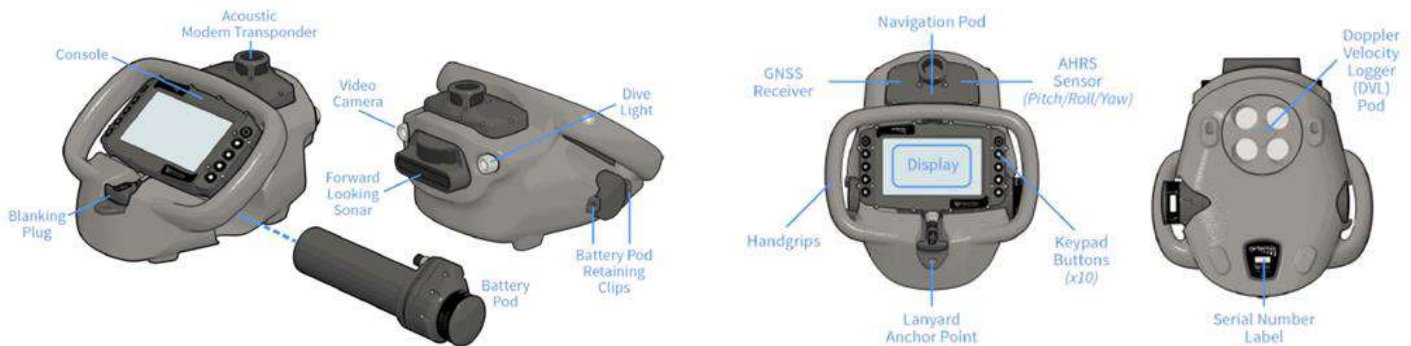


ArtemisPRO



Handheld Diver Navigation & SONAR



ArtemisPRO is a handheld diver navigation system incorporating a multibeam imaging sonar, Doppler Velocity Log (DVL), acoustic communication and positioning beacon, camera, dive light, and a removable floating GPS receiver buoy.

ArtemisPRO is designed specifically for military and public safety divers, assisting Combat Divers and Explosive Ordnance Disposal Divers with covert dead reckoning navigation tasks and the identification of seabed targets.

ArtemisPRO is intuitive and straightforward to use. The interface has been designed so users can quickly interpret information presented via the simple menu interface and graphical display. Sonar, Navigation, and Camera applications are easily switched with the touch of a button. Now featuring a bespoke Head Mounted Display for zero-visibility diving.



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Diving with ArtemisPRO

For diver navigation and positioning, ArtemisPRO combines several sensors: an internal GNSS antenna to get an absolute position fix when the diver is at the surface, a **Doppler Velocity Log (DVL)** to track movement when the diver submerges, and **AHRS sensors** to provide "dead-reckoning" based navigation.

Mission files can be created containing **waypoint and target markers** to assist the diver in navigating a search pattern or swim between locations. The diver's **position, velocity, heading, depth, and course history** are shown on ArtemisPRO's display and additional points of interest may be added during a dive.

PRODUCT SPECIFICATION

Dimensions	365mm long x 340mm wide x 215 mm high
Weight	~10.5kg in air, ~0.25kg max in water (sensor dependent)
Operating Temp.	-10°C to +45°C
Operating Depth	80m sea water

Electrical

Screen	Tilted 7", 1024 x 600 pixel, 16-bit colour Liquid Crystal Display with adjustable back-light brightness.
Data Logging	Data logging to internal Solid state drive - 256Gb/500Gb/1Tb options available.
Integrated Sensors	Pressure, Water Temp, Attitude/Heading (pitch & roll, compass, rotational rate gyros), Battery voltage
User Interface	10 x solid-state piezo button interface for menu navigation and parameter control
Communications	USB2.0 480Mbps port for connection to a PC.

Battery Pack

Operating Time	6-8 hours typical use from charged battery pack.
Charging Time	Approx 4 hours from fully discharged state. 90-264V
Charger Supply	AC Mains at 50-60Hz



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