



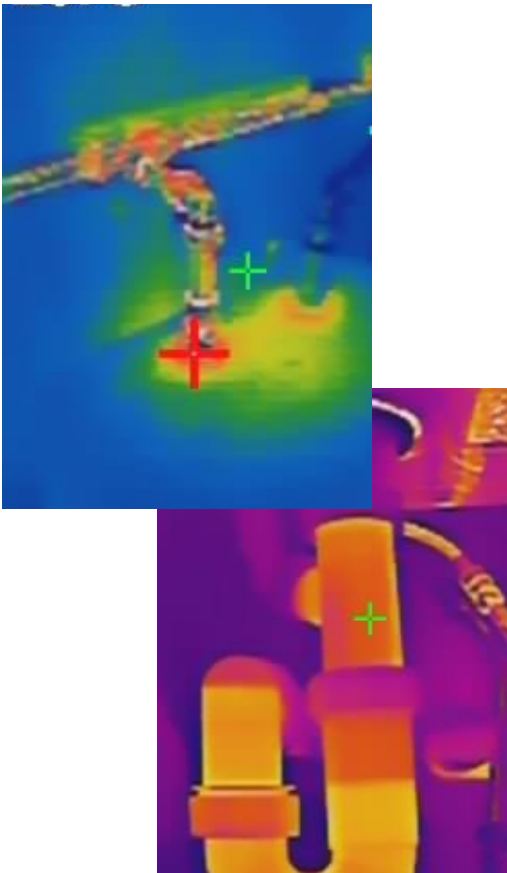
D160 Pro

Entry Level IR Camera

The D160 Pro is SATIR Newest Entry level thermal camera. This model is based on the D160-F that was a camera that became popular during the beginning of the Covid-19 Pandemic. End-Users liked the easy to use interface and lightweight, one-handed operation. Following on from this feedback we developed an industrial model to meet growing demands for a user friendly entry level thermal camera that can be used in surveys for facilities management companies, used by maintenance engineers and tradespeople such as plumbers and electricians. The D160-Pro has a 160x120 IR detector with a temperature measurement range of $-20^{\circ}\text{C} \sim +550^{\circ}\text{C}$. It has a long battery life of up to 8 hours which means it can be used for all-day surveying.

Key Features

- 160x120 IR Detector
- Easy to use
- Thermal Mode Only
- Long Battery Life
- Straightforward operation from the box



D160 Pro Specifications

Thermal Camera	
Detector Type	Vanadium Oxide Uncooled Focal Plane Arrays
Detector Resolution	160x120
Pixel Size	17µm
FOV/Min. Focus Distance	37.2°x50°/15cm
Spatial Resolution	5.4mrad
Thermal Sensitivity (N.E.T.D)	< 40mK@25°C,F#=1.0
Spectral range	8~14µm
Focus Length	3.1mm
Focus Type	Fixed
Measurement	
Temperature Range	-20°C ~ + 550°C
Accuracy	±2°C or ± 2% of readings
Tools	Centre Spot, auto hot/cold
Colour Palette	White hot, Black hot, Iron red, rainbow
Correction	Emissivity/Distance
Image Presentation	
Image Mode	IR Only
LCD Display	2.4" (320x240)
Frame Rate	25Hz
File Format (Thermal)	JPEG
Image Storage	> 160 000 images
Power	
Power Interface	Micro USB Direct Charge
Battery Type	Rechargeable Li-ion Battery
Working Voltage	DC 3.7V(0.4A)
Power Consumption	1.2 W
Battery Life	8 Hours
Environment	
Encapsulation	IP54
Humidity	10% to 95%, non-condensing
Operating Temperature	-10°C~+50°C
Storage Temperature	-40°C~+70°C
Shock	25G
Vibration	2G
Physical Characteristics	
Weight	350g including battery
Dimensions	96x78x59mm
Tripod Mount	1/4" _20
Additional Features	
Laser Pointer	Yes
Languages	English/German/French/Russian/Korean/Spanish/Portuguese Italian/Japanese/Hungarian/Czech/Slovak/Polish/Romanian Danish/Turkish/Traditional_Chinese

Please be aware specifications can vary from time to time

