

Flir iXX-Series

App-Enabled Thermal Camera

www.flir.com/ixx-series



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 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 i64	
Imaging and optical data			
IR resolution	240 × 320 pixels	480 × 640 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	1.4 mrad	
F-number	1.4		
Image frequency	30	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 × 12	80 color LCD	
Touch screen	Capaciti	ve touch	
Text	Text annotation on image using on-screen keyboard		
Flashlight	Manually activated bright LED		
Image adjustment	Automatic/Manual		

Model	Flir i34	Flir i64
Laser pointer		
Laser	Class 2	
Laser alignment	Position of laser pointer automatically displayed on the infrared image	
Image presentation mod	es	
Image modes	MSX, Thermal, Picture-ii	n-Picture, Digital camera
Measurement		
Camera temperature range	-20°C to 200°C (-4°F to 392°F) 10°F to 450°C (50°F to 842°F)	-20°C to 200°C (-4°F to 392°F) 10°C to 550°C (50°F to 1022°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 70	OB compliant
Emissivity correction	Variable from 0.1 to 1.0	
Emissivity table	Emissivity table of p	oredefined materials
Measurements correction	Emissivity, matt/semi-matt/semi-gloss + custom value, reflected apparent temperature, atmospheric compensation	
1-touch level/span	Yes; automatic contrast	



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Specifications, cont.

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Storage of images		
File formats	Standard JPEG, 14-bit me	easurement data included
Storage media		ard Flir Ignite cloud and onnectivity
Digital camera		
Digital camera, resolution	8 MP, Ai	utofocus
Digital camera, FOV	50.5° >	< 64.5°
Data communication inte	erfaces	
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)
Radio		
Operating frequency		2412 to 2462 MHz 150 to 5250 MHz
Power system		
Battery type	Rechargeable Lit	hium-ion battery
Battery operating time		imbient temperature and al use
Charging system		the camera or in specific included)
Charging time		nours to 90% capacity mera
Power management	Automatic	shut-down
AC operation	Optional accessory: 45 240 V AC input, 15 V DO	W AC adapter, 100 V to C, 3 A output to camera
Environmental and certif	ications	
Drop test	2 m (6	ft 7 in)
Encapsulation	IP54 IP54(EC 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		39-17, EN 61000-6-3, EN CFR Part 15 Class B
Radio spectrum	ETSI EN FCC 47 C	300 328 301 893 FR part 15 -247
Shock	25 g (IEC 6	0068-2-27)
Vibration	2 g (IEC 6	0068-2-6)
Physical data		

Model	Flir i34	Flir i64
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	18455-1201

Scan below to learn more about Flir iXX-series



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

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

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