FLIR K2

A TIC for Every Firefighter that Saves More than Just Money

So Every Firefighter Goes Home

FLIR is on a mission to make thermal imaging cameras standard issue equipment. Not just one TIC for every truck, but for each crew member in it.

Without sacrificing capability, ruggedness or reliability, the K2's $1,295 price tag makes that more possible than ever. But extreme affordability is just one benefit.

Multi-spectral dynamic imaging (MSX®)

The K2 uses FLIR's patented MSX technology that embosses key details from the built-in visible camera onto thermal images, providing you with the extra perspective to help you stay oriented and safer while saving others.

Compact and easy to use

FLIR K2's compact design makes it light and easy to attach to turnouts. And a single large button makes the camera simple to activate even with heavy gloves on so you can start seeing your way through dark, smoky conditions immediately.

Rugged & reliable

Engineered to survive tough operating conditions, the K2 withstands a 2-meter drop onto concrete, is water resistant (IP67) and is fully operational up to +500°F (for up to 3 minutes).

Multiple image modes

FLIR K2 can be set to one of seven different thermal imaging modes depending on the primary use of the camera. Switch between them using FLIR Tools software that you can download free from www.flir.com.

Multiple firefighting applications

Fire up the K2 as soon as you arrive on scene for the 360 size-up. Take it inside to see your way through smoke, keep track of others, and determine where to focus fire attack efforts. Find stranded victims faster. And scan for hot spots during overhaul.

A new level of affordability

The K2's economical price makes powerful thermal imaging more accessible to more firefighters – a small investment that can help pay big dividends when it comes to safety, saving lives, and protecting property.

Imaging Specifications

Imaging and optical data	
IR resolution	160 × 120 pixels
Thermal sensitivity/NETD	< 100 mK @ +30°C (+86°F)
Field of view (FOV) / focus	47° × 35°
Image frequency	9 Hz
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 7.5–13 µm
Start-up time	< 30 sec. (IR-image, no GUI)
Start-up time from sleep mode	< 10 sec.
F-number	1,1
Visual camera	
Built-in digital camera	640 × 480 pixels
Digital camera, FOV	73° × 61°, adapts to the IR lens
Sensitivity	Minimum 10 lux
Image presentation	
Display	3 in. LCD, 320 × 240 pixels, backlit
Image modes – switchable using FLIR Tools software	TI Basic fire-fighting mode (default) Black-and-white fire-fighting mode Fire mode Search-and-rescue mode Heat detection mode Cold detection mode Building analysis mode
Auto-range	Auto, non-selectable
Measurement	
Object temperature range	–20°C to +150°C (–4°F to +302°F) 0°C to +500°C (+32°F to +932°F)
Accuracy	±4°C (±7.2°F) or ±4% of reading, for ambient temperature 10°C to 35°C (+50°F to 95°F)
Measurement analysis	
Spotmeter	1
Isotherm	Yes
Automatic heat detection	Heat detection mode (the hottest 20% of the scene is colorized)
Data communication interfaces	
Interfaces	Update from PC and Mac devices
USB	USB Micro-B
Power system	
Battery	Li Ion, 4 hours operating time
Charging system	Outboard single-bay charger included + in-camera charging via USB
Charging time	2.5 h to 90% capacity, charging status indicated by LEDs
Charging temperature	0 °C to +45 °C / 32 °F to 113 °F
Environmental data	
Designed to meet NFPA 1801 specification	Vibration, impact acceleration resistance, corrosion, viewing surface abrasion, heat resistance, heat and flame, product label durability
Operating temperature range	–20°C to +55°C (–4°F to +131°F) +85°C (+185°F): 15 minutes +150°C (+302°F): 10 minutes +260°C (+500°F): 3 minutes
Storage temperature range	–40°C to +70°C (–40°F to +158°F)
Encapsulation	IP 67 (IEC 60529)
Drop	2 m (6.6 ft.) on concrete floor (IEC 60068-2-31)
Physical data	
Camera weight, incl. battery	0.7 kg (1.54 lb.)
Camera size (L × W × H)	250 × 105 × 90 mm (9.8 × 4.1 × 3.5 in.)
Tripod mounting	UNC ¼"-20
Packaging	
Packaging, contents	Infrared camera, battery (2 ea.), battery charger, lanyard strap, power supply, printed documentation, USB cable, user documentation CD-ROM

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