

# LT3-P/LT7-P



Items		Technical Specification	
		LT3-P	LT7-P
Detector characteristics	Detector type	Un-cooled FPA micro-bolometer	
	Array size/format	160×120	384x288
Image characteristics	Field of view/min focus distance	25°×19°/0.1m	
	Spatial resolution (IFOV)	2.72mrad	1.36mrad
	Thermal sensitivity	≤0.06°C @30°C	≤0.05°C @30°C
	Frame frequency	50/60Hz	
	Focus	Manual	
	Zoom	X2	
	Spectral range	8-14um	
	Built-in CCD camera	1.3 million pixels	
Image display	LCD display	3.5" TFT LCD, 640 x 480	
Measurement	Temperature ranges	-20□- +350□ (can expanded to 650□)	-20°C- +650°C (can expanded to 1200°C)
	Accuracy	± 2 °C 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	8G 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	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 power adaptor 12V(optional) to random charge
	Power saving	Auto-sleep and auto-shut down
	External power	10-15V DC
Environment	Operating temperature	-15℃-- +50℃
	Humidity	Operating and storage: ≤90% non-condensing
	Encapsulation	IP54
	Drop test	2m
Physical characteristics	Weight	980g
	Dimension	105*245*230mm
Interface	SD card slot	Micro SD card slot
	External DC input	YES
	Video output	YES
	USB	Image, measurement data transfer