

## Specifications EIRC3

Model	EIRC3s	EIRC3p
Detector	Amorphous silicon micro-bolometer	
Array size	384 x 288 pixel	
Pixel pitch	35µm	
Field of view/MFD	16° x 12° /0.5m	
Spatial resolution	0.88mrad	
Thermal sensitivity	0.06 Celsius at 30 Celsius	
Frame rate	50/60Hz	
Focus	Manual	
Electronic zoom	N/A	2 x
Spectral range	8~14µm	
Temp. range	-20~+500Celsius	-20~+500Celsius
Accuracy	±2Celsius 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, 3 movable areas (max. min. average temp.), line profile, isotherm, temp. difference, alarm (voice, color)
Color palette	8 palettes changeable	11 palettes changeable
Image adjustment	Automatic/Manual gain and brightness	
Setup function	Date, time, temp. unit, language	
Emissivity correction	Variable from 0.01 to 1.00	
Ambient temp. correction	Automatic correction according to user's input	
Atmospheric transmission correction	Automatic correction according to user's input of object distance, relative humidity, ambient temp.	
Image display	Built-in high resolution 2.8" color LCD	
Storage card	Built-in flash memory, up to 2000 images	Built-in flash memory, CF card, up to 4000 images
Storage mode	Automatic/Manual image saving	
File format (thermal)	JPEG, 14 bit thermal image with measurement data	
Voice annotation	Input via built-in microphone up to 40 seconds digital voice per image, stored with image	
Laser pointer	Class 2, 1mw/635nm(red)	
Battery	Rechargeable Li-Ion	
Battery operating time	3 hours continuous operation	
Charging system	Intelligent charger or power supply adaptor (optional) online charge	
Power saving	Yes	
External power	DC 10~15V	
Operating temperature	-50Celsius ~ +50Celsius	
Humidity	≤90% non-condensing	
Encapsulation	IP54	
Audio output	Yes	
Video output	PAL/NTSC	
USB	Image, measurement data and voice transfer to PC	
Dimensions	303mm x 123mm x 85mm	
Weight	0.91KG	

