

**V620 is just the VTS you demand.**

## TRIHAWK V Series - Basic Model



### ■ Automatic Tracking of up to 300 Vessels

The image server/tracking device incorporated in the Radar data processor provides the high-resolution plotting processing function and the automatic vessel tracking processing function designed for VTS systems. The vessels entering the automatic tracking area that is preset on the Operation Display by the user are automatically acquired and tracked. By setting an tracking exclusion area, buoys, reefs and other unnecessary targets can be excluded from tracking.



### ■ Original Signal Processing for Sharp and Clear Radar Image

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

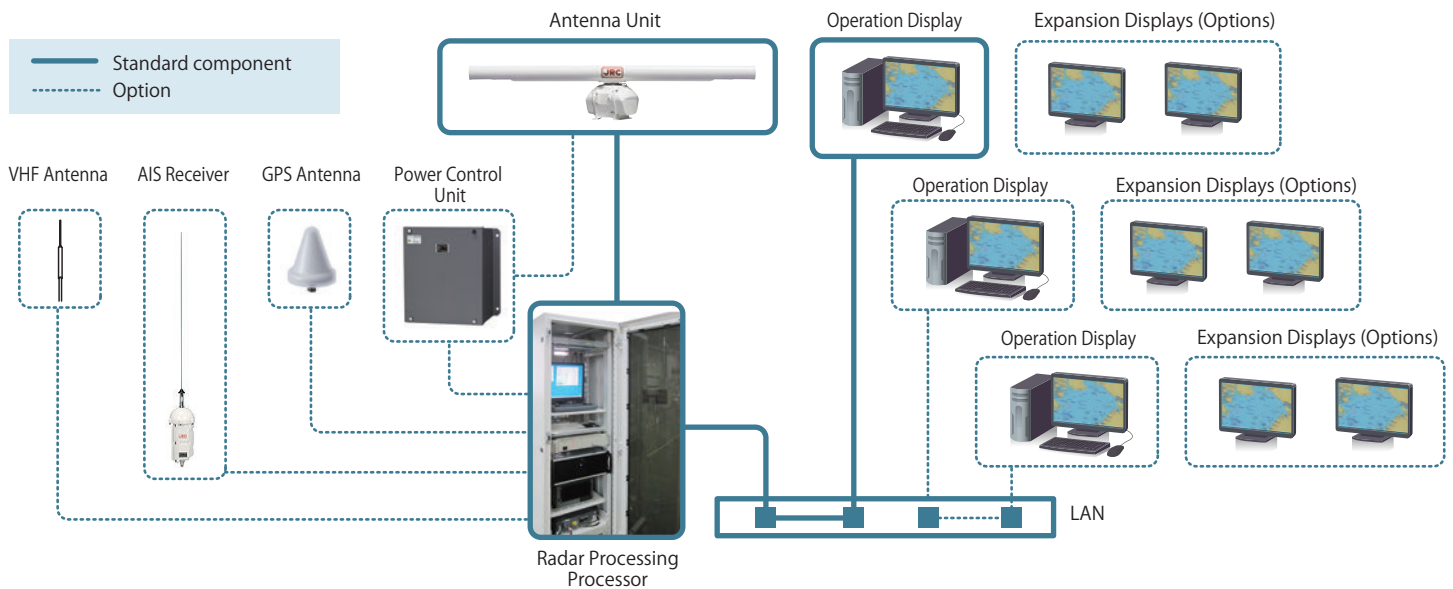
### ■ Wide-area Overview by Expansion Displays (Option)

The system can be expanded by adding optional operation displays, allowing two or more operators to monitor a congested sea area. Up to 3 operation displays are connectable to the system. These expansion displays can present an overview of a wide sea area or different sea areas on their individual screens.

Overview of a wide sea area on 3 display screens >



# V620 Series Configuration



# V620 Series Specifications

Model Type	JPL-620-2 ER1-6	JPL-620-2 ER2-9	JPL-620-2 ER2-9J
Antenna Unit	NKE-600-2 F2T	NKE-600-2 D1T	NKE-600-2 D1TJ
Radiator length	6 feet	9 feet	9 feet
Transmitted power	10kW	25kW	25kW
Rotational speed	27rpm	24rpm	24rpm
Plane of polarization	Horizontal	Horizontal	Horizontal
Transmitting frequency	9410MHz band	9410MHz band	9740MHz band
Dimensions/Weight	1910 x 457mm/40kg	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 Processing Processor	Radar video, antenna revolution signal, radar trigger		
Input signals	Gain control, sea clutter suppression, scan correlation, sweep averaging, rain/snow clutter suppression, interference rejection		
Video processing functions	Alarm line, Alarm area, dredging anchor, speed limit (min, max), collision alarm		
Alarm processing	Up to 300 targets		
Automatic tracking	Up to 1000 AIS-carried vessels (*1)		
AIS integrated process	Ethernet 10/100/1000		
LAN interface	100/200VACm 50/60Hz		
Power supply	600(W) x 700(D) x 1900 (H) mm		
Dimensions	Ethernet 10/100/1000		
Operation Display	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.		
LAN interface	ENC S63 supported (sold separately)		
Display contents	Continuous 31 days		
Electronic chart	10, 30, 60, 90, 120 sec.		
Memory capacity	1920 (H) x 1299 (V) pixels (WUXGA)		
Recording intervals	Options		
Display resolution	AIS Base Station: NZA-271		
Options	AIS Transponder: JHF-307 (*2)		
AIS Base Station	VHF Antenna: SL-150		
AIS Transponder	GPS Antenna: CCAH32ST14		
VHF Antenna	Performance Monitor: NJU-82A (for 9410MHz-band only)		
GPS Antenna	Operation Display: NZA-273: Up to 2 units connectable		
Performance Monitor	Expansion Display: NWZ-204: Up to 2 units connectable		
Operation Display	Power Control Unit: NZA-280: Capable of extending the distance between the Antenna and the Processing Equipment distance up to 400m		
Expansion Display			
Power Control Unit			

\*1: Available when the AIS base station is installed. \*2: Available as AIS receiving station.

※IALA Local Port Services category is under planning by IALA and will be decided by V-128,Ed.4.

• Specifications may be subject to change without notice.

**For further information, contact:**



Since 1915

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