Key Features

- App-based functionality that enables efficient and secure inspections to maintenance workers at any skill level.
- Direct cloud integration with Flir Ignite™ or Assetlink via Wi-Fi or LTE (i35 & i65 only) for immediate uploading, organization, and sharing of data as well as seamless reporting and analysis.
- Crystal-clear thermal images with up to 480 × 640 resolution and Flir-patented MSX® enhancement, which embosses visible details onto thermal images for faster problem identification.

Main Applications

- Electrical and mechanical inspections across industrial and utility environments, enabling early fault detection and reduced downtime.
- Enterprise-level condition monitoring programs with asset hierarchy, cloud-based data management, and team-wide collaboration.
- Building diagnostics and facility maintenance, including moisture detection, HVAC performance checks, and energy loss assessments.

Specifications

Model	Flir i34	Flir i35
Imaging and optical data		
IR resolution	240 × 320 pixels	
Thermal sensitivity/ NETD	<40 mK at 30°C (86°F)	
Field of view (FOV)	38° × 49°	
Minimum focus distance	0.5 m	
Spatial resolution (IFOV)	2.9 mrad	
F-number	1.4	
Image frequency	30 Hz	
Focus	Fixed focus	
Spectral range	7.5–13 µm	
Color palettes	Iron, White hot, Black hot, Rainbow, Arctic, Lava, Rainbow HC	
User interface		
Display	5 in. 720 × 1280 color LCD	
Touch screen	Capacitive touch	
Text	Text annotation on image using onscreen keyboard	
Flashlight	Manually activated bright LED	
Image adjustment	Automatic/Manual	

Model	Flir i34	Flir i35
Laser pointer		
Laser	Class 2	
Laser alignment	Position of laser pointer automatically displayed on the infrared image	
Image presentation modes		
Image modes	MSX, Thermal, Picture-in-Picture, Digital camera	
Measurement		
Camera temperature range	−20°C to 200°C (−4 to 392°F) 10°F to 450°C (50°F to 842°F)	
Accuracy	±2°C (±3.6°F) or ±2%	
Measurement analysis		
Spotmeter	Center spot, box with min./max.	
Isotherm	Above, Below	
Delta T	Yes, NFPA 70B compliant	
Emissivity correction	Variable from 0.1 to 1.0	
Emissivity table	Emissivity table of predefined materials	
Measurements correction	Emissivity, matt/semi-matt/semi-gloss + custom value, reflected apparent temperature, atmospheric compensation	
1-touch level/span	Yes; automatic contrast	

Specifications, cont.

Model	Flir i34	Flir i35
Storage of images		
File formats	Standard JPEG, 14-bit measurement data included	
Storage media	Internal memory, onboard Flir Ignite cloud and Assetlink connectivity	
Digital camera		
Digital camera, resolution	8 MP, Autofocus	
Digital camera, FOV	50.5° × 64.5°	
Data communication interfaces		
Interfaces	USB-C: Data transfer to and from PC and Mac device Display port over USB-C	
Wi-Fi	IEEE 802.11 a/ac/b/g/n (2.4 and 5 GHz)	
Cellular	No	Yes
Radio		
Operating frequency	WLAN 2.4 GHz: 2412 to 2462 MHz WLAN 5 GHz: 5150 to 5250 MHz	
Power system		
Battery type	Rechargeable Lithium-ion battery	
Battery operating time	4 hours at 25°C (77°F) ambient temperature and typical use	
Charging system	Battery is charged inside the camera or in specific charger (included)	
Charging time	2 hours in charger / 4 hours to 90% capacity in-camera	
Power management	Automatic shut-down	
AC operation	Optional accessory: 45 W AC adapter, 100 V to 240 V AC input, 15 V DC, 3 A output to camera	
Environmental and certifications		
Drop test	2 m (6ft 7 in)	
Encapsulation	IP54 IP54(IEC 60529)	
Operating temperature range	−15°C to 50°C (5°F to 122°F)	
Storage temperature range	−40°C to 70°C (−40°F to 158°F)	
Humidity (operating and storage)	IEC 60068-2-30/24 h 95% relative humidity	
EMC	EN 301 489-1, EN 301 489-17, EN 61000-6-3, EN 61000-6-2, FCC 47 CFR Part 15 Class B	
Radio spectrum	ETSI EN 300 328 ETSI EN 301 893 FCC 47 CFR part 15 RSS-247	
Shock	25 g (IEC 60068-2-27)	
Vibration	2 g (IEC 60068-2-6)	

Model	Flir i34	Flir i35
Physical data		
Camera weight, incl. battery	0.8 kg (1.76 lb)	
Camera size (L × W × H)	225 × 136 × 73 mm (8.9 × 5.4 × 2.9 in)	
Color	Black	
Shipping information		
Packaging type	Cardboard box	
Package includes	Infrared camera with battery Extra battery Battery charger USB-C cable Printed documentation Hard transport case Wrist strap	
Packaging, weight	3.1 kg (6.83 lbs)	
Packaging, size	385 × 165 × 315 mm (15.2 × 6.5 × 12.4 in)	
P/N	18455-1101	18455-0101

Scan below to learn more about Flir ixx-series
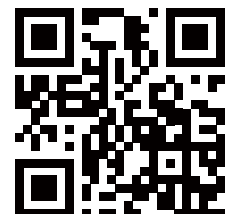
Specifications subject to change. For the most up-to-date specifications, visit flir.com.au

For technical or sales support, please visit:
www.support.flir.com.au/iXX