

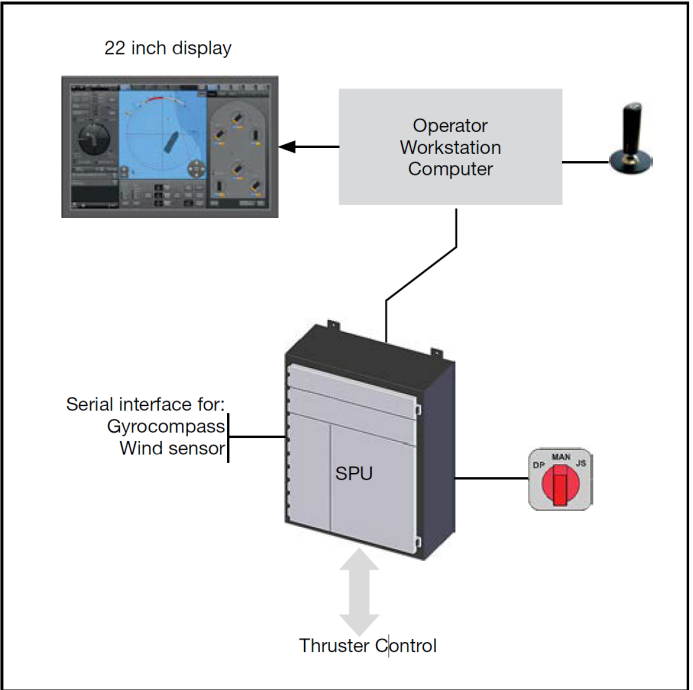
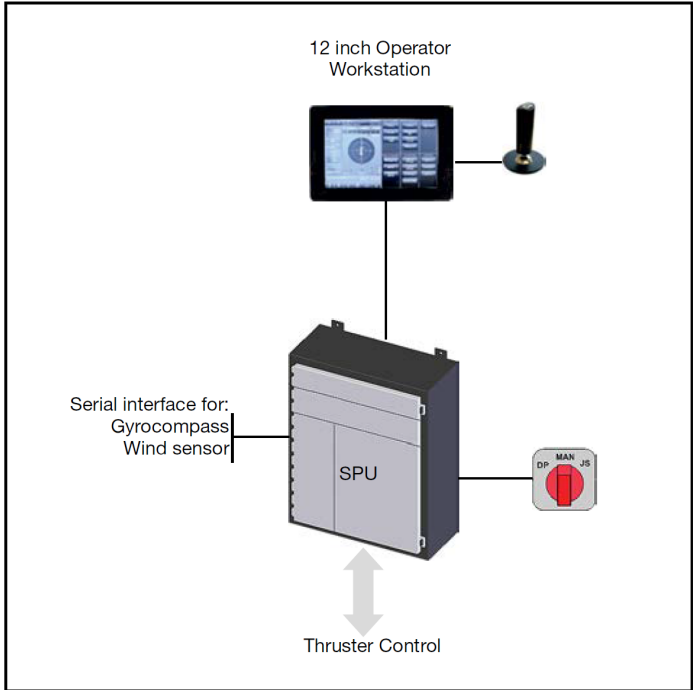
# ANCS Joystick with Heading Control

Meticulously designed to provide effortless control over vessel movement. With heading control, this system ensures precision and ease of use for vessel operators. It's a game-changer for enhancing manoeuvrability.

The Joystick System has been designed to provide easy control of vessel movement. The product consists of 2 modules – an Operator Workstation including a 3 axis non-spring loaded joystick, and a Signal Processing Unit (SPU). Connection to the thrusters is simplified through the use of I/O modules within the SPU. The product can be upgraded to DP0 with the addition of an MRU and a DGPS; and to a DP1 with the addition of a second SPU and Operator Workstation.

## Key Benefits

- Simple, intuitive and easy to use user interface
- Small footprint
- Upgradeable to DP0 and DP1
- Based on the proven NACOS Platinum platform



### Joystick Features

- Full 3 axis control
- Hold heading (including capability for a remote center of rotation)
- Wind compensation
- High speed mode (vessel speed controlled using the joystick)
- Simulation/training mode
- Optional: SmartPredict (predictive maneuvering model) – requires ECDIS option
- Optional: ECDIS (requires 22 or 26 inch display option)

### DP0 Features

- Hold heading and hold position
- Split axis (auto surge and auto sway)
- Remote Center of Rotation
- EcoDP
- Anchor mode

### Hardware Specifications for Operator Workstation

- 12 inch high brightness display (1000 nits max, fully dimmable to zero) with touchscreen
- Optional: 22 or 26 inch display with touchscreen (with separate operator workstation computer)
- Intel i7 processor based computer with solid state hard drive
- Includes 3 axis joystick
- Pedestal or console mount
- 12 inch workstation power requirements: 24 V DC 3.5 A (max)
- 12 inch workstation size: 335 mm (width) x 235 mm (height) x 130 mm (depth)

### Hardware Specifications for SPU

- Includes up to 64 I/O for required interfacing to vessel mains, rudders and thrusters
- Provides up to 4 serial interfaces and power for sensors
- Optional: Additional I/O and serial interfaces
- Power requirements: 100 V to 240 V AC 1.2 A (includes sensor power)
- Size: 410 mm (width) x 510 mm (height) x 225 mm (depth)

At NACOS Marine, we are redefining control at sea. Born from decades of maritime expertise, NACOS Marine delivers fully integrated automation, navigation, and dynamic positioning solutions, built on one intuitive platform. We empower vessel operators with precision, situational awareness, and confidence in the most demanding marine environments.



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