T31

Items		Technical Specification
		T31
Detector characteristics	Detector type	Un-cooled FPA micro-bolometer
	Array size/format	160×120
Image characteristics	Field of view/min focus distance	25°×19°/0.1m
	Spatial resolution （IFOV）	2.72mrad
	Thermal sensitivity	≤0.06℃@30℃
	Frame frequency	50/60Hz
	Focus	Manual
	Spectral range	8-14um
Image display	LCD display	3.5" TFT LCD, 640 x 480
Measurement	Temperature ranges	-20℃- +350℃
	Accuracy	± 2 °C or ± 2% of reading, Whichever is greater
	Measurement correction	Automatic / manual
	Measurement mode	1 movable spots, Hottest spot/coldest spot tracking,1 movable areas (maximum, minimum and average

		temperatures),Alarm(voice, color)
	Image control	6 color 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 16G
	Storage mode	Manual/Auto single file saving
	File format	Thermal: JPEG with original thermal measurement data included
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-sleep and auto-shut down
	External power	10-15V DC
Environment	Operating temperature	-15℃-- +50℃
	Storage temperature	-40℃-- +70℃
	Humidity	Operating and storage：≤90％ non-condensing
	Encapsulation	IP54
	Drop test	2m
	Anti-shock	25G，IEC68-2-29
	Vibration resistance	2G，IEC68-2-6
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
	Tripod	1/4”-20-UNC