



# SPECTRUM K&G

## SPECIFICATIONS

Model Number	SR-360
Operating Range	10 to 2,000 meters (33 to 6,600 ft)
Detection Ranges	250 meters (800 ft), for crawling human 1,000 meters (3,300 ft), for walking human 1,500 meters (5,000 ft), for light vehicle 2,000 meters (6,600 ft), for heavy vehicle
Coverage Area	over 12 Km <sup>2</sup> (3.5 square miles)
Range Resolution	3 meters (10 ft) x 5° azimuth
Azimuth Beamwidth	5°
Elevation Beamwidth	45°
Coverage	360° azimuth
Frequency	24.125GHz
Radiating Power	less than 250µV/m at 3 meters (10 ft)
Input Power	10 to 30 Volts AC or DC, 10 Watts
Scan Rate	1 revolution per second
Dimensions	Height: 20 cm (8") Diameter: 30 cm (12")
Weight	5 Kg (11 Lbs)
Operating Temperatures	-40°C to 70°C (-40°F to 120°F)
Alarm & communications	RS-232, RS-485, Ethernet (TCP-IP) and GIS



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Automated Detection and Tracking Response to Security Threats



[www.kgspectrum.com](http://www.kgspectrum.com)

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SR-360 Perimeter Surveillance Radar

# SR-360

Perimeter Surveillance Radar



GOOD COST EFFICIENCY  
ALL WEATHER CAPABILITY

4,000m  
diameter protection

360°  
every second

## 1 UNIQUE TECHNOLOGIE



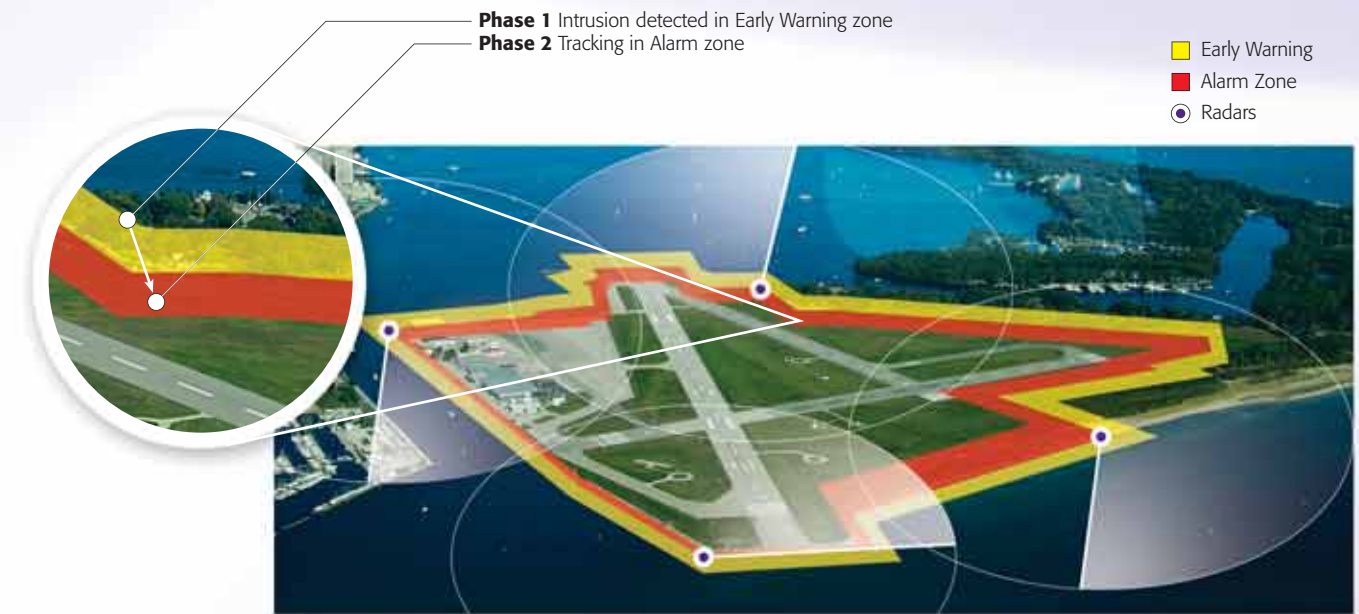
The SR-360 from Spectrum is a low power ground surveillance radar designed to provide automatic human and vehicle detection for perimeter security applications. It can properly operate in almost any weather conditions providing accurate detection with a very low false alarm rate. The SR-360 surveillance radar scans a full 360° every second with a range up to 2,000 meters (6,600 feet), offering a 4,000 meters (13,200 feet) diameter protection and covering over 12 Km<sup>2</sup> (3.5 square miles).

The SR-360 also detects intruders crossing at 90° scanning angle which is a major advantage over some other ground based surveillance radar competitors. The combination of two SR-360 can track multiple intrusions, zoom on up to two intrusions to extract the doppler audio signature while performing full 360° scan every second.

- ▶ Automated Detection
- ▶ Tracking Response to Security Threats

### ADVANTAGES

- ▶ **Millimeter Wave**  
Small Size  
Immune to Environment Changes
- ▶ **Spread Spectrum Technology**  
Immune to Interferences  
Multiple Sensors
- ▶ **Doppler Radar**  
Tracking Capability  
Intrusion Audio Signature



## 2 NETWORKING CONFIGURABILITY

The SR-360 unit can also be networked together and with other KG Spectrum's fix sensor models for full protection of open areas, fenced compounds and potential blind spots. There is no frequency interferences between sensors using proprietary spread spectrum modulation allowing easy deployment of multiple sensors.

### BENEFITS

- Early warning of potential intruders
- Continuous tracking of intruders
- Ease of use with user friendly software
- Operates in almost any weather conditions
- Low false alarm rates
- Full camera integration
- Cost effective

### APPLICATIONS

- Detect humans and vehicles
- Perimeter protection
- Border security
- Wide open area security
- Fenced compounds security
- Military installations
- Guarded facilities

## 3 INTEGRATED SOLUTION

The SR-360 can also track multiple intruders while zooming to extract doppler audio, scanning 360° and also control long range high performance cameras to allow proper visual identification of potential security threats. The system allows proper integration to surveillance cameras and other surveillance products by providing instant target location and direc-



## 4 USER FRIENDLY SOFTWARE

The software and graphical user interface allows easy to configure detection zones with early warning, detection and critical areas for different levels of security warnings providing accurate security intrusion detection around the clock.