

Spynel-M

INFRARED RADAR

for WIDE AREA SURVEILLANCE

LIGHTWEIGHT PANORAMIC THERMAL SURVEILLANCE SYSTEM

SPYNEL-M is the latest in the SPYNEL series and benefits from HGH's 15-year expertise in automatic intrusion detection and tracking systems, for wide area surveillance applications. SPYNEL-M is a high-resolution panoramic thermal camera, acting as an infrared radar. Robust, lightweight, transportable, SPYNEL-M is easily carried in a backpack. It can be fixed on top of a building, or quickly and discreetly deployed on a light mast, to perform multi-event detection over extremely large areas in total darkness. Consuming only 8 watts of power, it can be operated with solar or alternate power supply systems to allow remote, disconnected operation. Requiring no maintenance, SPYNEL-M brings the highest technology at a fair cost for the surveillance of critical infrastructures.

HIGH-END SITE PROTECTION DEPLOYED IN MINUTES

> SPYNEL-M INFRARED RADAR

SPYNEL-M continuously captures full panoramic images every second, or can perform sector scanning at a higher rate, to bring real-time security against conventional and asymmetrical threats. A single SPYNEL-M sensor can perform 24/7 early human intrusion alerts over a 1.5km-diameter area and can be quickly deployed and configured. Any threat will be tracked at any time from any direction, including hardly detectable targets such as crawling men or RHIBs. SPYNEL-M can replace up to 16 traditional thermal cameras in one single sensor head. As a completely passive system, the SPYNEL-M is invisible to intruders, requires no additional illumination and cannot be tricked by camouflage nor jamming.

APPLICATIONS

- Critical infrastructure protection: nuclear plants, data centers, dams, prisons, water treatment stations, solar and wind farms, oil depots, ammunition dumps...
- 24/7 perimeter security (electrical or gas substations, logistic warehouses, outdoor parking ...)
- 360° detection of asymmetrical threats
- Airport / Port surveillance
- Special Operation Forces
- VIP and event security
- Fire detection

BENEFITS



→ Infrared panoramic detection and tracking

• Cost effective, low power consumption and reliable

- Full 360° panoramic coverage with a single sensor
- Day and night scrutiny even in adverse weather conditions
- Fully passive system, totally undetectable unlike radar

• Fast deployment and easy installation

• Automatic tracking of all threats with superior image quality

• Uncooled IR technology, maintenance-free.



www.hgh-infrared.com



CONTROL AND DISPLAY SOFTWARE

Detection ranges according to Johnson criterium and STANAG standards

Software functions: Get full advantage of Spynel sensor with Cyclope software appliance. Cyclope provides, at a glance, real time panoramic display (360° strip, annular, radar & zoom views), multiple screen capabilities, unlimited targets designation/tracking/classification, alarm triggering, immediate threat location (azimuth, elevation, distance), GPS, AIS and radar data integration, automatic control of PTZ systems for target identification, forensic capabilities (timeline, panoramic video recording and playback), spatial and temporal bookmarks, multiple threats displayed on situation map, fine image stabilization and more...



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