



THERMAL IMAGING CAMERAS FOR FIREFIGHTERS

FLIR K33™ / K53™

The K33 and K53 are easy-to-use thermal imaging cameras (TIC) that offer affordability without sacrificing the reliability, clarity, or performance that first responders expect from FLIR. Both cameras feature FLIR's patented FSX® Flexible Scene Enhancement, which intensifies thermal images' structural and textural details. The enhanced perspective and greater orientation improves firefighters' tactical decision-making capabilities. First responders gain a sense of confidence and safety as they forge ahead to fight fires and save lives.

www.flir.com/K33

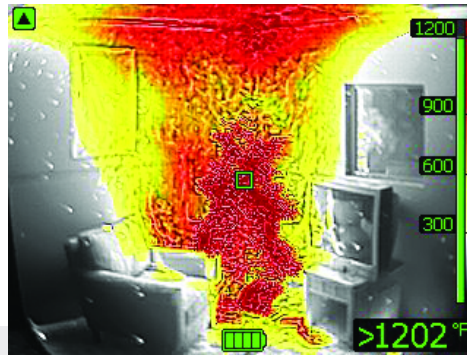
www.flir.com/K53



STREAMLINED HIGH PERFORMANCE

Simple, single-button glove-friendly control; straightforward operation

- Compact and lightweight enough to carry anywhere or attach to your gear
- Record images and videos with a simple trigger-pull*
- Water-resistant (IP67), and rugged enough to withstand a drop from 2 m (6.6 ft) onto a concrete floor
- 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

- K33 240 × 180 (43,200 pixel) resolution and K53 320 × 240 (76,800 pixel) resolution to see clearly in smoky environments
- Rapid refresh-rate (60 Hz) for better on-scene orientation
- FLIR FSX digital processing adds edge detail for greater perspective and increased navigational capabilities
- Bright and easy to see 4" LCD display



IMPROVED TACTICAL DECISION-MAKING

High-quality imaging can be standard issue for every firefighter

- Affordable enough for fire crews to have multiple TICs in use at a fire scene
- Provides clear visual information needed to make crucial tactical decisions
- Stores thermal images and video clips to access for on-scene review or to produce scene incident reports*

*K53 model only

SPECIFICATIONS

| | | |
|--|---|--|
| Thermal imaging and optical data | K33 | K53 |
| IR resolution | 240 × 180 (43,200 pixels) | 320 × 240 (76,800 pixels) |
| Thermal sensitivity/NETD | <40 mK @ 86°F (30°C) | <30 mK @ 86°F (30°C) |
| Image/video storage | NA | Up to 200 image or video files (max. duration of 5 min) |
| Refresh rate | 60 Hz | |
| 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 | Selectable on/off in FLIR Tools | |
| Image modes | Fixed color scale, TI Basic | |
| 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 | |
| Data transfer and compatibility | | |
| USB type | USB mini-B | |

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| Interfaces | Update from PC devices, data transfer to and from PC |
| 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 |
| 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) |
| Safety (power supply) | CE/EN/UL/CSA/PSE 60950-1 |
| Size (L × W × H) | 4.7 × 4.9 × 11 in (120 × 125 × 280 mm) |
| Tripod mount | UNC 1/4"-20 |
| Package contents | |
| K33 or K53 TIC, 2 batteries, battery charger, hard transport case, lanyard strap, neck strap, power supply, printed documentation, retractable lanyard, USB cable. Optional truck charger available. | |



CORPORATE
HEADQUARTERS
FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: +1 877.773.3547

NASHUA
FLIR Systems, Inc.
9 Townsend West
Nashua, NH 03063
USA
PH: +1 866.477.3687

CANADA
FLIR Systems, Ltd.
3430 South Service Road
Suite 103
Burlington, ON L7N 3T9
Canada
PH: +1 800.613.0507

LATIN AMERICA
FLIR Systems Brasil
Av. Antonio Bardella, 320
Sorocaba, SP 18085-852
Brasil
PH: +55 15 3238 8070

www.flir.com
NASDAQ: FLIR

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