Technical Parameter

Items		LT3-P	LT7-P
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 resolution IFOV	2.72mrad	1.36mrad
	Thermal sensitivity	≤0.06℃@30℃	≤0.05℃@30℃
	Frame frequency	50/60Hz	
	Focus	Manual	
	Zoom	2X	
	Spectral range	8-14μm	
	Built-in CCD camera	1,300,000 pixels	3,200,000 pixels
Image display	LCD	3.5" TFT LCD, 640 x 480	
	Image display	IR and Visual image can be shifted fast	
	Image processing	Automatic / manual/ auto-enhancement	
Measurement	Temperature ranges	-20℃- +350℃(can expanded to 650℃)	-20℃- +650℃(can expanded to 1200℃)
	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. 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	2G Micro SD card, max 16G	
	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;	
	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	4 hours continuous operation	
	Battery charging mode	Intelligent charger or car power adaptor 12V	
	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	980g	
	Dimension （W×H×D）	105×245×230mm	
Interface	SD card slot	Micro SD card cassette	
	Power	YES, DC 12V	
	Video output	YES	
	Data transfer	USB	

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

Free-analysis software

LT3-P & LT7 -P series will quickly download record images and import it to the infrared analysis software in which all reports can be done. WORD software could also be used here for editing your own report templates and complete the image data analysis.

Application in electrical & mechanical industry

- Security Detection
- Loose Interface detection
- Component Defective
- Insulation failure
- HVAC Defective
- Repair Verification

Application in New Energy

- Measurement for LED chip, lights temperature and cooling process
- Measurement for hot spots of solar modules, solar cell welding process, the inverter and circuit
- Analysis for other industries like temperature distribution of high and low, temperature uniformity, temperature change

DALI

PROFESSIONAL HANDHELD INFRARED CAMERA TOOLS
—— First choice for preventive maintenance test

LT3-P/LT7-P

LT3-P/LT7-P series

Superior image quality with 384*288 pixels

visual camera

3.5" LCD Screen

Laser module

DALI **LT3-P/LT7-P**

LT3−P/LT7−P —— First Choice For Preventive Maintenance Test

LT3-P & LT7-P are newly designed professional handheld infrared camera tools with 160X120 and 384X288 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 can provide accurate high demand repeated temperature measurement.
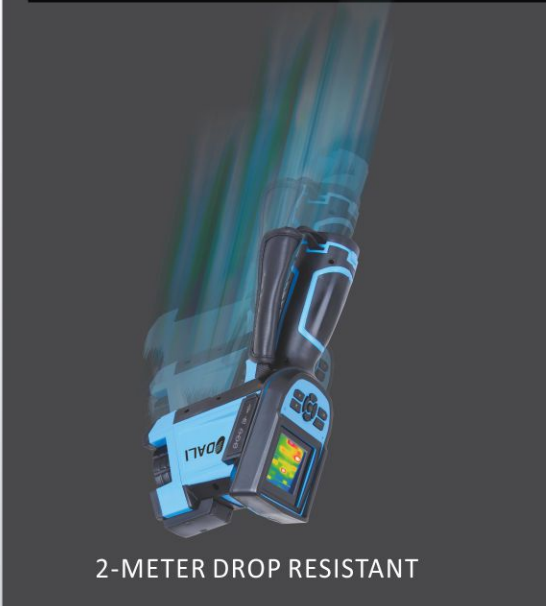
High cost-effective

1.3/3. 2 million pixels ccd image

Various temperature Measurement functions

2-meter drop resistant

Industrial Measurement

Mechanical Industry

Construction Industry

AUDIO ALARM

2-METER DROP RESISTANT