

AdvanceGuard

AGS800 and AGS800-X

Overview

The AdvanceGuard AGS800 and AGS800-X are compact, high performance, 360° scanning radar sensors. Housed in a lightweight rugged enclosure with an industry standard network interface, the sensor is easy to use and integrate as part of a multi-radar system. Offering a 25cm - 50cm range resolution, the AGS800 and AGS800-X are ideal for applications that require cost effective, high resolution sensing.

The ability to operate reliably in all light and weather conditions such as rain, snow, dust and fog makes the sensor the best choice for many outdoor applications. The low transmitted power ensures it causes no adverse effects when operating in close proximity to people or personnel.

Features

- Compact rugged design
- 100 Mb Ethernet
- High range resolution – 25cm - 50cm
- Fast scan rate - 360° per second
- Low power consumption – 18W
- All weather operation
- High reliability

Benefits

- Cost effective coverage of large areas - up to 800 metre radius or 2,000,000m² coverage
- Flexible mounting height - up to 6 metres
- AGS800-X allows improved visibility over objects or infrastructure
- Very low power consumption enabling battery or solar power options



AGS800





Preliminary Data Sheet

Technical Specifications

	AGS800	AGS800-X
Maximum Range	up to 750m radius	up to 600m radius
- Man	800m	800m
- Vehicle	25cm - 50cm	25 - 50cm
Resolution	2°	2°
Beamwidth-Azimuth	4°	spread beam
Beamwidth-Elevation	360°	360°
Field of view	360° per second, configurable	360° per second, configurable
Scan Rotational Speed/Rate	12Mbit/s*	12Mbit/s*
Bandwidth	100 Mb Ethernet	100 Mb Ethernet
Interface	24 Volts	24 Volts
Supply Voltage	18 Watts	18 Watts
Power Consumption	13kg	13kg
Weight	1.5m - 2m	up to 6m
Mounting Height		

Environmental

Compliance

IP 67	IP 67
CE Approved	CE Approved
EMC 89/336/EEC	EMC 89/336/EEC

Operating Temperature

-20 to + 60C°	-20 to + 60C°
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*Dedicated IP network recommended.

