Flir K75 and K85 (2026 Version)

Firefighting Thermal Imaging Cameras



Key Features

- High-resolution of up to 640 × 480 thermal imaging providing premium image quality for precise target identification and enhanced situational awareness from the from the first alarm to the last fire out.
- Seamless single-range interface ensures uninterrupted focus with a simplified live image display and minimal menu interaction.
- Integrated wireless connectivity enables streamlined configuration, live streaming, OTA updates and efficient media handling for mission support and training.

Main Applications

- Engineered for frontline firefighting with rugged IP67-rated construction, 2-meter drop resistance, and outstanding high-heat performance.
- Supports training and post-incident review through intuitive media extraction and wireless streaming for real-time feedback and analysis.
- Optimized for reliable thermal visibility in low-light and smoke-obscured environments.

www.flir.com/Kxx-Series

Specifications

Model	Flir K75	Flir K85
Imaging and optical data		
IR resolution	320 × 240	640 × 480
Thermal sensitivity, NETD	<60 mK	
Field of view	53° × 40°	
Image frequency	30 Hz	
Spectral range	7.5 to 14 µm	
Pixel pitch	12 µm	
Detector type	Focal plane array (FPA), uncooled microbolometer	
Image representation		
Display	4" LCD, 640 × 480, backlit	
Display frame rate	60 Hz	
Contrast optimization	Digital enhancement, Flexible Scene Enhancement (FSX®)	

Model	Flir K75	Flir K85
Image modes	Basic, Search, Detection, High Heat, Black & White	
f-number	1.25	
Zoom	2x digital zoom	
Measurement		
Object temperature range	Single range solution operating: -20°C to 650°C (-4°F to 1202°F)	
Accuracy	±4°C (±7.2°F) or ±6% of reading, for ambient temperature 10°C to 35°C (50°F to 95°F)	
Video and images		
Storage media	Internal flash memory	
Image storage formats	Standard JPEG	
Media gallery	Camera and Flir Responder app	

Specifications subject to change. For the most up-to-date specifications, visit flir.com.

For technical or sales support, please visit:
www.support.flir.com/kxx-series

www.flir.com

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Specifications, cont.

Model	Flir K75	Flir K85
Image storage capacity	200 files in total (N.B. The total number of files varies dependent on the number of saved video clips)	
Non-radiometric IR video recording	MPEG4 to internal flash memory	
Non-radiometrics IR video streaming	Uncompressed colorized video using USB and MPEG-4 Stream over Wi-Fi to Flir Responder app	
Data communication interfaces		
Interfaces	Update via OTA (Wi-Fi using the Flir Responder app) Legacy support for updates from PC and data transfer to and from PC	
USB	USB-C	
Wi-Fi	IEEE 802.11 b/g/n (2.4 GHz)	
Bluetooth®	Bluetooth v. 5.0 EDR + BLE *PAN	
Power system		
Battery type	Li-Ion	
Battery voltage	3.7 V	
Battery capacity	5.8 Ah, at 20°C to 25°C (68°F to 77°F)	
Battery operating time	Approx. 4 hours @ 25°C (77°F) ambient temperature and typical use	
Charging system	Desktop 2-bay charger Optional in-truck charger	
Charging time	<3 h to capacity enough for 3 h operation	
Charging temperature	0°C to 45°C (32°F to 113°F)	
Power management	For documents like MSDS and UN38.3 test reports/summaries, see: https://support.flir.com/resources/msds	
Power options	Automatic shutdown and sleep mode	
Environmental data		
Operating temperature range	-20°C to 60°C (-4°F to 140°F) 150°C (302°F): 15 min 260°C (500°F): 5 min	
Storage temperature range	-40°C to 85°C (-40°F to 185°F)	
Humidity (operating and storage)	IEC 60068-2-30/24 h 95	
Relative humidity	95% relative humidity 25°C to 40°C (77°F to 104°F) non-condensing	

Model	Flir K75	Flir K85
EMC	EN 301 489-1 RED EN 301 489-17 EN 55032 Class B (Emission) EN 55035 (Immunity) EN 61000-6-2 Immunity according to Industrial EN 61000-6-3 380-480MHz EN 61000-6-3 800-960MHz EN 60945 Maritime equipment FCC 47 CFR part 15 B, class B (Emission) ICES-003	
Magnetic fields	EN 61 000-4-8, Test level 5 for continuous field (severe industrial environment)	
Radio spectrum	ETSI EN 300 328 ETSI EN 301 893 FCC 47 CFR part 15 RSS-247	
Encapsulation	IP67 (IEC 60529)	
Shock	25 g (IEC 60068-2-27)	
Vibration	2 g (IEC 60068-2-6)	
Drop	2 m (6.6 ft) on concrete floor (IEC 60068-2-31)	
Safety (power supply)	CE/EN/UL/CSA/PSE 60950-1 IEC 62368	
Physical data		
What's included?	Infrared camera Battery (2 ea.) Battery charger Carabiner strap Power supply Printed documentation Retractable lanyard, 16 N (58 oz) USB cable Calibration certificate	
Ordering information		
P/N	18704-0401	18705-0501

Scan below to learn more about Flir Kxx-Series

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