



**THERMAL IMAGING CAMERAS FOR FIREFIGHTERS**

# FLIR K65™

The FLIR K65 is independently certified to comply with the NFPA 1801:2021 Edition Standard for Thermal Imagers, covering usability, image quality, and durability for firefighting. The 320 × 240 pixel sensor produces crisp thermal images to improve firefighters' situational awareness. The K65 also features FLIR's proprietary FSX® Flexible Scene Enhancement technology for ultra-sharp, finer textured images that shows subtler details. With the K65 TIC, firefighters can see more clearly in the harshest environments, maneuver more strategically, stay better oriented, and find victims faster.

[www.flir.com/K65](http://www.flir.com/K65)

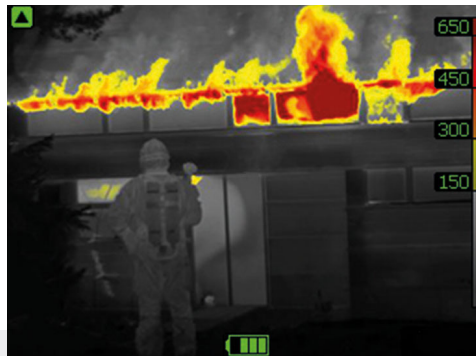
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## COMPACT, RUGGED, AND EASY TO USE

Glove-friendly three-button design for straightforward operation

- Intuitive user interface allows first responders to stay focused on the situation at hand
- NFPA 1801:2021 Compliant, with fully-sealed connectors and secured battery
- Water-resistant (IP67), and rugged enough to withstand drops from 2 m (6.6 ft) onto concrete



## UNCOMPROMISING CLARITY AND RESOLUTION

Detail-rich images help you see clearly and move safely in smoky conditions

- 320 × 240 (76,800 pixel) resolution and a rapid refresh-rate (60 Hz) help orient you on the scene
- FLIR FSX digital processing adds edge detail for greater perspective and better navigational capabilities
- Records up to 200 images or videos with a simple trigger-pull
- Fully operational at temperatures up to 500°F/260°C (max. 5 minutes)



## IMPROVED TACTICAL DECISION-MAKING

High-quality imaging can be standard issue for every firefighter

- Provides clear visual information needed to make crucial tactical decisions
- Fixed temperature scale with TI Basic Mode allows for quick reference in rapidly evolving conditions without confusing changes
- Stored thermal images may be accessed for on-scene review, off-site analysis, or training purposes

## SPECIFICATIONS

### Thermal imaging and optical data

IR resolution	320 × 240 (76,800 pixels)
Refresh rate	60 Hz
Thermal sensitivity/NETD	<30 mK @ 86°F (30°C)
Field of view (FOV)	51° × 38°
Focal plane array	Uncooled microbolometer, 7.5-13 μm
Start-up time	<17 sec (IR image, no GUI)

### Image presentation

Display	320 × 240 pixel, 4 in backlit LCD
Auto-range	Yes, mode-dependent
Image modes	TI Basic NFPA firefighting; Black-and-white firefighting; Fire; Search-and-rescue; Heat detection
Flexible Scene Enhancement (FSX®)	Yes

### Measurement

Object temperature range	-4°F to 140°F (-20°C to 60°C); 32°F to 1202°F (0°C to 650°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, according to NFPA and mode-dependent
Automatic heat detection	Heat-detection mode (hottest 20% of scene is colored)

### Data transfer and compatibility

USB type	USB mini-B
Interfaces	Update from PC devices
Compatibility	Works with FLIR Tools software
Image/video storage	Up to 200 image or video files (max. duration of 5 min)
Video Streaming	Uncompressed video over USB

### General

Operating temperature range	-4°F to 185°F (-20°C to 85°C) – infinity; 302°F (150°C) – 15 minutes; 500°F (260°C) – 5 minutes
Storage temperature range	-40°F to 185°F (-40°C to 85°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 h to 85% capacity

Directives	Independently certified according to NFPA 1801:2021 specification · Vibration · Impact acceleration resistance Corrosion Viewing surface abrasion · Heat resistance Heat and flame · Product label durability
Hazardous locations	Certified for use in according to ANSI/UL 121201 (2017 edition)
Drop	6.6 ft (2m)
Weight w/battery	2.4 lbs (1.1 kg)
Drop	6.6 ft (2m)
Size (L x W x H)	4.7 x 4.9 x 11 in (120 x 125 x 280 mm)
Tripod mount	UNC 1/4" – 20

### Package contents

K65 TIC, 2 batteries, battery charger, hard transport case, carabiner strap, power supply, Torx screwdriver (T20), retractable lanyard, USB cable, printed documentation. Optional truck charger available.

For a complete list of specifications, go to [www.flir.com/k65](http://www.flir.com/k65)



For the most up-to-date specifications, visit [flir.com/k65](http://flir.com/k65)

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