



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

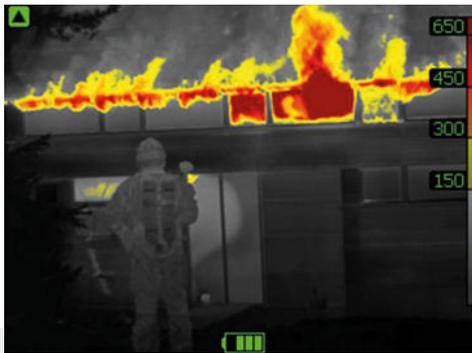
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COMPACT, RUGGED, AND EASY TO USE

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

Image presentation

Display	320 x 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



For the most up-to-date specifications, visit flir.com/k65

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