MAGOS SYSTEMS

MAGOS

REINVENTING RADARS

MAGOS AREA SURVEILLANCE SOFTWARE - MASS

Integrated and operational with a variety of VMS – Milestone, Avigilon, Genetec, FLIR Latitude, EXACQ, Symphony and more...

Advanced Masking/ Geo fencing capabilities

Integrated Video Analytics target classification for Minimal FAR

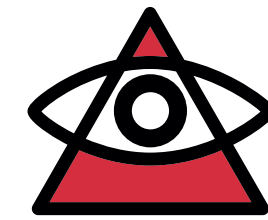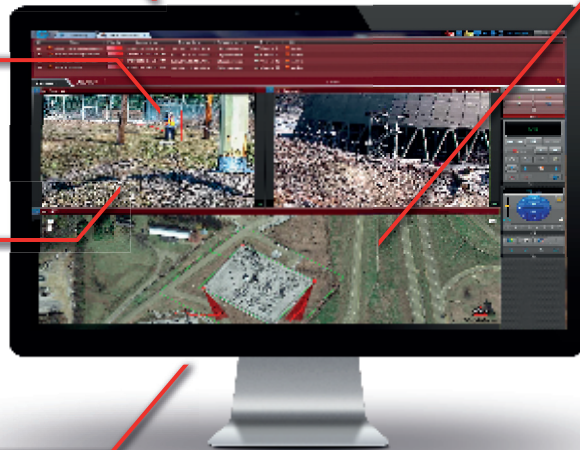Automatic PTZ Slew-to-cue – plug and play with ONVIF cameras

Easy setup and installation with our installer app and setup Wizard

Mobile device operation and Pairing – real time blue force tracking

Automatic Drone launch to Radar detection

Fully unattended operation with Multi Site capabilities
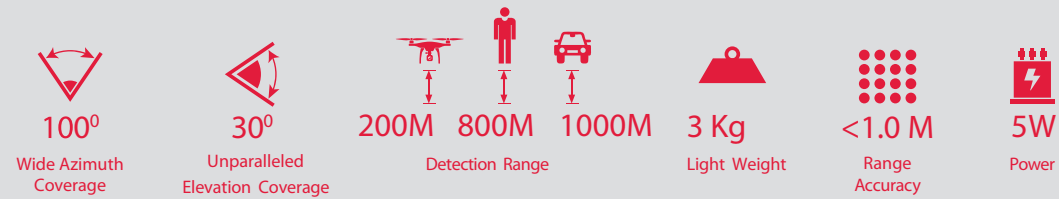
Web, IP, Map based radar control interface

SCEPTER
SR1000

100⁰
Wide Azimuth Coverage

30⁰
Unparalleled Elevation Coverage

200M 800M 1000M
Detection Range

3 Kg
Light Weight

<1.0 M
Range Accuracy

5W
Power

SCEPTER - SR1000

The Scepter is Magos' long range addition to our advanced and cost effective perimeter protection detection solutions for both rural and more saturated environments, without compromising on detection performance.
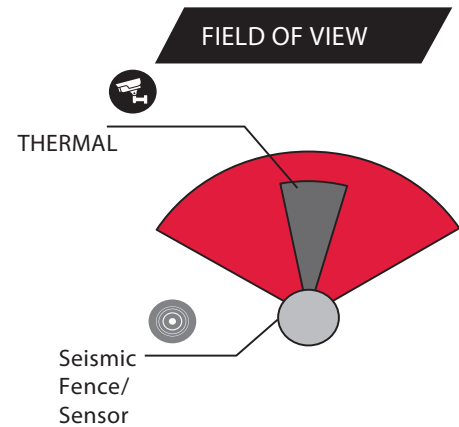
By utilizing state of the art MIMO & Digital beam forming technology it covers an area of more than 500,000m² (>120 acres) with a detection range of up to 1000m and yet consumes extremely low power (<5W).

It boasts an ultra-high range accuracy giving it excellent performance in cluttered environments.
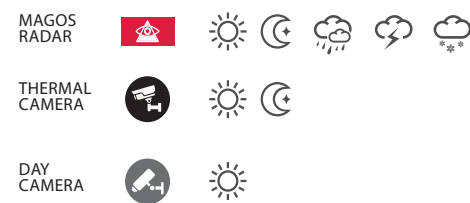
Its small size, low power consumption and low weight make it simple to install and renders it ideal as a deployable system as well.
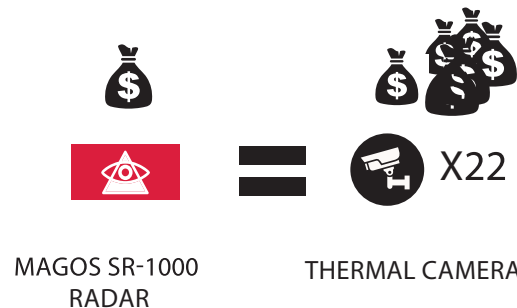
SPECIFICATIONS

Sensor type	High resolution MIMO digital beam-forming radar
Frequency	C-Band
Detection range	Up to 800m Human/1000m for Vehicle/Boat Drone detection - 200m
No moving parts	MTBF of 50,000 hours
Built in tracker	Extremely low required bandwidth
Scan rate	2 scans per second
Azimuth coverage	100⁰
Elevation coverage	30⁰
High Range accuracy	<1.0m
Azimuth accuracy	1⁰
Target detection speed	0.3 – 30 m/sec
Power	48V, <5W
System interface	Ethernet (PoE)
Dimensions	250mm(w) x 300mm(h) x 80mm(d)
Weight	3 Kg
Frequency	5.8GHz FCC&CE certified

FIELD OF VIEW

THERMAL

Seismic Fence/ Sensor

ALL WEATHER & LIGHTING OPERATION

MAGOS RADAR

THERMAL CAMERA

DAY CAMERA

SHORT AND LONG TERM COST EFFICIENCY

MAGOS SR-1000 RADAR = THERMAL CAMERA X22

APPLICATIONS

AIRPORTS

CRITICAL INFRASTRUCTURE
Gas industry private sector

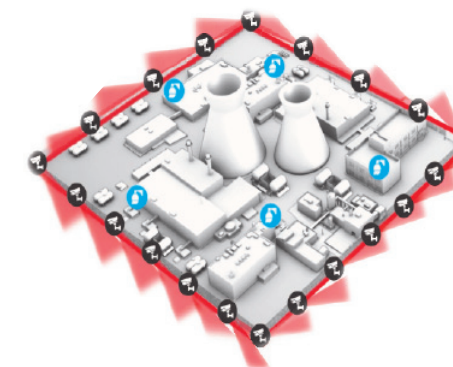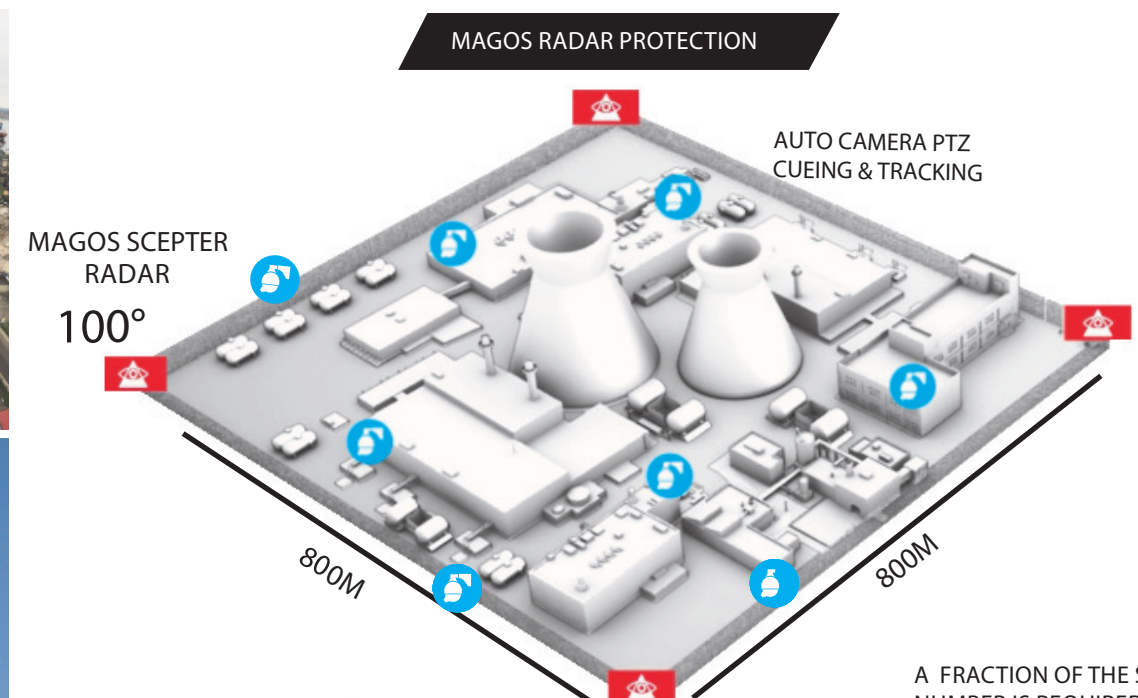**SEAPORT & WATER FACILITIES**
Dams & Waterfalls

ELECTRIC & UTILITIES
Power plants, Power sub stations

OIL & GAS
Oil field, Pipelines
Pump stations, Refineries

DEPLOYABLE SOLUTIONS
Anti cattle and equipment theft, Large Estate Protection, Large

HIGH SECURITY AREA
Prisons

VIRTUAL FENCES
Private sectors, Logistic centers Small sites, Parking lots, Border Gap Filling, Government facilities, Base/FOB protection

MAGOS RADAR PROTECTION

AUTO CAMERA PTZ CUEING & TRACKING

MAGOS SCEPTER RADAR
100°

800M

800M

A FRACTION OF THE SENSOR NUMBER IS REQUIRED DUE TO SUPERIOR DETECTION PERFORMANCE &COVERAGE

CONVENTIONAL PROTECTION

MAGOS SYSTEMS