

	<p>FLIR i3</p> <p>Affordable infrared camera with high quality image, high accuracy, focus free viewing, and storage on miniSD card.</p> <p>Key features:</p> <ul style="list-style-type: none"> Extremely lightweight, 0.34 kg (0.75 lb.) 2% high accuracy and thermal sensitivity of 0.1°C Large 2.8 in. color LCD with quality images saved on miniSD card Long, 5 hour battery life Focus free lens for quick and convenient viewing 	<p>FLIR i5</p> <p>Affordable infrared camera with high quality image, high accuracy, focus free viewing, and storage on miniSD card.</p> <p>Key features:</p> <ul style="list-style-type: none"> Extremely lightweight, 0.34 kg (0.75 lb.) 2% high accuracy and thermal sensitivity of 0.1°C Large 2.8 in. color LCD with quality images saved on miniSD card Long, 5 hour battery life Focus free lens for quick and convenient viewing 	<p>FLIR i7</p> <p>Affordable infrared camera with 120x120 pixel iPA with high quality image, high accuracy, area max/min, isotherm (above/below), focus free viewing, and storage on miniSD card.</p> <p>Key features:</p> <ul style="list-style-type: none"> Extremely lightweight, 0.34 kg (0.75 lb.) 2% high accuracy and thermal sensitivity of 0.1°C Area (max/min), isotherm(above/below) or centerspot measurement Large 2.8 in. color LCD with quality images saved on miniSD card Long, 5 hour battery life Focus free lens for quick and convenient viewing
Specifications:			
Imaging and optical data			
Field of view (FOV)	12.5° × 12.5°	21° × 21°	29° × 29°
Minimum focus distance	0.6 m (2 ft.)	0.6 m (2 ft.)	0.6 m (2 ft.)
Spatial resolution (IFOV)	3.71 mrad	3.71 mrad	3.71 mrad
Thermal sensitivity/NETD	< 0.15°C (0.27°F)	< 0.1°C (0.18°F)	< 0.1°C (0.18°F)
Image frequency	9 Hz	9 Hz	9 Hz
Focus	Focus free	Focus free	Focus free
Detector data			
Detector type	Focal plane array (FPA), uncooled microbolometer	Focal plane array (FPA), uncooled microbolometer	Focal plane array (FPA), uncooled microbolometer
Spectral range	7.5–13 µm	7.5–13 µm	7.5–13 µm
IR resolution	60 × 60 pixels	100 × 100 pixels	140 × 140 pixels
Image presentation			
Display	2.8 in. color LCD	2.8 in. color LCD	2.8 in. color LCD
Image adjustment	Automatic adjust/lock image	Automatic adjust/lock image	Automatic adjust/lock image
Measurement			
Object temperature range	-20°C to +250°C (-4°F to +482°F)	-20°C to +250°C (-4°F to +482°F)	-20°C to +250°C (-4°F to +482°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (+50°F to 95°F)	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (+50°F to 95°F)	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (+50°F to 95°F)
Measurement analysis			
Spotmeter	Center spot	Center spot	Center spot
Area	N/A	N/A	Box with max./min.
Isotherm	N/A	N/A	Above/below
Emissivity correction	Variable from 0.1 to 1.0	Variable from 0.1 to 1.0	Variable from 0.1 to 1.0
Emissivity table	Emissivity table of predefined materials	Emissivity table of predefined materials	Emissivity table of predefined materials
Reflected apparent temperature correction	Automatic, based on input of reflected temperature	Automatic, based on input of reflected temperature	Automatic, based on input of reflected temperature
Set-up			
Color palettes	Black and white, iron and rainbow	Black and white, iron and rainbow	Black and white, iron and rainbow
Set-up commands	Local adaptation of units, language, date and time formats	Local adaptation of units, language, date and time formats	Local adaptation of units, language, date and time formats
Storage of images			
Image storage type	miniSD card	miniSD card	miniSD card
File formats	Standard JPEG, 14-bit measurement data included	Standard JPEG, 14-bit measurement data included	Standard JPEG, 14-bit measurement data included
Data communication interfaces			
Interfaces	USB Mini-B: Data transfer to and from PC	USB Mini-B: Data transfer to and from PC	USB Mini-B: Data transfer to and from PC
Power system			
Battery type	Rechargeable Li Ion battery	Rechargeable Li Ion battery	Rechargeable Li Ion battery
Battery voltage	3.6 V	3.6 V	3.6 V
Battery operating time	Approx. 5 hours at +25°C (+77°F) ambient temperature and typical use	Approx. 5 hours at +25°C (+77°F) ambient temperature and typical use	Approx. 5 hours at +25°C (+77°F) ambient temperature and typical use
Charging system	Battery is charged inside the camera.	Battery is charged inside the camera.	Battery is charged inside the camera.
Charging time	3 h to 90% capacity	3 h to 90% capacity	3 h to 90% capacity
Power management	Automatic shut-down	Automatic shut-down	Automatic shut-down
AC operation	AC adapter, 90–260 VAC input, 5 V output to camera	AC adapter, 90–260 VAC input, 5 V output to camera	AC adapter, 90–260 VAC input, 5 V output to camera
Environmental data			
Operating temperature range	0°C to +50°C (+32°F to +122°F)	0°C to +50°C (+32°F to +122°F)	0°C to +50°C (+32°F to +122°F)
Storage temperature range	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)
Humidity (operating and storage)	IEC 60068-2-30/24 h 95% relative humidity	IEC 60068-2-30/24 h 95% relative humidity	IEC 60068-2-30/24 h 95% relative humidity
EMC	EN 61000-6-2:2005 (Immunity) EN 61000-6-3:2007 (Emission) FCC 47 CFR Part 15 Class B (Emission)	EN 61000-6-2:2005 (Immunity) EN 61000-6-3:2007 (Emission) FCC 47 CFR Part 15 Class B (Emission)	EN 61000-6-2:2005 (Immunity) EN 61000-6-3:2007 (Emission) FCC 47 CFR Part 15 Class B (Emission)
Encapsulation	Camera housing and lens: IP 43 (IEC 60529)	Camera housing and lens: IP 43 (IEC 60529)	Camera housing and lens: IP 43 (IEC 60529)
Bump	25 g (IEC 60068-2-29)	25 g (IEC 60068-2-29)	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)	2 g (IEC 60068-2-6)	2 g (IEC 60068-2-6)
Physical data			
Camera weight, incl. battery	0.34 kg (0.75 lb.)	0.34 kg (0.75 lb.)	0.34 kg (0.75 lb.)
Camera size (L × W × H)	223 × 79 × 83 mm (8.8 × 3.1 × 3.3 in.)	223 × 79 × 83 mm (8.8 × 3.1 × 3.3 in.)	223 × 79 × 83 mm (8.8 × 3.1 × 3.3 in.)
Material	Polycarbonate + acrylonitrile butadiene styrene (PC-ABS) Thaomold magnesium Thermoplastic elastomer (TPE)	Polycarbonate + acrylonitrile butadiene styrene (PC-ABS) Thaomold magnesium Thermoplastic elastomer (TPE)	Polycarbonate + acrylonitrile butadiene styrene (PC-ABS) Thaomold magnesium Thermoplastic elastomer (TPE)
Color	Black	Black	Black
Certifications			
Certification	UL, CSA, CE, PSE and CCC	UL, CSA, CE, PSE and CCC	UL, CSA, CE, PSE and CCC
Scope of delivery			
Packaging, type	Hard case	Hard case	Hard case
Packaging, contents	FLIR Tools™ CD-ROM Printed Getting Started Guide User documentation CD-ROM Calibration certificate Hand strap Battery (inside camera) Power supply/charger with EU, UK, US and Australian plugs USB cable miniSD card (2GB), with SD card adapter	FLIR Tools™ CD-ROM Printed Getting Started Guide User documentation CD-ROM Calibration certificate Hand strap Battery (inside camera) Power supply/charger with EU, UK, US and Australian plugs USB cable miniSD card (2GB), with SD card adapter	FLIR Tools™ CD-ROM Printed Getting Started Guide User documentation CD-ROM Calibration certificate Hand strap Battery (inside camera) Power supply/charger with EU, UK, US and Australian plugs USB cable miniSD card (2GB), with SD card adapter