

UNI-MINI

Unmanned Surface Vessel



1. Introduction

Unique Group has developed the Uni-Mini, compact and lightweight vehicle which can be used in the shallow area survey.

The Uni-Mini USV is a compact and lightweight vehicle which can be used in the shallow area survey. With a facility to integrate with the choice of transducer and GPS system.



UNI-MINI

Unmanned Surface Vessel

The Uni-Mini can perform all the survey tasks with minimal effort and manpower. The features enable the user to perform all hydrographic survey operations from land with minimal to low risk levels.

2. Features

- Two person transportable.
- 4 hours (Swappable batteries).
- Autonomous and remote-control operation.
- Ability to integrate dual/single antenna-based GPS system.
- MiniPilot Autonomous system.
- Front facing camera.



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3. Specifications

Length	1.675 m
Beam	0.784 m
Weight	65Kgs
Battery Endurance	4 hours (Swappable batteries)
Motor	2 X brushless DC thrusters
Hull Material	Carbon Fibre
Steering	Differential
Ground Control Unit	900MHz (433MHz using Futaba controller)
Remote antenna	Omni directional
Remote range	2 Kms (Line of sight)
GPS	Any survey grade GPS with NMEA output
Batteries used	1 X 24V 50Ah Li-ion battery
Speed	3-5 Knots
Communication	Wifi – Radio, 4G is optional
Optional Features	<ul style="list-style-type: none">• Survey software integration. (Quincy/Hypack)• Uni-Mini is compatible with all major industry standard products subject to dimensions and weight constraints.• Additional cameras can be added based on requirement

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



UNI-PACT



UNI-MAX

Get in touch for end to end Subsea Solutions.

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