

 SECURITY

FLIR THERMAL FENCE

Detect. Assess. Respond. Instantly.

 FLIR

THE FLIR THERMAL FENCE

Fully integrated perimeter alert system for simultaneous threat detection and assessment.

The FLIR Thermal Fence is a fully integrated perimeter security solution that provides accurate intrusion detection and instant visual alarm assessment capability while minimizing false alarms.

Thermal security cameras make pictures from heat not light, so they can see clearly in total darkness and through smoke, dust, and light fog. They allow you to see more and see farther than any other night vision technology on the market today, and even see clearly in bright sunlight.

By combining FLIR's thermal security cameras and the FLIR Sensors Manager (FSM) control and management software, the FLIR Thermal Fence provides automated perimeter surveillance, intrusion detection, and alert capabilities for every perimeter security application including critical infrastructure, petro-chemical facilities, nuclear facilities, commercial campuses, and residential installations.

Featuring the industry-leading line of IP thermal security cameras, the FLIR Thermal Fence gives you instant, automated threat detection and visual threat assessment capability around the clock in one easy-to-use package.

Its thermal security cameras are fully networked with FLIR Sensors Manager, a comprehensive sensor management software package that lets you manage the alarms from a range of third-party sensor manufacturers, including fence sensors, ground sensors, radars, and much more. The optional nDVR Sensor Activity Recorder provides integrated alarm and activity recording capability over your Thermal Fence.

The integral geo-referenced mapping function features FLIR's unique slew-to-cue function, which commands FLIR's pan/tilt IP thermal security cameras to point at the precise coordinates of any alarm generated by any sensor on your FLIR Thermal Fence network. This allows the operator to immediately perform a visual inspection of the alarm, expediting a human response to the event.

FSM's advanced video analytics use algorithms specifically designed to work with thermal video, allowing you to create customized rules for trip wires, exclusion zones, temperature alarms, and directional alarming while providing a much lower rate of false alarms than other analytics packages.



Person in red box detected at 200 yards in total darkness.



Person approaching video trip wire alarm zone at 350 yards



Aerial view of thermal camera layout depicting their fields of coverage and delineating the FLIR Thermal Fence perimeter.

Less expensive than installing a new physical barrier, and less intrusive than an expensive lighting infrastructure, the FLIR Thermal Fence allows security professionals to:

- Augment their alarm detection and assessment capabilities along existing physical fence lines
- Establish a virtual perimeter in areas that cannot be fenced due to economic, environmental, or logistical restrictions
- Bolster the security of critical zones within existing secured perimeters by creating exclusion zones and establishing concentric rings of increasingly stringent security coverage
- Optimize the focal lengths of their FLIR thermal security cameras to reduce total cost of installation-related infrastructure such as power, poles, trenching, cabling, head end, storage, and network bandwidth
- Modify and expand your thermal fence quickly and easily as you needs evolve
- Use FLIR Thermal Fence's modularity and flexibility to grow and modify any Thermal Fence installation as needs grow and change. In addition, FLIR has annual support and software update packages available.

The FLIR Thermal Fence can be configured with a nearly infinite combination of thermal security cameras, fence sensors, radars, seismic sensors, and fiber nets, making it the perfect perimeter security and alarm detection and assessment tool for residential installations, corporate campuses, petrochemical facilities, power generation and transmission facilities, and everything in between.



NUCLEAR FACILITY

- ① F-series fixed-site thermal security cameras
- ② Multiple PT-series multi-sensor thermal security cameras geo-referenced with slew-to-cue capability
- ③ Exclusion zones -----

This illustration of a sample FLIR Thermal Fence installation at a nuclear power generation facility shows a graphical schematic of how FLIR's thermal security cameras and FSM software can be used to overlapping fields of regard and nearly instantaneous visual assessment of any alarm along physical and virtual perimeters alike.

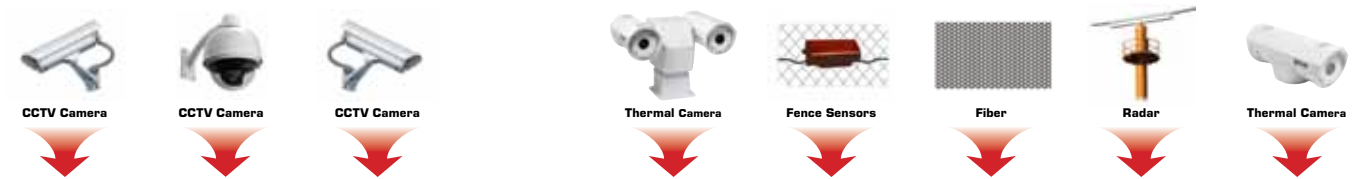
A COST-EFFECTIVE FORCE MULTIPLIER

Side-by-side with your CCTV network

The FLIR Thermal Fence is the only solution on the market today that brings the control and monitoring of all of your perimeter security sensors together in one place. It operates over the same IP network as your existing CCTV camera network, but displays all of your thermal camera video and other sensor outputs on a single convenient display.

All of your thermal cameras and other perimeter security sensors are fully integrated and geo-referenced on a map of your facility for rapid detection and threat assessment, allowing you to deploy your assets efficiently, effectively, and to their full advantage.

Because FLIR Thermal Fence operates in parallel with your existing security video network, there's no disruption to that network while you implement the Thermal Fence, and no expense incurred for re-training on a new CCTV sensor networking solution. In fact, the FLIR Thermal Fence provides built-in redundancy, so that even if your VMS goes down, your Thermal Fence and all of its affiliated sensors will still be on the job. To learn more about the FLIR Thermal Fence, visit www.flir.com today!



IP Network



CCTV VIDEO MANAGEMENT SYSTEM



FLIR THERMAL FENCE



For more information about
FLIR Sensors Manager,
visit www.flir.com.

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