



## 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	160x120	384x288
FOV	25°x19°	37.5°x28.5°
Thermal Sensitivity (N.E.T.D)	50mK@25°C,F#=1.0)	
Spectral Range	8~14µm	
Focal Length	6.7mm	9.7mm
Focus Type	Manual	
Colour Palette	7 Colour Palettes includes: Iron red & Rainbow	
<b>Measurement</b>		
Temperature Range	-20°C ~ + 550°C	
Accuracy	±2°C or ± 2% of readings	
<b>Image Presentation</b>		
LCD Display	3.5" LCD Capacitive Touch Screen	
Digital Zoom	1x,2x,4x	
Frame Rate	25Hz	
Image Mode	IR/CCD/Fusion/PIP	
<b>System Function</b>		
Laser Pointer	Yes	
Storage	16GB	64GB
Extra Functionality	Wifi, text & voice annotation, illumination	
<b>Physical Characteristics</b>		
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