Specifications EIRC1

Model	EIRC1s	EIRC1p
Detector	Uncooled FPA Micro-bolometer	
Array size	160 x 120 pixel	
Field of View/Min. focus distance	12° x 9° / 0.3m	
Spatial resolution	1.3mrad	
Thermal sensitivity	0.10Celsius at 30Celsius	
Frame rate	50Hz	
Focus	Manual	
Spectral range	8 ~ 14µm	
LCD display	Built-in high resolution color 2.5" LCD	
Temperature range	-20 ~ +250Celsius	-20~+250C, ~1000C optional
Accuracy	±2C or ±2% of reading, whichever is greater	
Measurement correction	Automatic / Manual	
Measurement mode	Movable spot, movable area (max. min. average temp.), Isotherm, Alarm (voice, color)	Up to 4 movable spots, up to 3 movable areas (max. min. average temp.), line profile, isotherm, temp. difference, alarm (voice, color)
Image adjustment	Automatic/manual gain and brightness	
Color palette	3 palettes changeable (Iron, rainbow and grey)	11 palettes changeable (Iron, rainbow, grey, etc.)
Set up function	Date, time, temp. unit, language	
Emissivity correction	Variable from 0.01 to 1.0 or select from listings in pre-defined material list	
Ambient temp. correction	Automatic correction according to user's input	
Atmospheric transmission correction	N/A	Automatic correction according to user's input of object distance, relative humidity, ambient temp.
Storage card	Built-in flash memory, up to 100 images	Built-in flash memory, CF card(1G), up to 2000 images
Storage mode	Manual single image saving	Automatic/manual single image saving
File format (thermal)	JPEG; 14 bit thermal measurement data included	
Voice annotation	N/A	Input via built-in microphone, up to 40 seconds of digital voice per image stored with image
Laser pointer	Class 2, 1mw/635nm(red)	
Battery	Li-ion battery rechargeable	
Battery operating time	3 hours continuous operation	
Charging system	Intelligent charger	Intelligent charger or power supply adaptor (optional) online charge
Power saving	Yes	
Operating temperature	-15Celsius ~ +50Celsius	
Humidity	≤90% non-condensing	
Encapsulation	IP54	
External DC input	N/A	Yes
Audio output	N/A	Yes
Video out	N/A	PAL/NTSC
USB	Images and other measured data to PC	Images & other measured data and voice annotation to PC
Dimensions	250mm x 100mm x 72mm	
Weight	0.6KG	