



SITUATIONAL AWARENESS CAMERA

FLIR K1™

The FLIR K1 is a rugged, compact thermal camera that serves as an extra set of eyes on the fire scene, allowing commanders, officers, and inspectors to quickly complete a 360° assessment in total darkness and through smoke. With a bright, integrated flashlight, the FLIR K1 illuminates the scene to help the user steer and manage the crew more effectively. It also displays 160 × 120 pixel thermal images that help users gain additional situation awareness that is not possible with the naked eye. The FLIR K1 is pocket-portable or attaches easily to a belt using the included pouch – making it easy to have on-hand for investigations around buildings, industrial settings, traffic accidents, wildland calls, or search and rescue activities.



ENHANCE SITUATIONAL AWARENESS

Complete a thorough 360° assessment of the scene

- Quickly identify structures and surroundings with MSX® image enhancement, which uses a visual image to add edge detail to scenes
- Never lose line of sight with the pistol-grip design
- Clearly see the scene from top to bottom with the 57° × 44° portrait view
- Improve visibility of structures in the dark with the integrated, 300-lumen flashlight



DOCUMENT FINDINGS CONVENIENTLY

Gather compelling evidence and save readings for simple reporting

- Take point-and-shoot images with the straightforward snapshot function
- Saves both a radiometric IR image and visual image of the scene simultaneously for easier interpretation
- Large internal memory saves up to 10,000 image sets
- Complete image post-processing and reporting using FLIR Tools® software



RUGGED AND EASY TO USE

Rely on the durable construction to last for years to come

- Compact and lightweight enough to carry anywhere or attach to gear
- Water resistant (IP67) and rugged enough to withstand a 2-meter (6 ft) drop onto concrete
- Work longer without interruption thanks to the integrated battery that lasts up to 5.5 hours without charge

SPECIFICATIONS

Image and Optical Data

| | |
|--------------------------|------------------|
| IR Resolution | 160 × 120 pixels |
| Thermal Sensitivity/NETD | <100 mK |
| Field of View (FOV) | 57° × 44° |
| Image Frequency | 8.7 Hz |
| Focus | Fixed |

Detector Data

| | |
|----------------|--|
| Detector Type | Focal plane array, uncooled microbolometer |
| Spectral Range | 8 - 13 μm |
| Pitch | 12 μm |

Visual Camera Data

| | |
|---------------------|----------------------------------|
| Resolution | 2 MP |
| Focus | Fixed |
| Field of View (FOV) | 71° × 56°, adapts to the IR lens |

Image Presentation and Modes

| | |
|---------------------------------------|------------------|
| Resolution | 320 × 240 pixels |
| Screen Size | 2.4 in |
| Multi Spectral Dynamic Imaging (MSX®) | Yes |
| Cover Glass Material | Polycarbonate |

Measurement

| | |
|--------------------------|--|
| Object Temperature Range | High Gain Mode: -10°C to 140°C (14°F to 284°F) Low Gain Mode: -10°C to 400°C (14°F to 752°F) (at room temperature) |
| Accuracy | Accuracy for ambient temperatures of 10 to 35°C (50 to 95°F): High Gain Mode: ±5°C or ±5% Low Gain Mode: ±10°C or ±10% |
| Spotmeter | Center spot |
| Color Palettes | <ul style="list-style-type: none"> • T1 Basic (White-hot with isotherm) • White-hot • Iron |

Data Transfer and Compatibility

| | |
|---------------|--|
| USB Type | USB Type-C |
| Interfaces | USB 2.0 |
| Compatibility | Image post processing and reporting in FLIR Tools® |

General

| | |
|-----------------------------|--|
| Memory Size | 3.9 G , >9999 images |
| Operating Temperature Range | -10°C to 45°C (14°F to 113°F) |
| Storage Temperature Range | -30°C to 55°C (-22°F to 131°F) |
| Battery Type and Voltage | Li-ion, 3.7 V rechargeable |
| Battery Operating Time | MSX mode: 5.5 h Flashlight only: 3.8 h |
| Charging Time | 4 hours to 90%, 6 hours to 100% |
| Power Management | Adjustable |
| Encapsulation | IP67 (IEC 60529) |
| Drop | 2 m (6.6 ft) |
| Weight w/ Battery | 0.410 kg (0.904 lb) |
| Size (L × W × H) | 208 × 85 × 65 mm (8.19 × 3.3 × 2.6 in) |
| Tripod Mount | UNC ¼"-20 |
| Warranty | 2 years on parts and labor, 10 year on detector after registration |

Package Contents

K1 camera, printed documentation, wrist strap lanyard, USB-C to USB-A cable, tactical pouch

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19-0721-INS



The World's Sixth Sense®