

# AdvanceGuard I500 and I500-X

## Overview

The Navtech I500 and I500-X are compact, high performance, scanning radar systems designed for static or mobile applications. With an industry standard network interface and low power consumption, they are very easy to use and integrate as part of a multi-radar system. Offering a 25cm range resolution the I500 and I500-X are ideal for applications that require cost effective, high resolution sensing in all weather conditions. Housed in a rugged enclosure, they are largely unaffected by environmental conditions such as rain, snow, smoke, dust and fog.

## Features

- Compact rugged design
- 100 Mbit Ethernet interface
- High range resolution – 25cm
- Fast scan rate – 360° per second (configurable)
- Low power consumption – 25W
- All weather operation
- High reliability
- Minimal maintenance required





### Data Sheet

#### Technical Specifications

Maximum Range - Man  
- Vehicle

Resolution

Beamwidth-Azimuth

Beamwidth-Elevation

Measurement Rate

Field of view

Scan Rotational Rate

Interface

Supply Voltage

Power Consumption

Weight

Mounting Height

#### I500

500m radius

500m radius

25cm

2°

2° (3° optional)

850 per second

360°

360° per second (configurable)

100 Mb Ethernet

24 Volts

25 Watts

17kg

1.5m – 2m

#### I500-X

350m radius

500m radius

25cm

2°

spread beam

850 per second

360°

360° per second (configurable)

100 Mb Ethernet

24 Volts

25 Watts

17kg

up to 4m

#### Environmental

##### Compliance

IP 67

CE Approved

E.T.S.I. EN301091 V1.1.1(1998-06)

EMC 89/336/EEC

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#### Operating Temperature

-20°C to +60°C (+70°C option available)

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