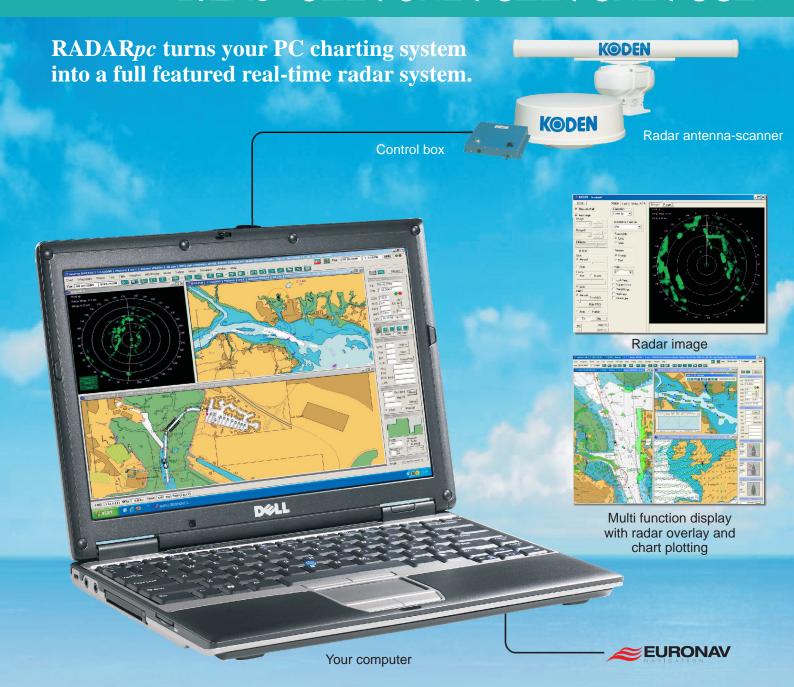


RADARpc®

MDS-51K/52K/61K/62K/63K



FEATURES

• Full range of radar variation:

A combination of the MDS-5R or MDS-6R control box and any antenna-scanner unit covers full range of KODEN radar variety selection.

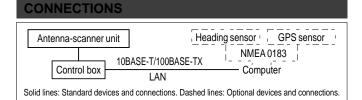
• High speed data communication:

Ethernet data communication gives interfaceability with almost every PC. Multi PC network system can be constructed.

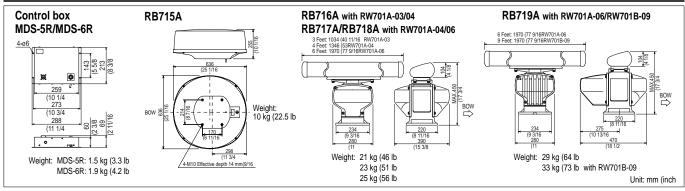
• Full performance on the seaPro software:

seaPro charting software from Euronav gives you stand alone, side by side or overlay radar image with full radar control in addition to seaPro's advanced charting capability.

SPECIFICATIONS					
Model	MDS-51R	MDS-52R	MDS-61R	MDS-62R	MDS-63R
Antenna unit	RB715A	RB716A	RB717A	RB718A	RB719A
Aerial	2 feet (Radome3 feet	4 feet 4 feet	6 feet 4 fe		9 feet
Peak power output	4 k'		6 kW	12 kW	25 kW
Transmitting frequency			9410 ±30 MHz	·	
Beam width Horizontal	3.9°	2.5° 1.8°	1.8° 1.2°	1.8° 1.2°	1.2° 0.8°
Vertical	25°	22°	22°	22°	22° 25°
Rotation			24/48 rpm		
Pulse length / PRF S	0.08 μ sec / 2000 Hz		0.08 μ sec / 2000 Hz		0.08 μ sec / 2000 Hz
M M1		0.25 μ sec / 1500 Hz		- 0.3 μ sec / 1500 Hz	
M2	<u>-</u>		0.5 μ sec / 1500 Hz 0.6 μ sec / 1000 Hz		0.3 μ sec / 1300 Hz 0.6 μ sec / 800 Hz
	0.8 μ sec / 500 Hz		1.0 μ sec / 1000 Hz		1.2 μ sec / 450 Hz
<u></u>			- 1.0 µ 000 / 000 112		1.2 µ 360 / 450 112
L2			-		
IF center frequency			60 MHz (Logarithmic amp	lifier)	
IF bandwidth S	20 MHz		20 MHz		20 MHz
M	20 MHz		-		-
M1	-		20 MHz		20 MHz
M2	-		3 MHz		3 MHz
L	3 MHz		3 MHz		-
_L1	-		-		3 MHz
L2	-		-		3 MHz
Noise figure	6.5 dB or less				
Operating temperature Operation in wind (relative)	-25°C to +55°C				
Water Protection	100 knots IPX6 (IEC945				
Control box	MDS-5R MDS-6R				
Range scales	1/8 to 36 nm	1/8 to 48 nm	1/8 to 64 nm	1/8 to 72 nm	1/8 to 96 nm
Presentation modes	1/0 to 00 11111	170 to 40 1111	Head up, North up, Course		170 to 30 1111
Echo trail interval	OFF, 15, 30 sec, 1, 3, 6 min, Continuous				
Minimum range	Better than 25 m on 1/8 nm range				
Range accuracy	Better than 8 m or 0.9% (at the maximum range of the scale in use)				
Bearing accuracy	Better than ±1°				
Range discrimination	Better than 25 m				
Functions of radar image	Auto/Manual Gain, Auto/Manual/Harbor STC, Auto/Manual FTC, Auto/Manual Tune, Interference rejection, Expansion,				
	Trigger delay adjustment, Heading line adjustment, Full image transfer mode / Quadrant image transfer mode / Real time image transfer, Transfer radar image size (240 x 240 / 480 x 480				
Transfer data Real time transfer	2	If ansier radar 56 / 512 / 690 dots / swoop /1	024 / 2048 / 4006 swoops	per antenna rotation) Level: 3 b	ite
size Full image transfer	256 / 512 / 680 dots / sweep (1024 / 2048 / 4096 sweeps per antenna rotation) Level: 3 bits 240 x 240 / 480 x 480 dots Level: 2 bits				
Quadrant image transfer	240 \(\times \) 240 \(\times \) 400 \(\times \				
Other Serial number output	Yes				
function Preheat times output (by 5 sec step)	115 sec to 5 sec 175 sec to 5 sec				
Program version up	by Ethernet				
Error output	SHF, System, AZI, RAM, ROM, DHCP server				
Operating temperature	-15°C to +55°C				
Water Protection			None (IPX0		
Interface					
Serial / Ethernet	Ethernet				
Mode of communication	10BASE-T/ 100BASE-TX				
TCP / IP layer Application layer	Communication command and radar image transfer				
Internet layer	ARP (Address Resolution Protocol), ICMP (Internet Control Message Protocol) UDP (User Datagram Protocol)				
Transport layer Network Interface	UDP (User Datagram Protocol) Shielded UTP (Unshielded Twisted Pair Cable) with cross style, 2 m (standard				
Transmission speed	Shielded UTP (Unshielded I wisted Pair Cable) with cross style, 2 m (standard 10 Mbps 100 Mbps 100 Mbps				
Output data	Radar image video by proprietary protocol				
Input data	Radar innage video by proprietary protocol Radar control by proprietary protocol				
Antenna cable length	10 m (standard15 m (standard				
Power		70 111 (0.0.1.0.0.10 111 (0			
Power supply		10.2 to	41.6 VDC		21.6 to 41.6 VDC
Power consumption	55 W or less	70 W or less	80 W or less	90 W or less	130 W or less
Preheat time			sec		180 sec



DIMENSIONS AND WEIGHT



 \cdot 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: