

NEW COMMON
INTERFACE

Star SAFIRE® 275-HD

SINGLE LRU EO/IR IMAGING SYSTEM
ALL DIGITAL FAMILY OF HIGH DEFINITION SYSTEMS
SIMPLIFIED COMMON INTERFACE STANDARD



Stabilized Multisensors

APPLICATIONS

- COUNTER DRUG
- HOMELAND SECURITY
- PATROL
- SURVEILLANCE
- RECONNAISSANCE
- SEARCH AND RESCUE

FEATURES

- All European system, single LRU HD system
- Continuous zoom 3-5 μ m thermal imager
- High Definition color camera with 20x zoom
- Laser options
- 4-axis active stabilization
- EASA Certified installations
- Simplified common interface standard
- Optimized usability
- It's all FLIR inside

BENEFITS

- All European content, single LRU for ease of installation and integration, digital HD output for all video channels, and IMU for precise geo-location
- Large format 640 x 512 infrared camera with continuous zoom optics allows for positive target analysis at safe stand-off ranges in all weather conditions
- 1920 x 1080 HD camera maximizes detection range during daytime surveillance missions; the low light function extends operation into dawn or dusk
- Covertly mark targets and determine their distance and location
- Outstanding stability ensures stable imagery by compensating for aircraft movement and vibration, critical for long range imaging
- The system can be delivered with EASA Form 1 certification
- Provides standardized wiring to all HD turrets in this family; and to external systems, making this family of systems completely interchangeable and interoperable
- Backlit and NVG compatible remote controller for 24/7 operation in the modern cockpit; integrated multi-mode auto-tracker to track moving or stationary targets
- FLIR controls the entire supply chain for the critical technology inside its Ultra class gimbals, ensuring fast service and long-term support





Star SAFIRE® 275-HD

OVERVIEW

Gimbal size	275 mm (D) x 378.5 mm (H)
Gimbal weight	12 kg
Environmental	RTCA DO-160E

THERMAL IMAGING PERFORMANCE

Sensor type	3rd gen 640 x 512 3-5 µm focal plane array
Image Enhancements	Non Uniformity Correction Bad Pixel Replacement AGC (Automatic Gain Control) Histogram Equalization Digital Details Enhancement (Tunable)
FOVs	Continuous zoom 35.5° x 28.7° to 1.83° x 1.47°
Ezoom	2x

DAYLIGHT IMAGING PERFORMANCE

Sensor	High Definition CCD
Resolution	1920 x 1080
Fields of view	Continuous optical zoom 20x
Ezoom	Up to 4x continuous

GIMBAL SPECIFICATIONS

LOS Pan range	360 degrees continuous
LOS Tilt range	+20 / -120 degrees
AZ/EL slew rate	Up to 60°/s
Stow	Magnetically held in stow position

ELECTRONICS CONTROL UNIT

Hand Controller Unit	0.8 kg, 230 mm Height
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INTERFACES

ARINC 429, RS232/422 and other interfaces to support navigation systems, moving maps, radars, searchlights, and GPS

OUTPUTS

Video	1080P/720P HD-SDI (all video channels), RS-170, NTSC, PAL, CCIR
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POWER

Power requirements	22-30 VDC < 150 W
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OPTIONS

Auto-tracker, Laser Range Finder, Laser Pointer, Laser Illuminator, Control Unit (IFU), built-in IMU

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