

COMPACT THERMAL CAMERA

FLIR C3-X



The FLIR C3-X compact thermal camera is an affordable, professional inspection tool for building, facilities maintenance, HVAC/R, electrical repair, and other troubleshooting applications. Featuring a thermal camera, visual inspection camera, and LED flashlight, the powerful FLIR C3-X 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 C3-X in your pocket, you'll be ready anytime to find hot fuses, air leaks, plumbing issues, and more.

www.flir.com/C3-X



IDENTIFY AND TROUBLESHOOT

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

- Identify and troubleshoot problems faster with the 128 × 96 (12,288 pixels) true thermal imager and 5-megapixel visual camera
- Instantly recognize the location of a temperature issue with FLIR MSX® (Multi-Spectral Dynamic Imaging), which extracts scene details from the built-in visual camera and embosses them onto the full thermal image
- See into dark, difficult-to-reach areas with the help of the bright LED flashlight



DOCUMENT AND SHARE

Upload images and data quickly, then communicate findings easily with customers

- 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, COMPACT

Take the portable, affordable C3-X with you to every job

- 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 C3-X in your pocket or stow easily in a crowded tool bag

SPECIFICATIONS

Overview	C3-X
IR sensor	128 × 96 (12,288 pixels)
Thermal sensitivity/NETD	<70 mK
Field of view (FOV)	53.6°
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
Digital camera	5 MP
Digital camera focus	Fixed
Image Presentation	
Image adjustment	Automatic level and span Manual 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 Rainbow HC
Auto orientation	Yes
Touch screen	Capacitive touch
Measurement & Analysis	
Object temperature range	-20 to 300°C (-4 to 572°F)
Accuracy	0 to 100°C (32 to 212°F): ±3°C (±5.5°F) 100 to 300°C (212 to 572°F): ±3% [Ambient temp. 15 to 35°C (59 to 95°F) and object temp. above 0°C (32°F)]
Measurement functions	Spot Box with max./min.
Measurement correction	Emissivity; matt/semi-matt/semi-gloss + custom value Reflected apparent temperature Atmospheric compensation

Image Storage	C3-X
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

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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