**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
- Illuminator: Power 1 W or 2 W options
- Pointer: Power 100 mW

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: <36 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

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/GS