



**Test Equipment Depot**  
  
 1-800-517-8431

5 Commonwealth Ave  
 Woburn, MA 01801  
 Phone 781-665-1400  
 Toll Free 1-800-517-8431

Visit us at [www.TestEquipmentDepot.com](http://www.TestEquipmentDepot.com)

# FLIR E8 PRO™

Pro-Series Infrared Camera  
 with Ignite™ Cloud



### Key Features:

- See impending failures sooner with FLIR MSX® (Multi-Spectral Dynamic Imaging), which provides extraordinary thermal imaging details
- Improve inspection efficiency using the 640 × 480 touchscreen: add detailed notes to images and stream video
- Store and share images using FLIR Ignite™ cloud service, and create reports with Ignite or FLIR Thermal Studio

### Main Applications:

- Industrial inspections of electrical and mechanical equipment
- Condition monitoring of degrading equipment before failure
- Building inspections to ensure energy efficiency

## SPECIFICATIONS

Inspection Efficiency	
MSX (Multi-Spectral Dynamic Imaging)	IR image enhanced with visible camera detail
FLIR Ignite	Instant upload to cloud storage over Wi-Fi
FLIR Thermal Studio Suite	Compatible with full range of analysis and reporting software
Capacitive Touchscreen	Access to onscreen menus, features, and keyboards
Text	Text annotation on image using onscreen keyboard
Gallery	Thumbnails and custom folder structure
Imaging and Optical	
IR Resolution	320 × 240 (76,800 pixels)
Thermal Sensitivity/NETD	<0.05°C (0.09°F) / <50 mK
Focus	Fixed focus
Image Frequency	9 Hz
Color Palettes	Iron, White hot, Black hot, Rainbow, Arctic, Lava, Rainbow HC
Digital Camera	5 MP
Picture-in-Picture	IR area on visual image
Detector Type	Uncooled microbolometer
Field of View (FOV)	33°
F-number	1.4
Image Modes	Thermal MSX, Thermal, Picture-in-Picture, Thermal blending, Digital camera
Minimum Focus Distance	0.36 m (1.18 ft)
Spatial Resolution (IFOV)	1.8 mrad
Spectral Range	7.5 μm to 13 μm

Measurement & Analysis	
Accuracy	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (50°F to 95°F) and object temperature above 0°C (32°F)
Object Temperature Range	-20°C to 550°C (-4°F to 1022°F) in two ranges
Measurements Correction	Emissivity; matt/semi-matt/semi-gloss + custom value, reflected apparent temperature, atmospheric compensation
Set-up Commands	Local adaptation of units, language, date and time formats
Spot Meter	Center spot; box with min/max
User Interface	
Display	3.5 in, 640 × 480 color LCD
Flashlight	Bright LED
Power	
Battery Operating Time	4 hours
Battery Type	Rechargeable Lithium-ion battery
Charging System	Battery is charged inside the camera or in specific charger
Charging Time	2 h
Power Management	Automatic shutdown

This product is subject to United States export regulations and may require US authorization prior to export, reexport, or transfer to non-US persons or parties. Diversion contrary to US law is prohibited.

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## SPECIFICATIONS, CONT.

Environmental & Certifications	
Certifications	UL, CSA, CE, PSE and CCC, WEEE 2012/19/EC, RoHs 2011/65/EC
EMC	EN 301 489-1 EN 301 489-17 EN 61000-6-3 EN 61000-6-2 FCC 47 CFR Part 15 Class B
Humidity (Operating and Storage)	IEC 60068-2-30/24 h 95% relative humidity
Operating Temperature Range	-15°C to 40°C (5°F to 122°F)
Wi-Fi	Standard: 802.11 a/b/g/n (2.4 GHz and 5 GHz)
Shock	25 g (IEC 60068-2-27)
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)
Vibration	2 g (IEC 60068-2-6)
General	
Camera Size (L x W x H)	244 mm x 95 mm x 140 mm (9.6 in x 3.7 in x 5.5 in)
Camera Weight (including battery)	0.590 kg (1.30 lb)
List of Contents	Infrared camera, hard transport case, battery (inside camera) + extra battery, USB cable, power supply/charger with EU, UK, US and Australian plugs, battery charger, FLIR Thermal Studio Starter, and printed documentation
Packaging Size	385 mm x 165 mm x 315 mm (15.2 in x 6.5 in x 12.4 in)
Storage Media	Internal memory and onboard FLIR Ignite™ cloud connectivity (with Wi-Fi)

## ACCESSORIES

Wearable Accessories
Pouch for FLIR E-Series (T911689ACC)
Pouch with Shoulder Strap (T198529)
Tool Belt (T911093)
Batteries & Chargers
Battery Charger (T198531)
Battery Li-ion 3.6 V, 2.6 Ah, 9.4 Wh (T199362ACC)
Power Supply (T198534)
Cables & Adapters
USB Cable, USB-A to USB-C (T911940ACC)
Straps & Holsters
Tool Belt (T911093)
Software
FLIR Thermal Studio Suite for PC
FLIR Tools Mobile App for iOS and Android
FLIR Ignite Cloud
Services
Extended Warranty

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