



P-Sea Radar FEATURES:(P-Sea WindPlot II required)

- RADAR_{pc} offers more performance and versatility than any ordinary radar can because it takes advantage of the most powerful and easy-to-use commercial fishing software available. This perfect union of radar and charting gives you a seamless PC-based control center with many of the functions found on big ships like target expansion, image offset, trails, interference rejection, heads up, north up, course up modes. With full Loran and/or GPS overlays, seamless bathymetric charts,
- Dedicated radar window lets you see pure radar even while you are viewing a radar/chart overlay.
- Convenient tool bar lets you quickly access and adjust range, gain, sea and rain clutter rejection, guard zones.
- ARPA tracking that allows hands off recording of up to 99 target tracks.
- Special trail plotting feature indicates relative course and speed of moving targets.
- Target alarms available for in/out of guard zone with selectable sweep and video sensitivity settings.
- Automatic FTC/STC and Gain.
- Automatic hands-off tuning maintains maximum sensitivity at all times.
- Built in video capture allows you to record, hours, days or months of radar operation with time/date stamping.
- Customized guard zone, use Windows paint program to create ANY shape for radar alarm's guard zone.
- Overlay feature combines chart and radar display in either full or split screens.
- Optional use of two monitors to display the radar on one and the P-Sea WindPlot plotter program on the other.
- Sectoring allows transmitter to be turned off in any part of the radar sweep.
- Available in RS232 or Ethernet computer connection to computer (Ethernet connection recommended).
- Merge AIS and radar targets for accuracy confirmation.
- NMEA0183 TTM (Tracked Target Message) output sends out all targeted information via RS232 or Ethernet.
- Displays own vessel track when connected to a GPS sensor.
- Real radar mode displays radar sweep just like conventional radars.
- Radar image negation, removes stationary video targets from alarm zone.

SI-TEX RADARpc – Specifications

RADAR SENSORS		RADARpc-4D	RADARpc-3.5/ RADARpc-4.5	RADARpc-6.4/ RADARpc-6.6	RADARpc-12.4/ RADARpc-12.6	RADARpc-25.4/ RADARpc-25.6/ RADARpc-25.9
Scanner		25" Radome	3.5' or 4.5' Open Array	4.5' or 6.5' Open Array	4.5' or 6.5' Open Array	4.5', 6.5' or 9' Open Array
Peak Power Output		4kW	4kW	6kW	12kW	25kW
Frequency		9445 ± 30 MHz	9445 ± 30 MHz	9445 ± 30 MHz	9445 ± 30 MHz	9445 ± 30 MHz
Beam Widths	Horizontal:	3.9°	2.5° / 1.8°	1.8° / 1.2°	1.8° / 1.2°	1.8° / 1.2° / 0.8°
	Vertical:	25°	22° / 22°	22° / 22°	22° / 22°	22° / 22° / 25°
Rotation		24 RPM	24 RPM	24 RPM	24 RPM	24 RPM
Pulse Length (<i>μsec</i>)/PRF (Hz)		S: 0.8/2000 M: 0.25/1500 L: 0.8/600	S: 0.8/2000 M: 0.25/1500 L: 0.8/600	S: 0.8/2000 M1: 0.3/1500 M2: 0.6/1000 L: 1.0/500	S: 0.8/2000 M1: 0.3/1500 M2: 0.6/1000 L: 1.0/500	S: 0.8/2000 M1: 0.3/1300 M2: 0.6/800 L: 1.2/450
IF Center Frequency		60 MHz	60 MHz	60 MHz	60 MHz	60 MHz
IF Bandwidths		S, M: 15, 20 MHz L: Less than 5 MHz	S, M: 15, 20 MHz L: Less than 5 MHz	S, M: 15, 20 MHz L: Less than 5 MHz	S, M: 15, 20 MHz L: Less than 5 MHz	S, M: 15, 20 MHz L: Less than 5 MHz
Temperature		-13° to 131° F (-25° to +55° C)	-13° to 131° F (-25° to +55° C)	-13° to 131° F (-25° to +55° C)	-13° to 131° F (-25° to +55° C)	-13° to 131° F (-25° to +55° C)
Wind Velocity (relative)		100 knots	100 knots	100 knots	100 knots	100 knots
Water Resistance		IPX5 (IEC529)	IPX5 (IEC529)	IPX5 (IEC529)	IPX5 (IEC529)	IPX5 (IEC529)
Presentation Mode		North-up, Course-up	North-up, Course-up	North-up, Course-up	North-up, Course-up	North-up, Course- up
Range Scales NM		1/8, 1/4, 1/2, 3/4, 1 1/2, 3, 6, 12, 24, 36	1/8, 1/4, 1/2, 3/4, 1 1/2, 3, 6, 12, 24, 36, 48	1/8, 1/4, 1/2, 3/4, 1 1/2, 3, 6, 12, 24, 36, 48, 64	1/8, 1/4, 1/2, 3/4, 1 1/2, 3, 6, 12, 24, 36, 48, 64, 72	1/8, 1/4, 1/2, 3/4, 1 1/2, 3, 6, 12, 24, 48, 96
Minimum Range		Within 25m on 1/8 NM range	Within 25m on 1/8 NM range	Within 25m on 1/8 NM range	Within 25m on 1/8 NM range	Within 25m on 1/8 NM range
Range Discrimination		Better than 25M	Better than 25M	Better than 25M	Better than 25M	Better than 25M
Range Accuracy		Better than 8m or 0.9% of max. range of scale in use	Better than 8m or 0.9% of max. range of scale in use	Better than 8m or 0.9% of max. range of scale in use	Better than 8m or 0.9% of max. range of scale in use	Better than 8m or 0.9% of max. range of scale in use
Bearing Accuracy		Better than ± 1°	Better than ± 1°	Better than ± 1°	Better than ± 1°	Better than ± 1°
Functions		Gain, STC, FTC, interference rejection, zoom, trail	Gain, STC, FTC, interference rejection, zoom, trail	Gain, STC, FTC, interference rejection, zoom trail	Gain, STC, FTC, interference rejection, zoom, trail	Gain, STC, FTC, interference rejection, zoom, trail

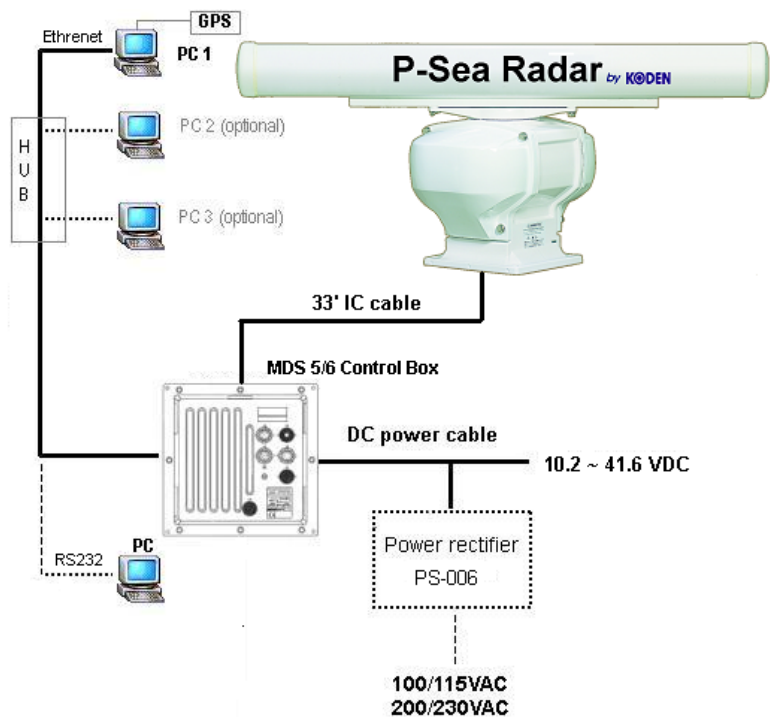
Sensor Dimensions/ Weight	25"W x 10.06"H, 22.5 lbs	3.5' W x 17.7"H, 46 lbs./ 4.5'W x 17.7"H, 49 lbs.	4.5' W x 17.7"H, 51 lbs./ 6.5'W x 17.7"H, 56 lbs.	4.5' W x 17.7"H, 51 lbs./ 6.5'W x 17.7"H, 56 lbs.	4.5' W x 17.7"H, 51 lbs./ 6.5' W x 17.7"H, 64 lbs./ 9' W x 17.7"H, 73 lbs.
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POWER

Control Circuit	Control Box (MDS-5)	Control Box (MDS-5)	Control Box (MDS-6)	Control Box (MDS-6)	Control Box (MDS-6)
Power Requirements	10.2 ~ 41.6V DC	10.2 ~ 41.6V DC	10.2 ~ 41.6V DC	10.2 ~ 41.6V DC	18 ~ 41.6V DC
Power Consumption	55W or less	70W or less	100W	110W	150W

SI-TEX RADAR_{pc} SYSTEM INCLUDES:

- Choice of RADAR_{pc} 4kW Dome; 4kW, 3.5' or 4.5' Open Array; 6kW, 4.5' or 6.5' Open Array; 12kW, 4.5' or 6.5' Open Array; or the 25kW, 4.5', 6.5' or 9' Open Array Sensors. Includes 33' of cable on all except the 25kW 6.5 & 9' Open Array comes with 49' of cable.
- P-Sea WindPlot II software w/Radar option or P-SEA WindPlot II software w/RADAR/ARPA option.
- SI-TEX Installation Instructions
- PC Interface Adapter
- Cable to connect Interface Adapter to the RADAR_{pc} cable
- Fasteners (4 bolts, 4 flat washers, 4 lock washers)
- Template for locating holes
- Rocker switch
- Fuses, 5A (spare)



PC REQUIREMENTS:

- ✓ Intel Pentium 4 processor, 2 GHz or better
- ✓ At least one RS232 serial port (for GPS)
- ✓ Parallel or USB port for hardware key (specify on order)
- ✓ CD Player
- ✓ 64 MB RAM (512 MB recommended)

Specifications subject to change without notice.