



ThermoVision:
Thermal Security Solutions



see farther, see more, 24/7

react faster

reduce risk of missed threats

lower total cost of ownership



Sophisticated **security** threats require sophisticated **solutions**

Security for major industrial, infrastructure, and transportation facilities has become increasingly challenging. Today's intruders are not only more sophisticated, they're potentially more *dangerous*. All it takes is a single person or vehicle to penetrate your facility – one event to damage critical assets, destroy infrastructure or threaten lives.

And with so many vulnerable conditions – the dark of night, dense fog, far distance, thick smoke, people hiding in shadows – you need a system that allows you to see farther, recognize more detail, and react quicker.

The Problems of Current Surveillance Methods.

Conventional CCTV and low light camera technologies cannot provide the 24/7, comprehensive coverage necessary to effectively monitor your perimeter, open

areas, and hidden places in all conditions. Above all, since these require illuminating the security zone with lights or IR illuminators, you're essentially laying out a route of attack for intruders, showing them how to get in undetected, where to hide, and how to avoid your cameras.

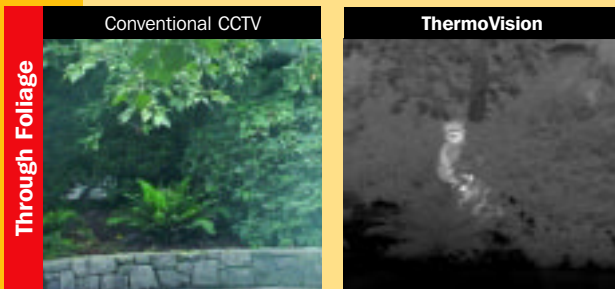
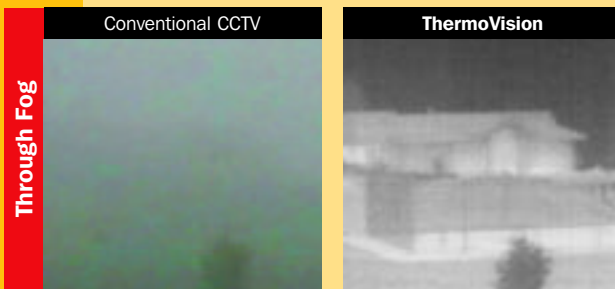
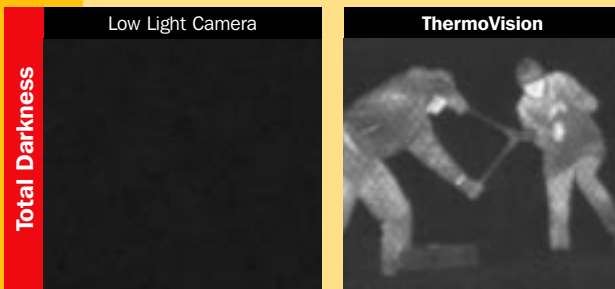
Installation, maintenance, and energy costs of illumination significantly increase your total cost of ownership without necessarily providing the additional security you need.

Your Solution: ThermoVision™ by FLIR.

FLIR's **ThermoVision** Solutions give security managers a new weapon for intrusion detection. Now you can eliminate the problems inherent to conventional security systems while getting a covert surveillance method. You'll see farther, recognize more detail, and react quicker. In turn, you'll achieve your important task: protecting people, assets, and infrastructure.



The Benefits of ThermoVision: Clearer Recognition, Wider Coverage, Safer Facilities



ThermoVision allows you to monitor activity 24/7, from long distances, through any condition.

The Evolution of Thermal Technology.

Thermal technology was originally developed by the U.S. military to enable soldiers to “own the night”. FLIR’s ThermoVision Solutions take proven thermal imaging technology to an entirely new level, giving facilities the most effective method for detecting, and responding to, security threats.

See Farther, React Faster.

ThermoVision solutions include state-of-the-art sensor and signal processing technologies, enabling you to monitor and detect activity from long distances – in some cases, from as far 20 km. And you can do so 24/7, in any condition: at night, in dark and shadowed areas, in fog, rain, snow, haze and smoke, and over waterways. You detect intruders sooner, providing more time to react.

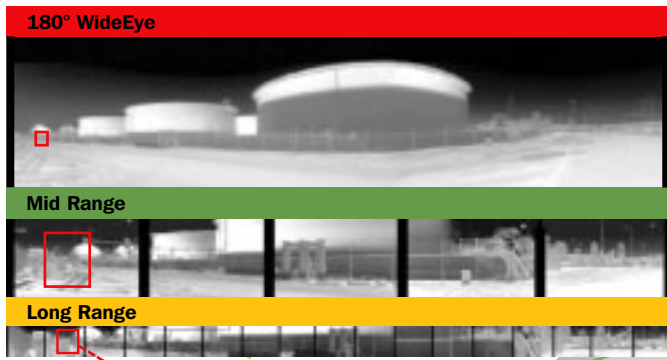
See Intruders Without Being Seen.

Sophisticated intruders can locate your cameras, illumination patterns and plot a route of attack. But with ThermoVision, your security efforts become covert: since thermal technology doesn’t require any form of natural or artificial illumination, intruders won’t even know they’re being watched. ThermoVision also defeats possible countermeasures such as flashlights, handheld lasers, and smoke generators, giving you an insurmountable advantage.

Higher Contrast Images Lower Your Risk.

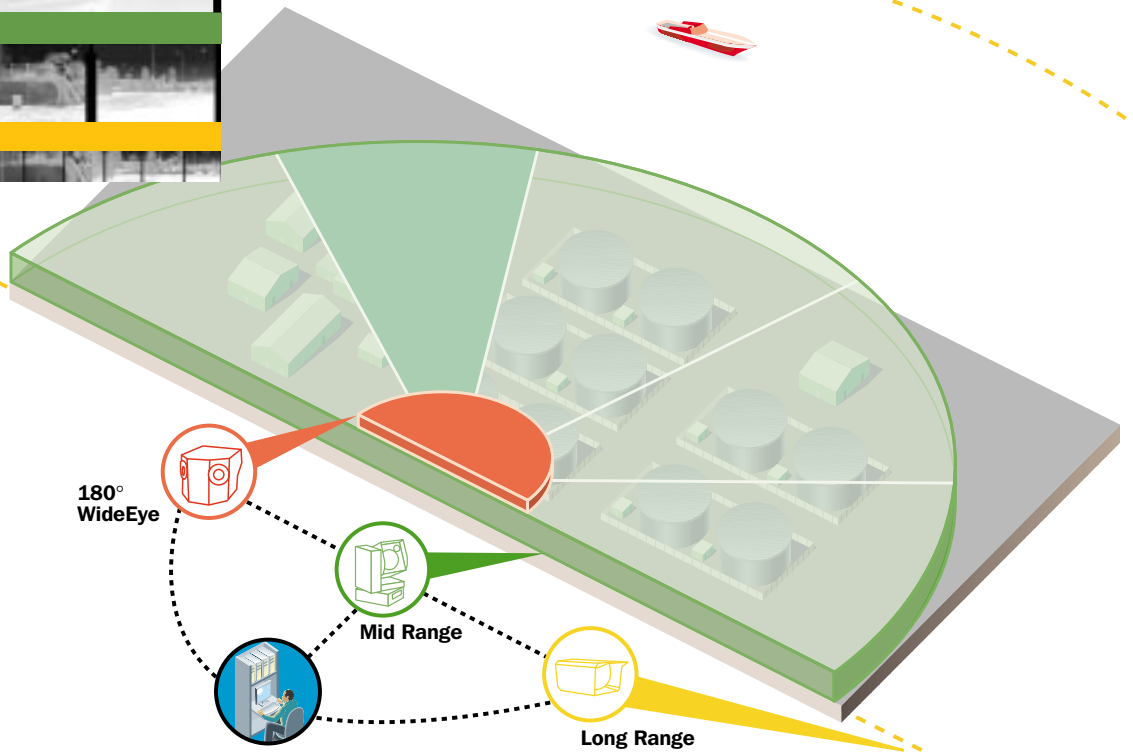
With ThermoVision, people and vehicles appear as high-contrast targets against the background, even if intruders are hiding in the bushes or shadows. Higher contrast reduces the number of false alarms and missed threats, for both human operators and intelligent vision systems.





Layered Situational Awareness (LSA)

FLIR Thermal cameras identify intruder. To learn more about LSA, visit www.flirsecurity.com/LSA



Low risk, **high value**
security **solutions**

Keeping You Aware of Every Situation, Within Every Layer.

No matter the security environment, your protection is only as effective as the cameras you deploy. Or where you point them. FLIR solutions provide effectiveness *and* coverage – we call it **Layered Situational Awareness (LSA)**, the unsurpassed ability to have seamless, universal coverage across your entire security zone.

LSA means deployment of multiple cameras, each with a specific range and field-of-view capability, all within an overlapped and fully networked environment. Each camera is optimized for a specific “layer”, so you can immediately detect and recognize targets. It’s comprehensive, real-time awareness of all activity in the security zone. Not only do you get to threats earlier. Nothing can get past you.

Geared for Facility Network Infrastructures.

FLIR products are future and backwards compatible: we support both legacy interfaces and emerging IP-based standards, so our products are plug-and-play with your existing video and security systems, as well as any future network build out. ThermoVision solutions also include software tools that let you seamlessly integrate thermal technology into existing command and control software environments.

The Right Combination of Equipment.

We tailor networked thermal security packages rather than single items. All FLIR products interoperate with one another – cameras are just one part of entire integrated suite, giving you the right combination of equipment and software. And since all of the equipment comes from a single source, you’ll get fast installation and reduce overall integration costs.

Unsurpassed Reliability.

The Recognized Leader: We’ve delivered and supported over 50,000 thermal cameras, with integrated surveillance subsystems currently deployed in security applications worldwide. That’s just one reason why FLIR is recognized as the leader in thermal imaging solutions.

Vertical Integration: FLIR controls the entire supply chain. From components to packaging to software, your entire system comes from a single supplier. Everything’s designed specifically for conducting facility surveillance.

Technology and Support: FLIR combines mature thermal technology, camera and system design, and rigorous environmental testing to assure compatibility with every possible deployment condition. Plus, our 40 offices worldwide are ready to assist with all of your rapid support needs.

A Range of Options: We offer a broad spectrum of solutions, price points, performance specifications, and configuration options. Count on FLIR to supply a solution for your specific security requirements.

Protecting People, Assets, and Infrastructures



- ThermoVision solutions are designed specifically for facility security.
- See farther, recognize sooner, react faster, 24/7 with no lights or illuminators.
- Covert and difficult to defeat.
- Real time immediate awareness throughout the security zone.
- IP network and legacy compatibility.
- A range of price points and solution options.
- Engineered for reliability and maintainability.
- Worldwide support.



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When it comes to securing your property,
go with the leading technology, services,
training, and worldwide support. FLIR is

Your **long-term**
partner in
facility security

always innovating with significant R&D
spending on advanced thermal solutions
for security applications. That's why
facilities around the world trust FLIR with
their most important task: protecting
their people, assets, and infrastructures.

Learn more by visiting

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