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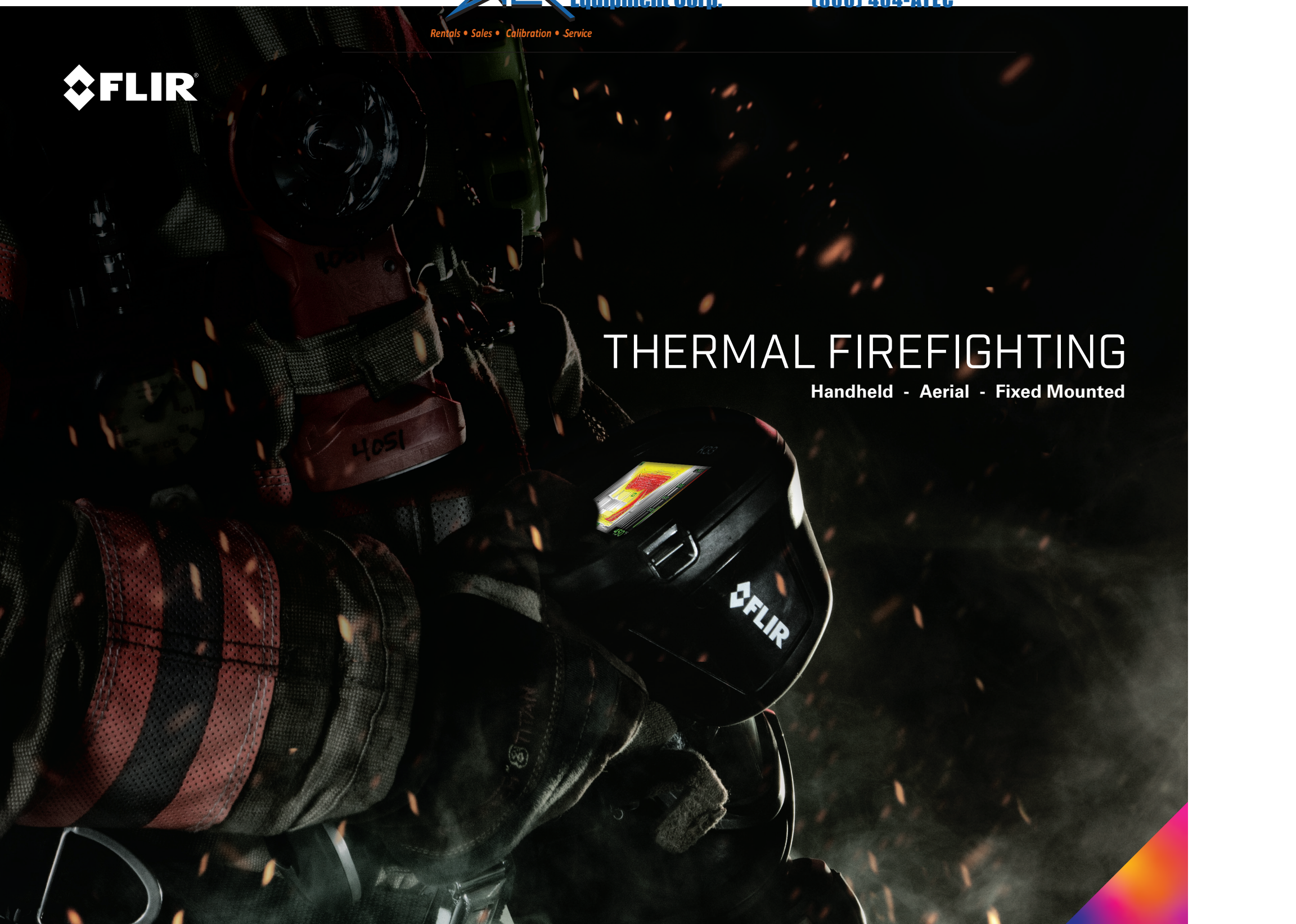


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THERMAL FIREFIGHTING

Handheld - Aerial - Fixed Mounted



FLIR THERMAL IMAGING CAMERAS

GET THE MOST COMPREHENSIVE VIEW FROM INSIDE, OUTSIDE, AND ABOVE THE SCENE

Visibility is a chief concern for maintaining firefighter safety, whether you're in the thick of fighting a fire or coordinating resources as the incident commander. Thanks to the FLIR lineup of cost-effective handhelds, and mounted or UAS aerial thermal imaging options, fire departments can now afford to outfit more firefighters with TICs and monitor all angles of the scene.

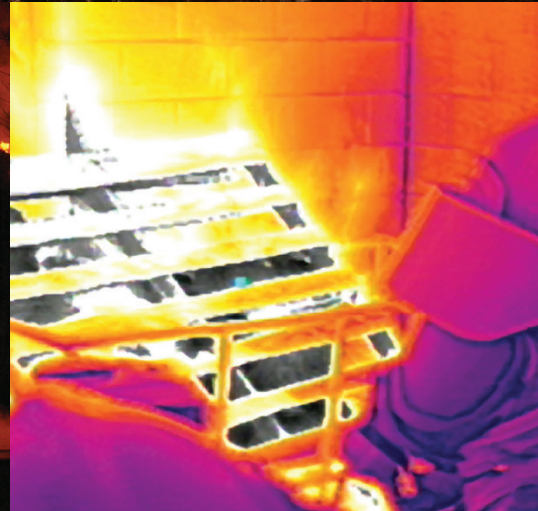
This is about more than seeing through a smoke-filled room: viewing the entire scene from multiple viewpoints helps incident commanders make better decisions. And, since FLIR TICs clearly visualize heat sources, they're also an important tool for hazmat and search-and-rescue operations.

With FLIR handheld, drone-mounted, and truck-mounted TICs, you get:

- **A Clear View:** Navigate better thanks to the bright LCD and an image frequency that keeps up with the action.
- **Ultra-Sharp Thermals:** Extra image detail for easier visual orientation with FLIR MSX® or FSX® enhancement.
- **Early Warning:** Truck- and ladder-mounted cameras allow you to detect fire intensity from a safe distance.
- **Better View, Better Planning:** Visualizing an overview of the entire scene from a drone-mounted TIC will help you better coordinate resources.
- **Rugged Reliability:** FLIR designed its line of TICs to withstand the toughest firefighting conditions — whether it's a two-meter drop, heavy water spray, or blazing-hot temperatures.

**FULL
FORCE**

— Thermal Coverage From The Ground Up —



K-SERIES

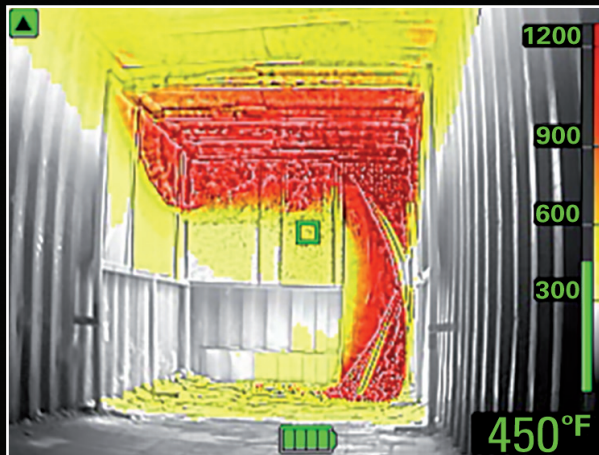
AFFORDABLE, DEPENDABLE, ESSENTIAL

Just like your air pack, radio, and protective gear, FLIR TICs are essential tools for firefighting. With a TIC in hand, you can attack fires more strategically, maneuver through smoke more easily, and save lives. And with a range of technologies and prices from the FLIR K1 Situational Awareness Camera through the NFPA®-compliant FLIR K65, it's easier than ever for departments to afford to issue a TIC to every firefighter.

FSX® - FLEXIBLE SCENE ENHANCEMENT*

Digital image processing enhances the thermal image in the camera, producing an ultra-sharp view with more scene detail. FSX makes it easier for firefighters to find their way in smoke-filled rooms, even in scenes with extreme temperature dynamics.

WITH FSX



WITHOUT FSX

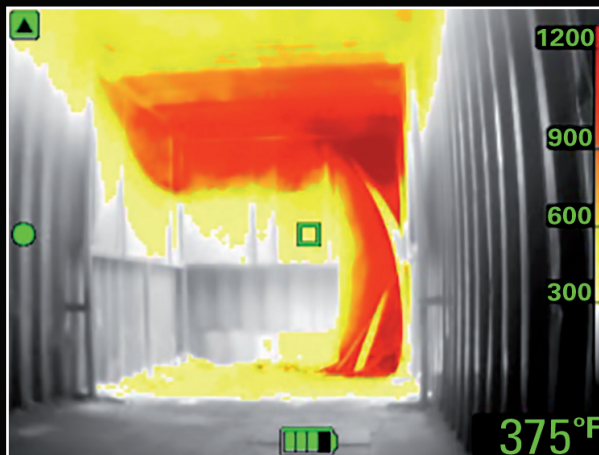


IMAGE MODES

TI BASIC

For initial fire attack and rescue operations; colors represent temperature.



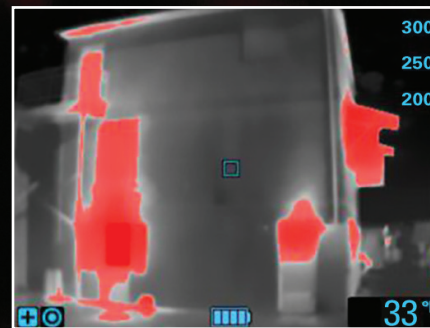
BLACK & WHITE

Same representations of temperature as the TI Basic mode, but in grayscale.



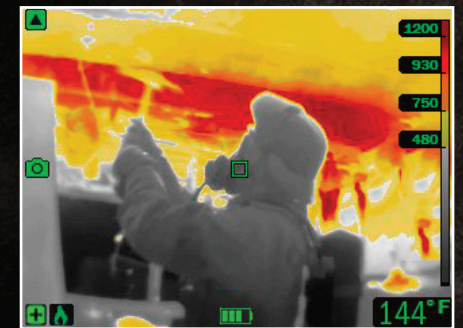
HEAT DETECTION

Used for finding hotspots. The hottest 20% of the scene is colored red.



FIRE

For scenes with higher background temps where open flames are present, particularly in structural fires.



SEARCH & RESCUE

For use with lower temperature situations, such as initial rescue efforts after traffic accidents, searches in wooded areas, etc.



COLD DETECTION*

Colorizes coldest 20% of the scene to aid in finding drafts and determining air flows.

* K2 only



RELIABLE SITUATIONAL AWARENESS

FLIR K1 compact thermal cameras make 360° assessment possible in complete darkness and through smoke. Quickly detect and document key findings with internal recording of up to 10,000 thermal/visible image sets.



FULL PROTECTION:

FLIR'S 2-10 Warranty

- 2 Years Parts and Labor
- 10 Years Detector



FLIR K1

160 × 120 pixel detector

POCKET-PORTABLE AND RUGGED

The FLIR K1 helps you quickly assess the scene without losing line of sight and then document key findings with internal recording of up to 10,000 thermal/visual image sets. Designed to withstand a two-meter drop onto concrete and water resistant (IP67), the K1 offers up to 5.5 hours of radiometric thermal imaging.



Specifications

MODEL	K1	K2	K33	K45
IR resolution	160 × 120 pixels	160 × 120 pixels	240 × 180 pixels	240 × 180 pixels
Thermal sensitivity	<100 mK	<100 mK @ 30°C (86°F)	<40 mK @ 30°C (86°F)	<40 mK @ 30°C (86°F)
Image or contrast optimization	Digital image enhancement with MSX®	Digital image enhancement with MSX®	Digital image enhancement with FSX®	Digital image enhancement with FSX®
Field of view (FOV)	57° × 44°	47° × 35°	51° × 38°	51° × 38°
Image storage	Yes	No	No	Up to 200 JPEG images on internal flash memory
Video storage	No	No	No	No
In-camera video recording	No	No	No	No
IMAGE PRESENTATION				
Display	Backlit 2.4 in, 320 × 240 pixel LCD	Backlit 3 in, 320 × 240 pixel LCD	Backlit 4 in, 320 × 240 pixel LCD	
IR image modes	T1 Basic (White hot with isotherm), White hot, Iron	Basic firefighting mode, Cold detection mode, Building analysis mode, Black-and-white firefighting mode, Fire mode, Search and rescue mode, Heat detection mode	T1 Basic firefighting mode	T1 Basic firefighting mode, Black-and-white firefighting mode, Fire mode, Search and rescue mode, Heat detection mode Thumbnail gallery
Auto range	No	Yes, Non-selectable	Yes, selectable on/off using FLIR Tools	
MEASUREMENT				
Object temperature range	High Gain Mode: -10°C to 140°C (14°F to 284°F) Low Gain Mode: -10°C to 400°C (14°F to 752°F) (at room temperature)	-20°C to 150°C (-4°F to 302°F) 0°C to 500°C (32°F to 932°F)	-20°C to 150°C (-4°F to 302°F) 0°C to 650°C (32°F to 1,202°F)	
Accuracy	Accuracy for ambient temperatures of 10°C to 35°C (50°F to 95°F): High Gain Mode: ±5°C or ±5% Low Gain Mode: ±10°C or ±10%	±4°C (±7.2°F) or ±4% of reading for ambient temperature, 10°C to 35°C (50°F to 95°F)		
Spotmeter	Center spot	1 spotmeter	1 spotmeter	1 spotmeter
SAFETY TESTING				
NFPA 1801:2018 Compliant	No	No	No	No
POWER SYSTEM				
Battery type	Li-ion, 3.7 V rechargeable	Li ion, > 4 hours operating time		
Charging time	4 hours to 90%, 6 hours to 100%	2.5 h to 90% capacity	2 hours to 85% capacity, status indicated by LEDs	
ENVIRONMENTAL DATA				
Operating temperature range	10°C to 90°C (14°F to 194°F)— up to 10 min, flashlight on -10°C to 115°C (14°F to 239°F)— up to 2 min, flashlight on	-10°C to 55°C (14°F to 131°F) 85°C (185°F): 15 min 150°C (302°F): 10 min 260°C (500°F): 3 min	-20°C to 85°C (-4°F to 185°F) 150°C (302°F): 15 min 260°C (500°F): 5 min	
Storage temperature range	-30°C to 55°C (-22°F to 131°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 85°C (-40°F to 185°F)	
Humidity (operating and storage/relative)	0°C to 37°C (32°F to 99°F) 37°C to 45°C (99°F to 113°F) 45°C to 55°C (113°F to 131°F)	IEC 60068-2-30/24 h 95% relative humidity 25°C to 40°C (77°F to 104°F) / 2 cycles 95% relative humidity 25°C to 40°C (77°F to 104°F) non-condensing		
Encapsulation, shock, vibration, and drop	IP67 (IEC 60529), 25 g (IEC 60068-2-27), 2 g (IEC 60068-2-6), 2 m (6.6 ft)	IP 67 (IEC 60529), 25 g (IEC 60068-2-27), 2 g (IEC 60068-2-6), 2.0 m / 6.6 ft, on concrete floor (IEC 60068-2-31)	IP 67 (IEC 60529), 25 g (IEC 60068-2-27), 2 g (IEC 60068-2-6), 2.0 m / 6.6 ft, on concrete floor (IEC 60068-2-31)	
PHYSICAL DATA				
Camera weight, incl. battery	0.410 kg (0.904 lb)	0.7 kg (1.54 lb)	1.1 ±0.05 kg (2.4 ±0.1lb)	
Camera size (L × W × H)	208 × 85 × 65 mm (8.19 × 3.3 × 2.6 in)	250 × 105 × 90 mm (9.8 × 4.1 × 3.5 in)	120 × 125 × 280 mm (4.7 × 4.9 × 11 in)	
PACKAGING				
Contents	K1 infrared camera, printed documentation, wrist strap lanyard, USB-C to USB-A cable, tactical pouch	Infrared camera, battery (2x), battery charger, lanyard strap, power supply, USB cable	Infrared camera, hard transport case, battery (2x), battery charger, power supply, retractable lanyard, carabiner strap, USB cable, printed documentation	
OPTIONAL ACCESSORIES				
Hard transport case, carabiner strap, retractable lanyard, extra batteries, in-truck charger, car charger, cigarette lighter adapter kit, tripod adapter				