The Star SAFIRE® 380-HDc delivers unparalleled stabilized HD multi-spectral imaging in a compact, low-profile package. It’s designed to maximize ground clearance in rotary aircraft without sacrificing capability and performance. Low power demand of 225W and lighter weight of only 65 lbs (29.5 kg) round out the incomparable SWaP-C advantages. This system also provides 2x-4x greater magnification than other lightweight systems in its class.

The laser pointer and laser illuminator allow operators to covertly “light up” targets or points of interest to coordinating observers wearing night vision goggles or other IR devices. Payload options include a low-light camera, SWIR thermal imager, and laser rangefinder, illuminator and pointer. With continuous zoom on EO and IR sensors for uninterrupted viewing paired with its long DRI range, Star SAFIRE 380-HDc is optimal for airborne reconnaissance, patrol and search and rescue missions.

**FEATURES**

**SIZE, WEIGHT, POWER & COST (SWAP-C) ADVANTAGE**
At only 65 lbs (29.5 kg), it minimizes balance concerns and maximizes mounting options. Its 14.6” profile supports safer off-field landing. 225W power reduces demand.

**FULL-HD IMAGING**
True HD IR and color cameras with continuous zoom capture finest details. Low-light night imaging sensor and SWIR provide full spectral awareness.

**OPTIMIZED USABILITY AND COMPATIBILITY**
Simple “power-on and use” operation. Common cable/mount interface adapts to existing SAFIRE installations for upgrades and mixed-fleet operations.

**LESS OPERATOR EFFORT REQUIRED**
Intelligent, automated operation optimizes tracking and continuously indicates size, location, speed, and distance of multiple targets or points of interest.

**APPLICATIONS**

**RECONNAISSANCE**
**SURVEILLANCE**
**MILITARY POLICE SECURITY**
**FORWARD OBSERVATION**
**FORCE PROTECTION**
## SPECIFICATIONS

### High Definition Thermal Imager
- **Sensor type**: 1280 x 720 InSb MWIR FPA (standard), 640 x 512 InSb MWIR FPA (optional)
- **Resolution**: 720p/1080p HD and NTSC/PAL
- **Wavelength**: 3-5 μm response
- **FOVs**: 40° to 2.0° optical continuous zoom (with standard FPA)
- **Focal length**: 25 mm - 500 mm

### High Definition Color Camera
- **Sensor type**: Color CCD
- **Resolution**: 720p/1080p HD and NTSC/PAL
- **FOVs**: 45° to 1.2° optical continuous zoom
- **Focal length**: 8.5 mm - 340 mm

### Secondary High Definition Color Camera (Optional)
- **Sensor type**: Color CCD
- **Resolution**: 720p/1080p HD and NTSC/PAL
- **FOVs**: 25° to 0.2° optical step zoom
- **Focal length**: 16.5 mm - 985 mm

### Low Light Camera (Optional)
- **Sensor type**: sCMOS
- **Resolution**: 720p/1080p HD and NTSC/PAL
- **FOVs**: 40° to 1.2° optical continuous zoom
- **Focal length**: 8.5 mm - 340 mm

### SWIR Short Wave IR Camera (Optional)
- **Sensor type**: InGaAs progressive global
- **Resolution**: 720p/1080p HD and NTSC/PAL
- **FOVs**: 33° to 0.25° optical step zoom
- **Focal length**: 16.5 mm - 985 mm

### Laser Payloads (Optional)
- **Rangefinder**: Up to 30 km, Class 1 (eyesafe), Class 1M over 2Hz
- **Illuminator**: 1 W or 2 W, Class 4
- **Pointer**: 150 mW (Class 3b) or 650 mW (Class 4)

### Geopoint
- **Type**: Tightly-coupled, fully-integrated, IMU and GPS for geo-pointing and target geo-location capability

### System Performance
- **System type**: 4-axis stabilization
- **Vibration isolation**: 6-axis, built-in
- **Az. coverage**: 360° continuous
- **El. coverage**: +16° to -100°
- **Envelope**: 250 KIAS, 0-50,000 ft

### Environmental
- **Standards**: MIL-STD-810G and MIL-STD-461F
- **Operating temperature**: -40°C to 55°C

### Power Requirements
- **Voltage (steady state)**: 22-29 VDC (per MIL-STD-704F)
- **Consumption**: 225 W typ., 336W Max

### Dimensions (Diameter & Height), Weight & Mounting
- **TFU Weight**: approx. 65 lbs (29.5 kg)
- **Mounting**: Compatible with existing SAFIRE installations

### Other Options & Accessories
- Navigation/Radar Interfaces, Autotracker, Quick-Disconnect Mounts, High Definition Displays and Recorders, Moving Map Systems, High-Definition Downlinks, Moving Target Indicator (MTI)

### System Interfaces
- **Digital video**: SMPTE 292M/MISB 2016. 1; STANAG 4609
- **Analog video**: NTSC/PAL
- **Data and control**: RS-422, ARINC 429, MIL-STD-1553B, Ethernet
- **Metadata**: MISP ST0601, 0902, 9716; STANAG 4609; SMPTE 291M / RP214

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### For More Information contact surveillance_sales@flir.com

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**The World’s Sixth Sense**