



i-Series

Thermal Camera with Android App

The i-series is SATIR newest range of handheld thermal cameras. A fixed screen has replaced our normal flip screen design of cameras offering the end user a wider range of models. Currently two models available i-160 & i-384 (Resolution 160x120 & 384x288 respectively).

There are 4 imaging modes on both models and 7 colour palettes allowing the end-user to select the modes most suitable to their surveys. The temperature measurement range is $-20^{\circ}\text{C} \sim +550^{\circ}\text{C}$ with accuracy of $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of readings. It comes with a rechargeable battery that can be charged using a USB-C which allows for fast charging. The i-series is a very versatile range of handheld thermal cameras that be used in a wide range of applications from mechanical to electrical & power surveying.



Key Features

- 160x120/384x288 IR Detector
- New Fixed Screen Design
- 3.5" Touch Screen
- Android App
- Laser Pointer
- Wi-Fi Connectivity
- Straightforward operation from the box

i-Series Specifications

Thermal Camera	i-160	i-384
Detector Type	UFPA	
Detector Resolution/Min. focus distance	160x120/0.1m	384x288/0.1m
FOV	45°x34°	37.5°x28.5°
Thermal Sensitivity (N.E.T.D)	<0.04°C @25°C	
Spectral Range	7.5~14µm	
Spatial Resolution	2.5 mRad	1.75mRad
Focal Length	6.7mm	9.7mm
Focus Type	Manual	
Colour Palette	7 Colour Palettes includes: Iron red & Rainbow	
Measurement		
Temperature Range	-20°C ~ + 550°C	
Accuracy	±2°C or ± 2% of readings	
Image Presentation		
LCD Display	3.5" LCD Capacitive Touch Screen (640x480 pixels)	
Visual Resolution	High definition CCD, 8 million pixels	
Digital Zoom	1x to 8x	
Frame Rate	25Hz	60Hz
Image Mode	IR/CCD/Fusion/PiP	
System Function		
Laser Pointer	Yes	
Storage	16GB	64GB
Extra Functionality	Wifi, text & voice annotation, illumination	
Physical Characteristics		
Weight	<660g	
Dimensions	244x100x104mm	
Operation Temperature Range	-10°C~50°C	
Humidity	≤95%	
Storage Temperature Range	-40°C~70°C	
Encapsulation	IP54	
Battery Type	Rechargeable Lithium Battery	
Battery Working Time	4 Hours	
Interface	Type-C	
Accessories	Optional Battery, charger, data cable, high-strength shock resistant case	

Please be aware specifications can change without notice