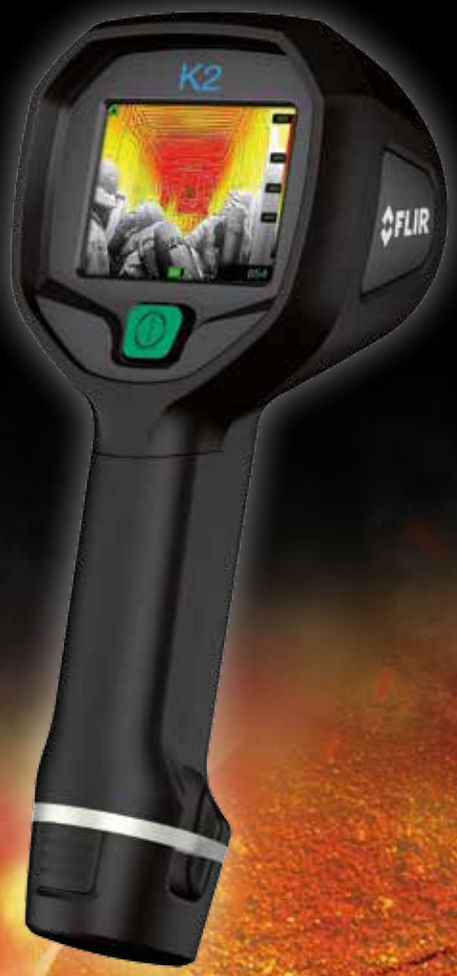


FLIR K2

Extremely affordable thermal imaging camera for firefighters

The FLIR K2 is a rugged, reliable, and extremely economical thermal imaging camera that is specially designed for firefighting applications and severe conditions. Producing thermal images at 160 x 120 pixel resolution displayed on a bright 3" screen, the K2 helps firefighters find their way through thick smoke, assess situations with confidence, and expedite decisions.

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.

Compact and easy to use

FLIR K2 is a compact, light thermal imaging camera that can be easily attached to SCBA gear. An intuitive user interface lets firefighters focus on the job at hand. And a single large button makes the camera simple to activate even with heavy gloves on.

Robust & 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 +260°C / +500°F (for up to 3 minutes).

Multiple image modes

FLIR K2 can be set to one of five different imaging modes depending on the primary use of the unit. Modes can be changed using the FLIR Tools software program that can be downloaded for free from FLIR at http://onelink.to/tools.

Multi-spectral dynamic imaging (MSX)

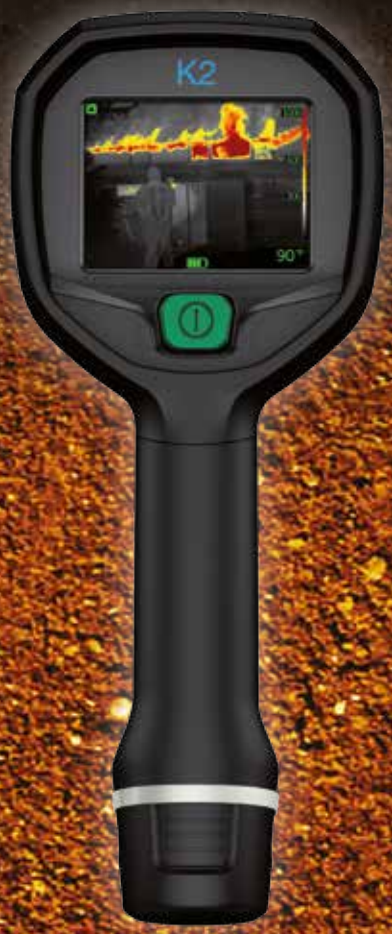
The K2 uses FLIR's patented MSX technology that etches key details from the built-in visible light camera onto the thermal image, helping firefighters identify structures and surroundings without compromising temperature data.

Multiple firefighting applications

Use the FLIR K2 for a wide variety of firefighting applications. See through smoke to help guide your team and prioritize their fire attack efforts. Find stranded victims faster under the murkiest conditions. Scan for hotspots during overhaul. And deploy the K2 for SAR missions.

Imaging Specifications

Imaging and optical data	
Field of view (FOV) / focus	47° × 31.5°
Image frequency	9 Hz
IR resolution	160 × 120 pixels
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.
Thermal sensitivity/NETD	< 100 mK @ +30°C (+86°F)
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
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	2-bay charger, truck charger available
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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