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## FLIR C5 Compact Thermal Imaging Camera



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### Product Downloads

**Measurement Tools:**

Spotmeter; box with min./max.

**Standard Measurement Temperature (°C):**

-20 to 400°C (-4 to 752°F)

**Spectrum:**

Thermal

### General

**Operating Lifetime (hours):**

4 hours

**Model Number:**

Cx Series

54° x 42° **Field of View (°):**

**Contents of Kit:**  
Thermal Camera, USB Cable, Wrist Strap Lanyard,  
Carrying Pouch, Printed Documentation

**Operating Modes:**  
Infrared image, Visual image, MSX, Picture-in-picture  
(IR area on visual image)

## Physical & Mechanical Properties

**Dimensions (mm):**  
138 x 84 x 24 mm (5.4 x 3.3 x 0.94 in)

**Weight (g):**  
0.19 kg (0.42 lb)

**Accuracy (%):**  
At ambient temp. 15 to 35°C (59 to 95°F) and object  
temp. above 0°C (32°F), 0 to 100°C (32 to 212°F):  
±3°C (±5.5°F), 100 to 400°C (212 to 752°F): ±3%

**Drop Test:**  
2 m (6.6 ft)

## Optical Properties

**Resolution:**  
5 MP

**Spectral Range:**  
8–14 µm

**Focus Range (mm):**  
Focus free

**Color:**  
Iron, Gray, Rainbow, Arctic, Lava, Rainbow HC

## Performance

**Thermal Resolution (Pixels):**  
160 x 120 (19,200 pixels)

**Minimum Focus Distance (m):**  
Thermal: 0.1 m (3.94 in), MSX: 0.3 m (11.8 in)

## Electrical

**Frequency (Hz):**  
8.7 Hz

**Sensitivity (W<sup>2</sup>):**  
<70 mK

**Charging Time (minutes):**  
120

**Battery Type:**  
Rechargeable built-in Lithium ion battery

## Hardware & Interface Connectivity

**Connector:**  
USB-C (1 A)

## Threading & Mounting

**Mount:**  
Tripod: UNC ¼"-20 (built-in)

## Environmental & Durability Factors

**Operating Temperature (°C):**  
-10 to 50°C (14 to 122°F)

**Storage Temperature (°C):**  
-40 to 70°C (-40 to 158°F)

**Environmental Rating:**  
Camera housing and lens: IP54 (IEC 60529)

## Additional Info

**Measurement Correction:**  
Emissivity, matte/semi-matte/semi-gloss + custom  
value, Reflected apparent temperature, Atmospheric  
compensation

## Regulatory Compliance

**Certificate of Conformance:**  
[View](#)

## Product Details

- Compact, Lightweight Thermal Imagers for Field Use
- Touchscreen Interface with Built-in Flashlight and Point-and-Shoot Operation

- Durable, Drop-Tested, and Waterproof Design
- Wi-Fi for fast Sharing and Reporting

The FLIR Cx Series delivers compact, easy-to-use thermal imaging for industrial inspections, maintenance, and troubleshooting. With touchscreen operation, built-in flashlights, and rugged, drop-tested designs, these cameras are built for durability and fast on-the-job use. The C3-X (128 × 96 resolution) offers an affordable option for quick diagnostics and basic troubleshooting, while the C5 (160 × 120 resolution) provides greater image detail and higher temperature range for more advanced inspections. Both models feature built-in Wi-Fi for quick image sharing and reporting directly from the field. Lightweight, portable, and simple to operate, the Cx Series is ideal for technicians who need reliable thermal imaging that fits easily into daily workflows.

Model	C3-X	C5
Resolution	128 × 96 (12,288 pixel)	160 × 120 (19,200 pixel)
Temp Range	-20 to 300°C (-4 to 572°F)	-20 to 400°C (-4 to 752°F)
Thermal sensitivity	<0.07°C	<0.07°C

**Accuracy:** At ambient temp. 15°C to 35°C (59°F to 95°F) and object temp. above 0°C (32°F), 0°C to 100°C (32°F to 212°F): ±3°C (±5.5°F); 100°C to 300°C (212°F to 572°F): ±3%