MAGOS

REINVENTING RADAR

About Magos

Magos introduces disruptive technology to the security industry with high-performance radars and AI-based software capabilities. By combining enhanced intruder detection with accurate threat classification, Magos offers the most effective and reliable perimeter protection solution.

Outstanding radar performance and resolution in all weather and lighting conditions

Cutting-Edge AI technology reduces nuisance alarms to near zero

Seamless system integration while utilising existing infrastructure

Extensive know-how with expert training and support

Less infrastructure, maintenance, and manpower costs

MASS+AI
Real-time control with minimum false alarms

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Magos Area Surveillance Software (**MASS**) is a real-time command and control system for monitoring the Magos radars input, controlling the PTZ cameras, and managing the Magos AI solution.

MASS seamlessly integrates with all major site-security solutions, including VMS, Access Control, PSIM and etc., and is compatible with ONVIF compliant PTZ cameras.

MASS+AI combines the best of two technologies: Magos radars for superior object detection and tracking, and AI algorithms for accurate video-based object classification, reducing nuisance alarms to near zero without compromising threat detection capabilities.

Additional Features Include:

- Multi-target classification of people, vehicles, and animals, while filtering out nuisance alarms
- Automatic control of any number of sensors and PTZ cameras
- Real-time handling of multiple threats
- Advanced class-based and geo-filtering delivers only relevant information

- Easily deployable web-based software with minimal system requirements
- AI-based automatic & accurate target classification, with no need for manual intervention
- BlueForce GPS based friendly target tracking

Magos Ground-Based Radars

High performance for outstanding detection

The Magos radars utilise world-class MIMO and digital beamforming technology to deliver superior resolution, coverage, and performance even in the most challenging cluttered environments and in all-weather and lighting conditions. With outstanding specifications, both in azimuth and in elevation, the radars enable complete site coverage without dead zones. Low maintenance, no moving parts, and high reliability make Magos the most cost-effective perimeter protection system available.

Specifications

SR-150

DETECTION RANGE	Human: 150m Vehicle/Boat: 150m
AZIMUTH COVERAGE	120°
ELEVATION COVERAGE	30°
RANGE ACCURACY	0.1m
AZIMUTH ACCURACY	1°
SCAN RATE	8 scans per sec
TARGET DETECTION SPEED	0.3 - 30m/sec
DIMENSIONS (W/H/D)	24.3cm X 14.9cm X 5.9cm / 9.6" X 5.9" X 2.3"
POWER CONSUMPTION	48V, 11W
WEIGHT	1.2Kg / 2.6lb
APPROVALS / CERTIFICATIONS	CE, FCC, UL, IC, Anatel (Brazil), ETA (WPC - India), KC (Korea), EAC (RFA - Russia), RCM (Australia)

SR-500C

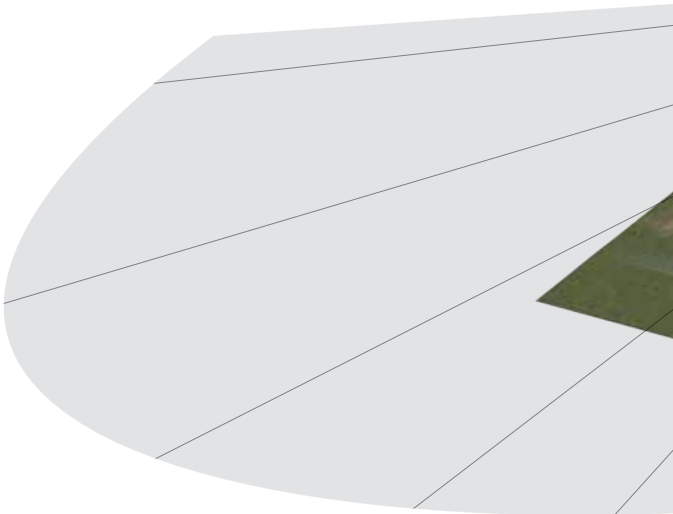| |
|---|
| Human: 400m
Vehicle/Boat: 600m |
| 100° |
| 30° |
| 0.1m |
| 0.7° |
| 8 scans per sec |
| 0.3 - 30m/sec |
| 24cm X 32cm X 5.8cm /
9.4" X 12.6" X 2.3" |
| 48V, 11W |
| 3Kg / 6.6lb |
| CE/RED EN 62368-1:2014,
EN 60950-22:2006 / AC:2008, EN 301
489-1, EN 301 489-3, EN 300 440 |

Frequency C-Band 5.8 GHz / **Sensor Type** High resolution MIMO digital beam-forming radar / **Reliability** MTBF of 50,000 hours, no moving parts / **Communication Interface** Ethernet (less than 100kbps) / **Power Interface** PoE 802.3af (802.3at Type 1) / **Environmental Ratings** NEMA-6, IP67 / **Operating Temperature** -40 - +70° C

Magos AI Appliance

The Magos AI Appliance adds deep-learning video analytics to any IP camera. Combined with Magos Area Surveillance Software (MASS), radar detection performance is significantly enhanced by the automated target classification capability, which greatly reduces nuisance alarms from wildlife and moving vegetation, while increasing target detection and tracking.

A Wide Spectrum of Verticals

Electric Utilities

Data Centres

Renewable Energy

Oil & Gas

Car Lots

Seaports

Water Facilities

Airports

Aqua Agriculture

Correctional Facilities
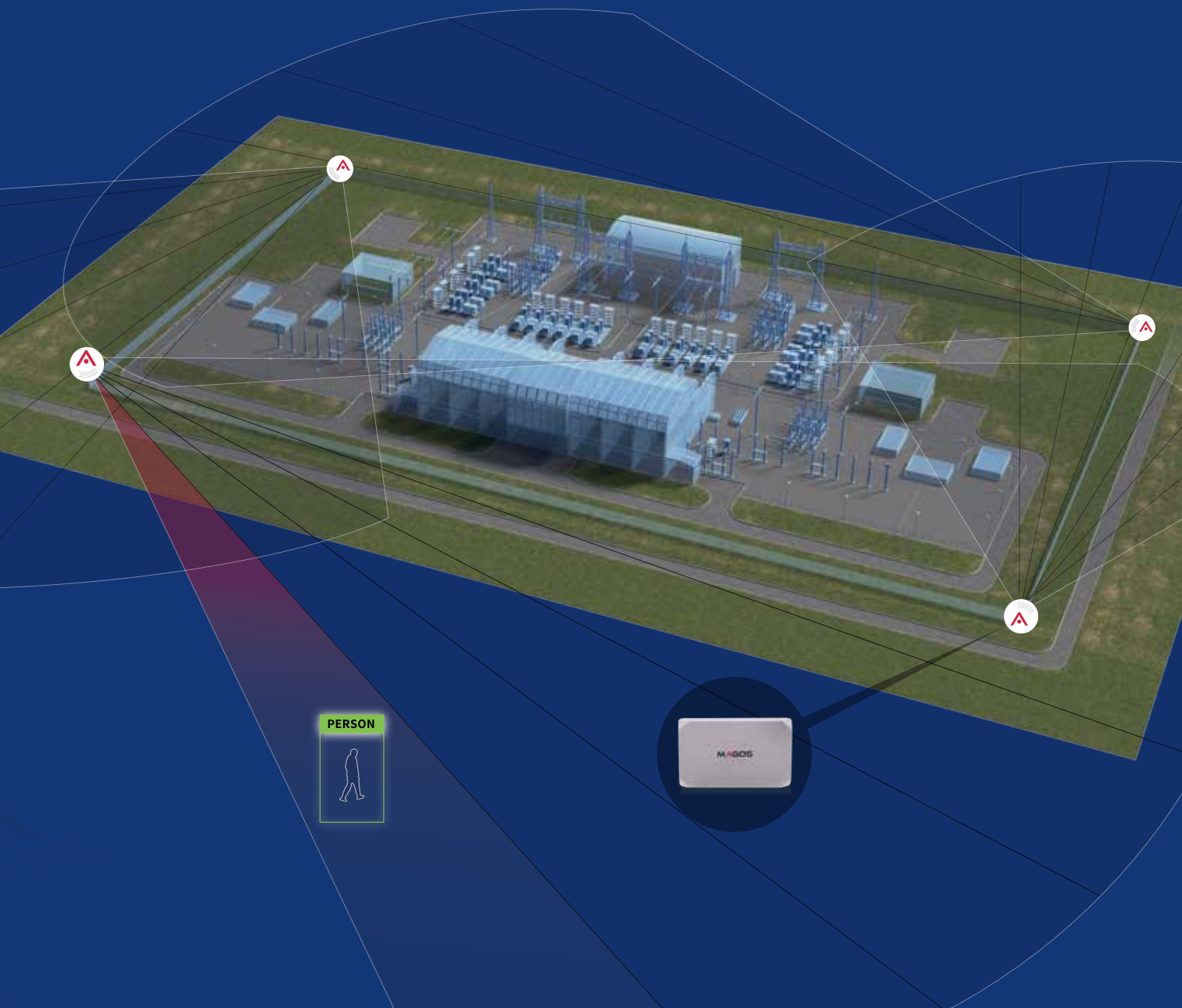
Logistics & Warehouses

Stadiums & Arenas

End-to-End Perimeter Protection

MAGOS

For more information about Magos Systems, visit magossystems.com
or contact the Magos team at info@magosys.com