Video security solutions for
Industrial Perimeter Protection & Intrusion Detection

PROTECTING YOUR PEOPLE AND BUSINESS

FLIR | The World’s Sixth Sense®
VIDEO SECURITY FOR INDUSTRIAL PERIMETER PROTECTION AND INTRUSION DETECTION

Industrial facilities represent one of the toughest challenges for safety and security professionals. Physical plants that cover enormous areas, with many points of entry and extended perimeters. Complex, dangerous equipment that must be monitored for proper access and use. Buildings that have varying levels of access authorization. Extreme indoor and outdoor operating conditions.

FLIR’s comprehensive family of industrial video solutions provides high-definition, high-performance video surveillance and threat verification for all of these needs. From tracking distant targets approaching a facility to detecting intruders as they attempt to breach the perimeter. When alerts need to be managed in a centralized control center or sent to a remote client. From live video streams sent from a security patrol to automated siren activation to remotely opening or closing a gate. FLIR has the video security solutions you need for managing industrial security events.

- **Perimeter Protection and Monitoring**
  Monitor and protect your site perimeter 24/7 with thermal cameras from FLIR. Thermal imaging allows you to see your environment day and night and in the most difficult weather conditions.

- **Intrusion Detection**
  Create a fully integrated perimeter security solution with FLIR cameras and video analytics, and enable accurate intrusion detection and instant visual alarm assessment while minimizing false alarms.

- **Enterprise-Wide Video Management**
  Manage your video surveillance operations effectively and securely over IP networks with FLIR’s cutting-edge Video Management System Solutions.

- **Video Recording**
  Record and distribute security camera streams in high quality and quickly locate archived recordings for additional evaluation and analysis.

OIL & GAS

- Day/Night HD video coverage, including inclement weather, using both visible light and thermal camera technology
- Remote connection, configuration and control for cameras, for faster installation and configuration with minimal need for ongoing on-site maintenance
- Flexible, centrally managed video recording, indexing and retrieval that scales from local installations to enterprise-wide deployment
- Real-time video verification, including two-way audio, to validate the severity of a threat and to separate animal from human intrusion
MINING

- Hardened cameras and other equipment designed to operate under extreme conditions, both indoors and out
- Works across long cable runs, enabling cameras to be located farther from centralized command and control centers without loss of quality
- Real-time video verification, including two-way audio, to validate the severity of a threat and eliminate false alarms prior to dispatching first responders
- Remote connection, configuration and control for cameras, for faster installation and configuration with minimal need for ongoing on-site maintenance

MANUFACTURING

- Day/Night HD video coverage, including inclement weather, using both visible light and thermal camera technology
- Real-time video verification, including two-way audio, to validate the severity of a threat and eliminate false alarms prior to dispatching first responders
- Cost-effective bridge from analog to digital infrastructure, using IP-based cameras that deliver HD quality and two-way audio over both coax and IP infrastructure
- Flexible, centrally managed video recording, indexing and retrieval for centralized operations across multiple facilities

AUTOMOTIVE

- Hardened cameras and other equipment designed to operate under extreme conditions, both indoors and out
- Day/Night HD video coverage, including inclement weather, using both visible light and thermal camera technology
- Remote connection, configuration and control for cameras, which minimizes the need to dispatch staff to configure and operate equipment
- Flexible, centrally managed video recording, indexing and retrieval that supports both real-time analytics for active threat identification and forensic storage for evidentiary requirements
- Works across long cable runs, enabling cameras to be located farther from centralized command and control centers without loss of quality
FLIR’s industrial solutions deliver end-to-end video surveillance for manufacturing, refining, and similar facilities. These large, highly complex plants present a variety of security challenges:

- Extended perimeter areas
- Multiple levels of internal restricted access areas
- Variable ingress/egress traffic patterns
- Animal vs. human incursion
- Multiple remote facilities needing central management

FLIR’s combination of visible light and thermal cameras, video analytics, video management systems (VMS) and streamlined integration with other physical security solutions helps industrial security professionals address these areas of vulnerability through intelligent, cost-effective, video-driven solutions.

A complete product family
FLIR’s security applications for industry represent a complete product family for facility perimeter, building exterior, and building interior coverage. Cameras support visible light and thermal imaging, with fixed, dome and pan-tilt-zoom (PTZ) options available for long-term, ruggedized performance. Cameras automatically link with FLIR network video recorders (NVRs) to simplify installation and configuration. Live and recorded video can be access through centralized operations centers, or remotely on laptops, tablets, and smartphones via easily configured, highly secured Cloud-based apps.

Reliable detection with low false alarm rate
Thermal cameras from FLIR combine best-in-class thermal image detail and high-performance analytics to deliver optimal intrusion detection in challenging imaging environments. FLIR cameras are easy to set up and capable of classifying human or vehicular intrusions with low false alarm rates.

Real-time video verification to eliminate false alarms
FLIR’s cameras, NVRs, and VMS products offer two-way audio over both analog and digital networks. This powerful combination helps eliminate false alarms by giving operators the ability to see what is happening in real-time when an alert has been issued, and to then challenge any individuals located in unauthorized areas. FLIR’s commitment to open systems standards means that this capability integrates easily with access control, fire, and other alarm systems, ensuring visual coverage across the facility, no matter what the type of alert.

Clear upgrade path from analog to IP-based digital infrastructure
Many of FLIR’s HD cameras operate simultaneously on both analog and digital networks. This advanced capability works across the exceptionally long cable runs that are common in industrial facilities. Customers gain the advantages of HD surveillance without the expense and complication of replacing existing coax networks. Replacement with IP-based cabling can be done in phases, allowing for graduated, cost-effective upgrades to IP-based backbones over time.

Open platform for complete integration
FLIR focuses on flexible open platform solutions, developing custom applications that seamlessly integrate with third-party products to ensure the highest levels of interoperability and performance.

For more information visit our website: www.flir.com/security