SECURITY SYSTEMS

- **Long-Range Security**
  - ThermoVision® 2000
  - ThermoVision® Ranger

- **Mid-Range Facility Security**
  - ThermoVision® Sentry
  - ThermoVision® Sentry POD
  - ThermoVision® Security

- **Handheld & Maritime Security**
  - MilCAM™ Series
  - ThermoVision® SE 1
  - ThermoVision® SE 10
  - SeaFLIR™

SECURITY SYSTEMS
www.flir.com/ss
APPLICATIONS

- Perimeter Security
- Marine Security
- Port Security
- Wide Area Surveillance
- High-Value Asset Protection
- Critical Area Monitoring
- Access Control
- Parking Facilities
- Traffic Control
- Search & Rescue
- Border Patrol
- Night Observation

THE THERMAL IMAGING ADVANTAGE

FLIR’s thermal imaging cameras turn night into day and obscurity into clearly visible images. With range and detection capabilities that outperform conventional night-vision equipment, light amplification devices, and active infrared illumination systems, our non-obtrusive technology generates video by capturing the heat emitted by humans, mechanical devices, and all objects found in the environment. Thermal imaging has long been the military’s technology of choice due to its effectiveness at detecting and monitoring human-related activity in summer and winter. By employing FLIR’s thermal imaging cameras, security programs benefit from maximum situational awareness 24 hours a day in the harshest weather conditions.

TERRORISM, VANDALISM, AND RANDOM VIOLENCE THREATEN THE SAFETY OF PERSONNEL AND THE INTEGRITY OF PUBLIC AND PRIVATE FACILITIES. A COMPREHENSIVE SECURITY PROGRAM UTILIZING THERMAL IMAGING IS THE KEY TO ASSET PROTECTION AND RISK MITIGATION. THERMAL IMAGING EXPOSES THREATS HIDDEN IN THE DARKNESS, CONCEALED BY ADVERSE WEATHER, AND VEILED BY OBSCURANTS LIKE DUST, FOG, AND SMOKE THAT EASILY BLIND OTHER TECHNOLOGIES.

THermal Cameras VS. Conventional & Low-Light TV

LOW-LIGHT TV IN DARKNESS

CONVENTIONAL CCTV

FLIR THERMAL

SHORT-RANGE IMAGING THROUGH FOG ~ 500m

CONVENTIONAL CCTV

FLIR THERMAL

LONG-RANGE IMAGING THROUGH FOG ~ 3km

CONVENTIONAL CCTV

FLIR THERMAL

IMAGE INTENSIFIER NEAR NO-LIGHT

IMAGE INTENSIFIER

FLIR THERMAL

IMAGING THROUGH SMOKE

CONVENTIONAL CCTV

FLIR THERMAL

AS THE GLOBAL LEADER IN THERMAL IMAGING, FLIR SYSTEMS’ IMAGERS DELIVER CLEAR, HIGH-CONTRAST SURVEILLANCE SOLUTIONS 24 HOURS A DAY. ENHANCE YOUR SECURITY PROGRAM INTEGRITY BY INCORPORATING FLIR SYSTEMS’ THERMAL IMAGING CAMERAS INTO YOUR PREVENTION STRATEGY, AND RESPOND BEFORE CATASTROPHE STRIKES.
LONG-RANGE SECURITY

ThermoVision 2000
A three field-of-view long-range thermal imaging system, offering unmatched performance from its long-wave, GEN-III focal plane array infrared sensor. The field-hardened enclosure withstands severe environmental conditions and provides high-resolution images at distances exceeding 10 km.

ThermoVision Ranger
A two field-of-view long-range thermal imager with an environmentally qualified enclosure designed for integration into mobile and fixed systems. Its mid-wavelength GEN-III focal plane array infrared sensor delivers superior images in adverse weather.

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ThermoVision Sentry POD
Its uncooled microbolometer detector offers continuous day/night surveillance in a rugged, sealed, easy-to-use dual-camera module. Easily integrated with existing systems, it also includes advanced functions like auto-focus and InstAlert® color video tagging.

ThermoVision Sentry
A continuous day/night surveillance system, featuring an uncooled microbolometer detector, an integrated pan/tilt mechanism, and designed for wide area surveillance. Its pan/tilt feature includes programmable multi-point autoscan and networking capabilities.

ThermoVision Security
A single field-of-view uncooled thermal imager in a compact easy-to-integrate package. Offering exceptional price performance, it brings thermal imaging capability to any CCTV security system.

MID-RANGE & FACILITY SECURITY

ThermoVision Sentry POD
Its uncooled microbolometer detector offers continuous day/night surveillance in a rugged, sealed, easy-to-use dual-camera module. Easily integrated with existing systems, it also includes advanced functions like auto-focus and InstAlert® color video tagging.

ThermoVision Sentry
A continuous day/night surveillance system, featuring an uncooled microbolometer detector, an integrated pan/tilt mechanism, and designed for wide area surveillance. Its pan/tilt feature includes programmable multi-point autoscan and networking capabilities.

ThermoVision Security
A single field-of-view uncooled thermal imager in a compact easy-to-integrate package. Offering exceptional price performance, it brings thermal imaging capability to any CCTV security system.

HANDBLED & MARINE SECURITY

MilCAM Series
A high-performance family of infrared imagers offering handheld design and unprecedented viewing from multi-kilometer distances. Lightweight and highly ruggedized, they deliver razor-sharp imagery under the most diverse viewing conditions.

ThermoVision SE 1
A small, light, “flashlight”-style personal imager offering an uncooled microbolometer detector, interchangeable lenses, and a simple user interface. Its 2.5” LCD display provides detailed images for applications within 1 km.

ThermoVision SE 10
A lightweight, yet highly ruggedized, handheld imager with a high-resolution uncooled microbolometer detector, interchangeable lenses, and a simple user interface. It offers crisp imaging for distances up to 1.5 km.

SeaFLIR
A compact, marinized, medium- to long-range thermal imager for marine installations. Its sealed 9” gimbal enclosure offers 360° rotation and active stabilization. Optional configurations address many maritime needs by combining infrared, color CCD, low-light CCD, and laser rangefinding payloads.
SECURITY systems

There is a FLIR imager for every need.
Follow the color codes to match systems, applications and images.

TRANSPORTATION & ENERGY INFRASTRUCTURE PROTECTION
Protect valuable infrastructure day and night in all types of weather. Combine long-range and mid-range thermal imaging systems for comprehensive surveillance of nuclear power plants, airports, bridges, petrochemical facilities, pipelines, and cargo terminals.

MARINE SECURITY & SURVEILLANCE
Monitor extended areas of open water, shoreline, ports, harbors, and dock facilities. In daylight or darkness, and during conditions thatrender other technologies ineffective, thermal imaging is the ideal choice for active surveillance against intrusion, unauthorized approach, and other potential safety hazards.

INDUSTRIAL SECURITY
Protect personnel and facilities. Night and day, FLIR’s thermal imaging systems detect intruders where conventional CCTV systems fail. Requiring no external lighting, thermal imaging provides vivid, high-contrast video of intruders, even when hidden by obscurants such as fog, smoke, steam, or lack of ambient light. This makes thermal imaging ideal for in-plant surveillance, perimeter monitoring, and high-value asset protection.

PERIMETER SECURITY
Maintain perimeter integrity with a network of camera systems that provides uninterrupted detection of intruders 24 hours a day. Select from a wide range of handheld and platform-mounted systems ideal for factories, airports, commercial complexes, and private residences.

GOVERNMENT & PUBLIC FACILITIES SECURITY
Enhance 24-hour security and improve general safety at embassies and public use facilities. FLIR’s thermal imaging cameras easily integrate into existing video security systems, providing imagery that outperforms conventional CCTV by seeing clearly in total darkness and under adverse conditions.
SECURITY SYSTEMS
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SeaFLIR
FLIR Technology

TECHNOLOGY LEADERSHIP
FLIR’s engineering expertise and integration experience is unparalleled. As the world leader in advanced infrared imaging solutions, FLIR is uniquely positioned to meet your most demanding requirements.

DESIGNED FOR YEARS OF USE
With a broad customer base in the military, industrial, and commercial sectors, FLIR is well known for manufacturing reliable products designed to provide years of unmatched performance. Founded in 1966, FLIR Systems, Inc. continues to develop products meant to exceed the requirements of the world’s most demanding users.

OPTICS FABRICATION
FLIR’s in-house optics fabrication capability gives us full control over the manufacturing process, ensuring the highest levels of optical quality and guaranteeing flawless integration with all FLIR system components.

PARTNERING WITH OEMS AND SYSTEMS INTEGRATORS
FLIR’s technologies - from components, to subsystems, through turnkey imaging packages - are available for integration into larger OEM systems. Our track record of partnering with OEMs and systems integrators is extensive and highly successful. Our applications engineers work closely with your organization every step of the way, from initial design exploration through on-site implementation and training.

Networking

NETWORKING CAPABILITIES
FLIR Systems’ thermal cameras are designed for easy integration into existing CCTV networks and new enterprise security systems using embedded controllers and optional video interfaces. Digital video network connectivity is easily accomplished using third-party network solutions. All of FLIR’s cameras generate standard NTSC or PAL video and are fully compatible with standard analog and digital video components such as switches, recorders, multiplexers, monitors, and video processors.

SYSTEM INTEGRATION
A wide spectrum of sensor and package options supports easy installation and rapid integration, allowing system designers to address mission requirements without compromise. Physical camera packages range from rugged, weatherized systems that require no additional protection, to streamlined models ideal for use with standard weatherproof CCTV camera enclosures. A diverse selection of high-performance lenses addresses the full range of detection and observation requirements. System control options range from turnkey remote panels with integrated joystick controller and LCD display, to stand-alone cameras incorporating RS-232/422 control interfaces. FLIR’s adherence to standard video format and control interface protocols provides compatibility with the full range of microwave, optical, and hardwired networks.
FLIR has delivered more than 30,000 sophisticated thermal imaging systems to demanding military, public service, commercial and industrial customers worldwide.

**U.S. GOVERNMENT ORGANIZATIONS**
- U.S. Air Force
- U.S. Army
- U.S. Navy
- U.S. Marine Corps
- U.S. Secret Service
- U.S. Customs Service
- Naval Research Lab
- Federal Bureau of Investigation
- U.S. Department of State
- U.S. Capital Police

**INTERNATIONAL GOVERNMENT ORGANIZATIONS**
- Akita Police, Japan
- Australian Federal Police
- Canadian Armed Forces
- DOD, Canada
- Japanese Coast Guard
- Portuguese Air Force
- Royal Canadian Mounted Police
- Royal Malaysian Air Force
- Royal Netherlands Air Force
- Spanish Army
- Spanish Air Force
- United Kingdom, Ministry of Defence

**INDUSTRIAL CUSTOMERS**
- Intel
- IBM
- General Motors
- Ford Motor Company
- Texaco
- Phillips Petroleum
- Dow Chemical
- Dell Computer Corporation
- Honda Motor Company
- Kodak
- Entergy
- American Electric Power
- Chubb Insurance Company
- Owens/Brockway Glass Co.
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