

## SFBP NAV TECH - ROUTE PILOTING SYSTEM HARDWARE COMPARISONS

Manufacturer	Trelleborg / Marimatech	Raven Marine	Navicom Dynamics	AD Navigation
Origin	Denmark	USA	New Zealand	Norway
Model	<b>CAT ROT XT</b>	<b>Revolve and Invicta 211</b>	<b>GyroPilot Plus</b>	<b>ADQ-3</b>
Description	Identical pair of devices. 1 functions as ROT sensor and the other functions as GNSS receiver	2 separate devices. 1 functions as ROT sensor, the other functions as GNSS receiver	2 separate similar devices. 1 functions as ROT sensor, the other functions as GNSS receiver	2 separate similar devices. 1 functions as ROT sensor, the other functions as GNSS receiver
Compatible with multiple softwares	Yes	Yes	Yes	Yes
Interchangeable	Yes	No	No	No
Kalman Filtering	Yes	No	No	unk
	<b><u>ROT Device</u></b>			
Heading Resolution	0.1 deg	unk	0.1 deg	0.1deg
ROT Accuracy	<0.5 deg/min	unk	<0.5 deg/min	0.5 deg/min
Battery Life	16 hrs	15 hrs	15 hrs	56 hrs
Connection Method	WiFi	Bluetooth	WiFi and Bluetooth models	WiFi
Size - Dimensions	138x100x25 mm	114x79x24 mm	120x75x40 mm	180x100x32 mm
Weight	420g	186g	300g	390g
IP Rating (Weatherproof)	IP 67	n/a - not weatherproof	IP 65	
	<b><u>GPS Device</u></b>			
mGNSS	Yes - L1 GPS/GLONASS/BEIDOU	No	Yes L1 GPS/GLONASS	unk
WAAS	Yes	Yes	Yes	unk
DGPS (beacon)	No	Yes	No	unk
Position Accuracy	<0.7m	<1m	unk	unk
Speed Accuracy	1cm/sec	unk	unk	unk
Battery Life	16 hrs	16 hrs	approx 30 hrs	unk
Connection Method	WiFi	Bluetooth	WiFi and Bluetooth models	unk
Size - Dimensions	138x100x25 mm	200x100x50 mm	120x75x40 mm	unk
Weight	420g	995g	300g	unk
IP Rating (Weatherproof)	IP 67	IP 66	unk	unk
	<b><u>Cost</u></b>			
Unit Price	Pair \$6,360	ROT \$4,995 GPS \$6,995	Pair \$2,720	Pair \$2,990
Warranty/Service Plan 4 years	\$2,332	\$2,085	\$1,088	\$870
<b>Estimated Total 4 year cost</b>	<b>\$8,692</b>	<b>\$14,075</b>	<b>\$3,808</b>	<b>\$3,860</b>
	<div style="border: 1px solid black; padding: 5px; display: inline-block;">SFBP PLAN</div>		This system still in development/BETA status	This system still in development/BETA status
<b>Usage Status</b>	<b>In production and in use</b>	<b>In production and in use</b>	status	status