



ROBOSYS USV AUTOPILOT MODULE

HARDWARE SOLUTION IDEAL FOR POWERFUL REMOTE CONTROL OF USVs

Robosys USV AutoPilot is an advanced and flexible marine autopilot designed specifically for unmanned vessels. It can be configured to control a craft with single or twin engines, propulsion systems and waterjets, via industry standard interfaces.

Robosys AutoPilot is designed to be easily reconfigurable to meet the needs of a variety of craft.

Operators can benefit from an integrated, hardware and software configuration for full or partial autonomous operational solutions when USV AutoPilot is configured with Robosys' VOYAGER AI software.

This fully integrated platform boasts advanced features which meets the specific needs of remote hydrographic surveying, search and rescue patrols and many other USV operations, including remote operator training.

KEY FEATURES

- ✓ ANALOGUE & DIGITAL INPUTS/OUTPUTS
- ✓ ADVANCED SELF-TUNING AUTOPILOT CONTROL MODES
- ✓ COMPATIBLE WITH VOYAGER AI SOFTWARE
- ✓ ALSO COMPATIBLE WITH SHORT RANGE WIRELESS DOCKING CONTROLLER AND GCS
- ✓ SWITCHES EASILY BETWEEN AUTONOMOUS AND REMOTE CONTROL MODES
- ✓ SINGLE OR TWIN ENGINE CONTROL AND PROPULSION SYSTEMS, INCLUDING INDIVIDUAL OR DUAL WATERJETS
- ✓ EASY VESSEL INTEGRATION WITH DIFFERENT STEERING SYSTEMS, HYDRAULIC AND PUSH PULL MECHANISMS





SPECIFICATIONS

Dimensions	26x16x9 cm (LxWxH)
Supply voltage	9.36v dc
Weight	2.95 kg
Interfaces	Serial, ESC, TQBUS and CANBUS

Robosys AutoPilot is designed to provide fully autonomous and/or remote control capability using the Voyager AI software suite providing:

- ✔ Automatic collision avoidance in accordance with COLREGS
- ✔ Automatic obstacle avoidance
- ✔ Autonomous anti-grounding
- ✔ Loss of comms mission continuity



REMOTE OPERATIONS CENTRE



DEPLOYABLE GCS



USV REMOTE CONTROL



ROBOSYS CANBUS MODULE



ROBOSYS AUTOPILOT



EXAMPLE USV

CONTACT THE ROBOSYS TEAM TO DISCUSS HOW YOUR BUSINESS CAN BENEFIT FROM ROBOSYS' SOLUTIONS

VISIT OUR WEBSITE



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