

Star SAFIRE® II

MULTI-MISSION IMAGING SOLUTION
AWR CERTIFIED FOR HH-60 AND
UH-60 BLACKHAWK VARIANTS



APPLICATIONS

SEARCH & RESCUE
RECONNAISSANCE
BOARDER AND COASTAL PATROL
SURVEILLANCE
UAVS
FORCE PROTECTION

FEATURES

High-performance, long range imaging

Mil-qualified

Multiple payloads

5-Axis stabilization

Low-Light/Near IR CCD

Automatic target tracker

Industry leader

BENEFITS

The Star SAFIRE II's microscanned 320x240 mid-wave infrared array gives outstanding Detection, Recognition and Identification ranges in an affordable 15" imaging system.

Star SAFIRE II's hermetically sealed gimbal is battle-tested, AWR certified, and thrives in the harshest operating environments.

Star SAFIRE II's modular design and revolutionary optical bench allow simultaneous installation of up to 5 imagers in the same gimbal.

The SAFIRE family of gimbals features 5-axis stabilization for solid imagery in rough conditions.

The CCD-TV camera has a low-light, near-IR mode that is useful in areas with minimal illumination.

Star SAFIRE II's dynamic target Autotracker follows maneuvering targets from moving aircraft, decreasing operator workload.

With over 3,000 SAFIRE systems installed on over 60 aircraft types around the world, the Star SAFIRE II is a solid performer in the definitive lineage of infrared imagers.





Star SAFIRE® II

THERMAL IMAGER

Sensor type	320 x 240 InSb focal plane array
Resolution	640 x 480
Wavelength	3-5 µm response
FOVs	25° to 0.8°
Zoom ratio	29x

COLOR ZOOM CAMERA (OPTIONAL)

Sensor type	Color CCD-TV
Resolution	525 / 625 line (NTSC/PAL)
FOVs	28° to 2.7°
Zoom ratio	18x (+12x E-Zoom)

SPOTTER SCOPE (OPTIONAL)

Sensor type	Color CCD
Resolution	494 / 582 line (NTSC/PAL)
FOV	0.4°

LASER PAYLOADS (OPTIONAL)

Rangefinder	Max. range	20 km +/-5 m
	Classification	Class 1 (eyesafe)
Illuminator	Power	1 W or 2 W options
	Classification	Class 4
Pointer	Power	100 mW
	Classification	Class 3b

SYSTEM PERFORMANCE

System type	5 axis stabilization
Az. coverage	360° continuous
El. coverage	+30° to -120°
Airspeed	405 KIAS

SYSTEM INTERFACES

Analog video	NTSC/PAL
Control	SCU/serial digital/MIL-STD-1553B/ARINC
Data	RS-232, RS-422, ARINC 419/429, MIL-STD-1553B

ENVIRONMENTAL

Standards	MIL-STD-810 & MIL-STD-461
Operating temperature	-40°C to 55°C

POWER REQUIREMENTS

Voltage	22-29 VDC (per MIL-STD-704E)
Consumption	200 W (360 W max)

DIMENSIONS, WEIGHT & MOUNTING

TFU Size	15" x 17.5" (380 mm x 450 mm)
TFU Weight	<96 lbs (<43 kg)
CEU Size	10.0" x 7.5" x 12.5" (254 mm x 191 mm x 318 mm)
CEU Weight	23.0 lbs (10.4 kg)
Mounting	compatible with UltraMedia and SAFIRE systems

OTHER OPTIONS & ACCESSORIES

Automatic Target Tracker, Navigation/Radar Interfaces, Quick-Disconnect Mounts, Displays & Recorders, Moving Map Systems, Video Downlinks

CORPORATE HEADQUARTERS

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

BOSTON

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

HUNTSVILLE

FLIR Systems, Inc.
Huntsville, AL USA
PH: +1 256.325.3547

PITTSBURGH

FLIR Systems, Inc.
Freeport, PA 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.
West Malling, Kent
United Kingdom
PH: +44.1732.220011

CANADA

FLIR Systems Ltd.
Burlington, ON
Canada
PH: +1 800.613.0507

SWEDEN

FLIR Systems AB
Täby, Sweden
PH: +46.8.753.2500

MIDDLE EAST

FLIR Systems Middle East, FZCO
Dubai Airport Free Zone
PH: +9714.299.6898

www.flir.com/GS



Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. ©2011 FLIR Systems, Inc. Specifications are subject to change. Check website: www.flir.com 09012011

