<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR SAFIRE I</td>
<td>High Performance/Multi Payload, Search &amp; Rescue, Surveillance, Drug Interdiction, Anti-Surface Warfare (ASUW), Anti-Submarine Warfare (ASW)</td>
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<tr>
<td>STAR SAFIRE II</td>
<td>High Performance/Multi Payload, Combat Search &amp; Rescue (CSAR), Coastal Patrol</td>
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<tr>
<td>Ultra 7500</td>
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<td>MicroSTAR</td>
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<tr>
<td>SeaFLIR</td>
<td>Long-Range Broadcast/Low Light, Law Enforcement, Anti-Piracy, Vessel Traffic Monitoring</td>
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<tr>
<td>UltraFORCE II</td>
<td>Ultrasound, Anti-Piracy, Vessel Traffic Monitoring</td>
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<td>UltraMedia III/LE II</td>
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Above it All

THE FLIR AIRBORNE IMAGING ADVANTAGE

FLIR Systems has led the airborne thermal and visible imaging market since 1976, providing unrivaled low enforcement and broadcast news professionals with an extensive line of airborne imaging products that solve a broad range of mission challenges.

Day or night and in any type of weather, FLIR’s imaging systems provide police with the range and detection capabilities that consistently deliver successful results. By choosing FLIR, professional planners place into action the right imaging tool for their specific needs, assured that FLIR’s years of highly skilled professionals provide training, integration support and service, as well as rapid delivery in a cost effective manner. Innovation and an uncompromising dedication to product quality are what make FLIR the worldwide leader.

APPLICATIONS

- Search & Rescue (SAR)
- Low Enforcement
- Drug Interdiction
- Surveillance
- Targeting
- Anti-Surface Warfare (ASW)
- Combat Search & Rescue (CSAR)
- Coastal Patrol
- Navigation & Situational Awareness
- Pollution Control
- Electronic News Gathering
- Unmanned Aerial Vehicles
- Reconnaissance
- Anti-Submarine Warfare (ASW)
- Fire
- Public Utility Surveillance

AIRBORNE WORLDWIDE USER BASE

The FLIR airborne imaging system is widely used by government agencies worldwide. FLIR provides a broad range of airborne imaging systems for law enforcement and broadcast news professionals in action in over 70 countries.

U.S. GOVERNMENT ORGANIZATIONS

- U.S. MARITIME PATROL
- U.S. COASTGUARD
- U.S. DEFENSE
- U.S. NAVY
- U.S. ARMY
- U.S. AIR FORCE
- U.S. MARINE CORPS
- U.S. PARK POLICE
- U.S. BORDER PATROL
- U.S. DEPARTMENT OF STATE
- U.S. DEPARTMENT OF JUSTICE
- U.S. NATIONAL GUARD
- U.S. NAVAL AIR WARFARE CENTER
- U.S. MILITARY ACADEMY
- U.S. FISH AND WILDLIFE SERVICE
- U.S. DEPARTMENT OF ENERGY
- U.S. FEDERAL BUREAU OF INVESTIGATION
- U.S. MINE SAFETY AND HEALTH ADMINISTRATION
- U.S. COAST GUARD
- U.S. DEPARTMENT OF TRANSPORTATION
- U.S. DEPARTMENT OF ENERGY
- U.S. DEPARTMENT OF COMMERCE
- U.S. DEPARTMENT OF THE INTERIOR
- U.S. DEPARTMENT OF DEFENSE
- U.S. DEPARTMENT OF JUSTICE
- U.S. DEPARTMENT OF THE NAVY
- U.S. DEPARTMENT OF THE ARMY
- U.S. DEPARTMENT OF THE AIR FORCE
- U.S. AIR RESCUE SYSTEMS
- U.S. NAVAL AIR SYSTEMS COMMAND
- U.S. NAVAL AIR CRANE SYSTEMS
- U.S. NAVY AIR МоRE...
### High Performance / Multi Payload

**Star SAFIRE I**
Deployed worldwide and well proven, the Star SAFIRE I combines a Gen-III high-resolution thermal imager with a variety of payloads to meet mission requirements. Available with daylight TV, laser rangefinder, laser pointer, autotracker and a wide variety of aircraft interfaces.

**Star SAFIRE II**
Providing industry-leading Gen-III high-resolution mid-wave thermal imagery with 50% longer standoff range, the Star SAFIRE II is the world standard in COTS FLIR technology, including five separate payloads: Long-range thermal imager, low-light TV, ultra long-range spotter scope, laser rangefinder and laser illuminator.

**STAR Q**
Pioneering Gen-III longwave IR technology, the QWIP-based STAR Q offers long-range IR and daylight performance in a militarized gimbal. Available with 3-CCD TV camera, ultra long-range spotter scope, laser rangefinder, autotracker and a variety of aircraft interfaces.

**UltraFORCE II**
Featuring FLIR’s new longwave Gen-III QWIP technology, the UltraFORCE II offers unmatched IR and TV performance in an economical product. Crisp, clear images are obtained through a 3 FOV thermal imager with auto focus and a 54X zoom 3-CCD TV camera. An optional spotter scope or laser rangefinder can also be selected.

### High Performance / Targeting

**BriteSTAR**
BriteSTAR is an advanced laser designator/rangefinder thermal imaging system designed for both fixed and rotary wing attack aircraft. The system is built around the proven Star SAFIRE II mid-wave thermal imager, which is currently in production and fielded on numerous aircraft worldwide.

### Compact Turret / Multi Sensor

**Ultra 7500**
The number one choice for law enforcement agencies worldwide, the Ultra 7500 is the smallest and lightest system on the market. Its Gen-III InSb thermal sensor with a 10:1 continuous zoom IR lens, high quality TV camera with auto focus and zoom lens, and optional laser pointing capability provides stunning images.

**Mark II**
A small, lightweight, gyro-stabilized multi-sensor system that is in use by hundreds of law enforcement agencies today. Offering excellent imagery from its Gen-I longwave multi-element IR image and CCD TV camera.

**SeaFLIR**
SeaFLIR’s unique operator-selectable turret orientation and quick release mount allow it to easily move from aircraft to ship. It is fully marinized with a sealed ECU and salt resistant gaskets, paints and sealants. All models feature a military-proven 650mm long-range IR zoom optical system. Available with GPS and radar slaving interfaces.

**MicroSTAR**
Optimized for size and weight, the MicroSTAR’s specifications lead the industry. It incorporates a high resolution Gen-III IR imager with zoom lens, CCD camera, optional laser illuminator and UAV protocol for wireless communications.

### Long-Range Broadcast / Low Light

**UltraMedia LE II**
UltraMedia LE II combines an image intensifier and a low-light CCD camera with a versatile long-range lens. The UMLE II produces sharp, clear, detailed images with minimal illumination, from extreme stand-off ranges.

**UltraMedia III**
Capture the action in crisp, stunning detail with FLIR’s hermetically sealed, ultra-stable aerial broadcast camera. UltraMedia III offers 5-axis microprocessor-controlled gyro-stabilization, with a choice of 756 or 1000 mm zoom lens, NTSC or PAL format and HDTV upgradeability.
AIRBORNE SYSTEMS

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

SEARCH & RESCUE

Day or night, rescue crews depend on airborne thermal and visual imaging to locate victims and save lives. Innovative mission management systems and auto scanning functions ensure no area is missed.

SURVEILLANCE

The combined capabilities of infrared and CCD-TV airborne imagers effectively support counter-drug, intelligence, evidence gathering, suspect tracking, crowd control and public safety missions by providing a full spectrum of surveillance capabilities.

RECONNAISSANCE

Thermal imaging systems quantify the opponent’s strength on sea or land by locating ground forces, armored vehicles and monitoring troop movements while minimizing risk of detection. Reconnaissance missions can be conducted from GIIR, conventional aircraft and land vehicles.

FIRE FIGHTING

See image through dense smoke, position water drops for maximum effectiveness, guide ground crews to safety. FLIR’s military heritage and longwave performance assure mission success.

EYE

REMOTE IMAGING

Remotely gather intelligence over hostile territory and assess tactical strikes using long-range IR and CCD-TV.

TARGETING

Locates, identifies and designates targets from airborne or maritime platforms. Long-range IR, CCD-TV laser rangefinding and designation capabilities have been combined and integrated into the proven SAFIRE series.

ELECTRONIC NEWS GATHERING

Deliver real-time imagery of events as they happen. Extreme stability, crisp images, and the ability to zoom in close, while maintaining high altitude, define the industry leading attributes of FLIR’s UltraMedia products.
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.

FLUENT IN ALL THERMAL SENSOR TECHNOLOGIES
FLIR offers extensive experience and expertise in all key sensor technologies. In fact, FLIR provides more mission specific solutions incorporating InSb (Indium Antimonide), QWIP (Quantum Well Infrared Photodetector) and microbolometer uncooled focal plane arrays than anyone else in the industry.

FLIR’S TURNKEY SOLUTIONS
The Integration Service and Support program offers customers the option to integrate a full range of accessories including GPS, SLASS and radar slaving. Additionally, FLIR’s world renowned infrared training center (itc) promotes infrared technology through teaching and hands-on application.

COOLERS AND DETECTORS
Strategic partnerships with leading suppliers of uncooled and InSb detectors, together with FLIR’s proprietary micro-cooler and QWIP detector development, ensures technical innovation and uncompromising product quality.

SYSTEM ENHANCEMENTS
FLIR continually integrates innovative tools and engineering enhancements into new and existing systems. FLIR’s Mission Management System was developed in response to customer demands for additional mission planning and execution capabilities. This system combines a mission planning module, on-screen imager control, an integrated digital moving map and a post mission debrief package in a single application.

From initial design to final assembly and test, all aspects of every FLIR product are tightly maintained and controlled.

The Mission Management System’s digital moving map showing the thermal imaging footprint in dark blue.

OEM Partners
FLIR will continue to develop and support an already strong OEM relationship with some of the best and brightest organizations in the aviation industry including:

- AAI
- AMERICAN EUROCOPTER
- AGUSTA WESTLAND
- BELL HELICOPTER
- BOEING
- BRITEN-NORMAN
- CASA
- CESSNA
- EH INDUSTRIES
- EMBRAER
- EUROCOPTER
- GKN AEROSPACE
- KAMAN
- KAZAN
- LOCKHEED MARTIN
- MD HELICOPTERS
- MEGGITT DEFENCE SYSTEMS
- NORTHROP GRUMMAN
- PILATUS
- PROVINCIAL AVIATION
- PZL
- RAYTHEON
- REIMS AVIATION
- ROBINSON HELICOPTER CO.
- SAAB
- SCHWEIZER
- SIKORSKY
- STEC
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- Fire
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**AIRBORNE WORLDWIDE USER BASE**

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<tbody>
<tr>
<td>KABC, WXYZ, KMOV, WGLA, KTVT, KSTP, KTV, KSTP, KX</td>
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**INTRODUCTION**

FLIR Systems provides the perfect solutions for your imaging needs by offering a family of airborne imaging equipment with the features and performance to meet your critical mission requirements.

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