



UNI-PACT

Unmanned Surface Vessel



1. Introduction

A COMPACT, VERSATILE USV

The Uni-Pact, has been developed to complement larger survey vessels used for survey and support tasks where a smaller vehicle is better suited to missions, offering efficient bathymetry from an unmanned platform. Made of asymmetric tough moulded polyethylene catamaran hull and an alloy deck, the Uni-Pact is incredibly stable and versatile.



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2. Features

- › Fully integrated and calibrated USV survey solution
- › Can be controlled manually or to follow pre-programmed routes that can be updated at any point through an easy PC based GUI
- › Two payload poles allowing simultaneous acquisition of dual payloads (e.g. MBES + SBP)
- › Survey PC independent of Uni-Pact autopilot and control PC
- › Survey software agnostic, capable of use with Hypack, QINSy or Eiva etc

3. Specifications

Length	3 m
Beam	1.77 m
Draft	0.45 m
Weight	485 Kgs
Endurance	8 hours
Propulsion	1 x 24VDC Electric Outboard (Torqeedo Cruise 3)
Navigation	DACS Autonomous system
Communication	LOS Radio 900MHz, H16 Controller, Starlink/4G
Batteries used	2 x Mastervolt MLI Ultra 24/6000 Batteries
Speed	3-5 Knots
Optional Features	• Commercial payloads used to date include MBES, SBES, SBP, Hydropact pipetracker, FIGS CP system, Norbit iLiDAR • Can be configured with an add-on Sensor Raft • Additional cameras can be added based on requirement

[Check out Unique Group's range of USVs here.](#)

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