PROTECT YOUR FACILITY
WITH THE ULTIMATE PERIMETER
PROTECTION SOLUTION

SR-500

OUR FLAGSHIP RADAR - HUNDREDS OF UNITS ALREADY DEPLOYED WORLDWIDE

ALL WEATHER, 24/7 WIDE AREA SURVEILLANCE

MAGOS OFFERS RADAR BASED, COST EFFECTIVE, STATE-OF-THE ART
PERIMETER PROTECTION SOLUTIONS

- All-weather 24/7 Cost effective solution for smaller sites in need of high level security
- 60 acre wide area coverage: 120˚ (horizontal) x 30˚ (vertical) detection up to 600 m/2,000 ft
- Integrated with most VMS platforms
- Auto PTZ slew-to-cue integrated with most PTZ brands
- Lower initial investment and Reduced operating costs – No moving parts and Wide Area coverage
- Install 4 SR-500 and 1 PTZ Camera for all weather cost effective 360˚ solution covering over 120 acres
- Edge processing driven extreme power & data efficiency – easy solar + wireless integration
- Easy installation & commissioning with MASS Wizard site builder
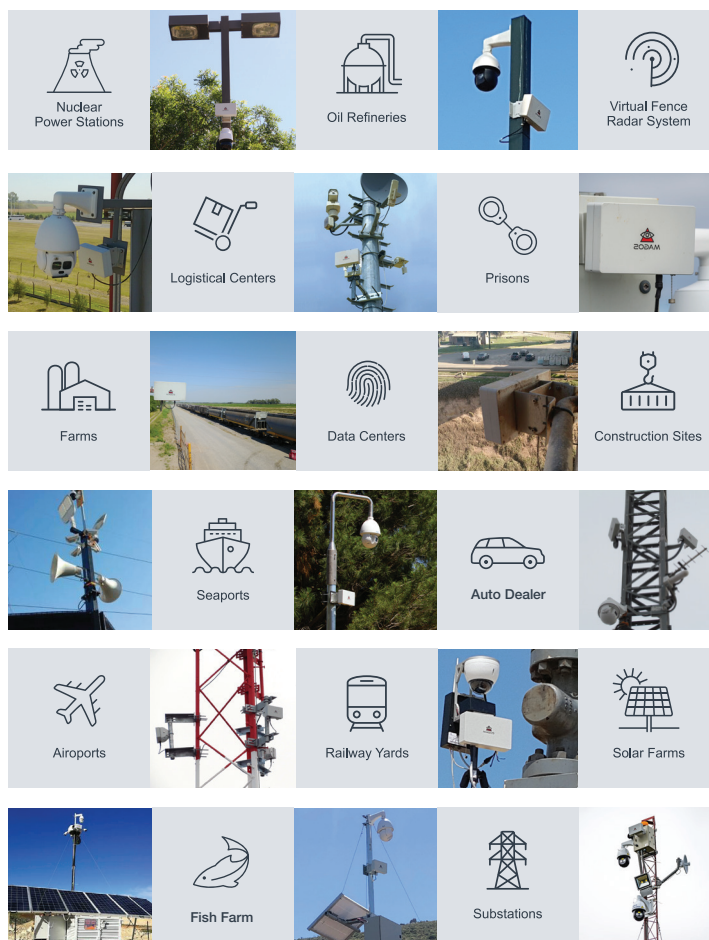- Integrated with MASS+AI - minimal nuisance alarms with AI based target classification

SR-500

Magos' SR-500 is our most advanced radar and the most cost effective perimeter protection solution for both rural and more saturated environments, without compromising detection performance.

By utilizing state of the art MIMO & Digital beam forming technology It covers an area of more than 250,000m2(>61acres) with a detection range of up to 500m for walker and 600m for vehicle/boat, and yet consumes extremely low power (<3.5W) with a small form factor. 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.

WIDE SPECTRUM OF APPLICATIONS

Nuclear Power Stations
Oil Refineries
Virtual Fence Radar System
Logistical Centers
Prisons
Farms
Data Centers
Construction Sites
Seaports
Auto Dealer
Airoports
Railway Yards
Solar Farms
Fish Farm
Substations

SPECIFICATIONS

Sensor type	High resolution MIMO digital beam-forming radar
Frequency	C-Band
Detection range	Up to 100m Drone, 500m Human & 600m Vehicle/ Boat
No moving parts	MTBF of 50,000 hours
Built in tracker	Extremely low required bandwidth (<1kbps)
Scan rate	2 scans per second
Azimuth coverage	120^0
Elevation coverage	30^0
High Range accuracy	<1.0m
Azimuth accuracy	1^0
Target detection speed	0.3 – 30 m/sec
Power	48V, 3.5W
System interface	Ethernet, POE - IEEE 802.3at Type 1 (802.3af) &Type 2
Dimensions	250(w) x 150(h) x 59(d) mm / 9.8(w) x 5.8(h) x 2.3(d) inc
Weight	1.5 Kg / 3.3lb
Environmental	Full outdoor functionality, IP67. FCC & CE compliant
Approvals	FCC, UL
Operating temperature	-40^0- $+85^0$C

$120°$	$30°$	100M	500M	600M	1.5 Kg	<0.3M	<3.5W
Wide Azimuth Coverage	Unparalleled Elevation Coverage		Detection Range		Light Weight	Range Accuracy	Power