

# SR-110

## PERIMETER SECURITY RADAR SYSTEM

- Digital Beam-forming Radar
- Low cost
- No moving parts
- Low false alarms rate
- All-Weather operation
- Easy to use, web based control software
- Automated Built in self test mechanism
- 360° Azimuth Coverage
- 60° Elevation Coverage
- Fully unattended operation
- Up to 500m detection range



### GENERAL DESCRIPTION

The SR-110 is a high resolution, state of the art, digital beam forming radar which autonomously monitors, detects and alerts on moving objects in the defended perimeter.

The SR-110 operates in 2.4 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.

The SR-110 is easily integrated into existing home security systems based on relay contact output. In addition, it can be connected to a PC in order to display exact real-time threat location and history via Magos's proprietary command and control software - locally or via web access.

### 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>	2.4GHz Unlicensed band. Emitted power less than 500mW.
<b>Detection range:</b>	300m human targets, 500m vehicles
<b>Scan rate:</b>	Two scans per second.
<b>Azimuth coverage:</b>	360°
<b>Elevation coverage:</b>	60°
<b>Range accuracy:</b>	0.2m
<b>Azimuth accuracy:</b>	2°
<b>Target detection speed:</b>	< 0.1 m/s
<b>False alarm rate:</b>	< Once per day.
<b>Power:</b>	9V-32V DC; <4W.
<b>System interface:</b>	RS422 or TCP/IP.
<b>Dimensions:</b>	Diameter - 40cm; Height - 25cm
<b>Weight:</b>	5kg
<b>Environmental:</b>	Full outdoor functionality - IP66.
<b>Output:</b>	Full movement track of target via RS422.

## CONTACT INFORMATION

**MAGOS**  **SYSTEMS**

13 Gad Feinsein Str., Rehovot, Israel  
Email: [info@Magosys.com](mailto:info@Magosys.com)  
Tel : +972-77-4140155  
Fax : +972-77-4140165  
Web site: [www.Magosys.com](http://www.Magosys.com)

**SR-110**

PERIMETER DEFENSE RADAR SYSTEM