FLIR

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FLIR E6 PRO

Pro-Series Infrared Cameras
with Ignite™ Cloud

Key Features:

- Quickly recognize where problems are located thanks to FLIR MSX® (Multi-Spectral Dynamic Imaging), which embosses key visual details onto thermal images
- Save time spent on manual adjustments with 1-Touch Level/Span
- Improve inspection efficiency using the 640 × 480 touchscreen, with the ability to add detailed notes to each image
- Edit, store, organize, and share images using the FLIR Ignite cloud service
- Create quick reports in FLIR Ignite from any device, or create advanced reports in FLIR Thermal Studio from a PC

Main Applications:

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

www.flir.com/ex-pro

SPECIFICATIONS

	E6 Pro
Features	
IR Resolution	240 × 180 (43,200 pixels)
Thermal Sensitivity/NETD	<0.05°C (0.09°F) / <50 mK at 30°C (86°F)
Spatial Resolution (IFOV)	2.5 mrad
Inspection Efficiency	
Multi Spectral Dynamic Imaging (MSX)	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 keyboard
Text	Text annotation on image using onscreen keyboard
Gallery	Thumbnails and custom folder structure
1-Touch Level/Span	Yes; automatic contrast enhancement
Imaging & Optical	
Field of view (FOV)	33° × 25°
Focus	Focus free
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

	E6 Pro
Imaging & Optical Continued	
Image Modes	Thermal MSX, thermal, picture-in-picture, digital camera
Minimum Focus Distance	0.36 m (1.18 ft)
Spectral Range	7.5–13 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.
Isotherm	Above alarm, below alarm
Delta T	Yes, NFPA 70B compliant
User Interface	
Display	3.5 inch, 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 shut-down

Specifications subject to change. For the most up-to-date specifications, please visit flir.com.

SPECIFICATIONS, CONT.

	E6 Pro
Environmental & Certifications	
Drop Test	2 m (6.6 ft)
Encapsulation	IP54 (IEC 60529)
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 50°C (5°F to 122°F)
Wi-Fi	Standard: 802.11 a/b/g/n (2.4 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 × W × H)	244 mm × 95 mm × 140 mm (9.6 in × 3.7 in × 5.5 in)
Camera Weight (including battery)	0.590 kg (1.30 lb)
Packaging Size	385 mm × 165 mm × 315 mm (15.2 in × 6.5 in × 12.4 in)
Storage Media	Internal memory and onboard FLIR Ignite™ cloud connectivity with Wi-Fi
Package Includes	Infrared camera, hard transport case, battery (inside camera), power supply (with EU, UK, US and AU plugs), FLIR Thermal Studio Starter, and printed documentation

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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 (T911630ACC)
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
Services
Extended Warranty

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