

Specifications EIRC4

Model	EIRC4e	EIRC4s	EIRC4p
Detector	Amorphous silicon micro-bolometer		
Array size	160 x 120 pixel		
Pixel pitch	25µm	35µm	35µm
Field of view	12° x 9°	18° x 13°	18° x 13°
Min. focus distance	0.3m	0.3m	0.3m
Spatial resolution	1.3mrad	1.9mrad	1.9mrad
Thermal sensitivity	0.12Celsius at 30Celsius	0.10Celsius at 30Celsius	0.10Celsius at Celsius
Frame rate	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Focus	Manual	Manual	Manual
Electronic zoom	N/A	N/A	2 x
Spectral range	8 ~ 14µm	8 ~ 14µm	8 ~ 14µm
LCD display	High resolution 2.8" color LCD		
Temperature range	-20~+250Celsius	-20~+250Celsius(extendable to +500Celsius)	
Accuracy	±2Celsius or ±2% of reading, whichever is greater		
Measurement correction	Automatic/Manual	Automatic/Manual	Automatic/Manual
Movable spot	1	1	4
Movable area	N/A	1	3
Area max./min. temp.	N/A	Available	Available
Area average temp.	N/A	Available	Available
Line profile	N/A	N/A	Available
Isotherm	N/A	Available	Available
Temp. difference	N/A	N/A	Available
Alarm (voice, color)	N/A	Available	Available
Color palette	3 palettes changeable	8 palettes changeable	11 palettes changeable
Image adjustment	Automatic/manual gain and brightness		
Setup function	Date, time, temperature unit and language		
Emissivity correction	Variable from 0.01 to 1.00		
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 temperature	
Storage card	Built-in flash memory, up to 100 images	Built-in flash memory, more than 1000 images	Built-in flash memory, 1G SD card, more than 1000 images
Storage mode	Manual single image saving	Automatic/Manual single image saving	
File format (thermal)	JPEG, 14 bit thermal image with measurement data		
Voice annotation	N/A	Input via built-in microphone up to 40 seconds digital voice per image, stored with images	
Laser pointer	Class 2, 1mw/635nm(red)		
Power supply	Li-Ion battery, chargeable, 3 hours continuous operation, power saving available		
Charging system	Intelligent charger or power supply adaptor (optional) online charge		
External power	N/A	DC10~15V	DC10~15V
Ambient temp./Humidity	-15Celsius to +50Celsius / ≤90% non-condensing (Encapsulation: IP54)		
Audio output	N/A	Yes	Yes
Video output	PAL/NTSC		
USB	Transfer image (thermal & visual) & measured data to PC	Transfer image (thermal & visual), measured data and voice to PC	
Dimensions/Weight	197mm x 178mm x 73mm / 0.7KG		

