



SPYNEL-C

Wide Area Surveillance Solution



12Mpix day/night panoramic videos



Cooled LWIR thermal sensor



Human detection range up to 3km

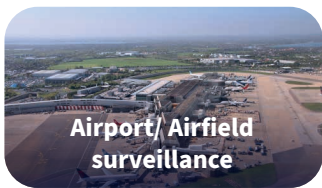
360° PANORAMIC DETECTION ANYWHERE, ANYTIME

SPYNEL® are proven wide-area surveillance solutions, acquiring real-time panoramic thermal images with automatic detection, tracking and classification capabilities thanks to the integrated CYCLOPE software.

SPYNEL®-C is the very first model of HGH panoramic IR systems, which makes it a globally proven solution for complex civil and military infrastructures.



APPLICATIONS



Airport/ Airfield surveillance



Harbour monitoring



Onshore Oil & Gas facility security



Offshore Oil & Gas platform protection



Military base protection (air, naval, FOB)



Critical infrastructure protection



Maritime wide area surveillance



Fire detection

BENEFITS




- Day & night panoramic imaging in total darkness in any weather conditions
- Human, vehicle or RHIB detection capabilities
- Automatic tracking and classification of any ground/ sea threats
- Passive operation unlike radars (undetected, no EM disturbance)
- Proven, reliable and COTS technology
- Robust and rapidly deployable
- Motorized tilt for fine-tuned installations
- All events recorded over 360°

SPYNEL-C

Wide Area Surveillance Systems

ref. SPYNEL-C-en-all Spynel

TECHNICAL SPECIFICATIONS

	SPYNEL-C 3000
Horizontal FOV	360°
Vertical FOV	5°
Vertical motorized tilt	-20° / + 45°
IFOV	0.3 mrad (V) x 0.27 mrad (H)
Scanning speed	360°/2 sec (0.5 rps)
Detector type	LWIR 288 x 4 FPA
Cooling	Stirling microcooler
Image resolution	40 000 (H) x 288 (V)
Video output and control	IP
Dimensions (Dia x H)	300 mm x 615 mm
Weight	28 kg
Operating temperature	-40°C to +71°C
Protection standard	IP 66
Power supply	24V DC / 5 Amps
Detection range for human:  vehicle:  RHIB: 	Up to 3 km Up to 6 km Up to 6 km

Detection ranges according to Johnson criterium and STANAG standards

CONTROL AND DISPLAY SOFTWARE




Advanced video processing
Artificial Intelligence, smart image enhancements, detection/classification algorithms, data fusion



Multi-layer display
Real-time panoramic or zoom display, geolocation of threats



High integration capabilities
ONVIF, H264, XML, MIME, TCP/IP, Client/Server




Advanced Alarm Management
Track analysis to trigger alarms and customized security actions



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