SELEX
Sensors and Airborne Systems
A Finmeccanica Company

Sensing the Future

SiGMA Hunter
Longwave Thermal Imager

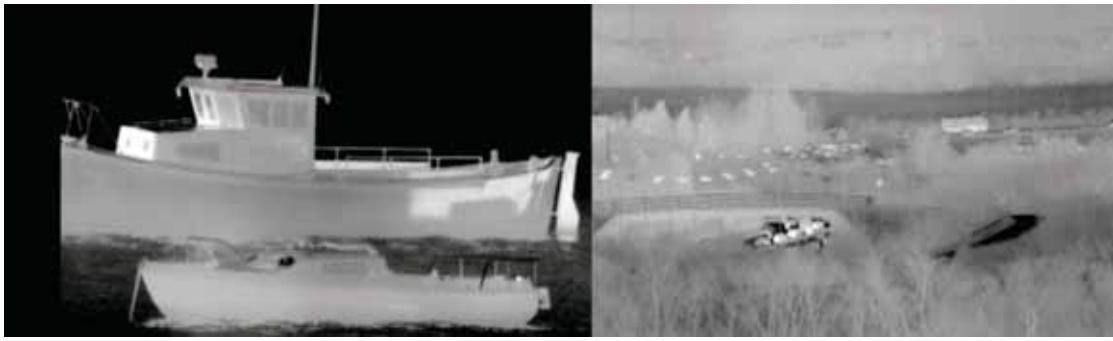
SELEX Sensors and Airborne Systems (S&AS) SiGMA thermal imager core has been integrated with a third generation 640 x 512 quantum well infrared photodetectors (QWIP) array.

Available for original equipment manufacturer applications, Hunter provides a high-resolution thermal imaging capability in the long infrared waveband. A rugged trials and demonstration imager has been developed for in-field evaluations.

SiGMA Hunter - long wave thermal imaging

KEY BENEFITS

- 8-10µm longwave infrared imager
- High performance third generation 640x512 focal plane array
- Based on in-service SiGMA core
- Long range detection and identification
- Compact single unit
- Dual field of view lens
- Digital RS232 control interface compatible with all SiGMA control software



Long wave thermal imagery

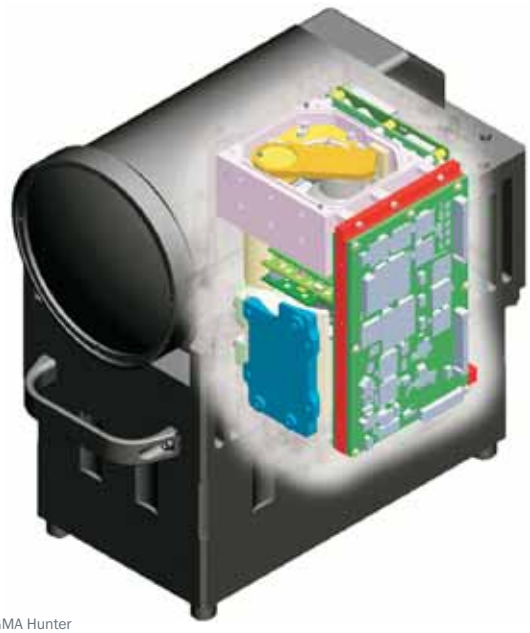
TECHNICAL SPECIFICATIONS

Nominal Overall Dimensions	315 x 160 x 320 (L x W x H) mm
Power Consumption	< 40 watts operating
Weight	13kg
Reliability	>12,000 hours (GM)
Horizontal FoV	18° (wide) 3.6° (narrow)
Operating waveband	8 - 10 µm
Resolution	640 x 512 pixels
Operability	>99%
Video	625 line 50 Hz or 525 line 60 Hz (STANAG 3350 Class B or C)
Control Interface	RS422
Operating Temperature	-30°C to + 55°C

SELEX S&AS is recognised as a world leader in the supply of thermal imaging systems for air, land and sea environments. SiGMA Hunter is a compact, rugged, 3rd generation, long wave infrared (LWIR) thermal imager utilising a highly sensitive staring focal plane array (SFPA) sensor with integrated detector cooling engine.

SiGMA Hunter is available as a single line replaceable unit, operating in the 8-10µm waveband, providing full TV format video with optional graphics overlays.

A flexible architecture allows the system integrator to configure SiGMA Hunter via its control interface.



SiGMA Hunter

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