

PERSONAL TIC

FLIR K2™

The FLIR K2 is a rugged, reliable, and economical thermal imaging camera specially designed for firefighting applications and severe conditions. This camera displays 160 × 120 pixel thermal images that help firefighters gain additional situational awareness that is not possible with the naked eye. It features Multi-Spectral Dynamic Imaging (MSX®), an easy-to-use button, and the ability to operate in temperatures up to 500°C. The FLIR K2 Situational Awareness TIC is a small investment that pays big dividends – saving lives, protecting property, and ensuring firefighter safety.

www.flir.com/K2



COMPACT, RUGGED, AND EASY TO USE

Simple, single-button glove-friendly control; straightforward operation

- Compact and lightweight enough to carry anywhere or attach to your gear
- Water resistant (IP67) and rugged enough to withstand a 2-meter drop onto concrete
- Fully operational at temperatures up to 500°F/260°C (max. 3 minutes)



MULTIPLE IMAGE MODES

Greater visibility allows fire crews to create a better plan of attack

- Set the camera to one of seven imaging modes depending upon primary use
- MSX® image enhancement adds edge detail to scenes, helping firefighters identify structures and surroundings
- Change image modes easily using free, downloadable FLIR Tools® software



ENHANCED SITUATIONAL AWARENESS

High-quality imaging can be standard issue for every firefighter

- Displays 160 × 120 thermal pixel resolution images on a bright 3" screen
- Increases safety in low visibility environments with crisp thermal imaging
- Affordable enough to have a Situational Awareness TIC for each rear seat

SPECIFICATIONS

Thermal imaging and optical data	
IR resolution	160 × 120 (19,200 pixels)
Refresh rate	9 Hz
Thermal sensitivity/NETD	<100 mK @ 86°F (30°C)
Field of view (FOV)	47° × 35°
Focal plane array	Uncooled microbolometer, 7.5–13 µm
Start-up time	<30 sec (IR image, no GUI)
Visual camera data	
Built-in digital camera	640 × 480 (307,200 pixels)
Field of view (FOV)	73° × 61°, adapts to IR lens
Sensitivity	Minimum 10 lux
Image presentation	
Display	320 × 240 pixel, 3 in backlit LCD
Auto-range	Auto, non-selectable
Image modes (switch in FLIR Tools®)	Basic firefighting (default); Black-and-white firefighting; Fire; Search-and-rescue; Heat detection; Cold detection; Building analysis mode
Multi Spectral Dynamic Imaging (MSX®)	Yes
Measurement	
Object temperature range	-4°F to 302°F (-20°C to 150°C); 32°F to 932°F (0°C to 500°C)
Accuracy	±7.2°F (±4°C) or ±4% of reading for ambient temperature 50°F to 95°F (10°C to 35°C)
Spotmeters	1
Isotherm	Yes
Automatic heat detection	Heat-detection mode (hottest 20% of scene is colorized)
Data transfer and compatibility	
USB type	USB micro-B
Interfaces	Update from PC devices
Compatibility	Works with FLIR Tools software
General	
Operating temperature range	14°F to 131°F (–10°C to 55°C) – infinity; 185°F (85°C) – 15 minutes; 302°F (150°C) – 10 minutes; 500°F (260°C) – 3 minutes
Storage temperature range	-40°F to 158°F (-40°C to 70°C)
Battery type and voltage	Li-ion, 3.6 V rechargeable
Battery operating time	Approximately 4 hours at 77°F (25°C) and with typical use
Charging time	2.5 h to 90% capacity
Power management	Automatic shutdown and sleep mode
Encapsulation	IP 67 (IEC 60529)
Drop	6.6 ft (2 m)
Weight w/ battery	1.54 lbs (0.7 kg)
Size (L × W × H)	9.8 × 4.1 × 3.5 in (250 × 105 × 90 mm)
Tripod mount	UNC 1/4"-20
Package contents	
K2 camera, 2 batteries, battery charger, lanyard strap, power supply, printed documentation, USB cable	



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