8.4-inch Color LCD Marine Radar



MDC-900A Series

8" REVOLUTION!





MDC-900A Series

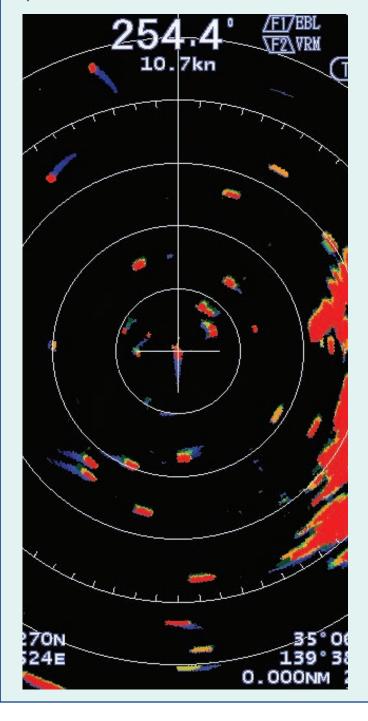
High-performance, sophisticated signal processing, usually found only in larger professional grade radars.

MDC-904A:4 kW, 1.2 feet Radome MDC-941A:4 kW, 2 feet Radome MDC-940A:4 kW, 3, 4 feet Open



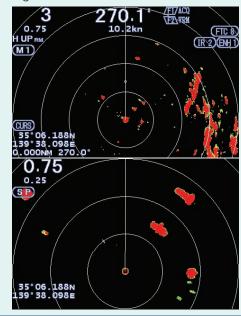
► True trail function

The display shows exactly the movement of other vessels like drawing tails, while land and buoys are shown as stationary objects even while your vessel is moving. This makes it easy for you to distinguish moving from stationary objects.



Dual range display

Exclusive dual range radar feature lets you view split-screen display of both long and short-range targets simultaneously. It's like having two radars in one.



CCD Camera input

Accepts CCD camera input, with which you can watch above deck and below deck any time you are steering.



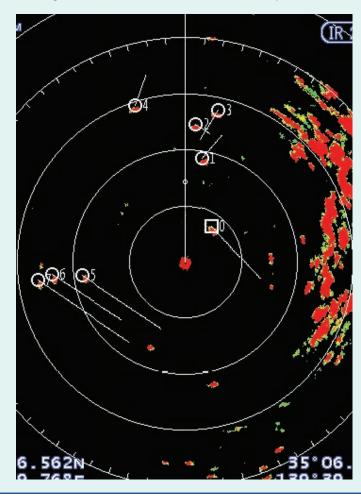


▶ ATA with up to 50 targets as option

The convenient ATA (Automatic Tracking Aid) function comes as option.

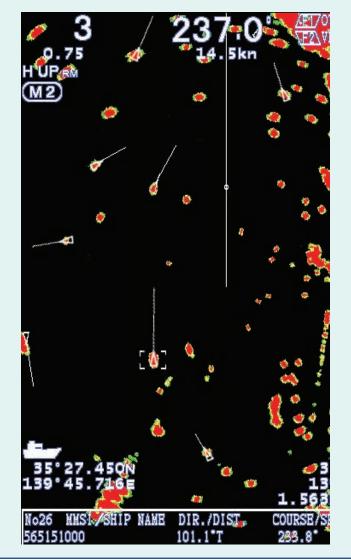
The latest movements of other vessels can be shown instantaneously in vector form and numeric form, ensuring safe navigation.

When the automatic acquisition zone is set, up to 50 targets entering the zone will be locked automatically.



▶ AIS interface up to 100 targets as option

When connected with an AIS receiver, the radar displays information on up to 100 targets including the name, heading, and speed of each vessel with an AIS transmitter mounted.



Other features

Direct bonding of Anti-Reflecting coating filter to LCD for increasing visibility and preventing condensation.

Real time smooth Head-up indication.

RGB output available for connecting external monitor. You can monitor the Radar even when you are away from steering.

Easy operation with dedicated control knobs for Gain and STC.

New sleek, compact case design can be mounted almost anywhere.

Built-in flush-mounting system for easy installation, as you can mount screws from front side.



SPECIFICATIONS



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MDC-904A MDC-941A		MDC-940A		
RB804 RB805		RB806		
Radome		Open		
1.2 feet	2 feet	3 feet	4 feet	
4 kW				
9410 MHz ± 30 MHz				
5.9°	3.9°	2.5°	1.8°	
25°		22°		
24 rpm or 48 rpm		24 rpm or 48 rpm*		
60 MHz				
8 meters or 1% of the range scale selected, whichever is the greater				
1° or less				
within 25 m				
within 25 m				
2 min				
0.08 μs, 0.15 μs, 0.3 μs, 0.5 μs, 1 μs				
	RB804 Rad 1.2 feet 4 kW 9410 MHz ± 30 MHz 5.9° 2 24 rpm c 60 MHz 8 meters or 1% of the 1° or less within 25 m within 25 m 2 min	RB804 RB805 Radome 1.2 feet 2 feet 4 kW 9410 MHz ± 30 MHz 5.9° 3.9° 25° 24 rpm or 48 rpm 60 MHz 8 meters or 1% of the range scale selected, w 1° or less within 25 m within 25 m 2 min	RB804 RB805 RB RB805 RB RB806 RB806 RB RB807 RB RB807 RB RB808 RB808 RB RB808 RB808 RB RB808 RB808 RB RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB808 RB80	

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Operating temperature	-25°C to +55°C				
Water protection	IPX6				
Display unit					
Model	MDC-904A	MDC-941A	MDC-940A		
Display unit	MRD-103A				
LCD size and type	8.4" color TFT LCD				
Effective diameter	127.4 mm				
Display resolution	480 × 640 pixels (VG	A)			
Off-centering	Max.66%				
Echo area		2 types (Full screen, Inside of effective diameter)			
Basic ranges	0.0625 to 32 NM				
Range scales	0.0625 0.125 0.25 0.5 0.75 1 1.5 2 3 4 6 8 12 16 24 32 48				
Range ring interval	0.03125 0.0625 0.125				
Presentation modes	Head-up, North-up (True motion)****, North-up (Relative motion)**,				
	Course-up (True motion)****, Course-up (Relative motion)**, WayPoint-up***				
Indication system	PPI, PPI/PPI, PPI/NAV				
Video level	8 levels (colors)				
Range unit	NM, sm, km				
Alarms	Echo (IN / OUT), ATA / AIS (CPA / TCPA), etc.				
Functions	Interference rejection, Target expansion, VRM, EBL, Parallel index, Cursor position (Lat / Lon)****, Trail****, RGB Monitor output, Slave display monitor input/output, External Buzzer output, Accepts CCD camera input, Dual display				
Input data format	NMEA 0183 Ver.1.5 / 2.0 / 3.0				
and sentences	BEC, BWC, BWR, DPT, DBT, GGA, GLL, GNS, HDG, HDM, HDT, MTW, MWD, MWV, RMA, RMB, RMC, VHW, VTG, XTE				
Output data format	NMEA 0183 Ver.2.0				
and sentences	TTM, TLL				
NMEA ports	Total 2: input and output				
ATA(TT)**** (Option)	50 targets				
AIS interface**** (Option)					
Power supply	10.8 to 31.2 VDC				
Power consumption (at 24 VDC)	55 W or less 70 W or less				
Environmental					

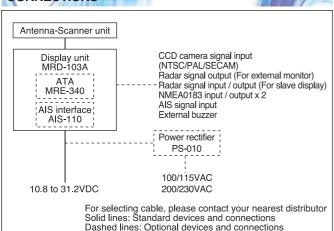
Operating temperature | -15°C to +55°C

Wat	er protection	IPX5
*	48 rpm requires fo	r input voltage of 24 VDC or more

- Requires bearing data input.

 Requires waypoint data, bearing and latitude / longitude data input.
- Requires bearing data, ship's speed data and latitude / longitude data input.

CONNECTIONS



EQUIPMENT LIST

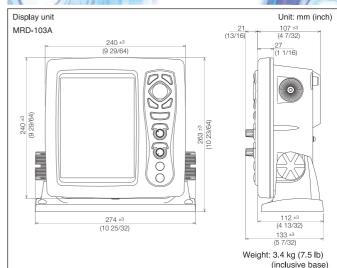
Standard Equipment

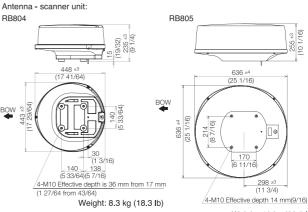
Standard Equipment					
Antenna-Scanner unit	Radome	RB804	1.2 feet	4 kW	MDC-904A
		RB805	2 feet	4 kW	MDC-941A
	Open	RB806	3, 4 feet	4 kW	MDC-940A
	Antenna	RW701A-03	3 feet		MDC-940A
		RW701A-04	4 feet		MDC-940A
Display unit		MRD-103A	with hard	cover	
Connecting cable		242J158055A-10M	10 m, MD0	C-904A /	941A
		242J159098A-10M	10 m, MD0	C-940A	
DC power cable		CW-265-2M	2 m		
Operation manual, Quick reference, Installation material, Fuse					

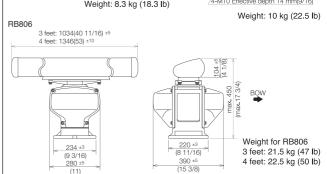
Option

ATA, AIS interface, CCD camera cable, Gyro/Log interface, Power rectifier, AC power cable, Connecting cable

DIMENSIONS AND WEIGHT







• Design and specifications are subject to change without notice.



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Safety precaution

To ensure proper and safe use of the equipment, please carefully read and follow the instructions in the Operation Manual.

For details, please contact: