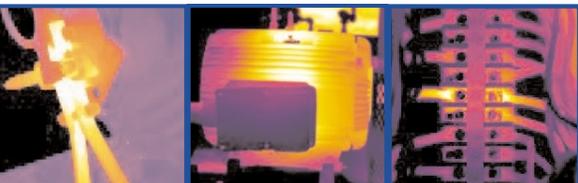


ThermaCAM[®] E2

The ThermaCAM[®] E2 is the smallest, smartest infrared camera ever built. Affordable and easy-to-use, the E2 offers non-contact temperature measurement, crisp thermal imaging and in-field JPEG image storage.



- ULTRA-COMPACT
- AFFORDABLE
- CRISP, HIGH-QUALITY IMAGES
- EASY-VIEW INTEGRAL 2.5" LCD
- ACCURATE TEMPERATURE MEASUREMENT
- BUILT-IN LASER LOCATIR™
- JPEG IMAGE STORAGE
- DOWNLOAD IMAGES EASILY TO A PC
- EASY-TO-OPERATE

FIND PROBLEMS FAST

Find faults in electrical and mechanical systems quickly and view crisp thermal images on the 2.5" color LCD. Highlight and analyze problems, store images and share results with your colleagues in the field.

INSTANT NON-CONTACT TEMPERATURE MEASUREMENT

Determine the true operating condition of your electrical targets, safely and accurately. Distinguish between connections that can compromise component reliability and plant safety from those operating normally. Measure any one of the 19,000 picture elements in each image.

RUGGED, ERGONOMIC & LIGHTWEIGHT

Hold in your hand, clip to your belt or place in your toolbox, the E2 weighs just 1.5 lbs. It is the lightest IR measurement camera in the world. Dust and splash proof, the E2 meets IP 54 standards and withstands harsh industrial environments.

FLEXIBLE JPEG IMAGE STORAGE

Store and recall up to 50 JPEG thermal images together with measurement results in the camera's on-board memory. Recall, analyze and share your findings with others in the field using the camera's LCD.

PINPOINT PROBLEMS WITH PRECISION

The built-in Laser LocatIR™ quickly helps you associate the hot spot on the IR image with the real physical target. This feature greatly enhances worker safety by eliminating the tendency to "finger point" at problems in low and high voltage electrical environments.

VIEW SENSITIVE THERMAL IMAGES AT STANDARD TV RATES

A maintenance-free, state-of-the-art uncooled FPA infrared detector produces highly sensitive thermal images that allow you to find subtle temperature variations that can signal significant electrical problems. TV rate imaging (60hz) allows you to quickly scan bus ducts or moving targets that cannot be imaged with still shot cameras.

DOWNLOAD AND DOCUMENT

Download thermal images with measurements to your PC quickly with ThermaCAM Connect™ software and standard USB or serial cables. Document your findings simply by inserting JPEGs into your favorite word processing programs.

SMART POWER MANAGEMENT

Lightweight, longlife Li-Ion battery assures uninterrupted inspections. E2 includes an internal battery charger and car/truck charger adapter.

IMPROVE PLANT SAFETY

Poor electrical connections are the leading cause of fires. The E2 detects electrical problems before they become critical, helping you increase safety, reduce production downtimes, and eliminate potential fires.

IMAGING PERFORMANCE

Field of view/min focus distance	25° x 19° / 0.3 m
Thermal sensitivity	0.12°C
Detector type	Focal plane array (FPA) uncooled microbolometer
Spectral range	7.5 to 13 µm

IMAGE PRESENTATION

Display	2.5" color LCD, 16K colors
Video Output	NTSC, standard RCA composite video
Image Controls	Palettes (Iron, Rainbow, B/W, B/W inv), Level, Span Auto adjust (continuous/manual)

MEASUREMENT

Temperature range	-20°C to +250°C (-4°F to +482°F)
Accuracy	± 2 °C or ± 2% of absolute temperature in °C
Measurement modes	Movable spot, area max, area min, area average, color alarm above or below
Set-up controls	Date/time, Temperature units °C/°F, Language (English, Spanish), Scale, Info field, LCD intensity (high/normal/low)
Measurement corrections	Emissivity and reflected ambient. Automatic, based on user-input

IMAGE STORAGE

Digital storage functions	Freeze, Standard JPEG images, Delete all images, Delete image, Open
Image storage capacity	Approximately 50 JPEG

LASER LOCATOR™

Classification	Class 2
Type	Semiconductor A1 GaInP Diode Laser: 1mW/635 nm (red)

POWER SOURCE

Battery type	Li-Ion
Battery operating time	1.5 hours. Display shows battery status
Battery charging	In camera, AC adapter or 12V from car with optional 12V cable. Optional 2 bay intelligent charger
AC operation	AC adapter, 90-260VAC, 50/60Hz/12VDC out
Voltage	11-16VDC
Power saving	Automatic shutdown and sleep mode (user-selectable)

ENVIRONMENTAL

Operating temperature range	-15°C to +45°C (+5°F to 113°F)
Storage temperature range	-40°C to +70°C (-40°F to 158°F)
Humidity	Operating and storage 20% to 80%, non-condensing, IEC 359
Water and dust resistant (encapsulation)	IP 54
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6

PHYSICAL CHARACTERISTICS

Weight	< 1.5 lbs. (0.7 kg) including battery
Size (L x W x H)	265mm x 80mm x 105mm (10.4" x 3.2" x 4.1")
Color	Titanium grey
Tripod mounting	Standard, 1/4" - 20
Cover case	Plastic and rubber

INTERFACES

USB	Image transfer to PC
RS 232 cable (optional)	Image transfer to PC



THERMACAM® E2 SYSTEM INCLUDES:

- IR camera
- Ruggedized transport case
- Power supply
- Hand strap
- Lens cap
- ThermaCAM® Connect™ Software
- USB cable
- User manual
- Power cord
- Battery
- Training CD



Infrared is the only technology that can accurately and quickly locate faults before failures, shutdowns, or even fires occur.



The Global Leader in Infrared Cameras

1-800-GO-INFRA
www.flirthermography.com/E2data

FLIR SYSTEMS, BOSTON
Americas Thermography Center
16 Esquire Road
North Billerica, MA 01862
Telephone: +1 (978) 901-8000
Toll Free: +1 (800) GO-INFRA

FLIR SYSTEMS, AB
Worldwide Thermography Center
Rinkebyvagen 19
SE-182 11
Danderyd, SWEDEN
Telephone: +46 (0) 8 753 25 00

FLIR SYSTEMS, LTD
5230 South Service Road, Suite 125
Burlington, ON L7L 5K2
CANADA
Telephone: +1 800 613 0507