





- Lightweight design featuring a 12.1-inch fully dimmable display
- Chart underlay (NAVIONICS+)
- Real Time Head-up Function (Constaview)
- Variety of compact X-band scanner units



Category >500 GT

Workboats



Yachting

jrc-world.com

Features

The newest addition to the JRC radar portfolio is the JMA-3400 series. This lightweight radar has a 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 underlay (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.

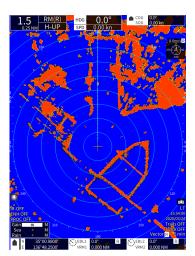


The newly developed thin body is reduced till only 97.1 mm depth, so that it can be installed on small vessels where effective use of the limited space needs to be taken into account.



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

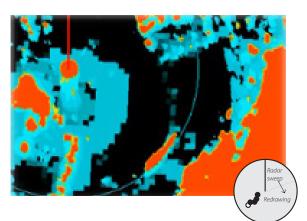
¹ Navionics chart chartridge not included. Price pending on area and content, please contact your delaer fro further information.

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 ships 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.

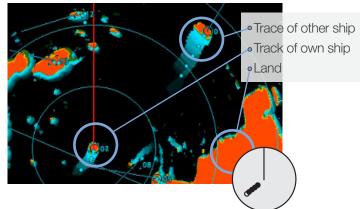
Real-time Head-Up mode

Conventional



Relative Trails

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

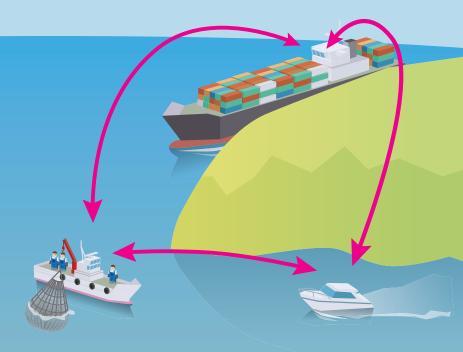


True Trails Constaview refreshes the image every 16 ms. Despite heading changes trails are always true.

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 ships 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.



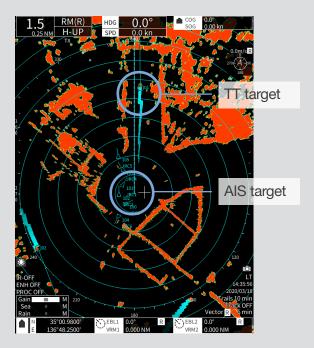
AIS JHS-183



TT List	02 CPA[NM]	TCPA[min]	BRG[°]	RNG[NM]	CRS[°]	SPD[kn]
No.01			2.6	1.676	360	16.91
R-No.02	\`````````````````````````````````		234.9	1.496	161.3	9.50
ENH OFF	*	1	T List Close			14:36:
ROC OFF		~			100	2020/03/1
Sea -	0 M				- Call	Track Of
Rain	• \ M		180		Vec	tor R 6 m
	35°00.9800 136°48.2500'	VRM			EBL2 0.0°	

Target tracking can be up to 30 ships.

240 %			AIS List				120
100 ^{JRC00}	03	377470002 JRC3	AIS NO.	100		CPA:I	
101 JRC00	01	377470000		1 O	JRC3	TCPA: n	nin / I T
The decou	03	JRC1 = 377470001	BRG	: 221.4		RNG: 0.173 NM	14-26-26
102 JRC00		JRC2	HDG	5: 📏 60.0°	MMSI:	3774	70002(VC)
103 JRC00	04 \ 👻	377470008 JRC4		: 0.0°	Call Sign:		JRC0003
104 JRC00	06	377470010	SOG	: 0.00 kn	Type: ⁰		
	0 M	JRC6	ROT		B/L:		ack Coro
105 JRC00	05 M	377470009 JRC5	18Draf	t: 🦾		V Cunder way	using e
N	35°00.980	0' E	BL1 0.0°	👝 🛛 R 🛹 📉	EBL2	0.0°	R
E	136°48.250	0' V	RM1 0.000 N	IM S	VRM2	0.000 NM	ale and



Up to 100 AIS displays can be displayed.

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.



In the box

Scanner unit

lifetime.

- Scanner radiator
- · Display unit

To be selected NAX-16B-6 NCD-2364

- Installation Cable
- English Manuals
- Standard spare parts

CFQ-6912-20 7ZPRD1007

- Optional
- Extension cable 5m
- Data cable
- 2m Data cable
- 5m scanner cable
- 10m scanner cable
- 15m scanner cable
- CFQ-5374 CFQ-7765 CFQ-6912-5 CFQ-6912-10 CFQ-6912-15

CFQ-9002

- 20m scanner cable • 30m scanner cable
- Protector rubber cap
- Simulator cable
- AC-DC Rectifier
- Power Supply Unit
- CFQ-6912-20 CFQ-6912-30 MTT317838 CFQ-8879 NBD-865 NBA-5111

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)

INCE-2003AVITIS VVEIGITE 2 1 Kg (40.30 IDS)



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)



System diagonaThe rader can be connected to variation action and sensors onboard a single.The rader can be connected to variation action and sensors onboard a single.The rader can be connected to variation action and sensors onboard a single.Provide action action action action action action action actionNumber of the rader on the connected to variation action action action actionNumber of the rader on the connected to variation action action action actionNumber of the rader on the connected to variation action action action action actionNumber of the rader on the rader on the rader on the rader of the rader on the rader of the rader on the rader of t							43 (4 kW) 63A/HS (6 kW) 03-4/4HS (10 kW) 03-6/6HS (10 kW)
Speci	ificatio		MA-3496HS	MA-3411-A	MA-3411-HS	MA-3411-6	IMA SATI OHS
IMO compliant				Non-SOLAS	6		
Frequency				X-band (9410 N	MHz)		
Range scale		0.0625, 0.	.125, 0.25, 0.5, 0.75	, 1, 1.5, 2, 3, 4,	6, 8, 12, 16, 24, 32,	48, 64, 72 NM ³	
Туре	Dome		-	Open			
Scanner							
Model	WE 2012	WKE263A	144520631415	WKE 2103-A	WE21034HS	WK21036	WE2105.6HS
Antenna length	2 ft.	3.9	9 ft.		4 ft.		6 ft.
Transmitting power	4 kW	6 kW		10 KW			
Beam width 3 dB	Hor. 4° Ver. 2.5°	Hor. 2° Ver. 30°			Hor. 1.9° Ver. 20°		Hor. 1.2° Ver. 20°
Rotation speed	16-48 rpm	16-27 rpm	27-48 rpm	16-27 rpm	27-48 rpm	16-27 rpm	27-48 rpm
Pulse width / repitation frequency		0.2	0.08 μs/4000 Hz4, 25 μs/1700 Hz, 0.5 μ		lz, 0.13 μs/1700 Hz ⁴ μs/750 Hz, 1.0 μs/65		
Power consumption (at max wind load)	60 W	180 W	230 W	210 W	360 W	210 W	360 W
³ 72 NM is only 6 and 10 kW. ⁴ Only JMA-3404 and JMA-3406/HS.							
Presentation	10 1 inch CV/CA colo	* L CD 600, 200 dat			Interface Chartography	Navionics+ on SD	cartridges
Screen size and resolution	12.1-inch SVGA color LCD,600x800 dot Chartography Navionics+ on SD cartridges				cartriuges		

	Are .	White	WE	Lafter		
Antenna length	2 ft. 3.9 ft.					
Transmitting power	4 kW	6	kW			
Beam width 3 dB	Hor. 4° Ver. 2.5°		or. 2° : 30°			
Rotation speed	16-48 rpm	16-27 rpm	27-48 rpm	16-27		
Pulse width / repitation frequency		0.2	0.08 µs/4000 Hz⁴, 25 µs/1700 Hz, 0.5 µs			
Power consumption (at max wind load)	60 W	180 W	230 W	210		
³ 72 NM is only 6 and 10 kW.	│ ⁴ Only JMA-3404 a	nd JMA-3406/HS.				
Presentation						
Screen size and resolution	12.1-inch SVGA color LCD,600x800 dot					
Presentation mode	RM:North-UP / Head-UP / Course-UP TM:North-UP / Course-UP					
Gain	Auto/manual					
Anti SEA/RAIN clutters	Auto/manual					
Trail indication	OFF,15 s,30 s,1 min,2	FF,15 s,30 s,1 min,2 min,3 min,4 min,5 min,6 min,10 min,15 min,All				
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					

Interface	
Chartography	Navionics+ on SD cartridges
NMEA 0183	3 ports
NMEA 2000	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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Centers of Excellence

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