



# FLIR KF6

## Mountable Thermal Imaging Cameras for Aerial Firefighting Apparatus

### A New TIC Vantage Point

The FLIR KF6 is the first mountable OEM TIC specifically for aerial apparatus applications. Providing a high-angle thermal view of rooftops, upper stories, and other elevated structures, KF6 can help your team see clearly through smoke and total darkness from an additional strategic perspective for more effective targeting and situational awareness.

### Aerial Mounting Flexibility

The KF6 can be easily and securely fixed-mounted under or atop aerial platforms and at the end of straight sticks. A single cable with a MIL-C connector provides 10-32 VDC in and composite video out for simple installation.

### Best Resolution Shows You More

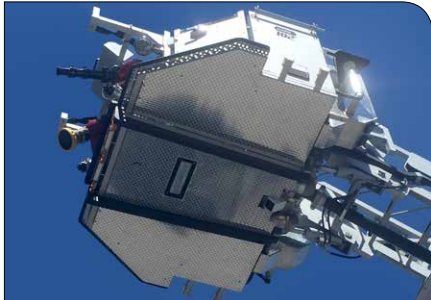
Featuring 640 × 480 IR resolution and a 69° FOV, bolstered with onboard FSX™ Flexible Scene Enhancement, the KF6 produces vivid thermal images, providing finer detail and greater visibility for easier orientation and structural identification.

### Convenient Monitoring

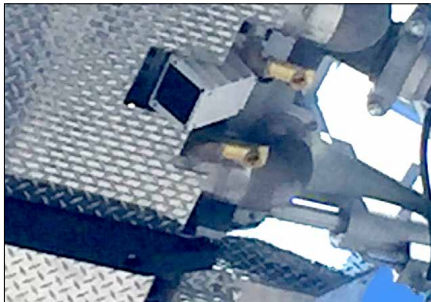
Pair the KF6 with your preferred video display with one cable and view live, high-angle thermal video on a monitor at the turntable level, on an in-truck LCD, or on a screen right at the platform itself. Or connect to multiple displays via wireless systems.\*

### CDMQ Ruggedness

FLIR built the KF6 to our Commercially Developed Military Qualified standards. With a rugged housing that meets MIL-STD-810G, an IP67 rating, and extensive IEC testing, KF6 is ready to withstand harsh fire scene operating conditions, well-protected from exposure to heavy smoke and spray.



KF6 mounted on underside of platform.



Close up view of KF6 mounted under platform.



KF6 provides high angle thermal perspective.



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## FLIR KF6 Specifications

<b>Imaging and optical data</b>	
IR resolution	640 × 480 pixels
Thermal sensitivity/NETD	< 100 mK at f/1.4
Field of view (FOV)	69° × 56°
Focus	Fixed
F number	1.4
Image frequency	30 Hz
<b>Detector data</b>	
Detector type	Focal plane array, uncooled microbolometer
Spectral range	7.5–13.5 μm
<b>Image presentation</b>	
Image mode	TI Basic firefighting mode
Auto range	Yes
<b>Measurement</b>	
Object temperature range	High-gain range: –25 to +150°C (–13 to +302°F) Low-gain range: 0 to +550°C (+32 to +1022°F)
Accuracy	±5°C (±7.2°F) or ±5% in high gain range
<b>Measurement analysis</b>	
Spotmeter	1
Isotherm	Yes
<b>Configuration</b>	
Video standard	NTSC
Mounting	Top or bottom mounted
Temperature unit	F° or C°
<b>Composite video</b>	
Video out	Composite video output, NTSC compatible
<b>Power system</b>	
Power input	10.5–32 V DC (ISO 7637-2)
Start-up time	< 20 seconds
Power consumption	< 5 W average, when supplied with 28 V DC
<b>Connector</b>	
Power and video connector	13-pin MIL-C-38999, D38999/24FB35PN Mating connector: D38999/26FB35SN
<b>Environmental data</b>	
Operating temperature range	–32 to +65°C (–26 to +149°F)
Storage temperature range	–40 to +70°C (–40 to +158°F)
Humidity (operating and storage)	IEC 600 68-2-30, 24 hours, 95% relative humidity, 25–40°C (77–104°F) , two cycles
EMC	<ul style="list-style-type: none"> <li>• EN 61000-6-2:2005 (immunity)</li> <li>• EN 61000-6-3:2011 (emission) FCC 47 CFR Part 15 B (emission)</li> <li>• ISO7637-2 Road Vehicles – Electrical Disturbances from conduction and coupling – Part 2: Electrical transient conduction along supply lines only. (Immunity)</li> </ul>
Encapsulation	IP 67 (IEC 605 29)
Shock	IEC 600 68-2-27, 25g peak half sine wave
Vibration	IEC 600 68-2-6, 0.15 mm 10 Hz to 58 Hz and 2 g 58 to 500 Hz sinusoidal
<b>Physical data</b>	
Weight	1.2 ± 0.1 kg (2.6 ± 0.2 lb.)
Size (L × W × H)	158 mm × 112 mm × 89 mm (6.2 in. × 4.4 in. × 3.5 in.)
Housing material	Aluminum
Color	White and black

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