



Airborne Systems

IMAGING SOLUTIONS FOR EVERY AIRBORNE MISSION

OUR CUSTOMERS ARE OUR CREDENTIALS



Augusta Westland AW139 with Star SAFIRE HD



Air National Guard RC-26 with Star SAFIRE HD



Eurocopter MH-65C with Talon



US Army MEDEVAC Blackhawk



Pilatus PC-12 with TALON and Star SAFIRE HD

Extraordinary Vision for Every Mission

Extraordinary Vision is the ability to see what others can't. It's the ability to see first, to act first, the ability afforded by state-of-the-art EO/IR imaging equipment. It provides a decisive advantage. At FLIR, our name is synonymous with this technology.

FLIR Systems is the world leader in electro-optical and infrared (EO/IR) imaging systems — in fact, it's all we do. For more than 40 years, FLIR has pioneered infrared systems of all types including airborne, maritime, land-based, vehicle, and handheld applications.

For FLIR, our customers are our credentials. With over 5,500 stabilized, multisensor airborne systems delivered, to over 80 nations, on over 100 aircraft types, we have more systems in operation, on more platforms, in more nations, than anyone else.

FLIR's total support capability means rapid response and fast turn-around. With all key technologies under one roof, support facilities worldwide, and FLIR's dedication to quality, it all adds up to one thing: Extraordinary Vision when and where you need it.



EADS CASA C-295 with Star SAFIRE III

PROVEN IN ALL APPLICATIONS

Search & Rescue (SAR) and CSAR

FLIR Systems and the U.S. Coast Guard pioneered the use of Infrared Night Vision for non-combat SAR operations, beginning in 1984. Nations around the world now use FLIR Systems for their SAR and CSAR operations, including:

- Austrian Air Force
- Cyprus – RAF Akrotiri
- Swiss Air Force
- Spanish Air Force (CSAR) and SASEMAR
- Portuguese Navy and Air Force
- Royal Danish Air Force and Navy
- Royal Belgian Air Force
- Hellenic Navy and Coast Guard
- Royal Norwegian Coast Guard
- Royal Swedish Coast Guard
- Royal Netherlands Navy and Coast Guard
- Polish Navy and Border Guard
- UAE Air Force
- US Coast Guard, US Air Force (CSAR)
- US Army (Combat Rescue and Medevac)
- Canadian CMPH, RCMP
- Oman Navy and Coast Guard
- Royal Saudi Navy and Air Force
- Japan Coast Guard and National Police
- Korean Coast Guard, Navy and FFDR
- Malaysian Air Force, Navy, and MMEA
- Australian Coast Guard and Australian Maritime Safety Agency
- Mexican Navy and Air Force
- Italian Navy and Capitanerie di Porto

Border Guard & Federal Police

FLIR Systems is the world leader in airborne law enforcement. For example, the following agencies have all selected Star SAFIRE HD for their Mission Support System:

European Border Guard Agencies

- Bundespolizei Germany (EC135, EC155, Super Puma)
- Spanish Guardia Civil (fixed wing & helicopter)
- Polish Border Guard

The Netherlands Police
The Japan Coast Guard
Australian Federal Police
Victoria State Police
New South Wales Police
Australian Customs
US Customs & Border Protection
US FBI and DEA
Queensland Emergency Management

UK Law Enforcement Agencies

- West Yorkshire
- North Wales
- West Midlands
- Central Counties
- East Midlands
- Chiltern
- South Wales
- Devon & Cornwall
- Greater Manchester
- Suffolk
- Humberside
- Cheshire
- West Mercia
- Wiltshire

German State Law Enforcement Agencies

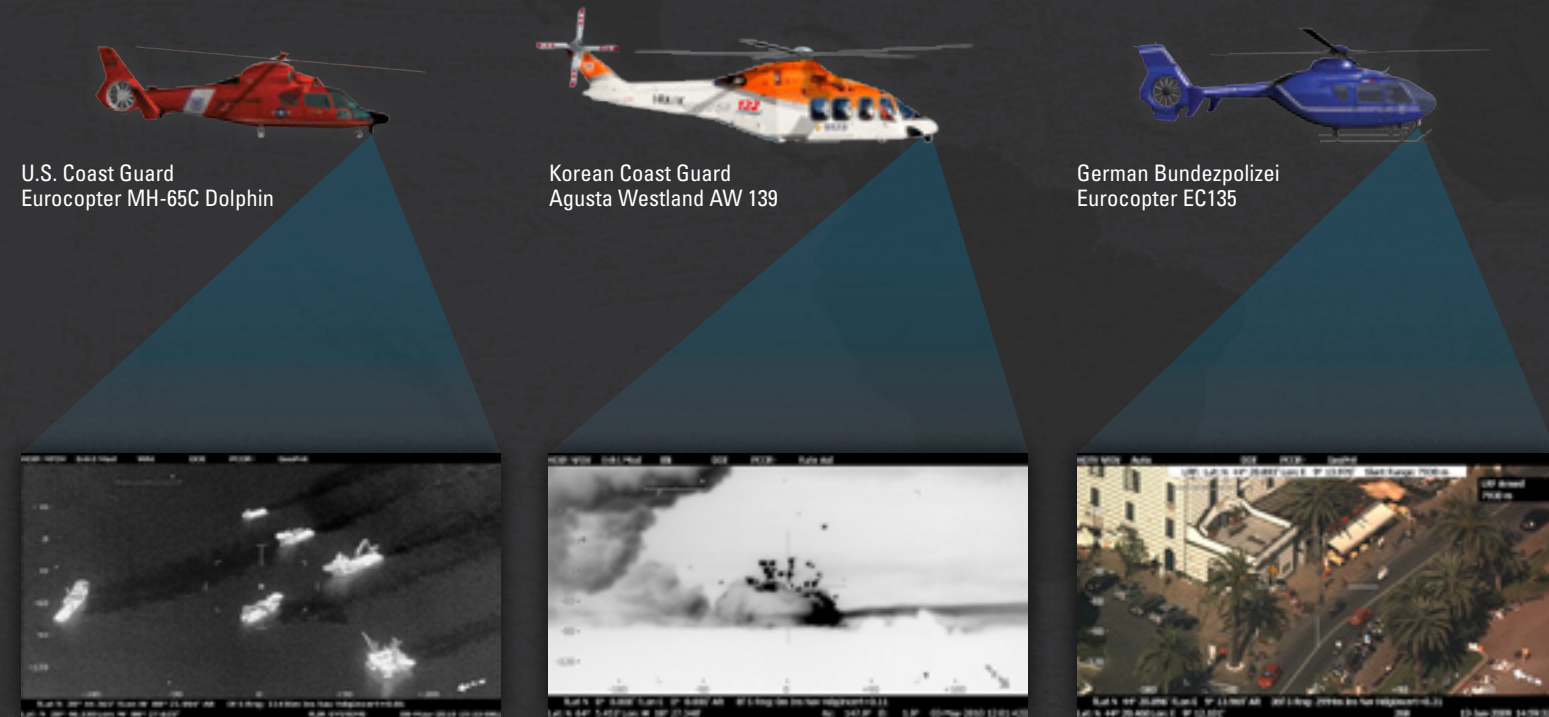
- North Rhine Westphalia
- Sachsen-Anhalt
- Thuringen
- Bavaria

Maritime Surveillance & Patrol

Hundreds of FLIR Star SAFIRE class systems are operated around the world in Maritime Patrol, ASW and related missions. They are integrated with modern mission systems such as the EADS-CASA FITS, and in legacy installations such as the P-3 Orion IRDS replacement (with full AN/APG-63/LTN-92/CASOS interface). Operators include:

- **P-3 Orion:** US Navy, US CBP, RAAF, ROKN, German Navy, SPAF, POAF, Chilean Navy, Brazilian Air Force
- **HC-130J:** US Coast Guard
- **EADS-CASA CN-235/HC-144A:** Irish Air Corps, US Coast Guard, Spanish SASEMAR & Guardia Civil, Mexican Navy
- **EADS-CASA C295:** Portuguese Air Force, Chilean Navy
- **CASA 212:** Swedish Coast Guard, Mexican Navy, Korean Coast Guard
- **EMB P-99B:** Brazilian Air Force, Mexican Air Force
- **DO-228:** German Navy, Netherlands Coast Guard
- **DO-328:** Australian Maritime Safety Agency
- **Gulfstream G-V:** Allied Nation Coast Guard

- **PZL Mielec M-28:** Polish Border Guard, Polish Navy
- **BAE J-41 Jetstream:** Hong Kong GFS
- **Reims-Cessna F406:** Scottish Fisheries, Hellenic Coast Guard, French Customs
- **C-26:** Mexican Air Force, Trinidad & Tobago Coast Guard, Peruvian Air Force, Barbados Coast Guard
- **Saab 340:** Allied Nation Coast Guard
- **Beech King Air 200:** Canadian Dept. of Fisheries (DFO)
- **Beech King Air 350:** Allied Nation Coast Guard
- **Bombardier CL-604 Challenger:** Danish Air Force
- **Bombardier Dash 8:** Allied Nation Coast Guard, Dutch Antilles CG



U.S. Coast Guard
Eurocopter MH-65C Dolphin

Korean Coast Guard
Agusta Westland AW 139

German Bundespolizei
Eurocopter EC135



Spanish Air Force
EADS CASA C-295

Royal Australian Air Force
Lockheed Martin P-3C Orion

Brazilian Air Force
EMBRAER P-99B



EXTRAORDINARY VISION FOR EVERY AIRBORNE MISSION

Star SAFIRE Family

The Star SAFIRE and BRITE Star class systems provide the performance of much larger, 20 inch class systems in a more compact, lighter weight, multi-sensor configuration. Combat proven and qualified to the most severe MIL-SPEC requirements, these systems provide field-proven reliability and worldwide logistics support.

They feature the latest technical innovations including high-accuracy, Tightly Coupled GPS/IMU target geo-location; diode-pumped laser technology; and the second generation of Full HD digital imaging sensors. These systems also provide a full range of interface standards and are proven in unmanned applications.


Talon and UltraForce

As the long-time industry leader in compact multi-sensor systems, FLIR provides a full spectrum of capabilities in the TALON and UltraForce system families. With size and weight profiles to fit all classes of airborne platforms, FLIR packs more sensors and more performance into each system than anyone else.

All systems are MIL-SPEC qualified, and provide a full range of interfaces. These systems are proven in military and law enforcement applications worldwide, among over 5,500 FLIR airborne multi-sensor systems delivered to date.

COMMON INTERFACE STAR SAFIRE FAMILY



Star SAFIRE® 380-HD
Star SAFIRE® 380-HLD 
Based on the Star SAFIRE HD, the world's first and only Full HD, all-digital multi-sensor system, the Star SAFIRE 380-HD is a single-LRU system with FLIR's Common Interface feature. With all the second generation HD technology and features of the Star SAFIRE HD, the 380-HD is interchangeable with other members of the Common Interface family for total installation flexibility. The Star SAFIRE 380-HLD is the first Full HD laser designation system, and uses FLIR's SWIR technology.



Star SAFIRE® 350-HD
Based on the UltraForce 350, the Star SAFIRE 350-HD is the all-European solution to High Definition multisensor requirements. The Star SAFIRE 275-HD is a single-LRU system with FLIR's Common Interface feature. With all the qualification and heritage of the UltraForce 350, 350-HD is interchangeable with other members of the Common Interface family for total installation flexibility.



Star SAFIRE® 275-HD
The Star SAFIRE 275-HD is the all-European solution to High Definition multisensor requirements. The Star SAFIRE 275-HD is a single-LRU system with FLIR's Common Interface feature. The 275-HD is interchangeable with other members of the Common Interface family for total installation flexibility.



Star SAFIRE® 230-HD
Based on the Talon and UltraForce 9HD, the Star SAFIRE 230-HD provides up to seven simultaneous payloads with all-digital, 1080P/720P HD video for all video channels. The Star SAFIRE 230-HD is a single LRU system with FLIR's Common Interface feature and is interchangeable with other members of the Common Interface Family.



Star SAFIRE® 260-HLD 
The Star SAFIRE 260-HLD is a high definition, single LRU laser designation system with FLIR's Common Interface feature, and interchangeable with other members of the Common Interface Family. The lightweight, gyrostabilized turret provides up to seven simultaneous payloads with all-digital, 1080P/720P HD video for all video channels, and is the world's smallest high definition laser designation system.



TALON®
The TALON is a program-proven, lightweight, gyrostabilized nine inch turret that contains up to six payloads simultaneously, providing state-of-the-art performance. Because of its heritage of fielded systems, TALON also provides both maritime and desert-proven hardening. It is the work-horse of the US Coast Guard and many other government and military agencies.





Star SAFIRE® HD
The Star SAFIRE HD is the world's first and only Full HD, all-digital multi-sensor system. Now available with second generation HD technology and features, Star SAFIRE HD is in operation worldwide and is the proven leader in long range technology, providing the performance of a 20 inch system in a 15 inch package. FLIR is now approaching the 500th High Definition system delivery.



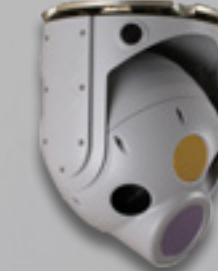
Star SAFIRE® III
The Star SAFIRE III is the most widely used long range multi-sensor system in the world. This workhorse is proven with US and international military forces, government and law enforcement agencies worldwide. Providing high demonstrated reliability and up to seven laser and sensor payloads, Star SAFIRE III is qualified beyond MIL-SPEC for use in the harshest environments.



BRITE Star® II 
BRITE Star® DP 
The latest generation of the combat proven BRITE Star laser designation system. With a 100% duty cycle, diode pumped laser designator/rangefinder, BRITE Star II is proven in land and maritime operations, and is the sensor system on the US Marine Corps UH-1Y. The BRITE Star DP configuration is operational on armed reconnaissance and attack aircraft worldwide.



UltraForce® 350
With large gimbal performance but weighing in at just 28 kg, the UltraForce 350 uses graphite composite construction to achieve a unique blend of performance and low weight. Its all-European content and proven operational performance make the UltraForce 350 the ideal choice for airborne programs around the world.



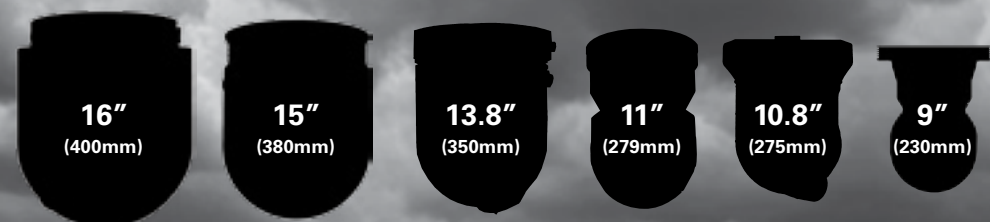
UltraForce® 275
Like its larger cousin, the UltraForce 275 uses graphite composite construction to achieve a unique blend of performance and low weight, weighing in at just 15 kg. And like the UltraForce 350, the UltraForce 275 combines all-European content with proven operational performance to meet unmanned program requirements the world over.



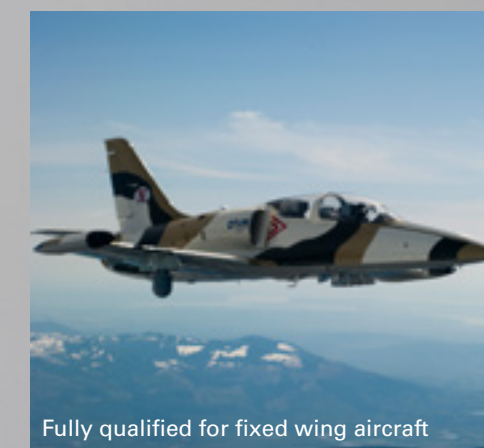
UltraForce® 8500
As a well-known and widely used member of the FLIR family, the UltraForce 8500 is the workhorse of law enforcement users around the world. Installed on both helicopters and fixed wing aircraft, the UltraForce 8500 provides a unique blend of performance and low weight, and has played a key role in thousands of law enforcement actions.

A Complete Family of Systems

From the leader in EO/IR technology comes a complete family of systems, covering all classes from 16 inches down to 9 inches, with interfaces and mounts designed for ease of installation on rotary and fixed wing aircraft. Only FLIR Systems offers such a range of stabilized multi-sensor systems for airborne applications.



Sikorsky UH-60 with Star SAFIRE III



Fully qualified for fixed wing aircraft



Dornier 328 -120 with Star SAFIRE III

**CORPORATE HEADQUARTERS**

FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: +1 800.727.3547

BOSTON

FLIR Systems, Inc.
25 Esquire Road
North Billerica, MA 01862
USA
PH: +1 800.464.6372

HUNTSVILLE

FLIR Systems, Inc.
675 Discovery Drive
Suite 103
Huntsville, AL 35806
USA
PH: +1 256.325.3547

PITTSBURGH

FLIR Systems, Inc.
108 Kountz Lane
Freeport, PA 16229
USA
PH: +1.724.295.2880

WASHINGTON, D.C.

FLIR Systems, Inc.
2800 Crystal Drive
Suite 330
Arlington, VA 22202
USA
PH: +1 703.416.6666

EUROPE

FLIR Systems Ltd.
2 Kings Hill Avenue
West Malling, Kent
ME19 4AQ
United Kingdom
PH: +44.1732.220011

CANADA

FLIR Systems Ltd.
5230 South Service Road
Suite 125
Burlington, ON L7L 5K2
Canada
PH: +1 800.613.0507

SWEDEN

FLIR Systems AB
Antennvägen 6
187 66 Täby
Sweden
PH: +46.8.753.2500

MIDDLE EAST

FLIR Systems Middle East
FZCO
Unit C-13
Dubai Airport Free Zone
P.O. Box 54262
Dubai
United Arab Emirates
PH: +9714.299.6898

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