



THERMAL IMAGING CAMERA FOR FIREFIGHTERS

FLIR K55™

The FLIR K55 allows firefighters to see more clearly in the harshest environments, maneuver more strategically, stay better oriented, and find victims faster. This camera displays 320 x 240 pixel thermal images and can record up to 200 jpegs and/or video clips. Featuring FSX® Flexible Scene Enhancement technology, the K55 produces ultra-sharp, fine textured images that show subtler details, allowing firefighters to see far more than is possible with the naked eye. The K55 enables first responders to find their way through the darkest environments, identify targets in extreme temperature settings, and make better decisions when seconds count.

www.flir.com/K55



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
- Water-resistant (IP67), and rugged enough to withstand drops from 2 m (6.6 ft) onto concrete
- Fully operational at temperatures up to 500°F/260°C (max. 5 minutes)



UNCOMPROMISING CLARITY AND RESOLUTION

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

- 320 x 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 increased navigational capabilities
- Records up to 200 images or video clips with a simple trigger-pull



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 and videos may be accessed for on-site assessment, 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	Basic firefighting (default); Black-and-white firefighting; Fire; Search-and-rescue; Heat detection
Flexible Scene Enhancement (FSX®)	Yes
Measurement	
Object temperature range	-4°F to 302°F (-20°C to 150°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 colorized)
Data storage, 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	Designed to meet specifications for the following: • Vibration • Impact acceleration resistance • Corrosion • Viewing surface abrasion • Heat resistance • Heat and flame • Product label durability
Drop	6.6 ft (2 m)
Weight w/ battery	2.4 lbs (1.1 kg)
Size (L × W × H)	4.7 × 4.9 × 11 in (120 × 125 × 280 mm)
Tripod mount	UNC 1/4"-20
Package contents	
K55 TIC, 2 batteries, battery charger, hard transport case, lanyard strap, neck strap, power supply, printed documentation, retractable lanyard, USB cable . Optional truck charger available.	



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19-0238-INS

