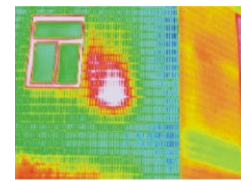
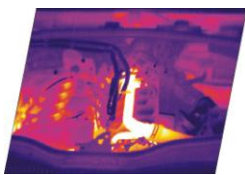


Thermo-Track-IR AT3 / AT7

THERMAL IMAGER



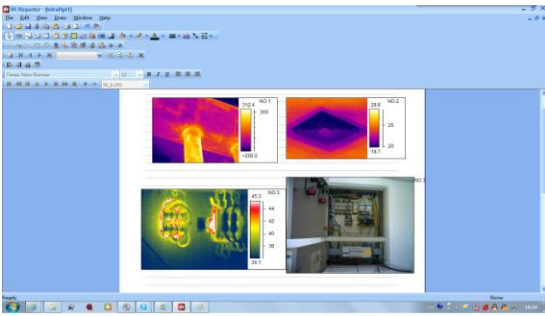
Specification

Items		AT3	AT7
Detector characteristics	Detector type	Un-cooled FPA micro-bolometer	
	Array size/format	160×120	384x288
Image characteristics	Field of view/M in focus distance	25°×19°/0.1m	
	Spatial resolution (IFOV)	2.73mrad	
	Thermal sensitivity	≤0.08℃@30℃	≤0.06℃@30℃
	Frame frequency	50Hz	
	Focus	Manual	
	E- Zoom	x 2	

	Spectral range	8-14um		
	Built-in CCD camera	1.3 million pixels, COMS camera modules		
Image display	LCD display	2.7" TFTLCD, 320×240		
Measurement	Temperature ranges	-20°C - +350°C	-20°C - +600°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. 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 °C/°F/K, language		
	Emissivity correction	Variable from 0.01 to 1.0, or correct it according to predefined form		
	Background temperature correction	Automatic		
Atmospheric transmission correction	Automatic correction according to user input object distance, humidity and temperature			
Image storage	Storage card	2G SD card, max 16G		
	Storage mode	Manual/Auto single file saving, IR and Visual image link saving		
	Thermal image format	JPEG with original thermal measurement data included		
	Visual image format	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)		
Power source	Battery type	Li-Ion, rechargeable		
	Battery operating time	3 hours continuous operation		
	Battery charging mode	Intelligent charger or power adaptor 12V(optional) charge		
	Power saving	Auto-sleep and auto-shut down		
	External power	12V DC		
Environment	Operating temperature	-15°C - +50°C		
	Humidity	≅ 90% (non-condensing)		
	Encapsulation	IP54		
	Drop test	2m		
Physical characteristics	Weight	1Kg		
	Dimension	105mm×245mm×230mm		
Interface	SD card slot	Micro SD		
	External DC input	yes		
	Video output	yes		

Data output

USB



Analysis Software- Free of Charge

The images shot by 3& 7 could be downloaded fastly, and imported to the analysis software, to create WORD-FORM report for all the graphic data analysis.



Spectrum Instruments Ltd
44 Forest Drive, Brighton, ON K0K 1H0 Canada

Phone: 1-800-778-3428

E-mail : info@spectrum-instruments.com

Fax: 1-866-782-0106

www.spectrum-instruments.com