

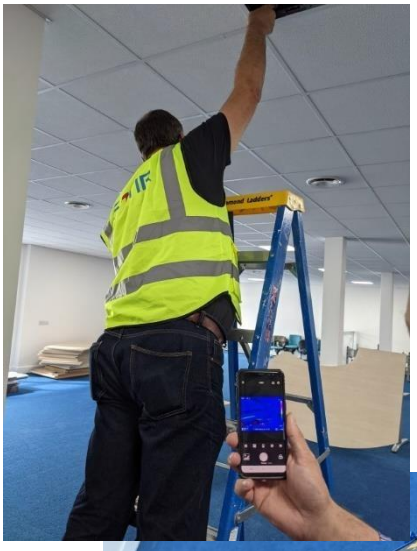
i-640

Performance Thermal Camera

The i-640 is a handheld thermal camera, which comes with an Android App, meaning a second person nearby can see what is being surveyed by the person operating the thermal camera. This can be useful if the area being scanned is a small space such as ceiling panels or areas which are restricted to one person.

The i-series cameras have a fixed screen which replaces our regular flip screen design of cameras, offering the end user a different type of camera display. There are 4 imaging modes and 7 colour palettes allowing the end-user to select the modes most suitable for their surveys. The temperature measurementrange is -20°C ~ + 650°C Optional 1500°C with accuracy of ±2°Cor ± 2% of readings.

It comes with a rechargeable battery that can be charged using a USB-C which allows for fast charging. The i-640 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

- 640x480 IR Detector
- New Fixed Screen Design
- 4” Touch Screen
- Android App
- Laser Pointer
- Wi-Fi Connectivity
- 8MP Digital Camera
- GPS

i-640 Specifications

Thermal Camera	i-640
Detector Type	Uncooled microbolometer
Detector Resolution	640x480
Super Resolution	1280x960
FOV/Min. Focus Distance	24°x18° /0.15m (0.49ft) Additional 14°x10°/1.0 m (3.28 ft)
Thermal Sensitivity (N.E.T.D)	≤ 0.05°C @30°C (50mK)
Spatial Resolution	0.66mrad
Spectral Range	7.5~14μm
Frame Rate	25Hz/30Hz
Focus	Manual and Automatic/Digital Camera with Auto Focus
Digital Zoom	1x to 4x, Continuous
Measurement	
Temperature Range	-40°C ~ + 650°C
Accuracy	±2°C or ± 2% of readings
Colour Palettes	7 Colour Palettes includes: Iron red & Rainbow
Measurement Tools	Auto Hot/Cold Spot, Centre Spot, 3 Movable Spots, 3 Area, Line Analysis
Image Presentation	
LCD Display	4” 640x480 pixels (VGA) Built in Touch Screen
Digital Camera	8 Mpixel
Other Presentation	Fusion, Android App
Image Mode	IR/Visual/Fusion/PiP
Image Storage	
Type	Removable Memory, SD Card 32 GB
Image Format	JPG with measurement data included infrared-only mode
Video	Yes, MP4 (Non-Radiometric Video), RV (Radiometric Video)
Video Connector	Display Port Over USB Type-C
Video Time Lapse	10 second to 24 Hour
Environment Specification	
Operating Temperature Range	-20°C ~ + 50°C
Storage Temperature Range	-20°C ~ + 60°C
Humidity	≤95%
Protective Performance	
Encapsulation	IP 54 (IEC 60529) (IEC 60068-2-27) (IEC 60068-2-6)
Shock/Vibration	25G/2.5G
Physical Characteristics	
Weight	1KG
Dimensions	284.7mmx120.6mmx124.5mm
Power System	
Battery Type	Removable Li-ion battery
Charging System	Two-bay Battery Charger
Ports	
Output Ports	Type USB 2.0, HDMI, Bluetooth, Wifi
Other Features	
Optional Lens	7x5.25°, 14x10°, 48x36° (Self-Calibrated)
Laser Pointer Distance	10 – 50m
GPS & Compass	Yes
Accessories	Manual Book, Hard Transport Case, Protective Bag, Software able to download, update, and Analysis, Spare Rechargeable Battery, Two-bay Battery charger
Warranty	24 Months

Please be aware specifications can change without notice