



Unique Group

Uni-Cat

A Unique USV
(Unmanned
Surface Vehicle)



Uni-Cat operates autonomously on water surface where conventional methods are not ideal and helps avoid mobilising a vessel of opportunity.

Uni-Cat has capabilities for:

**Real-Time Positioning,
Bathymetry and
Remote Data Acquisition**

Highlights include:

- Easy to mobilise & operate
- Manual control and mission planning available
- Customisable payload
- Ideal for shallow waters

Applications include:

- Hydrographic survey
- Search and recovery
- Oceanography and monitoring
- Inspection Survey

www.uniquegroup.com



2.4 GHz Antenna

Camera

Radar

GPS

Data Acquisition PC;
Navigation Software

Battery Pack

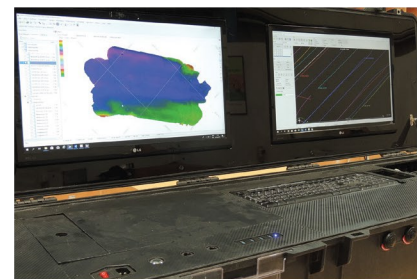
Outboard Engines

M.A.P. Pro

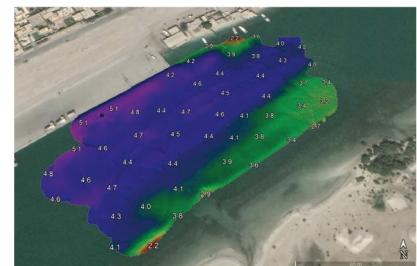


Technical Specifications

DIMENSIONS	Length: 4.8 m (16') Beam: 2.5 m (8') Draft: 0.4 m (Min) Overall Weight: 550 Kg
SPEED RANGE	0-7 Kts
SURVEY SPEED	3-4 Kts
PROPULSION	2 x 24VDC Electric Engines
AUTOPILOT SYSTEM	M.A.P. Pro
STEERING	Electric remote twin steering
DATA TELEMTRY	Dual Frequency (2.4 & 5 GHz) Radio Modem / 4GLTE (worldwide)
BATTERY PACK	1* 13.25V / 360 Ah Li-ion 2* 25.9V / 108 Ah Li-ion
GROUND CONTROL STATION	Intel Processor i5 Operating System: Windows 10 Hard Disk: 1TB SSD, RAM: 16 GB, Wifi



Ground Control Station



Uni-Cat multibeam data acquisition