



15" Color LCD Radar JMA-5200 Series



Complies with SOLAS carriage requirements for vessels under 1,000 GT.

JRC JMA-5200 series Marine Radar is developed to enhance the radar performance, user-friendly operation and visibility, which meet radar & ATA /ARPA performance standards specified in IMO. The radar utilizing software-based signal processing and high performance dedicated Radar processor-based technologies, realizes unique Constaview™, meaning Real-Time Head-Up mode that rotates a radar echo image simultaneous to ship turning, and target acquisition and tracking up to 30 targets using ATA function.

- **Constaview™ digital signal processing**
- **TEF™ Target Enhancement Function**
- **High sensitivity X-band scanners**
- **ATA function (30 targets:Option)**
- **AIS ID overlay function (50 targets:Option)**
- **Chart overlay function (JRC/ENC/C-MAP NT+:Option)**
- **High visibility 15" TFT LCD display (XGA:1024×768)**



Japan Radio Co., Ltd.

Specifications

Model		JMA-5210-6	JMA-5220-7	JMA-5220-9
Display		Color Raster Scan PPI		
Range Scale		0.125/0.25/0.5/0.75/1.5/3/6/12/24/48/96nm		
Scanner unit	Model	NKE-2102-6	NKE-2252-7	NKE-2252-9
	Antenna length	6ft	7ft	9ft
	Transmitting power	10kW	25kW	
	Transmitting frequency	9410±30MHz		
	Beam width 3db	Hor.1.2°, Ver.20°	Hor.1.0°, Ver.20°	Hor.0.8°, Ver.20°
	Rotation speed	approx.27rpm	approx.24rpm	
	Pulse width /Reception freq.	0.08μS/2250Hz 0.25μS/1700Hz 0.5μS/1200Hz 0.8μS/750Hz 1.0μS/650Hz	0.07μS/2200Hz 0.2μS/2200Hz 0.4μS/1400Hz 0.8μS/750Hz 1.0μS/650Hz 1.2μS/520Hz	
	Duplexer	Circular+Diode Limiter		
	Frequency conversion	Microwave IC (Mic)		
	Tuning	Automatic/Manual		
	Environment	Temperature:-25 ~+55°C, Relative Humidity:93%@40°C, Waterproofing:IPx6		
Processor unit	Model	NDC-1340		
	Bearing indication	North-Up/Course-Up/Head-Up		
	Presentation mode	RM display with True trail, RM display with Relative trail, TM display		
	EBL	2 (EBL1/EBL2)(Center/Independent), 000.0deg-359.9deg, Numerical indication in 4 digits		
	VRM	2 (VRM1/VRM2), 0.000-96.0nm, Numerical indication in 4 digits		
	Trail indication	Off/0.25/0.5/1/3/6/10/15/30/60-minutes and continuous		
	Available chart	JRC/ERC/C-MAP		
Environment	Temperature:-15~+55°C, Relative Humidity:93%@40°C, Waterproofing:IPx1			
Monitor	Model	NWZ-164		
	LCD	15" TFT LCD 1024X768pixels (XGA)		
	Effective diameter	more than 180mm		
	Connection cable	5m (Processor-Monitor)		
	Environment	Temperature:-15~+55°C, Relative Humidity:93%@40°C, Waterproofing:IPx5		
Keyboard	Model	NCE-7699		
	Connection cable	5m (Processor-Monitor)		
	Environment	Temperature:-15~+55°C, Relative Humidity:93%@40°C, Waterproofing:IPx2		
Installation cable		CFQ-6912-10 (10m) -15 (15m) -20 (20m) -30 (30m) -40 (40m) -50 (50m) -65 (65m)		
Power supply (voltage)		DC24V (DC21.6~31.2V)		
Power consumption		Ave.150W, Max.300W	Ave.200W, Max.400W	
Optional items	NSK unit*	NCT-4106		
	ATA unit (30 targets)*	NCA-877 (built-in NDC-1340)		
	Performance monitor*	NJU-64		
	AIS I/F unit	NQA-4250 (built-in NDC-1340)		
	Plotting function board	NDB-34 (built-in NDC-1340)		
	Sub keyboard	NCE-7699		
AC Rectifier		NBA-3308 (AC100/110/115/200/220/230V)		

*NSK unit, ATA unit, and Performance monitor must be fitted on ships compliant to IMO.

Specifications subject to change without notice.

For further information, contact:



Since 1915

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