SPECIFICATIONS

Antenna-Scanner unit

Antenna-ocanner unit							
Model	MDC-921	MDC-941	MDC-940				
Antenna type	Radome		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	9410 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	0.08 us, 0.15 us, 0.3 us, 0.5 us, 1 us						
Environmental							

Operating temperature

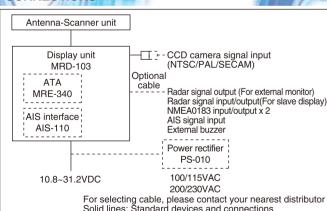
Display unit						
Model	MDC-921	MDC-941 MDC-940				
Power output (Peak)	2 kW	4 kW	4 kW			
Maximum range	24 nm	32 nm	48 nm			
Display unit	MRD-103					
Display size / type	8.4" color TFT LCD					
Effective diameter	127.4 mm					
Display resolution	480 x 640 pixels					
Off-centering	Max. 66%					
Echo area	2 types (Full screen, Inside of effective diameter)					
Presentation modes	Head-up, North-up*, Course-up*, 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 nn					
	(MDC-921 up to 24 nm, MDC-941 up to 32 nm, MDC-940 up to 48 nm)					
Video level	8 colors					
Distance unit (VRM UNIT)	NM, SM, KM					
Alarms	IN and OUT alarms					
Other functions	Interference rejection, Target expansion, VRM, EBL, Parallel index,					
	Cursor position (Lat/Lon), Bearing (true/relative), Trail*, RGB Monitor output,					
	Slave display monitor input/output, External Buzzer, Accepts CCD camera input					
Input data format	BEC, BWC, BWR, DPT, DBT, GGA, GLL, GNS, HDG, HDM,					
	HDT, MTW, MWD, MWV, RMA, RMB, RMC, VHW, VTG, XTE					
Output data format	TTM. TLL					
NMEA input/output ports	2					
AIS interface	Option (100 Targets)					
ATA	Option (Auto/Manual 50 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		·				
Water protection	IPX5					
<u> </u>	****					

^{*} Requires heading, speed, and/or position signal input from external equipment including GPS Compass depending on application of user
** Requires waypoint data input.

-15°C to +55°C

CONNECTIONS

Operating temperature



Dashed lines: Optional devices and connections

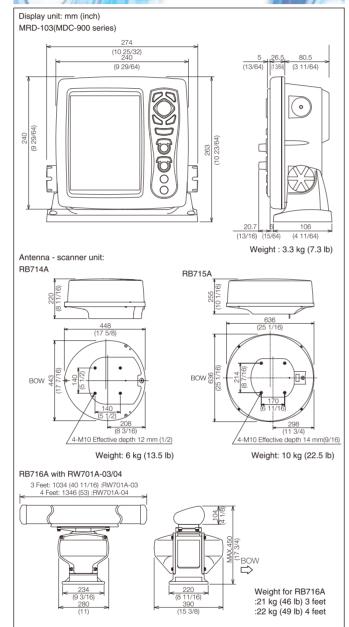
EQUIPMENT LIST

Standard Equipment

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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	MRD-103	with hard	cover			
Connecting cable	242J160680A-10M	With two connectors, MDC-921				
	242J158055A-10M	With two	connecto	rs, MDC-941		
	242J159098A-10M	With two	connecto	rs, MDC-940		
DC power cable	CW-265-2M	2 m				
CCD camera cable	CW-405-0.3M					
Operation manual, Quid	k reference, Fuse (8A)					

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

KODEN Koden Electronics Co., Ltd.

2-13-24 Tamagawa, Ota-ku, Tokyo, 146-0095 Japan Tel: +81-3-3756-6501 Fax: +81-3-3756-6509

5278 Uenohara Uenohara-shi Yamanashi 409-0112 Japan Tel: +81-554-20-5860 Fax: +81-554-20-5875

overseas@koden-electronics.co.ip

www.koden-electronics.co.jp



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

For details, please contact:



Telefono 010 870058 r.a. Telefax 010 870248 e-mail: apelmar@koden.it

8.4-inch Color LCD Marine Radar



MDC-900

8" REVOLUTION!



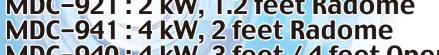


MDC-900 Series

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

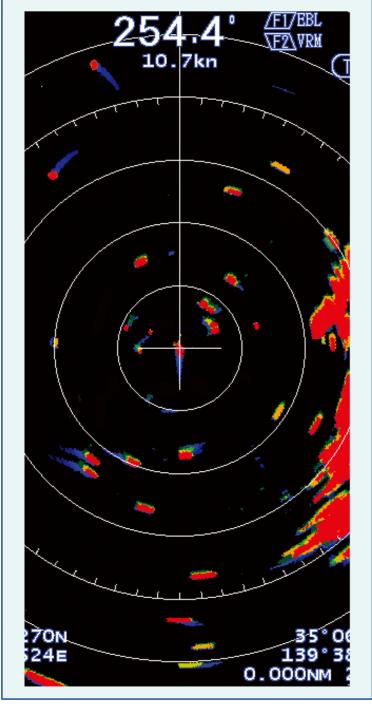
MDC-921:2 kW, 1.2 feet Radome

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.



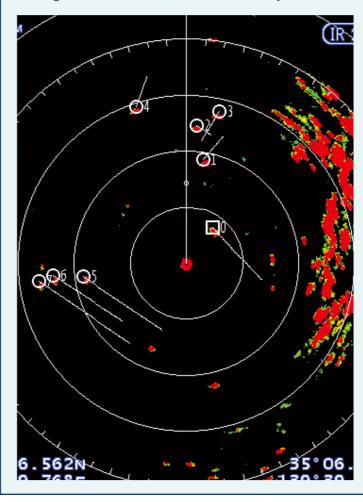


▶ ATA with up to 50 targets as option

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 outputs available for connecting two external monitors. 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.

