

# SPYNEL<sup>®</sup> SERIES Wide Area Surveillance Solution

### 360-DEGREE SITUATIONAL AWARENESS, NIGHT & DAY, UP TO THE HORIZON

SPYNEL<sup>®</sup> sensors are unique passive wide-area surveillance systems for **automatic intrusion detection, tracking and classification** of an unlimited number of threats, coming from any direction be it **land, air or sea**. Scanning the panorama at 360°, these thermal cameras provide outstanding image quality with very high spatial resolution, up to 120 Mpixels, at fast frame rate (up to 2 Hz).

Featuring high integration capabilities, SPYNEL<sup>®</sup> Series address the requirements of **permanent or temporary surveillance** in a scalable and flexible way, adapting to ground based or embarked applications.

Based on its live video analytics processed by Cyclope software suite, SPYNEL<sup>®</sup> solution provides **unprecedented situational awareness**, day and night, 24/7, helping for rapid assesment of unwanted events.

SPYNEL<sup>®</sup> wide area surveillance solution helps tackle the most challenging security applications by detecting any types of intrusions and both **conventional and asymmetrical threats**, including crawling men, vehicles, swimmers, RHIBs, skiffs, UAVs and low altitude or stealth aircrafts.

SPYNEL<sup>®</sup> Series is the ultimate solution for a wide range of applications including perimeter security of industrial sites, critical infrastructure protection, naval, coastal and maritime surveillance, border passive surveillance, military bases protection, airport/seaport security, onshore/offshore oil&gas sites security...



SPYNEL M



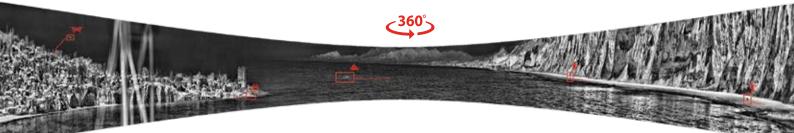
SPYNEL U



SPYNEL S



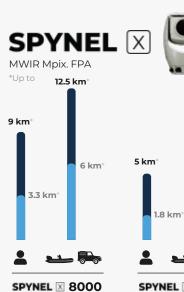
SPYNEL 🛛



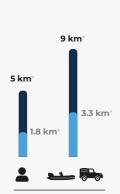
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## HUMAN/VEHICLE/RHIB DETECTION & RECOGNITION RANGES

**Q** • Recognition Range



**Cooled IR Sensors** 





#### SPYNEL X 6000 Video size = 360° (H) x 10°(V) Scan rate = 1 Hz for 360°

SPYNEL X 3500 Video size = 360° (H) x 20° (V) Scan rate = 2 Hz for 360°

5 km

1.7 km

2.5 km

900 m

Oetection Range



3.5 km I.2 km **SPYNEL** 5 2000

**SPYNEL** 5 6000 Video size =  $360^{\circ}$  (H) x  $5^{\circ}$  (V) Scan rate = 0.5 Hz for  $360^{\circ}$ 

Video size = 360° (H) × 20° (V) Scan rate = 2 Hz for 360°

**Uncooled IR Sensors** 



Scan rate = 0.25 Hz for  $360^{\circ}$ 









SPYNEL M 600N

Scan rate = 0.5 Hz for 360°

Video size =  $360^{\circ}$  (H) x  $18^{\circ}$  (V)



400 m

900 m<sup>\*</sup>

SPYNEL M 600W Video size = 360° (H) x 35,5° (V) Scan rate = 1 Hz for 360°

DRI ranges according to Johnson criterium and STANAG standards

Range values represent optimal performance, which will vary depending on target size, clutter environment, atmospheric conditions and sensor operational settings Above information is subject to changes without notice



#### Contact us: hgh@hgh-infrared.com | www.hgh-infrared.com

EUROPE HGH SYSTEMES INFRAROUGES 10 rue Maryse Bastié 91430 Igny, France Phone: +33 1 69 35 47 70

# USA

ELECTRO OPTICAL INDUSTRIES 1240 E Campbell Rd Ste. 200, Richardson, TX 75081 Tel : +1 805 964 6701

#### ASIA

ASIA INFRARED SYSTEMS 1 Paya Lebar Link, #04-01 Singapore 408533 Phone: +65 6955 8585