

AdvanceGuard

W500 and W500-X

Overview

The AdvanceGuard W500 and W500-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 W500 and W500-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 interface
- 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 500 metre radius or 780,000m² coverage
- Flexible mounting height - up to 6 metres
- W500-X allows improved visibility over objects or infrastructure
- Very low power consumption enabling battery or solar power options



W500





Data Sheet

Technical Specifications

	W500	W500-X
Maximum Range	500m radius	350m radius
- Man	500m radius	500m radius
- Car		
Resolution	25cm	25cm
Beamwidth-Azimuth	2°	2°
Beamwidth-Elevation	4°	spread beam
Field of view	360°	360°
Scan Rotational Speed/Rate	360° per second, configurable	360° per second, configurable
Bandwidth	8Mbit/s*	8Mbit/s*
Interface	100 Mb Ethernet	100 Mb Ethernet
Supply Voltage	24 Volts	24 Volts
Power Consumption	18 Watts	18 Watts
Weight	13kg	13kg
Mounting Height	1.5m - 2m	up to 6m

Environmental

Compliance

IP 67
CE Approved
EMC 89/336/EEC

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Operating Temperature

-20 to + 60C°

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*Dedicated IP network recommended.

