Product Comparison - Specifications

Navicom Dynamics
Innovate | Integrate | Communicate

**Achieves accuracies down to*
*** SBAS reception is dependent on regional availability*

		Position Accuracy (RMS)*						Heading*		Rate of Turn*	Dimensions						
Product	Independence from vessel	Uncorrected	**SBAS	RTK	Galileo HAS	Atlas	AIS Range up to	HDG Accuracy	HDG Precision	ROT	Length	Width	Height	Weight (Sensors only)	Set-up time	Battery Life (up to)	**Typical Usage**
GyroPilot 	Pilot Plug based (dependent)	AIS					Ships' AIS	0.5°	0.001°	0.4° per minute	120mm	75mm	40mm	300gm	<2 minutes	24 hrs	Coastal pilotage, broader & uncomplicated pilotage applications
GyroPilot Plus 	Works with GP only (independent position)	1.5m (CEP)	1m (CEP)								120mm	75mm	40mm	300gm	<2 minutes	24 hrs	To augment the GP3 to provide independent position for confined navigation
GyroPilot STS 	Pilot Plug based (dependent)	AIS					Ships' AIS	0.5°	0.001°	0.4° per minute	120mm	75mm	40 mm	300gm	<3 minutes	24 hrs	To support lightening and side-to-side manoeuvre of two vessels
ChannelPilot X 	Autonomous Supported Dependent	1.2m	0.6	0.01m	0.1m		5 nm	0.03° at 5m antenna separation	0.001°	0.10° per minute	133mm	94 mm	62 mm or	650gm	<2 minutes	24 hrs	Confined navigation/docking/swinging. Can support any manoeuvre.
HarbourPilot MK5 	Fully independent	1.2m	0.3m	0.01m		H30=0.15m/ H10=0.04m	10nm	0.02° at 5m antenna separation	0.001°	0.1° per minute	180mm (processing unit) 135mm (heading antenna)	140mm (processing unit) 135mm (heading antenna)	90mm (processing unit) 75mm (heading antenna)	1.9kg total (for master + processing unit)	<2 minutes	Up to 18 hrs	Confined navigation/docking/swinging. Can support any manoeuvre.
HPSF 	Fully independent	1.2m	0.3m	0.01m		H30=0.15m/ H10=0.04m	Ships' AIS or up to 25 nm	0.02° at fixed antenna separation of 10m	0.001°	0.1° per minute	503mm	406mm	406mm	8kg	<3 minutes	Mains operated. 8 hrs battery backup.	Confined navigation/docking/swinging. Improve situational awareness. Can support any manoeuvre.
CanalPilot 	Fully independent	1.2m	0.3m	0.01m		H30=0.15m/ H10=0.04m	25nm	< 0.02°	0.001°	0.1° per minute	250mm	186mm	81mm	3.5kg		Mains operated. 8 hrs battery backup.	Total situational awareness to ensure safe navigation through Panama Canal.
HPF 	Fully independent	1.2m	0.3m	0.01m		H30=0.15m/ H10=0.04m	25nm	< 0.02°	0.001°	0.1° per minute	250mm	186mm	81mm	3.5kg		Mains operated. 8 hrs battery backup.	Total situational awareness to ensure safe navigation.
NPUT 	Fully independent	1.2m	0.3m	0.01m		H30=0.15m/ H10=0.04m	25nm	< 0.02°	0.001°	0.1° per minute	250mm	186mm	81mm	3.5kg		Mains operated. 8 hrs battery backup.	Purpose-built for permanent installation on tugs.

Product Comparison - Features

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**Can connect to multiple Wi-Fi devices*
***SBAS reception is dependent on regional availability*

	Connectivity	AIS	Position Source		Corrections			Antenna		ROT	Battery		
Product	***Multi connect with Wi-Fi**	**AIS**	**mGNSS Receiver**	**GNSS Bands**	****SBAS**	**Satellite**	**RTK (options)**	**Type**	**Separation**	**Gyro**	**Type**	**Charger Type**	**Pack / Store Options**
GyroPilot 	Multi-connect with Wifi or Bluetooth	Via ship's pilot plug	Backup mGNSS available	L1				Pilot plug based		✓	Li-ion	Via USB	Case + anti-slip mat (included)
GyroPilot Plus 	Wireless Pairs with GyroPilot connected to users' display		GPS/GLONASS/ GALILEO/QZSS/ BEIDOU	L1/L5	✓			mGNSS		N/A	Li-ion	Via USB	Case (included)
GyroPilot STS 	Multi-connect with Wifi	Via ship's pilot plug	GPS/GLONASS/ GALILEO/QZSS/ BEIDOU	L1				Pilot plug based		✓	Li-ion	Via USB	Case + anti-slip mat (included)
ChannelPilot X 	Multi-connect with Wifi	Independent AIS Integrates AIS receiver	GPS/GLONASS/ GALILEO/QZSS/ BEIDOU	L1/L2/L5 /L6 mGNSS	✓	Galileo HAS	NTRIP	mGNSS		✓	Li-ion	Via USB or mains charger	Case (included)
HarbourPilot Mk5 	Multi-connect with Wifi or Bluetooth	Independent AIS	GPS/GLONASS/ GALILEO/QZSS/ BEIDOU	L1/L2/L5	✓	Atlas, H10 or H30	NTRIP, UHF, or Satellite based	Connected Dual mGNSS	Self calibrating	✓	Li-ion	Via USB or mains charger	Custom made backpack with foam insert (optional)
HPSF 	Multi-connect with Wifi	Independent AIS (external antenna optional)	GPS/GLONASS/ GALILEO/QZSS/ BEIDOU	L1/L2/L5	✓	Atlas, H10 or H30	NTRIP, UHF, or Satellite based	Connected Dual mGNSS	Self calibrating	✓	Li-ion	Via USB or mains charger	Ruggedised case (built in)
CanalPilot 	Multi-connect with Wifi	Independent AIS	GPS/GLONASS/ GALILEO/QZSS/ BEIDOU	L1/L2/L5	✓	Atlas, H10 or H30	NTRIP, UHF or Satellite based	Connected Dual mGNSS	Self calibrating	✓	Li-ion	Mains or DC power supply	N/A
HPF 	Multi-connect with Wifi	Independent AIS	GPS/GLONASS/ GALILEO/QZSS/ BEIDOU	L1/L2/L5	✓	Atlas, H10 or H30	NTRIP, UHF or Satellite based	Connected Dual mGNSS	Self calibrating	✓	Li-ion	Mains or DC power supply	N/A
NPUT 	Multi-connect with Wifi	Independent AIS	GPS/GLONASS/ GALILEO/QZSS/ BEIDOU	L1/L2/L5	✓	Atlas, H10 or H30	NTRIP, UHF or Satellite based	Connected Dual mGNSS	Self calibrating	✓	Li-ion	Mains or DC power supply	N/A