

- Underground heating system
- Insulation trouble
- Hollowing detection
- Water stain damage
- Window airtightness
- Radiators and pipes

Application in technology

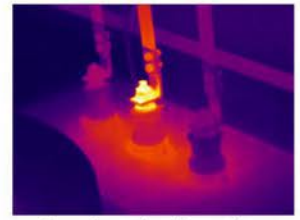
- Temperature distribution measurement
- Temperature change analysis
- Temperature differences judgement

Application in electrical and mechanical industry

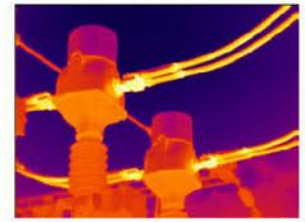
- Security detection
- Insulation failure
- Loose interface detection
- HVAC error
- Components malfunction
- Repair verification

New energy application

- Measurement of LED chips and lights temperature and cooling process
- Detection of Solar components hot spots, solar cells welding process, inverter and circuit
- Analysis of high and low temperature distribution, temperature uniformity and differences in manufacturing



Overheating junction



Main transformer switch

High voltage wire porcelain set overheating

PRC Technologies Corporation Ltd.
328/65 ซอยลาดพร้าว87 แขวงวังทองหลาง เขตวังทองหลาง 10310
TEL : 02 932 1712, 02 530 1621, FAX : 02 530 1731, MOBILE : 086 486 7760
E-MAIL : info@prctechnologies.co.th