Parameter

ITEMS		LT3	LT7
Detector characteristics	Detector type	Un-cooled FPA micro-bolometer	
	Array size/format	160x120	384x288
Image characteristics	Field of view/min focus distance	25°x19°/0.1m	
	Spatial resolution (IFOV)	2.73mrad	1.37mrad
	Thermal sensitivity	≤0.08℃@30℃	≤0.06℃@30℃
	Frame frequency	50/60Hz	
	Focus	Manual	
	Zoom	X2	
	Spectral range	8-14um	
	Built-in CCD camera	1.3 million pixels, COMS camera modules	
Image display	LCD display	2.7" TFT LCD, 320 x 240	
Measurement	Temperature ranges	-20℃- +350℃	-20℃- +600℃
	Accuracy	±2℃ or ±2% of reading, Whichever is greater	
	Measurement correction	Automatic / manual	
	Measurement mode	Up to 4 movable spots, Up to 3 movable areas(maximum, minimum and average temperatures), Up to 2 movable lines, Line profile, Isotherms, Temperature difference, Alarm(voice, color)	
	Image control	Color palette 11palettes 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	2G SD card, max 16G	
	Storage mode	Manual/Auto single file saving, IR and Visual image link saving	
	File format	Thermal: JPEG with original thermal measurement data included Visual: JPEG	
	Voice annotation	A built-in microphone up to 60 seconds of digital voice clip with each cared thermal imaging	
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 power adaptor 12V(optional) to random charge	
	Power saving	Auto dormancy and auto-shut down	
	External power	10-15V DC	
Environment	Operating temperature	-15℃-- +50℃	
	Humidity	≤90% non-condensing	
	Encapsulation	IP54	
	Drop resistant	2m	
Physical characteristics	Weight	1kg	
	Dimension	105×245×230mm	
Interface	Memory slot	Micro SD card slot	
	External DC input	YES	
	Video output	YES	
	USB	Image, measurement data transfer	

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Analysis Software- Free of Charge

The images shot by LT3&LT7 could be downloaded fastly, and imported to the analysis software, to create WORD-FORM report for all the graphic data analysis.

Application in Electrical & Mechanical Industry

- Security Detection
- Loose Interface Detection
- Component Defective
- Insulation Failure
- HVAC Defective
- Repair Verification

Application in Building Industry

- Fastly Scan Exterior Wall of the Buildings
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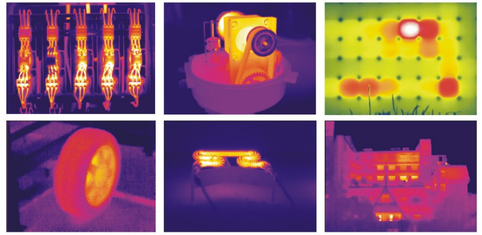
Analysis of Temperature Distribution of High and Low, Temperature Uniformity, Temperature Change in Other Industries Like Architecture, Electronics, and Technologies & Research, Could Call DALI Hotline for More Information.



ZHEJIANG DALI TECHNOLOGY CO.,LTD
Add:639 Binkang Road, Hangzhou, P.R.CHINA 310053
Tel:+86 571 86695603 Fax:+86 571 8669 5600
Web:www.dali-tech.com E-mail:sales@dali-tech.com

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THERMAL IMAGING CAMERA MANUFACTURER

LT3/LT7 series

Superior image quality with 384*288 pixels

DALI LT3/LT7

LT3/LT7 — First Choice for Preventive Maintenance

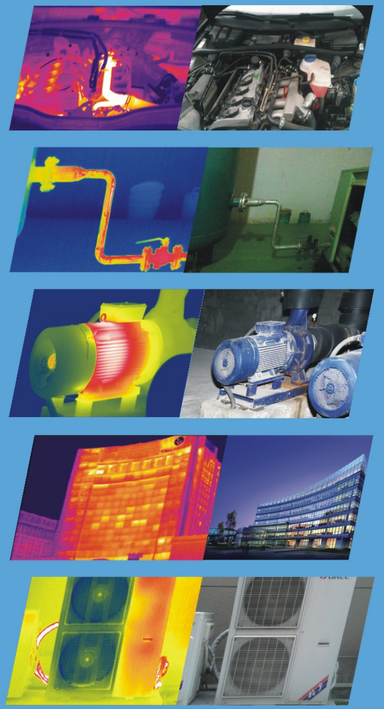
LT3 & LT7 are newly designed handheld tool-like infrared camera with 160×120 and 384 ×288 two different resolution, composed of infrared camera lens, infrared imaging detector module, visible light imaging module, laser module, LCD display, memory card, rechargeable battery, software and hardware processing system.

This infrared camera enjoy features of fast and accurate temperature measurment, user-friendly and rugged design, suit for various of preventive maintenance test.

- 2-meters Drop Resistant
- 1.3 million Pixels CCD Image
- IP54
- Various Temperature Measurement Functions
- JPEG Storage with Voice Annotation
- High Cost-effective

DALI

Applications



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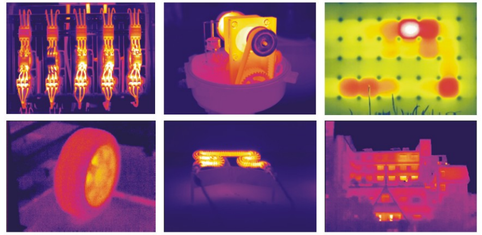

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