

TIC-500 Thermal Imaging / IR Camera



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Product Overview

The Eagle Eye TIC-500 Thermal Imaging Camera is a portable, rugged infrared camera designed for use in a variety of applications including preventative maintenance, construction, medical, and more. Using an uncooled focal plane infrared detector, the camera displays a thermal image as a multi-color image with user-selected 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.

Thermographic cameras (infrared cameras) detect radiation in the infrared range of the electromagnetic spectrum, that of which is invisible to the human eye. Infrared cameras are vital because they produce images called thermograms which allow us to view the radiated heat being emitted by an object. The TIC-500 is used as a preventative maintenance & safety tool in a vast variety of industries. Save money & troubleshooting time while improving up-time and safety with thermal imaging cameras.

Product Features

- Real-time thermal imaging
- Hot & cold temperature spot measurements
- Reflected temperature compensation
- Measurement offset correction



TIC-500 Display & Keypad

Technical Specifications

Measurement Range:	-20 - 300°C (-4 - 572°F)
Accuracy:	± 2°C or ± 2% of reading, whichever is greater
Display:	2.4" LCD
Memory / Image Format:	16GB micro SD card
Power Requirements:	41.5V (AA Battery), ≤ 6 hours battery life
Dimensions:	62 x 212 x 95 mm (2.4 x 8.3 x 3.7 in)
Weight:	320 g (0.71 lbs)
Operating Environment:	-5 - 40°C (23 - 104°F), ≤ 80% humidity
Array Size / Format:	80 x 60 pixels
FOV / Min. Focus Distance:	20° x 20° / 50 cm (19.6 in)
Thermal Sensitivity	0.15°C
Frame Frequency:	6 Hz
Spectral Range:	8-14µm
Accessories	Soft pouch, 4 (AA) batteries, USB with manual

Kit Includes

- TIC -500 Thermal Imaging Camera
- Carrying Case
- (4) AA Batteries
- SD Card
- Management Software
- User Manual

Ordering Information

No.	Model #	Description
1	TIC-500	6 Hz Thermal Imaging Camera with standard accessories