

AdvanceGuard

W200 and W200-X

Overview

The AdvanceGuard W200 and W200-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 W200 and W200-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 200 metre radius or 125,000m² coverage
- Flexible mounting height - up to 6 metres
- W200-X allows improved visibility over objects or infrastructure
- Very low power consumption enabling battery or solar power options



W200





Data Sheet

Technical Specifications

Maximum Range - Man
- Car

Resolution

Beamwidth-Azimuth

Beamwidth-Elevation

Field of view

Scan Rotational /Rate

Bandwidth

Interface

Supply Voltage

Power Consumption

Weight

Mounting Height

W200

200m radius
200m radius
25cm - 50cm
2°
4°
360°
360° per second, configurable
4Mbit/s*
100 Mb Ethernet
24 Volts
18 Watts
13kg
1.5m - 2m

W200-X

200m radius
200m radius
25cm - 50cm
2°
spread beam
360°
360° per second, configurable
4Mbit/s*
100 Mb Ethernet
24 Volts
18 Watts
13kg
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.

