



# FLIR C3 (incl. Wi-Fi)

**P/N: 72003-0303**

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**Website**

<http://www.flir.com>

**Customer support**

<http://support.flir.com>

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Imaging and optical data	
NETD	100 mK
Field of view	41° × 31°
Minimum focus distance	<ul style="list-style-type: none"><li>Thermal: 0.15 m (0.49 ft.)</li><li>MSX: 1.0 m (3.3 ft.)</li></ul>
Focal length	1.54 mm (0.061 in.)
Spatial resolution (IFOV)	11 mrad
F-number	1.1
Image frequency	9 Hz
Focus	Focus free

  

Detector data	
Focal Plane Array	Uncooled microbolometer
Spectral range	7.5–14 μm
Detector pitch	17 μm
IR sensor size	80 × 60

  

Image presentation	
Display (color)	<ul style="list-style-type: none"><li>3.0 in.</li><li>320 × 240 pixels</li></ul>
Display, aspect ratio	4:3
Auto orientation	Yes
Touch screen	Yes, capacitive
Image adjustment (alignment calibration)	Yes

  

Image presentation modes	
Infrared image	Yes
Visual image	Yes
MSX	Yes
Gallery	Yes
Picture in Picture	IR area on visual image



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<b>Measurement</b>	
Object temperature range	-10°C to +150°C (14 to 302°F)
Accuracy	±2°C (±3.6°F) or 2%, whichever is greater, at 25°C (77°F) nominal.
<b>Measurement analysis</b>	
Spotmeter	On/off
Area	Box with max./min.
Emissivity correction	Yes; matt/semi-matt/semi-glossy + custom value
Measurements correction	<ul style="list-style-type: none"><li>Emissivity</li><li>Reflected apparent temperature</li></ul>
<b>Set-up</b>	
Color palettes	<ul style="list-style-type: none"><li>Iron</li><li>Rainbow</li><li>Rainbow HC</li><li>Gray</li></ul>
Set-up commands	Local adaptation of units, language, date and time formats
Languages	Arabic, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Simpl. Chinese, Spanish, Swedish, Trad. Chinese, Turkish.
<b>Lamp</b>	
Output power	0.85 W
Field of view	60°
<b>Service functions</b>	
Camera software update	Using FLIR Tools
<b>Storage of images</b>	
Storage media	Internal memory store at least 500 sets of images
Image file format	<ul style="list-style-type: none"><li>Standard JPEG</li><li>14-bit measurement data included</li></ul>
<b>Video streaming</b>	
Non-radiometric IR video streaming	Yes
Visual video streaming	Yes
<b>Digital camera</b>	
Digital camera	640 × 480 pixels
Digital camera, focus	Fixed focus
<b>Data communication interfaces</b>	
Wi-Fi	Peer-to-peer (ad hoc) or infrastructure (network)
USB, connector type	USB Micro-B: Data transfer to and from PC
USB, standard	USB 2.0



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<b>Radio</b>	
Wi-Fi	<ul style="list-style-type: none"><li>• Standard: 802.11 b/g/n</li><li>• Frequency range:<ul style="list-style-type: none"><li>◦ 2400–2480 MHz</li><li>◦ 5150–5260 MHz</li></ul></li><li>• Max. output power: 15 dBm</li></ul>
<b>Power system</b>	
Battery type	Rechargeable Li-ion polymer battery
Battery voltage	3.7 V
Battery operating time	2 h
Charging system	Charged inside the camera
Charging time	1.5 h
External power operation	<ul style="list-style-type: none"><li>• AC adapter, 90–260 VAC input</li><li>• 5 V output to camera</li></ul>
Power management	Automatic shut-down
<b>Environmental data</b>	
Operating temperature range	–10°C to +50°C (14 to 122°F)
Storage temperature range	–40°C to +70°C (–40 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>• WEEE 2012/19/EC</li><li>• RoHs 2011/65/EC</li><li>• C-Tick</li><li>• EN 61000-6-3</li><li>• EN 61000-6-2</li><li>• FCC 47 CFR Part 15 Class B</li></ul>
Radio spectrum	<ul style="list-style-type: none"><li>• ETSI EN 300 328</li><li>• FCC 47 CSR Part 15</li><li>• RSS-247 Issue 2</li></ul>
Magnetic fields	EN 61000-4-8
Battery regulations	UL 1642
Encapsulation	Camera housing and lens: IP 40 (IEC 60529)
Shock	25 g (IEC 60068-2-27)
Vibration	2 g (IEC 60068-2-6)
Drop	2 m (6.6 ft.)
<b>Physical data</b>	
Weight (incl. Battery)	0.13 kg (0.29 lb.)
Size (L × W × H)	125 × 80 × 24 mm (4.9 × 3.1 × 0.94 in.)
Tripod mounting	No
Housing material	<ul style="list-style-type: none"><li>• PC and ABS, partially covered with TPE</li><li>• Aluminum</li></ul>
Color	Black and gray



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Shipping information	
Packaging, type	Cardboard box
List of contents	<ul style="list-style-type: none"><li>• Infrared camera</li><li>• Lanyard</li><li>• Pouch</li><li>• Power supply/charger with EU, UK, US, CN and Australian plugs</li><li>• Printed documentation</li><li>• Tripod mount</li><li>• USB cable</li></ul>
Packaging, weight	TBD
Packaging, size	175 × 110 × 105 mm (6.9 × 4.3 × 4.1 in.)
EAN-13	4743254002845
UPC-12	845188014094
Country of origin	Estonia