



### Key Features

- Superior thermal imaging quality with the 320 × 240 (76,800 pixels) true thermal imager for faster and more accurate analysis to find faults and anomalies
- Flir-patented MSX® enhancement, which embosses visible details onto thermal images for faster problem identification
- Isotherm instantly detects if temperature of equipment is exceeding a set threshold

### Main Applications

- Electrical and mechanical maintenance
- HVAC, building diagnostics and restoration
- Electric vehicle inspections

## Specifications

Imaging and optical data	
IR resolution	320 × 240 pixels
Thermal sensitivity/ NETD	<50 mK
Field of view (FOV)	35° × 27°
Minimum focus distance	0.4 m (1.3 ft)
Spatial resolution (IFOV)	2.0 mrad/pixel
F-number	1.4
Image frequency	9 Hz
Focus	Focus free
Digital zoom	Yes, zoom pinch, 1 to 4× continuous
Detector data	
Detector type	Focal plane array, uncooled microbolometer
Spectral range	7.5–13 μm
Detector pitch	12 μm
Image presentation	
Display resolution	640 × 480 pixels
Screen size	3.5 in
Aspect ratio	4:3
Auto orientation	Yes
Touch screen	Yes, capacitive
Display technology	IPS

Image adjustment	Automatic level and span / Manual level and span / 1-Touch level and span
Image modes	Infrared image / Visual image / MSX / Picture-in-picture (IR area on visual image)
Gallery	Yes, incl. thumbnails and custom folder structure
Measurement	
Object temperature range	-20°C to 450°C (-4°F to 842°F)
Accuracy at ambient temperature	<ul style="list-style-type: none"> <li>• 0°C to 100°C (32°F to 212°F): ±2°C (±5.5°F)</li> <li>• 100°C to 450°C (212°F to 842°F): ±2%</li> </ul>
Measurement analysis	
Measurement functions	Spot / Box with max. and min. / Isotherm
Measurements correction	Emissivity; matt/semi-matt/semi-glossy + custom value / Reflected apparent temperature / Atmospheric compensation
Color palettes	Iron, Gray, Rainbow, Arctic, Lava, Rainbow HC
Service functions	
Camera software update	Automatic over Wi-Fi / USB via computer
Storage of images	
Storage media	Internal memory and onboard Flir Ignite™ cloud connectivity with Wi-Fi
Image storage capacity	>5000 sets of images
Image file format	Standard JPEG, 14-bit measurement data included



## Specifications, cont.

Image annotations	
Text	Soft keyboard on touchscreen, auto-prompt for note when image is saved
Video streaming	
Non-radiometric video streaming	Yes; MSX, Thermal, Visual, Picture-in-Picture. USB video class colorized uncompressed with overlay 9 Hz
Digital camera	
Resolution	5 MP
Focus	Fixed
Field of view	71.5° × 56° (84° diagonal)
Video lamp	Yes
Data communication interfaces	
Wi-Fi	802.11 a/b/g/n (2.4 and 5 GHz)
USB	USB 2.0, Type-C connector
Bluetooth	Yes
Power system	
Battery type	Rechargeable lithium-ion battery (built-in)
Battery operating time	3 hours
Charging system	USB-C
Charging time	2 hours
Power management	Adjustable stand-by and automatic shut-down
Environmental data	
Operating temperature range	-10°C to 50°C (14°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 25°C to 40°C (77°F to 104°F) / 2 cycles
Relative humidity	95% relative humidity 25°C to 40°C (77°F to 104° F) non-condensing
EMC	<ul style="list-style-type: none"> <li>EN 301 489-1 RED</li> <li>EN 301 489-17</li> <li>FCC 47 CFR Part 15 B, Class B</li> </ul>

Encapsulation	Camera housing and lens: IP54 (IEC 60529)
Vibration	2 g (IEC 60068-2-6)
Drop	Designed for 2 m (6.56 ft)
Environmental safety	<ul style="list-style-type: none"> <li>REACH Regulation EC 1907/2006</li> <li>RoHS2 Directive 2011/65/EC</li> <li>WEEE Directive 2012/19/EC</li> <li>Proposition 65</li> </ul>
Physical data	
Weight	0.19 kg (0.42 lb)
Size (L × W × H)	138 × 84 × 34 mm (5.4 × 3.3 × 0.94 in)
Tripod mounting	UNC ¼"-20
Housing material	PC and ABS, partially covered with TPE / Aluminum
Packaging, contents	Flir C8, documentation, wrist strap lanyard, USB cable, pouch

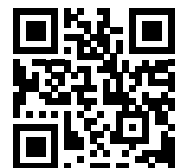
## Ordering Information

Model	Description
18801-0101	Compact 320 × 240 Thermal Camera with MSX and Flir Ignite Enabled

## Accessories

Model	Description
T911940ACC	USB 2.0 A to USB Type-C cable, 1.0 m (black)
T300341	Flir Thermal Studio Standard, 1 year subscription
T8510155	Flir Ignite Pro 100 GB with professional reporting, 1 year subscription
T850118	Flir Ignite 10 GB, 1 year subscription
T850116	Flir Ignite 100 GB, 1 year subscription
T132572ACC	Flir C8 Pouch
PROTECT-C8	Flir Protect 3 Year Extended Warranty for Flir C8

Scan below to learn more about Flir C8



For technical or sales support, please visit:  
[www.support.flir.com/C8](http://www.support.flir.com/C8)

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## Geautoriseerd Service Centrum

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## Kalibratielaboratorium

Het laboratorium in Nederland beschikt over een RvA accreditatie naar EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij accreditatienummer K105. RvA kalibratiecertificaten zijn internationaal geaccepteerd en is gelijkwaardig aan BELAC.



## Mobiele Service

Naast de vaste kalibratielaboratoria in Zaventem en Capelle aan den IJssel beschikken wij ook over een laboratorium op wielen met de naam "Mobiele Service". Dit biedt vertrouwde service en kwaliteit, bij u voor de deur!

## KWS®

KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal ([mijnkws.be](http://mijnkws.be)) heeft u altijd en overal beschikking over uw kalibratiecertificaten.

## Verhuur van meetinstrumenten

- Uitgebreid assortiment
- Nauwkeurigheid aantoonbaar door actueel kalibratiecertificaat
- Deskundig advies
- Complete levering inclusief accessoires

## EURO-INDEX Academy

- Trainingen, seminars en workshops
- Demonstratie- en instructievideo's
- Application notes



Servicebalie



Onderhoud, reparatie en kalibratie



Trainingen en seminars



Mobiele Service

Wijzigingen voorbehouden EURO-INDEX® VL 23001



**BELGIË**  
Leuvensesteenweg 607  
1930 Zaventem  
T: 02 - 757 92 44  
F: 02 - 757 92 64  
[sales@euro-index.be](mailto:sales@euro-index.be)  
[www.euro-index.be](http://www.euro-index.be)

**NERLAND**  
Rivium 2e straat 12  
2909 LG Capelle a/d IJssel  
T: +31 - (0)10 - 2 888 000  
F: +31 - (0)10 - 2 888 010  
[verkoop@euro-index.nl](mailto:verkoop@euro-index.nl)  
[www.euro-index.nl](http://www.euro-index.nl)

