



FLIR T360

NEW!

# Thermal Imaging Camera for Scanning Elevated Body Temperatures

- Built-in “Automatic Temperature Compensator” (ATC) accounts for changes in ambient conditions, allowing for optimal use in hot or cold or changing environments
- “Color Alarming” makes it easy for operators to identify the “hot persons within a crowd”
- Portable, Hand-held operation, No PC needed
- “Threshold Fusion” allows operators to work in a visible – or “camcorder” – mode while still preserving “color alarming,” making it easier for operators to identify persons with a visible image – just like a digital camera
- Extremely accurate temperature measurement to  $\pm 2^{\circ}\text{C}$  or 2% of reading
- Maintenance-free, Uncooled, Microbolometer Detector



Handheld T360 infrared camera showing “threshold fusion” with “color alarming.”

## FLIR T360 Features

- **Instant, Remote, Non-contact Temperature Measurement** — Identify persons with elevated body temperatures.
- **Automatic Temperature Compensator (ATC)** — Automatically normalizes for variations in ambient temperatures (i.e. room temperature), allowing operators to correctly identify “out-of-norm” persons with elevated body temperatures. This proprietary algorithm makes it easy for operators to “pick the hot persons out of a crowd.”
- **Color Alarming** — The “color alarming” feature allows operators to set a predetermined “threshold temperature,” for example of 38°C. When the camera detects a body temperature of 38°C or higher, it automatically colors that area of the face in a color of your choosing – say bright red as the image at the top of this page shows. This further helps the operator to “see” the prospect of an elevated body temperature quickly and more easily.

- **Threshold Fusion** — This allows the operator to view individuals through a FLIR camera much like one would do with an ordinary video camcorder, however, the thermal temperature data and color alarming features are set in the background. In this case, if an individual bears a body temperature of, for example, over 36°C, the camera would automatically “color” that section of the persons face – yellow in this picture to the right.
- **FLIR T-series telethermographic cameras, as designated by the FDA under Section 510 (k), for the following indications of use:**
  - > The FLIR devices are intended for use as an adjunct to other clinical diagnostic procedures in the diagnosis, quantifying, and screening of differences of skin surface temperature changes.
  - > It can visualize, document temperature patterns and changes.
  - > The environments of use are: hospitals, sub-acute, public areas (i.e. airports), etc.

- **Training** — FLIR manages the world’s largest infrared camera training organization, the Infrared Training Center or ITC. Expert guidance and training as well as post-sale technical support is available for deployments of FLIR thermal imagers for elevated body temperature detection. We offer training and post-sale technical and customer support worldwide.



Handheld T360 with “threshold fusion” and “color alarming” in visible camera mode.



Lightweight, ergonomic, and easy to use!

## FLIR T360 Specifications

Features	T360
Temperature range	-20°C to 350°C
Image Storage	1000 Images (SD card memory)
Imaging Performance / Image Presentation	
Field of view/min focus distance	25° X 19°/0.4m
Focus Manual/Automatic	Manual/Automatic
Thermal sensitivity (N.E.T.D)	<60mk at 30°C
Detector Type - Focal plane array (FPA) uncooled microbolometer	320 X 240 pixels
Spectral range	7.5 to 13µm
Display	Built-in touch-screen 3.5" color LCD
Image modes	Thermal/Visual/Fusion
Lens	25° (optional 15° and 45° lenses available)
Specifications	
Laser Classification/Type	Class 2/Semiconductor AlGaInP Diode Laser: 1mW/635nm (red)
Set-up controls	Mode selector, color palettes, configure info to be shown in image, local adaptation of units, language, date and time formats, and image gallery
Measurement modes	Special preconfigured screening mode for elevated body temperature scanning
Measurement correction	Reflected ambient temperature & emissivity correction
Battery Type/operating time	Li-Ion/ >4 hours, Display shows battery status
Charging system	In camera AC adapter/2 bay charging system
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6
Dimensions/Weight	4.2x7.9x4.9" (106x201x125mm)/0.88kg, including battery

Thermal imaging scanning to detect elevated body temperature will vary with various factors and should not be relied upon as the sole determinant of a person's body temperature, whether or not they have a fever, or if they pose a health hazard. Use of additional medical devices and/or healthcare professionals will be needed to properly diagnose the condition of persons in any health screening assessment to identify elevated body temperature for any persons.

**FLIR Systems Co., Ltd**  
**Headquarter Asia Pacific**  
 Room 1613 -1616, 16/F, Tower II, Grand Central Plaza,  
 138 Shatin Rural Committee Road, Shatin, New Territories, Hong Kong  
 Tel: (852) 2792 8955 Fax: (852) 2792 8952  
 Email: flir@flir.com.hk Website: www.FLIR.com/THG

Copyright © 2009 FLIR Systems, Inc. All rights reserved including the right of reproduction in whole or in part in any form. 05-07-09 10:30PM

