



TIC-1000 Thermal Imaging Camera

Model # TIC-1000



TIC-1000 Thermal Camera

Product Overview

The Eagle Eye TIC-1000 Thermal Imaging camera is a portable, rugged infrared camera designed for use in a variety of applications including preventative maintenance, construction, medical, & more. Using an uncooled focal plane infrared detector, the camera displays a thermal image as a multi-color image with user selectable color palette, sensitivity, and span. Images can be stored on the micro SD card and subsequently transferred to a PC for analysis and report generation as needed.

Features

- 2 meters (6.5 ft) drop resistant
- 1.3 million pixels CCD image
- IP54, dust & splash water protected
- JPEG storage with voice annotation
- 11 user selectable languages
- Hot & cold temperature spot measurements with 4 additional removable spot measurements
- Reflected temperature compensation
- Measurement offset correction

Technical Specifications

Measurement Range	-20 – 350°C (-4 – 662°F)
Accuracy	± 2 °C or ± 2% of reading, whichever is greater
Laser Pointer	Class 2, 1mw/635nm(red), IEC 60 285
Display	3.5" TFT LCD, 320 x 240
Memory / Image Format	16GB micro SD card, max 16GB / JPEG
Power Requirements	Li-Ion rechargeable, 3 hours continuous use
Dimensions	105 x 245 x 230 mm (4 x 9.6 x 9 in)
Weight	1 kg (2.2 lbs)

Detector & Image Specifications

Operating Environment	-15 – 50°C (5 – 122°F), ≤90% Humidity
Detector Type	Un-cooled FPA micro-bolometer
Array Size/Format	160 x 120 pixels
FOV / Min. Focus Distance	25° x 19° / 10 cm (3.8 in)
Spatial Resolution (IFOV)	2.73mrad
Thermal Sensitivity	≤0.08°C@30°C
Frame Frequency	50/60 Hz
Focus / Zoom	Manual / 2X
Spectral Range	8 – 14 um
Built-in CCD Camera	1.3 million pixels, COMS camera modules



TIC-1000 Kit Includes:

- Thermal imaging camera with wrist strap & lens cover
- Carrying case
- Video out cable
- (2) lithium ion batteries
- Battery charger
- TF card & card reader
- USB drive with manual & software

Ordering Information

No.	Model #	Description
1	TIC-1000	Thermal Imaging Camera with carrying case and standard accessories