


 NOBELTEC®

Higher Resolution...
Greater Confidence

Nobeltec® InSight Radar Box™

The Nobeltec InSight Radar Box is a revolutionary new product that integrates your existing radar system with Nobeltec Navigation Software. By interfacing your radar with the InSight Radar Box, radar images can be viewed right on top of your electronic charts! This provides you with high resolution radar overlay capabilities that, until now, have cost much more.

Nobeltec's InSight Radar Box is used as a "slave" to your existing radar system. This enables you to view radar images on your radar display and on your Nobeltec Navigation Software at the same time. The InSight Radar Box is compatible with most popular radars models, which makes it easy to own and operate.



Compatible With Most Radar Models

—
Brings Old Radars Back To Life

—
Overlays Radar On Electronic Charts

—
1024 x 1024, 256 Color Resolution

—
Provides Radar Display Redundancy

—
Radar Interpretation Made Easier

Nobeltec Product

Nobeltec InSight Radar Box

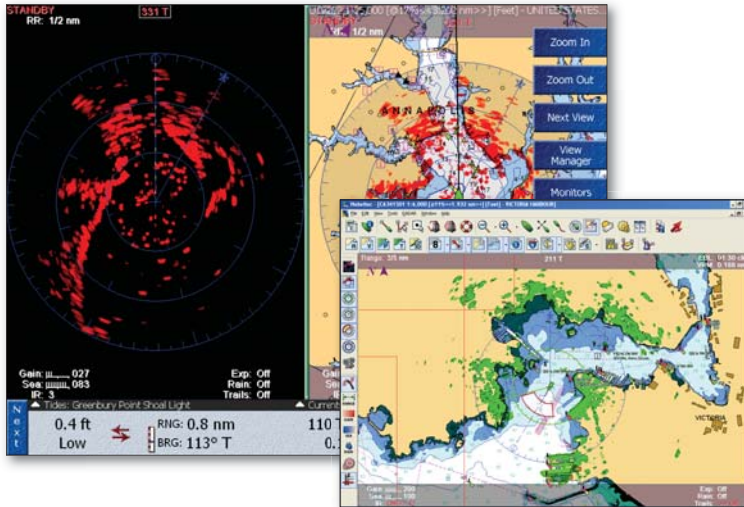
For current pricing check www.nobeltec.com

Part #

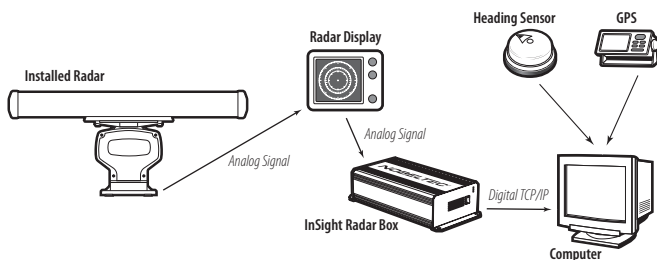
NTHBR001

InSight Radar Box™

How It Works



The InSight Radar Box is a powerful device that captures the analog radar signal from an installed radar antenna and converts it into a digital radar signal. By operating as a slave to the installed radar antenna, the InSight Radar Box makes it possible to view the radar on both the radar display and the PC at the same time. All radar controls are performed from the radar display, but the resulting digital radar image on the PC screen can be set to 256 colors and the radar resolution can be set as high as 1024 x 1024. The InSight Radar Box gives you higher resolution and greater confidence.



Breathe new life into old radars

Without the hassle of buying and installing a new radar system, the InSight Radar Box provides boaters with an existing radar the opportunity to update to the latest radar display technology. The InSight Radar Box enhances the radar resolution to 1024 x 1024 beating the cutting edge technology of today's newest radars.

Radar made safe, easy and effective

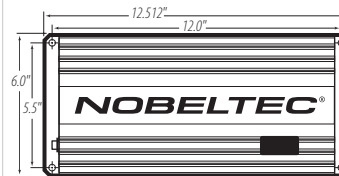
All important navigation information is available from a single source. Anti-Collision information is provided by the radar and navigation information is provided by Nobeltec Navigation Software.

Position redundancy

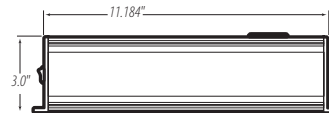
Radar overlay points out navigational aids that are missing or not in their charted position. In areas of poor or inadequate charting, radar overlay highlights errors in GPS/chart positioning allowing the user to rely on more than one source of real-time position information.

Specifications

Top View:



Side View:



Weight:	6.4 lbs
Dimensions:	11" x 6.5" x 5.2"
Power:	10 – 18 VDC
Current:	Avg 2.2 amps @ 12 VDC
Radar Source Data:	Digitization and Processing
Display:	Real-time radar data
Networking:	Ethernet with TCP/IP
Control Configuration:	Slave
Video Output:	XGA, 24-bit
Scan Line:	360° Real-time updating

InSight Box Includes

- InSight Radar Box
- Radar Connection Cable
- Ethernet Cable
 - Cross-Over
 - Patch
- Mounting Template
- Power Cord
- Installation Manual
- Operation Manual

Minimum System Requirements

- Microsoft® Windows® 2000 or XP
- 1 GHz Pentium® class processor or better
- 128 MB RAM or more
- 16 MB video card
- 32 bit color SVGA-compatible display
(Minimum Resolution: 800x600; Recommended Resolution: 1024x768)
- Network Interface Card (NIC) with Windows TCP/IP networking installed
- 10Hz Heading Sensor
(Nobeltec 10Hz Heading Sensor recommended)
- 100 MB available hard disk space
(additional space required for charts or other data)
- Available serial port for GPS and Heading Sensor connection
- 12x or higher CD-ROM drive
- Mouse or other pointing device

Power Requirements

- 12 VDC Power source for the hardware unit
- Works with 24 VDC converter

Supported Radars*

- Furuno®
- JRC®
- Raymarine®
- Other select manufacturers

* Call for specific model compatibility

For more information visit your local authorized Nobeltec reseller or visit us on the web at www.nobeltec.com.

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