



HarbourPilot Triton

Achieve the ultimate in positioning,
heading and ROT performance

HarbourPilot Triton is Navicom's flagship system and the ultimate in Portable Pilot Unit technology.

It is a high precision, dual antenna system with full mGNSS (GPS, GLONASS, BEIDOU) with L1 and L2 bands. L2-activation greatly improves functionality and performance. This gives it much more data to work with, increasing both accuracy and reliability. HarbourPilot Triton allows quick set-up by placing the antenna at any separation. RTK and DGPS base station UHF option is also available.

With HarbourPilot Triton, the most critical manoeuvres are supported with the best quality data. This includes docking, berthing, tight swings/turns as well as channel navigation. The HPT also supports some offshore oil & gas applications.

HarbourPilot Triton is customisable and provides marine pilots with the best information which is completely independent from the ship's data, greatly improving port safety and efficiency.



Navicom Dynamics

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



Performance Features & Usability

- Independent** : Fully independent from ships data. Offers a reliable secondary source for navigation information.
- Variable antenna separation** : No need for pre-programmed fixed antenna separation, place antennas at any separation up to 5m.
- Enhancing PPU performance** : Receives SBAS (where available) corrections. Optional RTK/DGPS corrections with UHF. Option for Atlas corrections services to increase accuracy.
- Familiar & Reliable** : Same high-quality data on board every vessel.
- Interfacing external data** : Optionally can be interfaced with shore based data where needed.
- Enhances safety** : Invaluable in low visibility or rough weather conditions. Supports any manoeuvre for ship handling in confined waters and marginal conditions.
- Robust & Durable** : Ruggedised carry case allows ease of carriage, set-up and stowage. Protects gear from harsh maritime conditions or rough use.
- Pitch, Roll & Heave** : Data can be made available by the HP Triton. Speak to us for more information.



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HarbourPilot Triton Specifications

Physical Specifications

Dimensions	L457mm x W330mm x H175mm (interior) L503mm x W406mm x H193mm (exterior)
Weight	8 kg (excluding laptop)
Battery	Li-ion rechargeable
Battery life	> 10 hours
Indicators	Battery status, Communication link, GNSS position, Antenna Rx, Heading, UHF Link

Technical Specifications

Position source	L1/L2 mGNSS - GPS, GLONASS, GALILEO, BEIDOU
Correction source	SBAS enabled (WAAS, MSAS, EGNOS, GAGAN, SDCM) Additional enhancements: UHF DGPS (base station), UHF RTK (base station), Atlas satellite based corrections
Position accuracy	GNSS < 1.2m, SBAS (corrected) < 0.3m, DGPS (corrected) < 0.3m, RTK (corrected) < 0.02m, Atlas correction services (corrected) < 0.04m
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	> 10Nm
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 67
(RoHS)	HarbourPilot Triton meets the directive for Restriction of Hazardous Substances (RoHS)

Order the Complete Package from us now!

HarbourPilot Triton + Display + Software + ENCs Set-up & ready to use



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

- Gladstone Ports Corporation, Australia
- Exxon Mobil, Papua New Guinea
- Cabinda Gulf Oil Company (CABGOC), Angola
- Woodside Energy, Australia
- Dutch Offshore contractors, Netherlands

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)

All this and more! Find out how you can make the HarbourPilot Triton yours and join the growing, global Navicom family.

More precision navigation products from Navicom Dynamics:

ShuttlePilot	For relative positioning operations and buoy moorings in the offshore industry. Options include: ESD, hawser and riser monitoring.
ChannelPilot	Small, lightweight and cost effective. Ideal for navigating narrow channels and some restricted manoeuvres.
GyroPilot	Adds smoothed heading and ROT to pilot plug data with GPS fall-back.

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