

AdvanceGuard

AGS1600 and AGS1600-X

Overview

The AdvanceGuard AGS1600 and AGS1600-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 AGS1600 and AGS1600-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 - typically 216° per second
- Low power consumption – 18W
- All weather operation
- High reliability

Benefits

- Cost effective coverage of large areas - up to 1600m radius or 8,000,000m² coverage
- Flexible mounting height - up to 10m
- AGS1600-X allows improved visibility over objects or infrastructure
- Very low power consumption enabling battery or solar power options



AGS1600





Preliminary Data Sheet

Technical Specifications

Maximum Range - Man
- Vehicle

Resolution

Beamwidth-Azimuth

Beamwidth-Elevation

Field of view

Scan Rotational/Rate

Bandwidth

Interface

Supply Voltage

Power Consumption

Weight

Mounting Height

AGS1600

up to 1000m radius

up to 1600m radius

25cm - 50cm

1°

3°

360°

216° per second

12Mbit/s*

100 Mb Ethernet

24 Volts

18 Watts

20Kg

1.5m - 2m

AGS1600-X

up to 760m radius

up to 1500m radius

25cm - 50cm

1°

spread beam

360°

216° per second

12Mbit/s*

100 Mb Ethernet

24 Volts

18 Watts

21Kg

up to 10m

Environmental

Compliance

IP 67

CE Approved

EMC 89/336/EEC

IP 67

CE Approved

EMC 89/336/EEC

Operating Temperature

-20 to + 60C°

-20 to + 60C°

*Dedicated IP network recommended.

