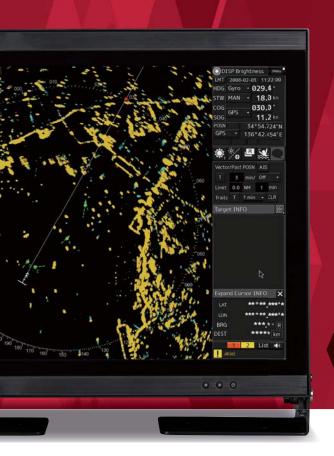


# Dramatically improved short-range detection performance.

- Clearly displays the shape of small targets
- Even among inclement weather conditions, eliminates sea clutter and depicts small targets
- Makes the movements of other ships clear and easily detected
- Operating environment is easily customized to suit the user's needs.





# Revolutionary echo expression opens the way to the next generation of fishing radar.

The JMR-5400 series is equipped with a top-of-the-line processor, remarkably improving target detection and drawing performance alike. Additionally, a variety of radars are available, including the newest radar antennas scanner unit, bird detection antennas, and solid state radar antennas.

#### High-resolution display with 1,000cd/m<sup>2</sup> brightness. \*1

Utilizes 19-inch and 26-inch color LCDs to display radar images with effective diameters of 250 mm (19-inch)/320 mm (26-inch) and above.

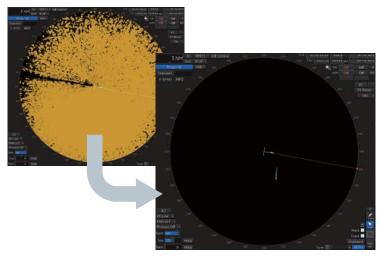
\*1: 19-inch model only.

# Clearly displays even small marine objects.

Stable long-range sensitivity and unbeatable short-range search capabilities provide indispensable support during navigation.

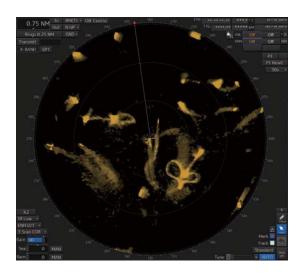
# Near/short-range image differentiation and clutter removal.

Small, difficult-to-detect objects are clearly displayed. Automatic clutter removal and optimized technology means radically improved short-range detection and visualization. The shape and relative positions of nets and other ships are displayed clearly and visibly.



# Suppresses interference from sea clutter and rain/snow clutter.

Eliminates clutter, improving detection of target objects.



# Improved visualization of nearby objects.

Clearly displays the shape of small marine objects and other ships.



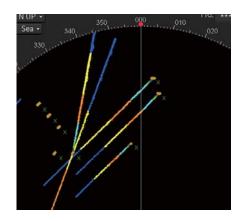
# Radar trail display shows you the status of fishing grounds.

Independent radar course display functionality has resulted in dramatically improved visualization of ship courses and trails. Changes in fishing grounds are easier to check than ever before, greatly aiding decision-making.

# Object courses highlighted with rainbow trails.

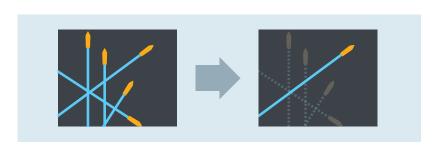
Display radar trails from the past 24 hours in custom colors, enabling easy visualization of ship courses over time. Checking current headings for other ships/fishing grounds and managing the situation near your own ship is now possible.

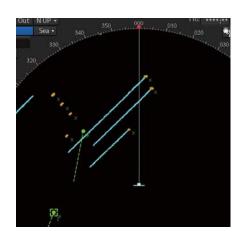


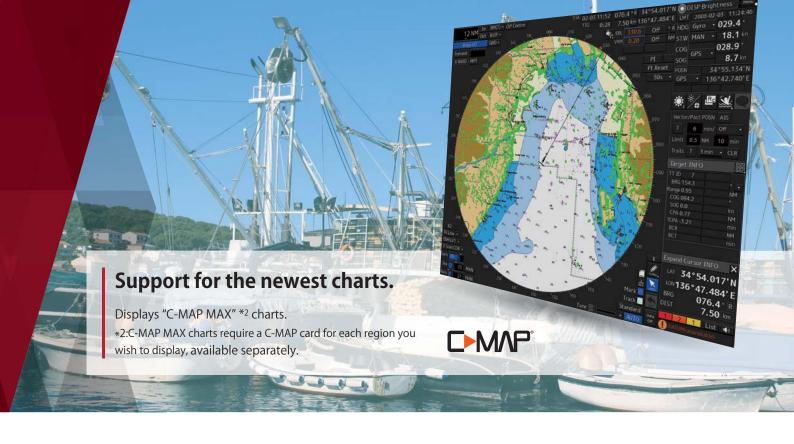


# Display only the courses you want.

Radar trails can be hidden, allowing you to focus on important targets and object courses, and preventing accidental overwrites. Requires linking to TT and AIS functionality.





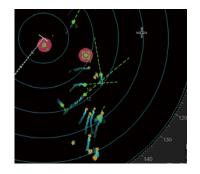


# Offers superior ease-of-use and navigation for fishing.

# TT/AIS display functionality.\*3

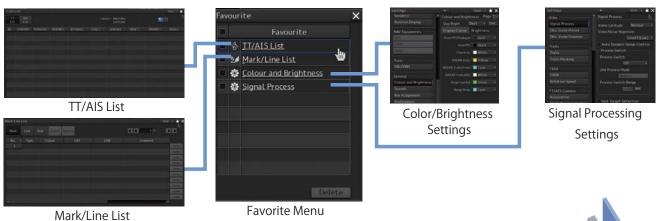
Equipped with TT functionality by default, allowing users to mark other ships and points of interest with TT symbols and check the course of nearby objects at a glance. The same highlighting functionality is also available for AIS symbols.

\*3: TT functionality requires entering ship heading information. AIS display functionality requires entering ship position, ship heading, and AIS information.



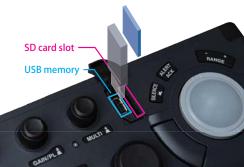
# **Original Menu**

Create original menus that include only the items you need, and a favorites list to bring up frequently used items in one location.



### **New Standard Keyboard**

Connectors include USB memory and SD card slots, making saving and loading data and reading chart data easier than ever before.











#### 10kW X-band scanner



#### 25kW X-band scanner



25kW X-band scanner



#### 250W S-band solid-state scanner



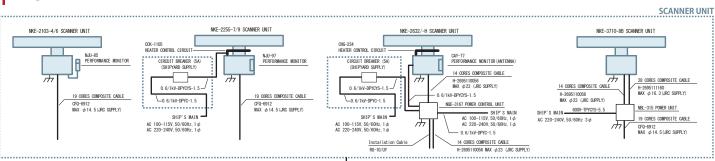
250W S-band solid-state scanner [High speed]

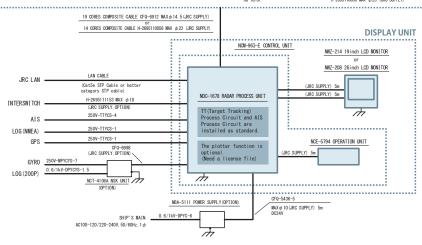


#### 70kW S-band scanner



## Diagram





# **Specifications**

Model	JMR-5410-4X	JMR-5410-6X	JMR-5425-7X	JMR-54	425-9X	JMR-5460-8S	JMR-5482-S	JMR-5482-SH	
Display				colour rast	er scan PPI				
Range scale	0.125/0.25/0.5/0.75/1.5/3/6/12/24/48/96 NM								
Scanners									
Model	NKE-2103-4	NKE-2103-6	NKE-2255-7	NKE-2	255-9	NKE-3710-8B	NKE-26	32/-H <sup>®1</sup>	
Transmitting power	1	10kW		25kW		70kW	250W		
Transmitting frequency	9410MF	9410MHz±30MHz		9410MHz±30MHz		3050MHz±25MHz	P0N:3035MHz, Q0N:3065MHz±4MHz or 3060MHz±4M		
Antenna length	4ft	6ft	7ft	9	ft	8ft	8ft	8ft	
Rotation speed	27rpm	27rpm	24rpm	24r	pm	14/17 rpm (50/60Hz)	24rpm	48rpm	
Horizontal beam width	1.9°	1.2°	1.0°	0.8	3°	2.7°	2.7°	2.7°	
Vertical beam width	20°	20°	20°	20	)°	22°	25°	25°	
Weight	34kg	36kg	52kg	55	kg	98kg	85kg	90kg	
Pulse width	0.25 μ 0.5 μ 0.8 μ	0.08 μ s/2250Hz 0.25 μ s/1700Hz 0.5 μ s/1200Hz 0.8 μ s/750Hz 1.0 μ s/650Hz		0.07 µs/2250Hz, 0.2 µs/2250Hz 0.3 µs/1900Hz, 0.4 µs/1400Hz 0.8 µs/750Hz, 1.0 µs/650Hz 1.2 µs/510Hz		0.08 μ s/1700Hz 0.25 μ s/1700Hz 0.75 μ s/860Hz 1.0 μ s/650Hz	0.07 µs/(4.6 µs, 8MHz)/1860Hz or 2280Hz 0.14 µs/(9.1 µs, 8MHz)/1860Hz or 2280Hz 0.29 µs/(9.1 µs, 8MHz)/1860Hz or 2280Hz 0.57 µs/(9.1 µs, 8MHz)/1280Hz 1.14 µs/(18.3 µs, 8MHz)/640Hz		
Duplexer	circular + diode limiter								
Tuning	automatic / manual								
Ambient condition	temperature : −25°C ~+55°C relative humidity					temperature : $-25^{\circ}\text{C} \sim +50^{\circ}\text{C}$ relative humidity : $95\%@35^{\circ}\text{C}$			
Processor					4670				
Model	NDC-1678								
Bearing indication	RM display: north-up / course-up / head-up TM display: north-up / course-up								
Presentation mode	RM display with true trail, RM display with relative trail, TM display								
EBL	2 (EBL1/EBL2) (center/independent) 000.0°- 359.9°, digital display								
VRM	2 (VRM1/VRM2) 0.000~96.0NM, digital display								
Trail indication	off/0.25/0.5/1/3/6/10/15/30/60-min and continuous								
Chart				C-MAI	P MAX				
Display									
Model	NWZ-214 (19-inch) /NWZ-208 (26-inch)								
LCD	1280×1024 dot(SXGA)(19-inch)/1920×1200 dot(WUXGA)(26-inch)								
PPI Effective diameter	≥250mm (19-inch) /≥320mm (26-inch)								
Connection cable	5m (processor-monitor)								
Number of TT tracking targets	30 targets max. (expanding to a maximum 100 targets with an optional function added)								
TT Tracking Range	Auto/Manual 32 NM max.								
Number of AIS targets	180 targets max. (expanding to a maximum 1,000 targets with an optional function added)								
TT/AIS vector	True/Relative, variable from 1 to 120 minutes								
Keyboard									
Model	NCE-5794								
Connection cable	5m (processor-keybord)								
Ambient conditions	Operating temperature: -15 to 55°C; Relative humidity: 93% @40°C (processor,display,keyboard)								
installation cable		CFQ-6912-20 length 20m (max length 65m)				CFQ-6912 2695110056 2695110056 2695111160		10056	
Power supply(voltage)		DC21.6	i~36.0V			DC21.6~30.0V, AC220V	DC21.6~36.0V,	AC100V~240V	
Power consumption NWZ-214	Max	. 350W	Max. 400W	Max.	500W	Max. AC:600VA/DC:200W <sup>®2</sup>	Max. AC:1300VA/DC:200W	Max. AC:1700VA/DC:200	
(max wind) NWZ-208		400W	Max. 450W	Max.	550W		Max. AC:1300VA/DC:250W		
Option									
Trackball Operation Unit	NCE-5605				Distributor for Remote Monitor Display Connection		Video Distribution Amplifier: VAC-2001HB-A Monitor Extension Kit: CQF-5957		
Trackball Operation Unit Installatio					• •		The state of the s		
Keyboard Operation Unit	NCE-5625			Monitor Stand			CWB-1660 (26-inch)/CWB-1659 (19-inch)		
Junction Box	NQE-1143			Monitor Cover			CWB-1621 (26-inch)/CWB-1619 (19-inch)		
Sensor LAN Switch Unit		NQA-2443			Monitor Hood		CWB-1620 (26-inch) / CWB-1618 (19-inch)		
Rectifier	NBA-5111			Printer			Printer: 7HPNA4003, L Type Stopper (Printer Fixture): QL-58		
Interswitch Unit	NQE-3141-4A (4ch)/NQE-3141-8A (8ch)			Operation Unit RS-422			10m:7ZCRD1746, 20m:7ZCRD1747, 30m:7ZCRD1748,		
Power Control Unit	NQE-3167			Extension Cable			40m:7ZCRD1749, 50m:7ZCRD1750 (maximum length)		
TT/AIS Option	Software licer	Software licence			NSK Unit		NCT-4106A		

- \*\*1: NKE-2632 scanner antennas: Transmission pulse width (1st) / (Transmission pulse with and frequency shift width (2nd)) / Repetition frequency \*\*2: JMR-5460-85: with zero wind velocity

Plotter mode

- C-MAP is a trademark of C-MAP Italy Srl.
  C-MAP MAX is product name of C-MAP Italy Srl.
- Specifications may be subject to change without notice.

Software licence

For further information, contact:

CMH-2370 Serial LAN Interface Circuit Spare Parts

7HPNA4003 Printer Spare Parts



Main Office: NAKANO CENTRAL PARK EAST

7ZXNA4020

7ZXNA4011

10-1, Nakano 4-chome, Nakano-ku, Tokyo

164-8570, Japan

Telephone: +81-3-6832-1816 Facsimile: +81-3-6832-1845

Overseas Branches: Athens, Manila Liaison Offices: Taipei, Hanoi, New York

Overseas Subsidiaries : Shanghai, Rio de Janeiro, Jakarta

Rotterdam, Singapore, Houston

ISO9001, ISO14001 Certified 34EM