

Sr.	Description	Qty. (No.)
1	Infrared Camera / Thermal Imaging Camera [Note: Detail specification is attached at page-2-3]	1

Sr. No.	Parameter	Specification
	Suggested Model	FLIR Infrared Camera K8 or any other Infrared Camera fulfilling following specifications
Performance		
1.	IR Resolution	320x 240 pixels
2.	Display	Approx. 3-3.5 inch.
3.	Thermal Sensitivity	<0.06°C/ <60mk or better
4.	Field of view (FOV)	45°x34°
5.	Spectral Range	7.5-14 microns
6.	Spatial Resolution (IFOV)	2.7 mrad or better
7.	Accuracy	The greater of $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of reading in $^{\circ}\text{C}$
8.	Focus	Focus free or manual
9.	Detector type	Focal plane array (FPA) uncooled microbolometer
10.	Image frequency	9 Hz
Measurement		
11.	Object temperature range	At least -20°C to 250°C
12.	Emissivity Correction	Variable from 0.1 to 1
13.	Reflected apparent temperature correction	Automatic
Image Storage		
14.	Storage Capacity	Internal storage or provision of Micro SD card
15.	Picture in picture	IR area on visual image
Software		
16.	Software	Comprehensive image analysis and report generation software
Data Communication Interfaces		
17.	Interfaces	USB Micro: transfer to and from PC
18.	Wireless Connectivity	Not Required (Device should not have option of wireless connectivity)
19.	Bluetooth Connectivity	Not Required

20.	Battery	Rechargeable Li Ion battery
21.	Operation time	Up to 04 hours continuous operation
22.	Power adapter	External 220V, 50Hz AC Battery compact charger
Physical Data		
23.	Camera weight	Not more than 1.1 Kg (2.42 lb)
24.	Packaging, type	Hard Case
Complete System		
25.	In package	<ul style="list-style-type: none"> i. Infrared Camera ii. Battery (2x Nos.) iii. USB cables, connectors, etc. (2 Nos. each) iv. Battery charger (2x Nos.) v. Power supply charger with EU, UK, US and Australian plugs vi. User documentation CD-ROM vii. Printed documentation viii. Certificate of calibration and conformance ix. Hard case x. Pouch with strap xi. Tool belt xii. Software Tool (licensed)
26.	Training	Hands on training of compatible Infrared Camera Software and thermography certification for 01 person.
27.	Warranty of infrared Camera	01 year