

# SR-500

## Perimeter Security Radar Sensor

- Low cost
- Up to 350m detection range
- Easy to use, web based control software
- Automated Built in self test mechanism
- No moving parts
- Digital Beam-forming Radar
- Low false alarms rate
- All-Weather operation
- 120° Azimuth Coverage
- 30° Elevation Coverage
- High resolution, high accuracy



### GENERAL DESCRIPTION

The SR-500 is a digital beam forming radar with improved range resolution which autonomously monitors, detects and alerts on moving objects in the defended perimeter.

The SR-500 operates in 5.5 GHz unlicensed ISM band, with very low output power and poses no radiation hazard. It is designed as an outdoor sensor and provides full threat detection capabilities under all-weather and visibility conditions.

SR500 sensors may be linked to Magos proprietary MASS control software or to third party solutions using API. Magos sensors are readily integrated with Milestone XProtect video management software and are available as complete solution.

### APPLICATIONS

- Factories
- Campuses
- Farms
- Warehouses
- Sensitive sites
- Mansions
- Transportation control
- Governmental buildings



## SPECIFICATION

<b>Sensor type:</b>	High resolution digital beam-forming radar.
<b>Frequency:</b>	5.5GHz Unlicensed band. Emitted power less than 100mW.
<b>Detection range:</b>	350m for walker.
<b>Scan rate:</b>	1-2 scans per second.
<b>Azimuth coverage:</b>	120°
<b>Elevation coverage:</b>	30°
<b>Range accuracy:</b>	0.1m
<b>Azimuth accuracy:</b>	<1°
<b>Resolution:</b>	0.5m
<b>Target detection speed:</b>	0.1 - 50 m/s
<b>False alarm rate:</b>	< 1 per Day.
<b>Power:</b>	9V-32V DC; <1W average power
<b>System interface:</b>	RS422 or TCP/IP
<b>Dimensions:</b>	25cm Width; 15cm Height; 5.9cm Depth
<b>Weight:</b>	1.6kg
<b>Environmental:</b>	Full outdoor functionality - IP66.

## CONTACT INFORMATION

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## Perimeter Defense Radar Sensor