TRIHAWK V620

Sea Surveillance Radar System

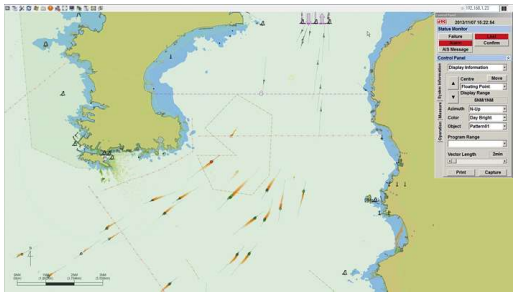
JRC

TRIHAWK V Series - Basic Model

■Automatic Tracking of up to 300 vessels

The Image Server/Tracker incorporated in the Radar Data Processor provides the high-resolution plotting processing function and the automatic vessel tracking processing function designed for coastal surveillance radar. It allows the sensor site and monitor site to be installed separately.

User can manage the risk of the sea area by setting the radar monitoring area to vessels on the electronic chart screen.



■Original Signal Processing for Sharp and Clear Radar Image

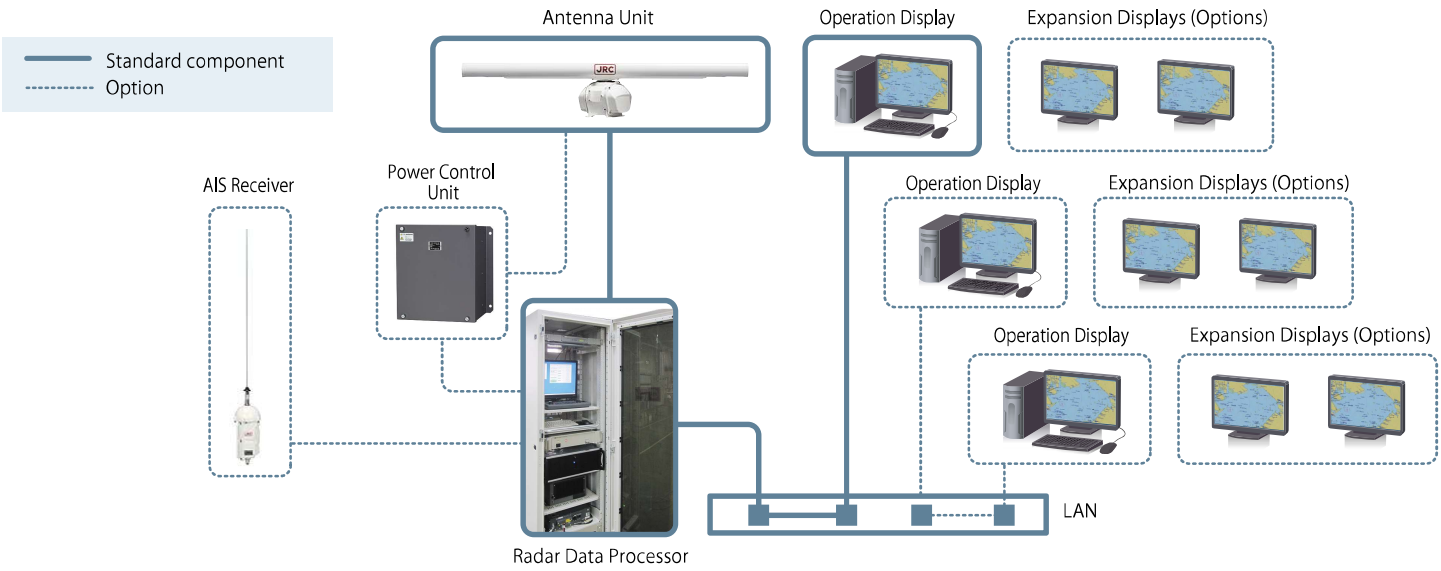
The original signal processing technology JRC developed in their long history of marine radar business includes pulse width setting, gain control, sea clutter suppression, rain/snow clutter suppression, interference rejection, etc., to provide User with sharp and clear radar images.

■Wide-area Overview by adding Operation Displays (Option)

The system can be extended by adding up to 3 optional Operation Displays which allow two or more operators to monitor a congestion sea area. These additional Operation Displays can present an overview of a wide sea area or different sea areas on their individual Displays respectively.

Overview of a wide sea area on 3 display screens

V620 Series Configuration



V620 Series Specifications

Model Type	JPL-620-2 ER2-9	JPL-620-2 ER2-9J
Antenna Unit	NKE-600-2 D1T	NKE-600-2 D1TJ
Radiator length	9 feet	9 feet
Transmitted power	25kW	25kW
Rotational speed	24rpm	24rpm
Plane of polarization	Horizontal	Horizontal
Transmitting frequency	9410MHz band	9740MHz band
Dimensions/Weight	2825 x 536mm/60kg	2825 x 536mm/60kg
Installation cable	20m standard between antenna and processing equipment (30m, 50m and 65m optionally available)	
Operating environment	Temperature: -25 to +55°C; Humidity: 93% relative (at 40°C)	
Radar Data Processor		
Input signals	Radar video, antenna revolution signal, radar trigger	
Video processing functions	Gain control, sea clutter suppression, scan correlation, sweep averaging, rain/snow clutter suppression, interference rejection	
Alarm processing	Alarm line, Alarm area, dredging anchor, speed limit (min, max), collision alarm	
Automatic tracking	Up to 300 targets	
AIS integrated process	Up to 1000 AIS-carried vessels (*1)	
LAN interface	Ethernet 10/100/1000	
Power supply	100/200VAC 50/60Hz	
Dimensions	600(W) x 700(D) x 1900 (H) mm	
Operation Display		
LAN interface	Ethernet 10/100/1000	
Display contents	Radar video, radar track data, alarm signals, ENC, fixed range markers, bearing markers, latitude/longitude lines, variable bearing cursor, variable range cursor, radar control windows, AIS target data (*1), etc.	
Electronic chart	ENC S63 supported (sold separately)	
Memory capacity	Continuous 31 days	
Recording intervals	10, 30, 60, 90, 120 sec.	
Display resolution	1920 (H) x 1200 (V) pixels (WUXGA)	
Options		
AIS Receiver Kit	NZA-270A	
AIS Receiver	NTE-183	
AIS Controller	NCM-983	
Operation Display	NZA-273: Up to 2 units connectable	
Expansion Display	NWZ-204: Up to 2 units connectable	
Power Control Unit	NZA-280: Capable of extending the distance between the Antenna and the Processing Equipment distance up to 400m	

*1: Available when the AIS Receiver Kit is installed.

• Specifications may be subject to change without notice.

For further information, contact:

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