			TIMEZ	ZERO Mo	odules c	compatib	llity With:					
ALAN W	Targets (AIS/ARPA)	Routing Optional	Radar Optional	Sounder  Optional	PBG	WASSP	DFF3D	Trawl Positioning	Bottom Hardness	S-63	ÖQ VDR	
NAVIGATOR PROFESSIONAL	<b>*</b>	Optional	<b>♥</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
Base Softwar	e Features:						,	TZ	Z NAVIGATOR v4 <sup>(1)</sup>		OFESSION 4 <sup>(2)</sup>	
Supported PC Operating Systems: Windows 7, Windows 8 and Windows 10									<b>✓</b>		<b>✓</b>	
Connection to Instruments: NMEA0183, NMEA2000 (via Actisense NGT1-USB) or Furuno NavNet Network (for Navigation Data Only)									<b>✓</b>		<b>✓</b>	
Autopilot Output Conn		I 3D View wit	h Seamless	: Chart Redra	w without	limited rang	nresets)		<b>~</b>	•	<b>/</b>	
Exclusive TIMEZERO Chart Engine (2D and 3D View with Seamless Chart Redraw without limited range presets)  Advanced Professional User Interface									<b>Ø</b>		<b>~</b>	
Friendly Touch Screen compatible User Interface									~		0	
"Quick Action" NavData allows to configure any actions to a button  Day, Dusk and Night Mode												
Worldwide Planning Ch									<b>~</b>		<b>Y</b>	
Worldwide 3D Databas	se (base map)								<b>✓</b>	•	<b>~</b>	
mm3d Raster or Vector		(from various	manufactu	ırers such as	C-MAP, Na	avionics or M	apMedia)		<b>✓</b>	•	<b>/</b>	
Import S57 Charts (NO  Exclusive TIMEZERO P		ent mix of sate	ellite photo	s and nautica	al charts)				<b>⊘</b>		<b>/</b>	
Depth Shading (color ac	ccording to depth ov	verlaid on the	chart)						<b>✓</b>	•	<b>/</b>	
Custom Depth Shading		ors according	to depth)						0	Opt	tional	
Profile Window on Divider and Tracks  Custom Contour Lines											tional tional	
Worldwide Tide Database									<b>✓</b>		<b>•</b>	
Tidal Currents for Nortl	h America								<b>~</b>	•	<b>/</b>	
Optional Mestern Euro	•					·	v cilability (		Optional	·	tional	
Optional Accurate High Resolution Satellite Photos for Bahamas and Europe (refer to chart catalog for availability)  Multi-level Undo & Redo									Optional 🗸	Opt	tional	
Unlimited Track Record	ing (with track recall	l feature)							<b>✓</b>		<b>V</b>	
Track Line Coloring (acc									<b>Ø</b>	•	<b>/</b>	
Advanced Route Planni Search & Rescue (SAR)		eparture Time	e Optimizat	ion accordin	g to Tidal C	Lurrent)			<b>~</b>	•	<b>Y</b>	
Anti-Grounding Cone	.2								<b>✓</b>		<b>*</b>	
Planning Route Safety (	Check								<b>✓</b>	•	<b>/</b>	
Lost Sensor Alarm Print Route Feature									<b>*</b>	•	<b>V</b>	
Print Route Feature Odometer NavData (Du	uration, Distance, Ma	ax Speed, Ave	erage Speed	d)					<b>~</b>		<b>Y</b>	
Marks, Waypoints, Rou					ets)				<b>~</b>		<b>/</b>	
Synchronization of Use		Cloud synchr	onization) a	among comp	oatible TIMI	EZERO Platfo	orms)		<b>~</b>	•	<b>V</b>	
Unlimited User Objects Layer and Marks Mana		resets allowin	g customer	to create "g	roup" of lay	vers)			0		<b>/</b>	
Advanced Events Mana									0		•	
Event NavData allows t	o quickly drop even	t with the mo	use						0	•	<b>/</b>	
Loran C & Decca grid  Worldwide Place Name	Search								<b>Ø</b>	•	<b>V</b>	
POIs: Import your own		es") with Auto	matic Geol	ocation					<b>*</b>		<b>*</b>	
POIs: ActiveCaptain (In	teractive Cruising G	uidebook)							<b>~</b>	•	<b>/</b>	
Weather Data Service (					rents, Press	sure)			<b>✓</b>	•	<b>•</b>	
Ocean Data Service (Se Ocean-O Premium Data					om Filters)				0	Ор	tional	
Weather Forecast, Tide	s and Currents Anim	nation							<b>✓</b>	•	<b>/</b>	
Alarms (Anchor Alarm,									<b>✓</b>	•	<b>/</b>	
Alarm Zone NavData (k Own Ship and Targets (	·		n zone)						Ø	•	<b>/</b>	
AIS and MARPA Target	Display (with target	s list)							<b>✓</b>	•	<u> </u>	
AIS and MARPA Graph	ic CPA								<b>✓</b>	•	<b>~</b>	
Target Track Recording  AutomaticTarget Trail									<b>~</b>		<b>/</b>	
Advanced AIS Manager	ment (Target Activati	ion)							0		<u> </u>	
AIS MKD allowing to se	et Voyage Data and I	Navigational S	Status (Mod	ored, Navigat	tion)				0	•	<b>/</b>	
AIS messages can be se AIS Marine Traffic com									0	•	<b>/</b>	
Digital Selective Calling	•			et connection					<b>*</b>		<u> </u>	
Fleet Tracking ("PosRep	" files support)								0	•	<b>~</b>	
Fishing Buoys	idaa Canvartar Sunn	nort/Control	and Trackin	-al					0	•	<b>/</b>	
AXIS IP Cameras and V  FLIR Thermal Camera I				18)					Ø		<b>/</b>	
Generic Fixed H264 Ne	etwork Camera (vide	eo only, no Co	ntrol nor Tr	racking)					0	•	<b>*</b>	
Augmented Reality	out:								0	•	•	
Dual or Triple monitors  Fuel Management (Fuel		Warning, Dist	ance to Em	npty, Time to	Empty)				Ø	•	<b>Y</b>	
High Resolution 3D bat									0	Opt	tional	
Modules availab	le as options:							TZN	avigator v4	TZ Profe	essional	
TZ Radar Module (with	Furuno Ethernet Ra	ndar) includes:							Optional		<b>/</b>	
DRS and FAR Radar net Shared Charts Licensing User Objects and Activ Route Synchronization Full Screen Radar Work Local ARPA Algorithm v	g with NavNet MFD e Route Synchroniza with NavNet 3D and Space and Chart Ra	s ation with Nav d NavNet TZt adar Overlay	/Net TZtou ouch	ch2 (v7)								
TZ Sounder Module (wi	ith Furuno Ethernet	Sounder) incl	udes:						Optional	Opt	tional	
Sounder network conne Full Screen Sounder We	•		der)									
ΓΖ Routing Module incl									Optional	Opt	tional	
Routing according to was sochrones with SailSet Routing calculation auto Dual Route calculation Expected wind condition Alternate routing Routing Detail (List) Routing and Weather Accordings (requires wind applicable)	overlay omatically avoiding t sail/motor (dependin ons display along the unimation	the coastline a				et the depth	imit)					
Laylines (requires wind Polar workspace : to dis Polar % modification Adjusting Weather files Routing variability calcu	splay and modify Wi	ind and SailSe	t Polar files	5								
TZ PBG Module includes:  Fishing WorkSpace allowing to customize depth shading and contour lines											tional	
3D WorkSpace  TZ WASSP Multi-Beam		16									tio	
Connect to WASSP G1 Record depth and back Navigation data (not av Display various sonar so	or WASSP G2 or W scatter data ailable with WASSP	G1)			er Column (	(only availab	e with WASS	SP		Opt	tional	
G3) TZ DFF3D Module <sup>(5)</sup>									<b>Ø</b>	Ont	tional	
Connect to DFF3D mul Display various sonar so		on, Multi-Sou	nder, Side	Scan or Wate	er Column					υpi	. GI	
TZ Trawl Positioning M		Jou	, 2,40	. 7010	arill1				<b>Ø</b>	Opt	tional	
Connect to Marport Tra Display the net in 2D o	r 3D directly on the	chart	system wit	h 2 doors)								
	Doors COG predicte	or										
Display Doors trail and	lodule <sup>(5)</sup>								0	0	tional	

## (2) - TZ Professional can only be installed on one computer (3) - Connection to the Pilot can be done using NMEA0183 (via a Serial COM Port) or using NMEA2000 (via Actisense NGT1-USB

**Notes:** 

Gateway) (4) - TZ Navigator restricted to 30,000 marks, 200 routes (of 500 waypoints each) and 100 boundaries (5) - You must have the PBG Module first, in order to be able to acquire the WASSP or DFF3D or Bottom Hardness module.

(1) - TZ Navigator can be installed on two computers

JRC JFC-130 series (\$PJRCS sentence)

TZ VDR (Voyage Data Recorder) Module

Seascan (\$PSAP sentence)

TZ S63 ENC Module

Hondex HE-7300 Di and HE-1500 Di (\$PHDX sentence)

- The following system requirements must be fulfilled to run TZ Navigator:
- Microsoft® Windows® 7 SP1, or Windows® 8.1 or Windows® 10
- CPU 1.5 GHz • 4GB of RAM • Video Board:
- Minimum Intel HD Graphic Chipset
- o Recommended Dedicated Video Board with 1 GB VRAM or Intel HD 4th generation or above

Feel the difference with Nobeltec.

- Screen Resolution: 1024 x 600 or higher (1280 x 800 or above recommended) • Hard Disk: 30 GB of free space
- USB or Serial Port for connecting instruments via NMEA0183, Actisense USB NGT-1 for connecting instruments via NMEA2000 or 100 Base-T

• 4GB of RAM (8GB recommended)

- Network Adapter for Furuno Ethernet Sensors The following system requirements must be fulfilled to run TZ Professional:
- Microsoft® Windows® 7 SP1, Windows® 8.1 or Windows® 10 (64-bit operating system) • CPU 2 GHz Intel® Core™ i5 4<sup>th</sup> generation or equivalent
- Video Board: • Minimum - Intel HD4400 Graphic Chipset (i5 4th generation with HD4400 or above) o Recommended (for PBG and Multi monitor) - Dedicated Video Board with 1GB VRAM
- Screen Resolution: 1024 X 768 or higher (1280 x 800 or above highly recommended) • Hard Disk: 40 GB of free space • USB or Serial Port for connecting instruments via NMEA0183, Actisense USB NGT-1 for connecting instruments via NMEA2000 or 100 Base-T

Optional

Optional

Check out an excellent selection of marine electronics & navigation we offer on our website.