Navicom Dynamics

Innovate | Integrate | Communicate

Our Navigation & PPU Product Range

GyroPilot & GyroPilot Plus

Pilot Plug based PPU



GyroPilot

- Provides AIS position
- Refines the ships' heading
- mGNSS back-up receiver (if AIS fails)
- Ship to Ship (STS) option

GyroPilot Plus

- Independent mGNSS position antenna for the GP3
- Receives SBAS corrections
- Each weighs 300gms with >24 hour battery life

ChannelPilot X

Fully independent Dual antenna PPU



- Can operate across three different modes: Autonomous, Supported and Dependent
- Integrated AIS receiver
- Detects GNSS jamming and spoofing threats
- mGNSS position with L1/L2/L5/L6 bands
- GNSS corrections: SBAS, NTRIP RTK & Galileo HAS
- Wireless connectivity: Wi-Fi + GSM, with an integrated cellular module
- Weighs 650 gm with 24 hour battery life

HarbourPilot Mk5

Fully independent Dual antenna PPU



- The ultimate PPU – Fully independent of vessel information
- mGNSS position with L1/L2/L5 bands
- Options for various correction services: SBAS, RTK, CORS.
- AIS receiver
- Independent ROT
- Independent Heading
- Option to link as many displays as required
- 18 hour battery life

HPSF

Fully independent Dual antenna semi fixed PPU



- Fully independent of vessel information
- Designed for improved situational awareness & also has enhanced security
- Get accurate Position, Heading, ROT, COG, SOG
- mGNSS position L1/L2/L5 bands
- Option to link as many displays as required for crew to receive real-time information anywhere on vessel
- Fixed antennae for easy and reliable setup

HarbourPilot Fixed CanalPilot & NPUT

Fixed solution for precision navigation



- Fully independent of vessel information
- CanalPilot approved for use transiting the large locks in Panama
- mGNSS position with L1/L2/L5 bands
- Receives various corrections
- Independent ROT & Heading
- Fixed installation with fixed antennae for easy and reliable setup
- Option to link as many displays as required
- Detects GNSS jamming and spoofing threats
- Works on Ship power with battery backup

ShuttlePilot

Specialised Unit for Offshore Oil & Gas industry manoeuvres



- Fully independent system
- Used to monitor process of mooring of offload tankers to an FPSO/FSO/SBM
- Provides situational awareness about the dynamics of two vessels during side-by-side and tandem mooring during offtake operations
- Customisable & engineered to requirements
- Options available for making operations more robust: Emergency Shut down, Hawser monitoring, etc.