





JMA-3400 series Intuitive operation and excellent visibility

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Features

The newest addition to the JRC radar portfolio is the JMA-3400 series. This lightweight radar has user-friendly operation system and is specially designed for fishing boats, non-international trading vessels and workboats. The system can be completed by choosing from a variety of 2 ft, 3.9 ft, 4 ft and 6 ft scanners.

- 12.1-inch fully dimmable display
- High-visibility by glass-bonded display
- Chart overlay (NAVIONICS+)
- Real Time Head-up Function (Constaview)
- Variety of compact X-band scanner units

- High speed version available
- Brushless antenna motors for extended lifetime
- Light-weight design
- Latest technologies included
- Multi-Language



Display

The 12.1-inch dimmable LCD provides excellent visibility and durability. It reduces reflection of sunlight and shows clear images of even the smallest targets. The ergonomic keyboard offers user customizable keys. Programming the USER keys give you instant access to your favourite functions.

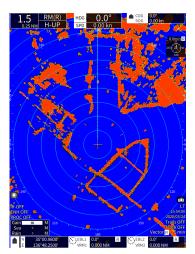


The newly developed thin body is reduced till only 97.1 mm depth, so that it can be installed on small vessels where effective use of the limited space needs to be taken in account.



Radar overlay

By displaying the radar image and the NAVIONICS+¹ chart in an overlapping manner, you can grasp the relationship between the radar image and the coastlines simultaneously.







Night mode (with NAVIONICS+)

Daytime mode

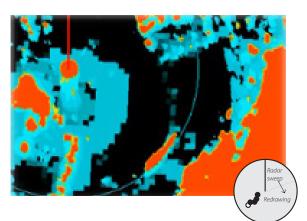
¹ For information regarding the NAVIONICS+ electronic chart, please contact JRC/Alphatron Marine.

Constaview

Naturally our patented real time Constaview functionality is incorporated into the new radar system, processing the radar image before being displayed, generating a smooth rotation when sailing in Head-Up mode. To use real-time Head-Up, own ship position information (GPS connection) and input of heading information (compass connection) is required. When changing to North-Up, the new radar image is displayed without any delay caused by the scanner rotation. By displaying the other ships moving with a tail and displaying the fixed objects such as land and buoys so that they do not pull the tail, the movements and fixed objects of other ships can be accurately read.

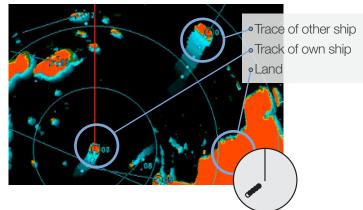
Real time Head-Up mode

Conventional



Relative Trails

Traditional technology relies on several sweeps of the scanner to redraw the image. Trails are presented as relative. Constaview



True Trails Constaview refreshes the image every 16 ms. Despite heading changes trails are always true.

Scanners

A wide range of X-band scanners, varying from small and light radome type to open array type, are available depending on installation space and required performance, all with exceptionally reliable target detection capabilities. The latest leading technologies with a set of advanced features are integrated, allowing the radar to run images faster and more efficient than ever before. Also, the brushless antenna motors in the scanner guarantee for extended lifetime.

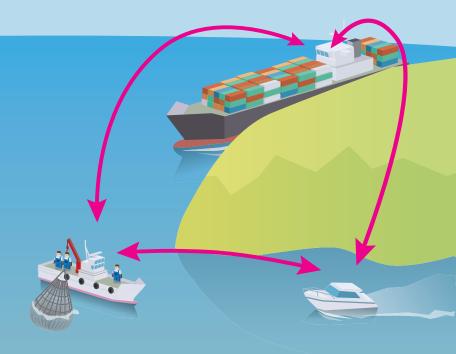




AIS

By connecting with AIS, it is possible to display ships on the island's shadow where radar waves do not reach, enabling safer navigation.

In order to use the AIS display function, it is necessary to input own ship position information (GPS connection), heading information (compass connection) and AIS information.



The JMA-3400 series is equipped with target tracking (TT) function and AIS display function. To use the target tracking function, input of heading information (compass connection) is required.



AIS JHS-183



TT List	2 CPA[NM]	TCPA[min]	BRG[°]	RNG[NM]	CRS[°]	SPD[kn]
No.01			2.6	1.676	360	16.91
R-No.02	<u> </u>		234.9	1.496	161.3	9.50 =
ENH OFF 🤳		1	T List Close	- Martin		14:36:
RROC OFF		7				2020/03/
Sea o	M 210				100	Track Of
Rain 🔷 🖉	M		180		Vec	tor R 🍋 🕅 🕁
	35°00.9800 136°48.2500'	EBL: VRM			EBL2 0.0°	

Target tracking can be up to 30 ships.

240			AIS List	h profile	/ 120
100 JRC000	03	377470002 JRC3	AIS NO.100		CPA:NM
101 JRC000	D1	377470000	1.	JRC3	TCPA: min
The second	12	JRC1 ≡ 377470001	BRG: 221.4°		RNG: 0.173 NM 14-36-26
102 01		JRC2	HDG:	₩60.0° MMSI:	377470002(VC)
103 JRC000	04 \ 👻	377470008 JRC4	COG:	0.0° Call Sig	n: JRC0003
104 JRC000	06	377470010	SOG:	0.00 kn Type: ⁰	
-35d	0 M	JRC6	ROT:	B/L:	Track Cord
105 JRC000	95 \ M	377470009 JRC5	18Draft:		^V under way using e
📥 🛛 N	35°00.98	00 / EI	BL1 0.0°	R 🌌 🔹 EBL2	0.0° R
E	136°48.25	00' VI	0.000 NM	VRM2	0.000 NM



Up to 100 AIS displays can be displayed.

Tech Specs

Display unit

Display unit

NCD-2364 Weight 5 kg (11.02 lbs)



Scanners

2 ft | 16-48 rpm

NKE-2043 Weight 10 kg (22.05 lbs)



3.9 ft | 16-27 rpm | 27-48 rpm HS NKE-2063A/HS Weight 21 kg (46.30 lbs)

11112-2003AVIIS VVeigili 21 kg (40.30 lbs)



4 ft | 16-27 rpm | 27-48 rpm HS

NKE-2103-4/4HS Weight 34 kg (74.96 lbs) Swing circle 1320 mm (51.97 in)

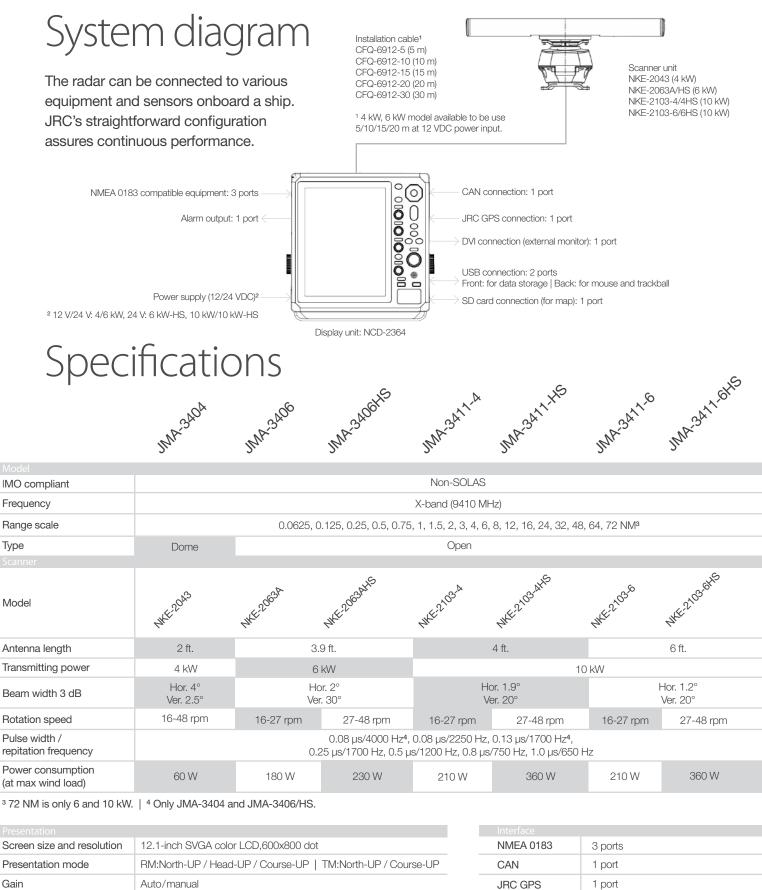


6 ft | 16-27 rpm | 27-48 rpm HS

NKE-2103-6/6HS Weight 36 kg (79.37 lbs)

Swing circle 1910 mm (75.20 in)





Gain	Auto/manual	
Anti SEA/RAIN clutters	Auto/manual	
Trail indication	OFF,15 s,30 s,1 min,2 min,3 min,4 min,5 min,6 min,10 min,15 min	
Off center	2/3 radius of PPI	
Target data and AIS		
Tracking target capacity	30 targets	
Guard zone	2 zone (Auto TT: 1 zone)	
Target data	True bearing, range, true course, true speed, CPA, TCPA	
Alarms	CPA/TCPA,new target,lost,system error	
AIS target capacity	100 targets	

NMEA 0183	3 ports
CAN	1 port
JRC GPS	1 port
DVI connection	1 port
USB connection	2 ports
NMEA 0183 input sentence	ALR, DBT, DPT, GGA, GLL, GNS, HDG, HDM, HDT, MTW, MWV, RMA, RMC, ROT, RSA, THS, VBW, VDO, VDM, VHW, VTG, VWT, VWR
NMEA 0183 output sentence	GGA, GLL, GNS, HDT, OSD, RSD, RMC, TLL, TTD, TTM, THS, VTG



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