

8.4-inch Color LCD Marine Radar

MDC-900A Series

8" REVOLUTION !



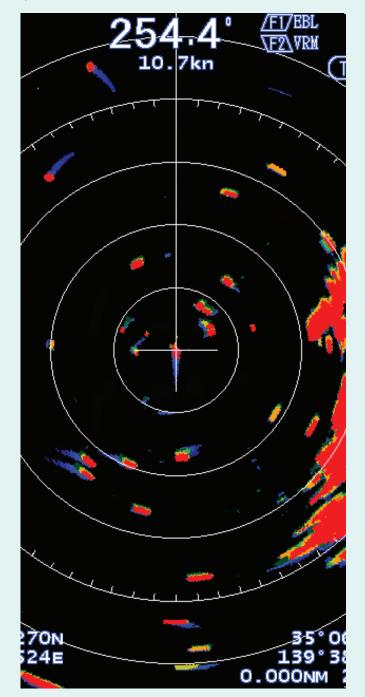
MDC-900A Series

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

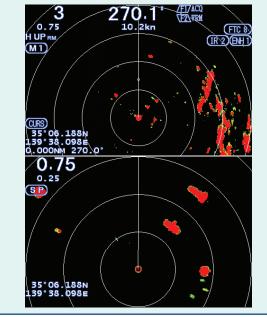
True trail function

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.



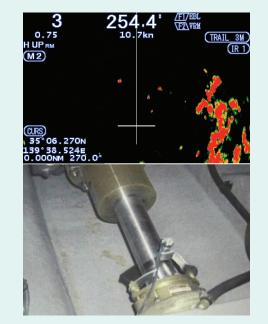
Dual range display

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.



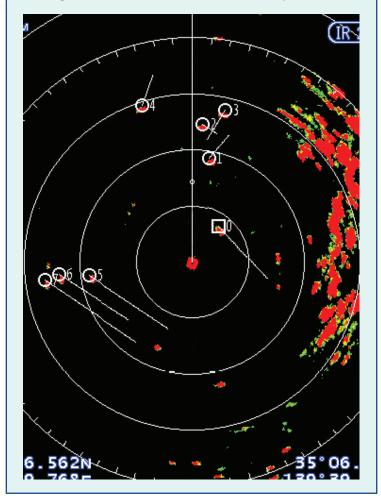


ATA with up to 50 targets as option

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.



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.

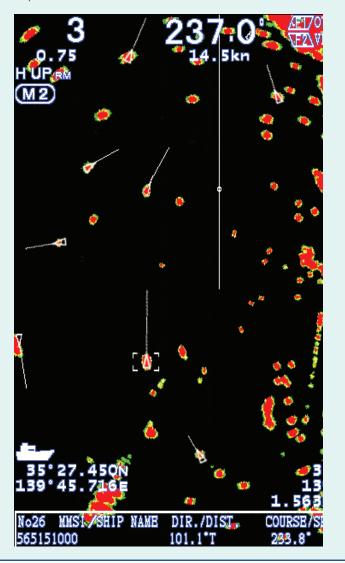
New sleek, compact case design can be mounted almost anywhere.

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



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.









Antenna-Scanner unit

Model	MDC-904A	MDC-941A	MDC-	940A	
Туре	RB804	RB805	RB	306	
Antenna type	Radome		Open		
Antenna length	1.2 feet	2 feet	3 feet	4 feet	
Output power (Peak)	4 kW				
Output frequency	9410 MHz ± 30 MHz				
Horizontal beam width	5.9°	3.9°	2.5°	1.8°	
Vertical beam width	25°		22°		
Rotation	24 rpm or 48 rpm		24 rpm or 48 rpm*		
IF center frequency	60 MHz				
Range accuracy	8 meters or 1% of the range scale selected, whichever is the greater				
Bearing accuracy	1° or less				
Minimum detecting distance	within 25 m				
Range resolution	within 25 m				
Warm-up time	2 min				
Pulse width	0.08 µs, 0.15 µs, 0.3 µs, 0.5 µs, 1 µs				
Environmental					
Operating temperature	-25°C to +55°C				

Water protection

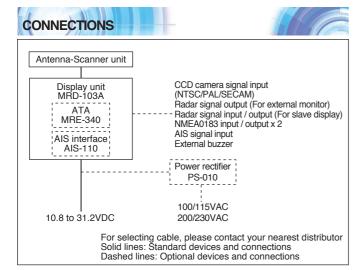
Operating temperature	-25°C to +55°C				
Water protection	IPX6				
Display unit					
Model	MDC-904A	MDC-941A	MDC-940A		
Display unit	MRD-103A				
LCD size and type	8.4" color TFT LCD				
Effective diameter	127.4 mm				
Display resolution	480 × 640 pixels (VGA)				
Off-centering	Max.66%				
Echo area	2 types (Full screen, Inside of effective diameter)				
Basic ranges	0.0625 to 32 NM 0.0625 to 48 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 0.25 0.5 1 2 3 4 6 8 12				
Presentation modes	motion)****, North-up (Re				
	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				
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Input data format and sentences	NMEA 0183 Ver.1.5 / 2.0 / 3.0				
and semences	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)		or less	70 W or less		
Environmental	•		•		
Operating temperature	-15°C to +55°C				

 Operating temperature
 -15°C to +55°C

 Water protection
 IPX5

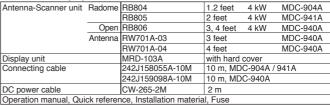
48 rpm requires for input voltage of 24 VDC or more ** Requires bearing data input. Requires waypoint data, bearing and latitude / longitude data input.

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



EQUIPMENT LIST

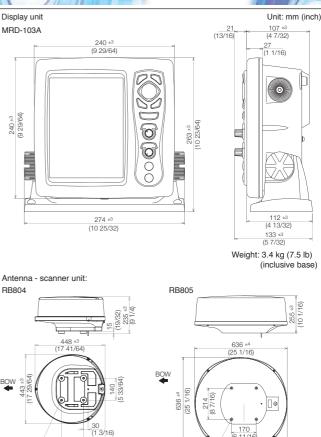
Standard Equipment



Option

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

DIMENSIONS AND WEIGHT



Weight: 8.3 kg (18.3 lb)

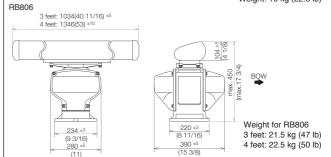
4-M10 Effective depth is 36 mm from 17 mm

140 138 (5 33/64)(5 7/16)

Safetv precaution

For details, please contact:

298 ±3 (11 3/4) 4-M10 Effective depth 14 mm(9/16) Weight: 10 kg (22.5 lb)



· Design and specifications are subject to change without notice.

To ensure proper and safe use of the equipment, please carefully

read and follow the instructions in the Operation Manual.



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