

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 x 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	C3-X
IR sensor		128 x 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			
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 x W x H)		138 x 84 x 24 mm (5.4 x 3.3 x 0.94 in)	
Tripod mounting (built-in)		UNC 1/4"-20	

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



CORPORATE OFFICE

Hi-Tech Systems & Services Ltd.

White House, 119 Park Street
Kolkata 700 016, India

+91 33 2229 0045 flir@hitech.in hitech.in



BRANCHES

Bhubaneswar	New Delhi
Chennai	Raipur
Hyderabad	Singrauli
Jamshedpur	Vadodara
Mumbai	