

WIRELESSLY MAP THE
SEAFLOOR IN 3D AND
IN REAL-TIME

W3

EXPLORE
IT ALL



SEE IT ALL

LET YOUR TENDER WIRELESSLY MAP AHEAD, WITH WASSP W3!



HOW WASSP WIRELESS WORKS

- 1 TENDER MAPS SEAFLOOR IN 3D IN REAL-TIME TO CHART SAFE PASSAGE FOR SUPERYACHT
- 2 INFORMATION IS INSTANTLY RELAYED FROM TENDER TO SUPERYACHT VIA WIFI
- 3 SUPERYACHT FOLLOWS PATH MAPPED BY TENDER FOR SAFE PASSAGE

Generate your own 3D maps in real-time with the WASSP W3 Wireless Multibeam Sounder. With wideband CHIRP technology and 224 beams, you can scan up to a 120° swathe with over 3 times the depth coverage for a complete picture of seafloor bathymetry giving you unprecedented clarity. WASSP lets you:

- SEE WHAT'S BENEATH YOUR TENDER AT UP TO 2NM, INSTANTLY, WITH STORE AND UPDATE FEATURE OUTSIDE THIS RANGE
- EXPLORE NEW TERRITORY WITH CONFIDENCE
- AVOID OBSTACLES AND ACCIDENTAL DAMAGE
- FIND THE PERFECT ANCHORAGE FOR A SUBMARINE, SCUBA DIVE, FISH, OR OVERNIGHT STAY

Plus, with the new WASSP W3P you can easily and effortlessly retrofit any vessel with only a simple bracket mount and power connection. The W3P allows for quick and easy installation on:

- SUPERYACHT TENDERS
- CRUISE SHIP SUPPORT VESSELS
- SEARCH AND RESCUE VESSELS
- COASTGUARD VESSELS

W3

EXPLORE IT ALL

GET REAL-TIME WIRELESS REMOTE MAPPING - FIXED OR PORTABLE

The W3 is accurate, versatile, easy-to-use and scalable to suit your exact needs. With WASSP 3D mapping you can accurately profile the water column and seafloor with unparalleled precision to reveal:

REEFS • WRECKS • FOREIGN OBJECTS • SEAFLOOR ARTIFACTS • FISH



THE WASSP W3

The standard WASSP W3 is permanently installed on the tender with wireless licences and hardware to interface with the mothership. The WASSP W3 has a range of possible options:

- LOW POWER / HIGH POWER
- FISHING / SURVEY RESOLUTION
- POCKET / FAIRING / POLE MOUNTED
- IP66 / STANDARD PROCESSOR
- DEDICATED / SHARED / TABLET DISPLAY
- DEDICATED CDX UI / 3RD PARTY INTEGRATION



10 GREAT BENEFITS OF A WASSP W3

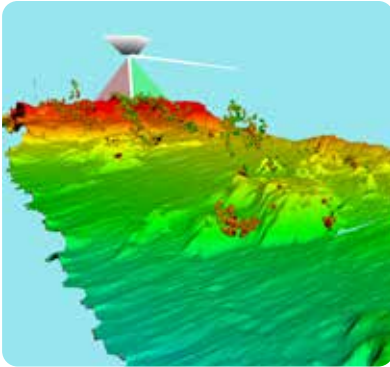
1. ANCHOR CLOSER TO SHORE WITH BETTER SAFETY AND MORE INTIMATE TRAVEL EXPERIENCES
2. FIXED INSTALL OR PORTABLE W3P
3. MAP A WIDE AREA OF OVER 3X WATER DEPTH IN A SINGLE 120° SWATH
4. LIVE FEED TO THE MOTHERSHIP – WIFI IS STANDARD, BUT ANY COMMUNICATION LINK IS POSSIBLE
5. CAN INTERFACE DEDICATED DISPLAY OR TABLET, THROUGH FURUNO TZTOUCH MFD OR 3RD PARTY SOFTWARE SUCH AS TIMEZERO PROFESSIONAL
6. STORES UP TO 32GB OF DATA WHILE OUT OF 2NM RANGE, AUTOMATICALLY UPDATING WITHIN RANGE
7. EXTREMELY ACCURATE, WITH IHO STANDARD MAPPING OPTIONS AVAILABLE
8. OPERATION AT UP TO 15 KNOTS
9. EASY W3P INSTALLATION WITH ONLY BRACKET AND POWER REQUIRED TO CONNECT WIRELESSLY TO TABLET OR COMPUTER - PERFECT FOR RETROFIT
10. CUSTOMISABLE TO MILITARY SPECIFICATIONS AS REQUIRED, AS WELL AS COMMERCIAL SPEC OPTIONS

W3P - ALL IN ONE SOLUTION

The W3P ALL-In-ONE Multibeam Sounder is designed with integrated componentry in a portable housing unit and pole - all bracket mounted for ease of installation, without the need for a fixed transducer.

High resolution real-time mapping with the convenience of an easily mounted and portable unit can now be ready to go in minutes. The W3P allows you to:

- EASILY RETROFIT EXISTING TENDERS FOR MULTIBEAM MAPPING
- INSTALL ON TEMPORARY VESSELS WITH SIMPLE BRACKET AND POWER CONNECTION
- CONNECT TO EXISTING COMPUTER OR WIRELESSLY WITH A TABLET
- COMBINE MULTIPLE TENDERS FOR FAST MAPPING OF LARGE AREAS



3D VIEW OF SEAFLOOR, INCLUDING WATER COLUMN TARGETS (FISH OR SUBMERGED BUT FLOATING DEBRIS), AS SEEN ON MONITOR.



THE WASSP W3P BRACKET MOUNT ALLOWS FOR SIMPLE AND FAST RETROFIT INSTALLATION ON A WIDE RANGE OF TENDER VESSELS.



MOTHERSHIP WITH OWN WASSP ON STANDBY OUTSIDE BAY AS TENDER WITH WASSP MAPS THE BAY, AS VIEWED IN CDX UI

W3P - AN INTEGRATED SOLUTION

The W3P is an integrated kit for mothership and tender. Designed around a mobile unit that includes a high frequency wideband fairing transducer, motion sensors, satellite compass, Wifi transmitter and wireless mothership kit. With its bracket mounted pole you can deploy the unit into the water quickly and easily to give you mapping in up to 400m depth. Understanding the sea floor in real time has never been so easy.

THE WASSP W3P PACKAGE SPECIFICATIONS

W3P POLE UNIT	INTEGRATED DRX PROCESSOR		MOTION SENSORS	
	WIDEBAND FAIRING TRANSDUCER		SATELLITE COMPASS	
	WIRELESS TRANSMITTER		MOUNTING BRACKET	
WIRELESS MOTHERSHIP KIT			EXTERNAL OMNIDIRECTIONAL MULTIBAND ANTENNA	
			EXTERNAL LONG RANGE PTP BASESTATION	
CDX OR TIMEZERO PRO	 		VISUALISATION, DATA PROCESSING & CONTROL UI	
			DATA MANAGEMENT	
			AUTOMATIC INBUILT NOTIFICATION	
WIRELESS LICENCE			LICENSE INCLUDES CAPABILITY FOR ONE TENDER AND ONE MOTHERSHIP TO TRANSMIT/RECEIVE DATA WIRELESSLY	
			ADDITIONAL VESSELS CAN BE ADDED BY ADDING LICENCES	
DURABOOK TABLET (OPTIONAL)			11.6" FHD (1920 × 1080)	
			I5, 8GB RAM, 128GB NVME PCIE SSD	
			IP65 AND MIL-STD-810G CERTIFIED	



PACKAGE OPTIONS

The W3P solution package can be configured with a number of different options depending on your current component and boat configuration. Contact us to discuss a tailored package according to your needs. Additional brackets available for secondary mounting.

W3P REMOTE MAPPING APPLICATIONS



WIRELESS MAPPING FROM SUPERYACHT TENDER

- QUICKLY GENERATE UP-TO-DATE BATHYMETRIC MAPS
- NAVIGATE AND FIND CHANNELS OR ANCHORAGE
- SUPPORT ACTIVITIES: DIVING, FISHING, ROV, SUBMARINE
- AVOID HIDDEN OBSTACLES, AVERTING POSSIBLE DAMAGE



EXPLORATION

- ACCURATELY MAP NEWLY DISCOVERED LOCATIONS
- GET 3D IMAGES OF WRECKS, OBJECTS AND FEATURES
- FIND SAFE CHANNEL THROUGH CORAL REEFS
- GET CLOSE TO THE ACTION AND FIND BEST ANCHORAGE



DISASTER RECOVERY & SAR

- FIND TARGETS QUICKER WITH BETTER COVERAGE
- UNDERSTAND SEAFLOOR CHANGES AFTER NATURAL DISASTERS
- ENSURE TIME CRITICAL, SAFE AND DISCREET MAPPING
- QUICKLY DEPLOY ON A RANGE OF VESSELS



SPORT FISHING

- LOCATE AND MAP BAIT FISH SHOALS QUICKLY
- PRESENT YOUR LURES AND BAIT WITH GREAT ACCURACY
- SHARE HABITAT DATA WITH OTHER BOATS AND CLIENTS
- EASILY RETROFIT VESSELS FOR CHARTER, LEASE OR RENTAL

FULL SPECIFICATIONS	W3P
TRANSCIEVER TYPE	INTEGRATED DRX-32
CURRENT TRANSDUCER SUPPORT	WIDEBAND FAIRING TRANSDUCER
MINIMUM DEPTH/M	1M
TYPICAL DEPTH 1/M (90° OR 2:1)	300M
MAX DEPTH 2/M (53° OR 1:1)	350M
SOUNDER DEPTH 3/M (NADIR)	400M
SWATHE COVERAGE (UP TO)	120°
DETECTION POINTS	224 (0.54° OVER 120°)
SIGNAL TYPE	FM/CW
DEFAULT CENTRE FREQUENCY	160KHZ
CENTRE FREQUENCY RANGE	120-160KHZ
MAXIMUM CHIRP FREQUENCY RANGE	+/-30KHZ
FREQUENCY FROM	90-190KHZ
BANDWIDTH (UP TO)	60KHZ
RANGE RESOLUTION (MAX)	2CM
BEAM WIDTH PORT/STARBOARD	4.5° (3.6° @200KHZ)
BEAM WIDTH FORE/AFT	3.2° (2.6° @200KHZ)
SOUNDER BEAMS	CONFIGURABLE 5-60°
DC INPUT	9-32V
WIRELESS ANTENNA KIT	INTEGRATED
POWER CONSUMPTION (MAX)	36W
DATA CONNECTION	GBE
OPERATING TEMPERATURE	0° TO 50°
ENVIRONMENTAL STANDARDS	IEC60945, MIL-STD-901

PC	RECOMMENDED
OS	WINDOWS 10, 64 BIT
CPU	3GHZ, 4 CORES/4 THREADS
MEMORY	16GB
GRAPHICS	DIRECTX11
SCREEN RESOLUTION	FHD-1920 X 1080
HDD/SSD	2TB
NETWORK	ETHERNET-GBE, WIFI-802.11AC
DUAL SCREEN	YES
FEATURES	W3P
INCLUDED	BATHY - 2D/3D SONAR SOUNDER - QUINTBEAM PPS
LICENCED (INDICATIVE LIST ONLY)	CDX OR TIMEZERO PRO BACKSCATTER SIDESCAN WATER COLUMN TARGETS RTK TIDES SURVEY WMBF, XYZ AND GSF DATA EXPORT WIRELESS LICENCE



SEE IT ALL

ALWAYS GOING BEYOND

WASSP is part of the ENL Group. With more than 75 years experience, we're world leaders in marine sounder, radar and communications.

Based in the marine nation of New Zealand, which has one of the world's largest marine economic zones, ENL invests heavily in R&D to constantly push the boundaries. We develop software and hardware solutions for defence, seabed surveying and mapping, superyachts, commercial fishing and workboats.

Our passion and commitment to real innovation is what sets us apart. We consistently bring game-changing technology to market, with cost-effective products that are easy to operate to make your life at sea easier.

OUTFIT YOUR FLEET WITH WASSP W3 NOW!

To add WASSP technology to your operations, contact sales@wassp.com

UK OFFICE

BLACKWATER MARINA, ESPLANADE
MAYLANDSEA, ESSEX, CM36AL, UK

AUCKLAND HEAD OFFICE

46 HILLSIDE RD, WAIRAU
VALLEY
AUCKLAND, NEW ZEALAND
+64 9 373 5595

TRAINING CENTER

14/150-160 BEAUMONT ST
AUCKLAND, NEW ZEALAND
+64 9 980 0291

NELSON OFFICE/SHOWROOM

78 VICKERMAN ST, PORT NELSON
NELSON, NEW ZEALAND
+64 3 548 4987

SALES@WASSP.COM | WWW.WASSP.COM



A FURUNO COMPANY