



HarbourPilot Lightweight

Experience superior navigation
with world-class quality

HarbourPilot Lightweight offers exceptional navigation information to support even the most critical ship handling manoeuvres.

HarbourPilot is a dual antenna, mGNSS enabled system with highly accurate Heading and Positioning performance.

This high precision Portable Pilot Unit provides pilots with reliable information which is completely independent of the ship's data.

The stable and accurate data from the HarbourPilot's sensors is fed to the software for real-time and accurate navigation and docking information for all piloting conditions and challenges including low visibility and rough weather conditions.

No matter the type of piloting operation, HarbourPilot is the ultimate decision support tool from boarding to berthing.



Navicom Dynamics
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An mGNSS enabled dual antenna system which is completely independent of the ship.



Battery Charging Connector



Performance Features & Usability

- Independent** : Independent source of navigation information. Not dependent on ship's data.
- Accurate** : Dual antenna system provides accurate and stable data to the software to create a real-time image of the vessel on screen.
- Reliable & Familiar** : The same high quality data aboard every vessel.
- Improves work efficiency** : Swept-path predictor for monitoring turns. Excellent aid in poor visibility or rough weather conditions. Increased productivity and profit for Ports.
- Enhances Safety** : Safer ship handling in confined and marginal conditions.
- Typical Usage** : Harbour docking, Swinging, Tight turns - Can support any manoeuvre.
- Interfacing external data** : Optionally provides real-time UKC information. Can be interfaced with shore-based data where needed.
- Enhancing PPU performance/ data quality** : Receives SBAS corrections (where available)
Optional Base stations - DGPS/RTK corrections.
- Pitch, Roll & Heave** : Data can be made available by the HP Lightweight.
Speak to us for more information.



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HarbourPilot Lightweight Specifications

Physical Specifications

Dimensions	235 x 135 x 110 mm (slave antenna) 125 x 90 mm (master antenna)
Weight	< 3 kg (excluding display)
Battery	Li-Ion rechargeable
Battery life	> 12 hours
Indicators	Battery status, Comms link status, GNSS position status
Charger cable	1.5 m charging cable with adapter

Technical Specifications

Position source	L1 GPS, GLONASS
Correction source	SBAS enabled (WAAS, MSAS, EGNOS, GAGAN, SDCM)
Position accuracy	GNSS < 1.2m, SBAS (corrected) < 0.3m DGPS (corrected) < 0.3m, RTK (corrected) < 0.1m
Heading	HDG Accuracy: < 0.2° HDG Precision: 0.1°
Bow & Stern Velocity	± 0.01m/sec (0.02Kn)
Rate of Turn	ROT < 0.1°/min ROT Precision: 0.1°/min
AIS reception range	> 7Nm
Data output	GPGGA, GPHDT, GPROT, AIVDM (when AIS built in) and battery status
Connectivity	Wi-Fi or Bluetooth (Class 1)

Environmental Specifications

Operating temperature	- 20°C to +74°C (-4°F to +165°F)
Storage temperature	-40°C to +85°C (-40°F to + 185°F)
Humidity	95% (non-condensing)
IP rating	IP 66
(RoHS)	HarbourPilot Lightweight meets the directive for Restriction of Hazardous Substances (RoHS)

Order the Complete Package from us now!

HarbourPilot Lightweight + Display (Laptop/Tablet)+ Software + ENC's Set-up & ready to use

Our products are used in over 30 countries globally. Some of our HarbourPilot customers are:

- Gladstone Ports Corporation, Australia
- Sabine Pilots, Texas, USA
- Maranhão Pilots, Sao Luis, Brazil
- Port of Dover, United Kingdom
- Royal Australian Navy, Australia

To refer case studies of our products, please visit our website on:
www.navicomdynamics.com/case-studies

- ▶ Discounts available for volume purchases
- ▶ 2 year warranty applicable (1 year for cables and batteries)
- ▶ Variety of support packages available
(<http://navicomdynamics.com/products/product-support>)
- ▶ Purchase also available through 'Equipment on lease'
(SaaS Select) program (inclusive of comprehensive support)

The PilotPack is custom made for Navicom HarbourPilot Lightweight system. This industrial strength backpack protects the equipment from harsh maritime conditions while allowing Pilots to easily store and transport Navicom gear while on job.

Ergonomically designed to facilitate easy transfers whether carried on person or hauled up side of ship or down from a helicopter.



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