SELEX GALILEO

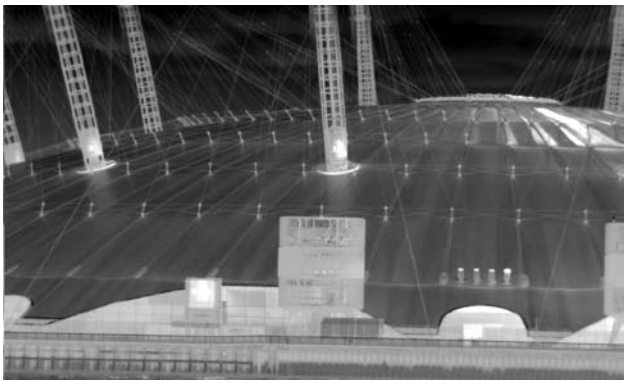
A Finmeccanica Company

SLX OSPREY 1:18cz
MWIR THERMAL IMAGING CAMERA WITH CONTINUOUS ZOOM LENS

SELEX Galileo's latest thermal imaging camera uses the latest staring focal plane technology to provide high performance passive Mid Waveband Infra-Red (MWIR) imaging in day, night and poor visibility for land, sea and airborne operations.

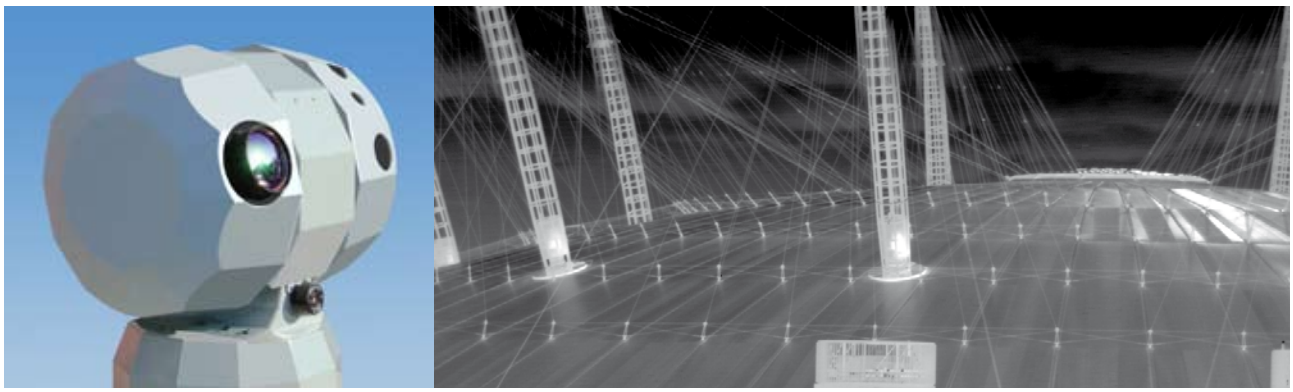
The camera is based on the Osprey MCT detector array, manufactured using SELEX Galileo's proprietary MOVPE on GaAs process. This high performance detector is coupled with our latest generation of advanced image processing electronics to achieve superior image quality. The continuous zoom lens has been specifically developed for the system and offers very wide fields of view for rapid surveillance while enabling very long identification ranges by rapidly zooming in to a narrower field of view. An integrated microscan module is optional, to provide enhanced range performance using full resolution digital zoom technology.

The SLX Osprey 1:18cz camera has been designed as a compact, high performance unit which can be applied to a wide range of thermal imaging applications by system integrators and OEMs.



KEY BENEFITS

- Low cost, high performance fully integrated solution
- Half TV resolution MWIR imaging
- Optional Microscan
- Qualified to full military specifications
- Lightweight, compact design
- Flexible architecture enables different configurations for small enclosures
- Ease of system integration
- Supports multiple analogue and digital video standards
- Simple, flexible control interface
- Low through-life cost of ownership
- No ITAR-controlled components.



SLX Osprey 1:18cz MWIR thermal imaging camera integration

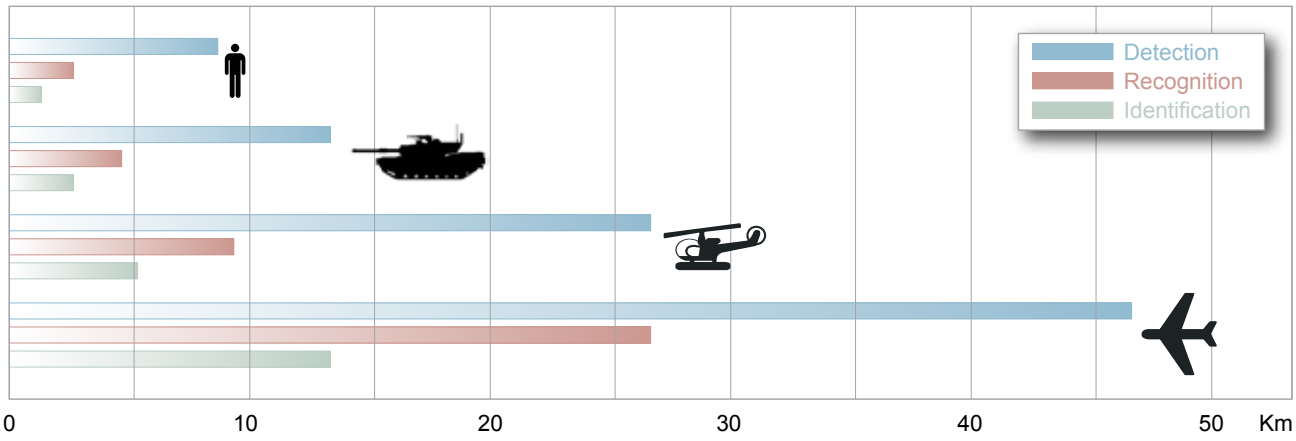
TECHNICAL SPECIFICATIONS

Operating waveband	3-5µm (MWIR)
Resolution	384 x 288 pixels (768 x 576 with optional Microscan)
Noise Equivalent Temperature Difference (NETD)	17mK Typical
Non-uniformity correction	User selectable 1, 2 or 3 point NUC with internal thermal reference
User control	RS422
Video	625 line 50 Hz 525 line 60 Hz RGB VESA
Optional digital output	16 bit uniformity corrected full dynamic range or 8 bit video
Dimensions (L x W x H)	373 x 108 x 100 mm
Power supply	28V DC (Max 36V, Min 18V)
Power consumption	< 30 watts operating
Weight	< 4.5 kg
Operating temperature	-40°C to +55°C
Environmental	DEFSTAN 00-35, MIL STD 810E
Reliability	> 22,000 hours (GF)

FEATURES

- Programmable configuration
- Auto or manual gain and offset
- User definable automatic gain and offset region
- User selectable image orientation permits camera to be mounted in any position
- User definable text and graphic displays
- Colour text and graphics in VESA video mode
- Colour image mapping with user definable palette
- Freeze frame
- Up to x16 continuous digital zoom and pan
- Four programmable NUC tables
- Auto calibration mode for fully autonomous ready-to-go operation
- Reduced image areas for higher frame rate

RANGE PERFORMANCE (Actual Targets)



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