PERSONAL TIC

FLIR K2™

The FLIR K2 is a rugged, reliable, and economical thermal imaging camera specially designed for firefighting applications and severe conditions. This camera displays 160 x 120 pixel thermal images that help firefighters gain additional situational awareness that is not possible with the naked eye. It features Multi-Spectral Dynamic Imaging (MSX®), an easy-to-use button, and the ability to operate in temperatures up to 500°C. The FLIR K2 Situational Awareness TIC is a small investment that pays big dividends – saving lives, protecting property, and ensuring firefighter safety.

www.flir.com/K2

COMPACT, RUGGED, AND EASY TO USE
Simple, single-button glove-friendly control; straightforward operation
- Compact and lightweight enough to carry anywhere or attach to your gear
- Water resistant (IP67) and rugged enough to withstand a 2-meter drop onto concrete
- Fully operational at temperatures up to 500°F/260°C (max. 3 minutes)

MULTIPLE IMAGE MODES
Greater visibility allows fire crews to create a better plan of attack
- Set the camera to one of seven imaging modes depending upon primary use
- MSX® image enhancement adds edge detail to scenes, helping firefighters identify structures and surroundings
- Change image modes easily using free, downloadable FLIR Tools® software

ENHANCED SITUATIONAL AWARENESS
High-quality imaging can be standard issue for every firefighter
- Displays 160 x 120 thermal pixel resolution images on a bright 3” screen
- Increases safety in low visibility environments with crisp thermal imaging
- Affordable enough to have a Situational Awareness TIC for each rear seat
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<td><strong>Thermal imaging and optical data</strong></td>
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| IR resolution                             | 160 x 120 (19,200 pixels)  
| Refresh rate                              | 9 Hz  
| Thermal sensitivity/NETD                  | <100 mK @ 88°F (30°C)  
| Field of view (FOV)                       | 47° x 35°  
| Focal plane array                         | Uncooled microbolometer, 7.5–13 μm  
| Start-up time                             | <30 sec (IR image, no GUI)  
| **Visual camera data**                    |  
| Built-in digital camera                   | 640 x 480 (307,200 pixels)  
| Field of view (FOV)                       | 73° x 61°, adapts to IR lens  
| Sensitivity                               | Minimum 10 lux  
| **Image presentation**                    |  
| Display                                    | 320 x 240 pixel, 3 in backlit LCD  
| Auto-range                                 | Auto, non-selectable  
| Image modes (switch in FLIR Tools®)        | Basic firefighting (default); Black-and-white firefighting; Fire; Search-and-rescue; Heat detection; Cold detection; Building analysis mode  
| Multi Spectral Dynamic Imaging (MSX®)      | Yes  
| **Measurement**                           |  
| Object temperature range                  | -4°F to 302°F (-20°C to 150°C); 32°F to 932°F (0°C to 500°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  
| **Automatic heat detection**               | Heat-detection mode (hottest 20% of scene is colorized)  
| **Data transfer and compatibility**       |  
| USB type                                   | USB micro-B  
| Interfaces                                 | Update from PC devices  
| Compatibility                              | Works with FLIR Tools software  
| **General**                                |  
| Operating temperature range               | 14°F to 131°F (−10°C to 55°C) – infinity; 185°F (85°C) – 15 minutes; 302°F (150°C) – 10 minutes; 500°F (260°C) – 3 minutes  
| Storage temperature range                  | -40°F to 158°F (-40°C to 70°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                              | 2.5 h to 90% capacity  
| Power management                           | Automatic shutdown and sleep mode  
| Encapsulation                              | IP 67 (IEC 60529)  
| Drop                                      | 6.6 ft (2 m)  
| Weight w/ battery                         | 1.54 lbs (0.7 kg)  
| Size (L x W x H)                           | 9.8 x 4.1 x 3.5 in (250 x 105 x 90 mm)  
| Tripod mount                              | UNC 1/4”-20  
| Package contents                          | K2 camera, 2 batteries, battery charger, lanyard strap, power supply, printed documentation, USB cable  

**Note:** FLIR Systems, Inc. reserves the right to make changes to the products and/or the specifications at any time without notice. FLIR Systems, Inc. assumes no responsibility for any errors that may appear in this document. Information furnished by FLIR Systems, Inc. is believed to be accurate and reliable. However, no responsibility is assumed for the accuracy of such information. The information is furnished for information only. Specifications are subject to change without notice. ©2019 FLIR Systems, Inc. All rights reserved.