SPECIFICATIONS

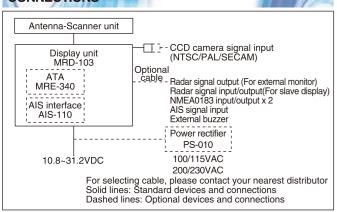
Antenna-Scanner unit

Antenna-Scanner unit								
Model	MDC-921	MDC-941	MDC-940					
Antenna type	Rad	Open array						
Antenna length	1.2 feet	2 feet	3 feet /4 feet					
Output power (Peak)	2 kW	4 kW						
Output frequency	9445 MHz ± 30 MHz		± 30 MHz					
Horizontal beam width	6.0°	3.9°	3 feet: 2.5°					
			4 feet: 1.8°					
Vertical beam width	25°		22°					
Rotation	24 rpm	24 rpm or 48 rpm	24 rpm or 48 rpm					
			(48 rpm: 24 VDC or more)					
IF center frequency	60 MHz							
Range accuracy	better than 8 m							
Minimum detecting distance	within 30 m	within 25 m						
Range resolution	within 30 m	within 25 m						
Warm-up time	2 min							
Pulse width	0.1 us, 0.15 us, 0.3 us, 0.5 us, 1 us							
Environmental								
Operating temperature	-25°C to +55°C							
Water protection	CFR-46	IPX6	IPX6					

Display unit						
Model	MDC-921	MDC-941 MDC-940				
Basic ranges	0.0625 to 24 NM	0.0625 to 32 NM	0.0625 to 48 NM			
Display unit	MRD-103					
Display size and type	8.4" color TFT LCD					
Effective diameter	127.4 mm					
Display resolution	480 x 640 pixels					
Off-centering	Max. 66%					
Echo area	2 types (Full screen, Inside of effective diameter)					
Presentation modes	Head-up, North-up (True motion***/Relative motion*),					
	Course-up (True motion*** / Relative motion*), WPT-up **					
Indication system	PPI, PPI/PPI, PPI/NAV					
Rings interval	0.03125(0.0625), 0.0625(0.125), 0.125(0.25,0.5), 0.25(0.75,1),					
	0.5(1.5,2), 0.75(3), 1(4),1.5(6), 2(8), 3(12), 4(16), 6(24), 8(32), 12(48)					
	(): Range scales					
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 nm					
	(MDC-921 up to 24 nm, MDC-941 up to 32 nm, MDC-940 up to 48 nm)					
Video level	8 levels (colors)					
Distance unit (VRM UNIT)	NM, sm, km					
Alarms	Echo (IN /OUT), ATA (CPA / CPT) etc.					
Functions Interference rejection, Target expansion, VRM, EBL (true* / relative), Pa						
	Cursor position (Lat / Lon)***, Bearing (true* / relative), Trail***, RGB Monitor output,					
	Slave display monitor input/output, External buzzer output, Accepts CCD camera input					
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	2 (input / output 2)					
ATA***	Option (Auto/Manual 50 Targets)					
AIS interface***	Option (100 Targets)					
Power supply	10.8 to 31.2 VDC					
Power consumption (at 24 VDC)	45 W or less	55 W or less	70 W or less			
Environmental						
Operating temperature	-15°C to +55°C					
Water protection	IPX5					

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

CONNECTIONS



EQUIPMENT LIST

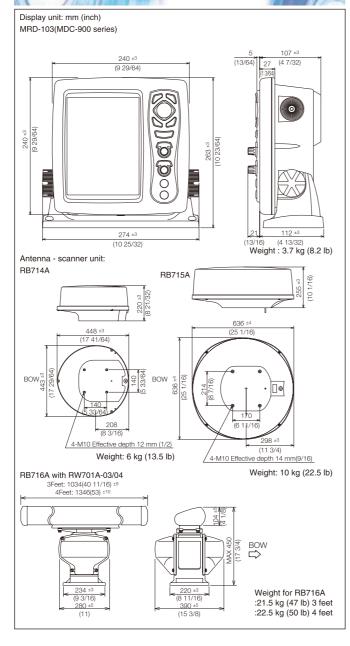
Standard Equipment

Antenna-Scanner unit		RB714A	1.2 feet	2 kW	MDC-921
		RB715A	2 feet	4 kW	MDC-941
	Scanner	RB716A		4 kW	MDC-940
	Antenna	RW701A-03	3 feet		MDC-940
		RW701A-04	4 feet		MDC-940
Display unit MR		MRD-103	with hard cover		
Connecting cable		242J160680A-10M	With two connectors, MDC-921		
		242J158055A-10M	With two connectors, MDC-941		
242J159		242J159098A-10M	With two	connector	s, MDC-940
DC power cable CW-265-2M		2 m			
CCD camera cable CW-405-0.3M					
Operation manual, Quick reference, Fuse (8A)					

Option

ATA, AIS interface, Gyro/Log interface, Power rectifier, AC power cable, Connecting cable for external monitor / external buzzer

DIMENSIONS AND WEIGHT



Design and specifications are subject to change without notice.



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

For details, please contact:



8.4-inch Color LCD Marine Radar

KODEN

MDC-900 Series

8" REVOLUTION!

KODEN



KODEN



MDC-900 Series

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

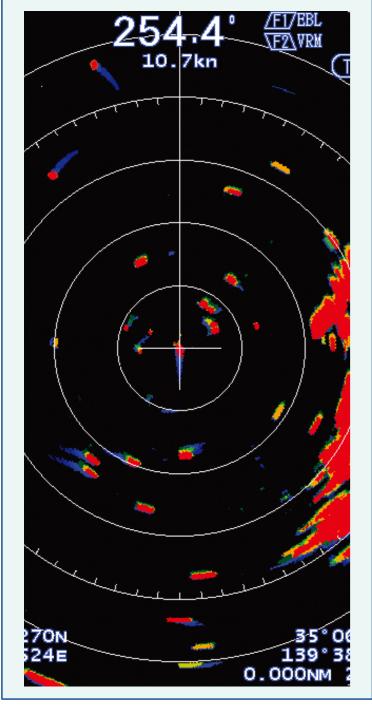
MDC-921:2 kW, 1.2 feet Radome

MDC-940: 4 kW, 3 feet / 4 feet Open



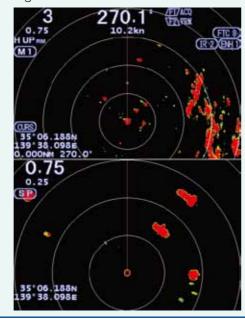
▶ True trail function

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.



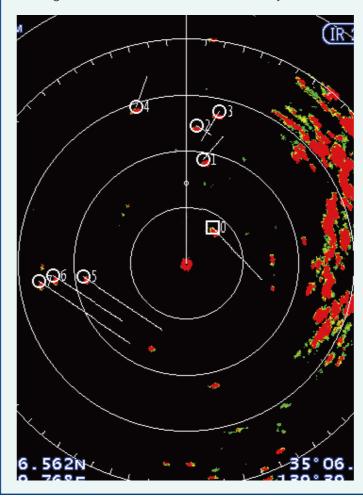


ATA with up to 50 targets as option

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

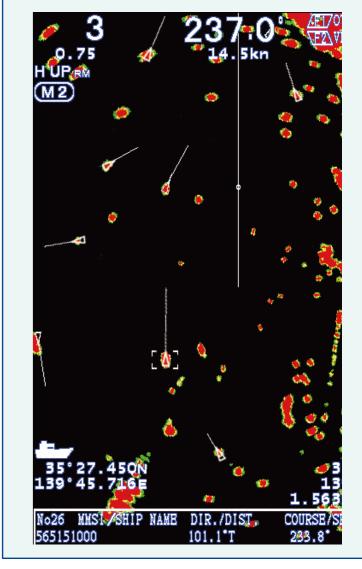
The latest movements of other vessels can be shown instantaneously in vector form and numeric form, ensuring safe navigation.

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.

