



Optronics Systems

THERMAL IMAGING CAMERA

SLX-SuperHawk is a Medium Wave Infra-Red (MWIR) thermal imaging camera employing the latest focal plane array technology to meet long-range surveillance and target identification requirements. It provides a wider Field of View (FoV) for greater Situational Awareness, whilst delivering a narrower IFOV for longer range target identification and engagement.

It is available in two variants both incorporating a high definition (HD) 1280x1024 resolution focal plane array detector.

SLX-Superhawk S

SLX-SuperHawk S incorporates an integrated detector cooler assembly (IDCA) providing a compact high performance capability.

SLX-Superhawk L

SLX-SuperHawk L incorporates a 40,000 hour long life split linear cooler offering the same high performance but with extended maintenance free operation and low cost of ownership.

KEY BENEFITS

- Designed, developed and manufactured in the UK
- 'Dual Use' rated
- Very low through-life cost due to 40,000 hours cooling engine life (SLX-SuperHawk L)
- Multiple digital and analogue video outputs
 - Analogue Video Output
 - HD-SDI Video Output
 - Fibre-Optic Output
- Latest image processing
 - Turbulence mitigation
 - Image stabilisation
 - Local area contrast enhancement
- Qualified to operate from -40°C to +55°C
- Designed for fixed and mobile applications
- Extended warranty options
- Finance options available
- Service provision contracts options

SLX-SUPERHAWK

TECHNICAL SPECIFICATION

Detector array resolution		1280 x 1024
Detector pitch		8µm
FoV		21.5° x 17.3° to 1.47° x 1.17°
Detector technology		CMT
Band		3.7µm – 4.95µm
F/Number		F/2.8
Focal length of continuous optical zoom		27mm to 400mm
Comms		RS-422 Fibre Optic
Analogue video output		NTSC PAL (CCIR) HDTV 720p/1080p VESA
Digital video output		HD-SDI Fibre Optic
Operating temperature		-40°C to +55°C
Weight	SLX-SuperHawk S	10 kg
	SLX-SuperHawk L	11.5 kg
Size (L x W x H)	SLX-SuperHawk S	470mm x 171mm x 171mm
	SLX-SuperHawk L	470mm x 171mm x 171mm (excluding connectors)
Power source		28VDC (18-32V)
Nominal power at steady state		<25W
Dynamic range enhancement		Local Area Contrast Enhancement (LACE) Linear Edge Enhancement
Image Stabilisation		Yes
Turbulence Mitigation		Yes
Auto Focus		Yes
Cooling engine	SLX-SuperHawk S	Rotary IDCA (15,000 hrs)
	SLX-SuperHawk L	Long life linear (40,000 hrs)
Non-uniformity correction		Built-in reference and quadratic NUC
E-Zoom		Interpolated (up to 8x)

RANGE PERFORMANCE (KM)

