COMM-CO
Communication today and tomorrow

COMPACT THERMAL CAMERA

FLIR C5™

The FLIR C5 compact thermal camera is your go-to tool for building inspections, facilities maintenance, HVAC/R, electrical repair, and other troubleshooting applications. Featuring a thermal camera, visual inspection camera, and LED flashlight, the powerful FLIR C5 makes it easy to identify hidden problems. Built-in FLIR Ignite™ cloud connectivity allows direct data transfer, storage, and backup, so images are always available on all your devices. The 3.5 inch integrated touchscreen is simple to use, so you can quickly inspect, document repairs, and share evidence with customers. With the FLIR C5 in your pocket, you'll be ready anytime to find hot fuses, air leaks, plumbing issues, and more.

www.flir.com/C5

FIND AND TROUBLESHOOT

Quickly find hidden faults and reduce diagnostic time with this powerful, professional tool

- Identify and troubleshoot problems faster with the 160 × 120 true thermal imager and 5-megapixel visual camera
- Save time on manual thermal adjustments using 1-Touch Level/Span, which auto-adjusts the level and span in an area of interest with one touch
- Instantly recognize the location of a temperature issue with FLIR MSX® (Multi-Spectral Dynamic Imaging), which uses scene details from the built-in visual camera and embosses them onto the full thermal image

DOCUMENT AND SHARE

Pinpoint and communicate potential issues faster

- Upload directly to FLIR Ignite to conveniently store, organize, and back-up images
- Identify and describe potential issues by adding annotations to images
- Share findings easily and securely by sending a password-protected link via email
- Provide customers professional reports with images that document problems and repairs using preferred software, such as FLIR Thermal Studio

RUGGED, RELIABLE, AND COMPACT

Take the portable, affordable C5 with you to every job – it's the perfect tool for every person on your team

- IP54 enclosure provides a high level of protection against dust and water
- Designed to withstand a 2 m (6.6 ft) drop
- Carry the compact C5 in your pocket or stow easily in a crowded tool bag
- See into dark, difficult-to-reach areas with the help of the bright LED flashlight

SPECIFICATIONS

Overview	
IR sensor	160 × 120 (19,200 pixels)
Thermal sensitivity/NETD	<70 mK
Field of view (FOV)	54° × 42°
Minimum focus distance	• Thermal: 0.1 m (3.94 in) • MSX®: 0.3 m (11.8 in)
Image frequency	8.7 Hz
Focus	Focus free
Spectral range	8–14 µm
Screen size	3.5 in
Visual camera	5 MP
Digital camera focus	Fixed
Image Presentation	
Image adjustment	• Automatic level and span • Manual level and span • 1-Touch level and span
Image modes	• Infrared image • Visual image • MSX (Embossed visual details on thermal image) • Picture-in-picture (IR area on visual image)
Gallery	Thumbnails and custom folder structure
Color palettes	• Iron • Gray • Rainbow • Arctic • Lava • Rainbow HC
Screen rotation	Yes
Touchscreen	Capacitive touch
Measurement & Analysis	
Object temperature range	-20 to 400°C (-4 to 752°F)
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%
Measurement functions	• Spot • Box with max./min.
Measurement correction	• Emissivity; matt/semi-matt/semi-gloss + custom value • Reflected apparent temperature • Atmospheric compensation

Image Storage & Streaming	
Storage media	Internal memory and onboard FLIR Ignite cloud connectivity (with Wi-Fi)
Image storage capacity	>5000 images
Image file format	Standard JPEG, 14-bit measurement data included
Communication & Connectivity	
Wi-Fi®	802.11 a/ac/b/g/n (2.4 and 5 GHz)
USB	USB 2.0, Type-C connector
Bluetooth®	PAN
Image upload	Directly upload images to FLIR Ignite cloud library and services
Additional Information	
Battery type	Rechargeable built-in Lithium ion battery
Battery operating time	4 hours
Charging system	USB-C (1 A)
Charging time	2 hours
External power operation	5 V, USB-C
Operating temperature range	-10 to 50°C (14 to 122°F)
Storage temperature range	-40 to 70°C (-40 to 158°F)
Encapsulation	Camera housing and lens: IP54 (IEC 60529)
Drop test	Designed for 2 m (6.6 ft)
Weight (including battery)	0.19 kg (0.42 lb)
Size (L × W × H)	138 × 84 × 24 mm (5.4 × 3.3 × 0.94 in)
Tripod mounting (built-in)	UNC ¼"-20

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