

Technical Parameter

Items	HCL-T3	HCL-T7
Detector	Detector type	Un-cooled FPA micro-bolometer
characteristics	Array size/format	160x120
	Field of view/min focus distance	25° x 19°/0.1m
Image characteristics	Spatial resolution(FOV)	2.72mrad
	Thermal sensitivity	±0.06°C@30°C
	Frame frequency	50/60Hz
	Focus	Manual
Image characteristics	Zoom	2X
	Spectral range	8-14μm
	Built-in CCD camera	1,300,000 pixels
	LCD	3.5" TFT LCD, 640 x 480
Image display	Image display	IR and Visual image can be shifted fast
	Image processing	Automatic / manual/ auto-enhancement
Measurement	Temperature ranges	-20°C- +350°C(can expanded to 650°C) -20°C- +650°C(can expanded to 1200°C)
	Accuracy	±2°C or ±2% of reading, Whichever is greater
Measurement	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)
Measurement	Image control	Color palette 11 palettes changeable
	Setup functions	Image adjustment Auto/manual gain and brightness
Measurement	Emissivity correction	Date/time, temperature unit, language
	Background temperature correction	Variable from 0.01 to 1.0
Measurement	Atmospheric transmission correction	Automatic corrections according to user input
	Storage card	Automatic correction according to user input object distance, humidity and temperature
Image storage	Storage mode	8G Micro SD card, max 16G
	File format	Manual/Auto single file saving, IR and Visual image link saving, fusion recording
Laser pointer	Voice annotation	Thermal: JPEG with original thermal measurement data included.
	Laser locator	Input via built-in microphone up to 60 seconds of digital voice clip per image stored with image
Power source	Battery type	Class 2, 1mw/635nm(red), IEC 60 285
	Battery operating time	Li-Ion, rechargeable
Power source	Battery charging mode	4 hours continuous operation
	Power saving	Intelligent charger or car power adaptor 12V
Environment	External power	Auto- sleep and auto- shut down
	Operating temperature	10-15V DC
Physical characteristics	Humidity	-15°C- +50°C
	Encapsulation	±90% non-condensing
Interface	Drop test	IP54
	Weight	2m
Interface	Dimension (W×H×D)	980g
	SD card slot	105×245×230mm
Interface	Power	Micro SD card cassette
	Video output	YES, DC 12V
Interface	Data transfer	YES
		USB

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

Free-analysis software

HCL-T3&HCL-T7 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

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PROFESSIONAL HANDHELD INFRARED CAMERA TOOLS

— First choice for preventive maintenance test

HCL-T3/HCL-T7



HIMALAYAL PROFESSIONAL
THERMAL IMAGING CAMERA MANUFACTURER



3.5" LCD Screen



visual camera

160x120/384x288
Un-cooled FPA microbolometer

Laser module

Superior image quality with 384x288 pixels

HCL-T3/HCL-T7

HCL-T3/HCL-T7 — First Choice For Preventive Maintenance Test

HCL-T3&HCL-T7 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 million pixels
ccd image



Various temperature
Measurement functions



2-meter drop resistant



AUDIO ALARM



2-METER DROP RESISTANT