

## 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 shallow area surveys with a facility to integrate with the choice of transducer and GPS system.



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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

<b>Length</b>	1.675 m
<b>Beam</b>	0.784 m
<b>Weight</b>	65Kgs
<b>Battery Endurance</b>	4 hours (Swappable batteries)
<b>Motor</b>	2 X brushless DC thrusters
<b>Hull Material</b>	Carbon Fibre
<b>Steering</b>	Differential
<b>Ground Control Unit</b>	900MHz (433MHz using Futaba controller)
<b>Remote antenna</b>	Omni directional
<b>Remote range</b>	2 Kms (Line of sight)
<b>GPS</b>	Any survey grade GPS with NMEA output
<b>Batteries used</b>	1 X 25.6V/78Ah LiFePO4 battery
<b>Speed</b>	3-5 Knots
<b>Communication</b>	WiFi – Radio, 4G is optional
<b>Optional Features</b>	<ul style="list-style-type: none"><li>&gt; Survey software integration. (Quincy/Hypack)</li><li>&gt; Uni-Mini is compatible with all major industry-standard products subject to dimensions and weight constraints.</li><li>&gt; Additional cameras can be added based on requirements.</li></ul>

# Get in touch for end to end Subsea Solutions.

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SCAN ME

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Together for a sustainable tomorrow.



# Unique Group

**Deep Imagination**

Leading the way in Subsea Technology & Engineering