

## FLIR Ex PRO-SERIES

Pro-Series Infrared Cameras with Ignite™ Cloud



#### **SPECIFICATIONS**

	E5 Pro	E6 Pro	E8 Pro		
Unique Features by Model					
IR Resolution	160 × 120 (19,200 pixels)	240 × 180 (43,200 pixels)	320 × 240 (76,800 pixels)		
Thermal Sensitivity/NETD	<0.06°C (0.11°F) /<60 mK at 30°C (86°F)	<0.05°C (0.09°F) /<50 mK at 30°C (86°F)	<0.04°C (0.07°F) /<40 mK at 30°C (86°F)		
Spatial Resolution (IFOV)	3.7 mrad	2.5 mrad	1.8 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				

### 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

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	E5 Pro	E6 Pro	E8 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 & Analys	sis			
Accuracy	$\pm 2^{\circ}\text{C}$ ( $\pm 3.6^{\circ}\text{F})$ or $\pm 2\%$ 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 400°C (-4°F to 752°F) in two ranges	-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.

For more information contact: Sales@TeledyneFLIR.com or to find your local support number, visit: flir.com/contactsupport www.teledyneflir.com

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# **FLIR Ex PRO-SERIES**

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#### **SPECIFICATIONS**, CONT.

	E5 Pro	E6 Pro		E8 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 $\times$ W $\times$ 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, batte camera), power supp EU, UK, US and AU pl Thermal Studio Start printed documentatio	ry (inside ly (with lugs), FLIR er, and	transport camera) + tabletop c supply (wi AU plugs) FLIR Theri	amera, hard case, battery (inside extra battery, tharger, power ith EU, UK, US and , micro USB adapter, mal Studio Starter, ed 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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