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.

◆◆FLIR®
Extraordinary Protection

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

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