# JRC Color Echo Sounder JFC-130/130HP

14

JRC

60.0

Equivalent to JFV-130 in display clarity, function and performance

- Bottom Hardness (BH) data, direct output to PC
- Four component configuration: Transducer, Processor, Keyboard and Display
- Variable vertical and horizontal screen, Flush mount or Bracket mounting
- 10.4" Color LCD (640x480 VGA) display meets IPX5 waterproofing, vibration specifications IEC60945
- Display unit monitor swivels and tilts for easy viewing with variable illumination setting for personal preference
- Second display capability with one processor using optional RGB Video output (CAD-239)
- Lower power consumption comparing with JFV-130/131 CRT type



Sensitivity, clutter rejection and STC (debubblizing) finely adjustable for sea areas, seasons and fishing methods

Flexible selection of three types fishing ground



3

4

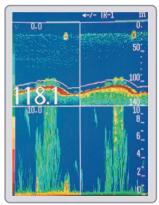
6

Detection of surface fish by high-speed sounding

Bottom fish clearly discriminated by sea bottom enlargement

and fish species

Fish species clearly recognizable on three split displays

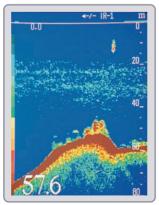


Sea bottom enlargement

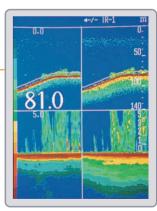


Water temperature and depth graphs in overlay with fish echo display by one key-touch operation

Bottom topological display to readily discriminate bottom rocks and soil



High-freq. display



Dual-freq. display with bottom discrimination mode

### Function

#### Simple Operation

- Keys and controls on the operation panel are minimized. Sensitivity, clutter rejection and STC are finely adjustable depending upon sea areas, seasons and fishing methods.
- Three types of fishing ground or fish species can be present and stored. Once they are present, any type of fishing ground or fish species is selectable and can be reset to another type by pushing the CUSTOM button.

#### Clear Detection of Surface and Bottom fish

The adoption of a narrow zero-line fuction and a new transducer makes the transducer line finer. The high-speed emission of 600(JFC-130)/300(JFC-130HP) pulses or more per minute enables small fish in the surface water to be clearly detected. The bottom enlargement display in 16 color gradations discriminates bottom fish from the sea bottom distinctly.

#### Various Functions

#### Simultaneous display of two images

When an image is switched to another, two images are immediately displayed for ease of comparsion.

#### A-Scope Display

A fish echo is displayed in a color tone with a width depending upon its signal intensity. The display mode is turned on or off by a one key-touch operation.

#### Distinction (mix) mode

The three-split display mode in which a distinction display is added to the dual-frequency split display is very useful in discriminating fish species.

#### •Water temperature and depth graphs

Water temperature and depth graphs can be displayed in overlay with a fish echo image. Since these temperature and depth variations are stored, the graphs may be easily displayed by one key-touch operation. Normally, the fish echo image is displayed on a full screen.

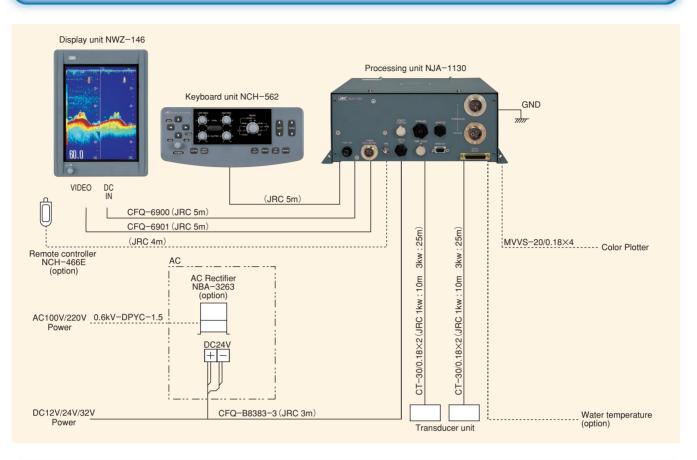
#### Bottom discrimination mode

In the bottom lock enlargement mode, a long bottom tail shows a hard bottom (such as base rock) while a short bottom tail shows a soft bottom (mud and sand). Thus, the bottom topology can be discriminated depending upon the tail width.

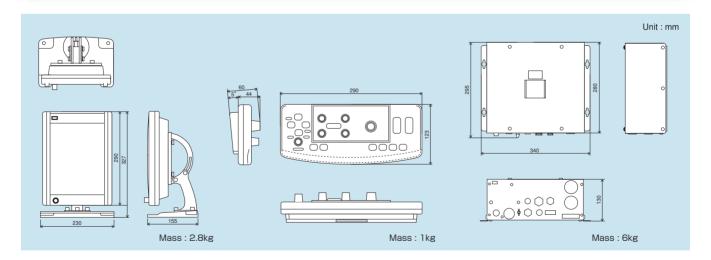
## **Major Specification**

Display	:10.4-inch high-luminance TFT color LCD	Frequencies	:One or two frequencies of 200/75/50/28 kHz
Power supply	:12/24/32 V DC (10.8-45 V DC)	Output power	:1 kW or 3 kW(HP)
Power consumption	:60 W or less (at 24 V)	Depth range	:2,000m + shift 1,500m
Dimensions	:295(W) $\times$ 324(H) $\times$ 372(D)mm	Depth scale	:meter,feet,fathoms and optional
Mass	:Approx. 16kg	Scan speed	:9 steps and stop
Operating temperature	:-15°C to +55°C	Background color	:4 colors
Brightness	:Adjustable by control(in common use with power switch)	Echo colors	:16 colors/8 colors
Display modes	:Standard	Interference rejection	:2 steps
	:Standard/Standard	Data indications	:Water depth,temperature and ship speed
	:Standard/A-scope	Graphs	:Water temperature and depth
	:Standard/enlargement	External input/output	:NMEA0183 input/output,JRC format
	:Standard/Bottom enlargement		:Water temperature and speed sensors
	:Standard/Bottom discrimination enlargement		
	:Mixed mode		

# System diagram



# **Outline drawing**



#### For further information, contact:

Japan Radio Co., Ltd. URL http://www.jrc.co.jp/ JRC Since 1915 Main Office: Nittochi Nishi-Shinjuku bldg. 10-1, Nishi-Shinjuku 6-chome Shinjuku-ku, Tokyo 160-0023, Japan Telephone: +81-3-3348-4099 Facsimile: +81-3-3348-4139 **Overseas Branches : Seattle, Amsterdam** Liaison Offices : Taipei, Manila, Jakarta, New York, **Piraeus** 22EM