



SPYNEL® SERIES

Wide Area Surveillance Solution

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

SPYNEL® 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® 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® solution provides **unprecedented situational awareness**, day and night, 24/7, helping for rapid assesment of unwanted events.

SPYNEL® 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® 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 X



SPYNEL® SERIES

Wide Area Surveillance Solution

HUMAN/VEHICLE/RHIB DETECTION & RECOGNITION RANGES

Cooled IR Sensors  ● Recognition Range  ● Detection Range

SPYNEL X

MWIR Mpix. FPA

*Up to

12.5 km*

9 km*

6 km*

3.3 km*

5 km*

9 km*

3.3 km*

1.8 km*

2.5 km*

5 km*

1.7 km*

900 m*

SPYNEL X 8000

Video size = 360° (H) x 5° (V)
Scan rate = 0.5 Hz for 360°

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°

SPYNEL S

MWIR 640x512 FPA

*Up to

10 km*

6 km*

4 km*

2 km*

3.5 km*

1.2 km*

SPYNEL S 6000

Video size = 360° (H) x 5° (V)
Scan rate = 0.5 Hz for 360°

SPYNEL S 2000

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

Uncooled IR Sensors

SPYNEL U

LWIR FPA ≥ 600px H

*Up to

3.5 km*

2 km*

1.4 km*

700 m*

1 km*

2 km*

700 m*

350 m*

SPYNEL U 2500

Video size = 360° (H) x 9° (V)
Scan rate = 0.25 Hz for 360°

SPYNEL U 1000

Video size = 360° (H) x 18° (V)
Scan rate = 0.5 Hz for 360°

SPYNEL M

LWIR FPA ≥ 600px H

*Up to

1.5 km*

700 m*

500 m*

900 m*

250 m*

250 m*

SPYNEL M 600N

Video size = 360° (H) x 18° (V)
Scan rate = 0.5 Hz for 360°

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



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