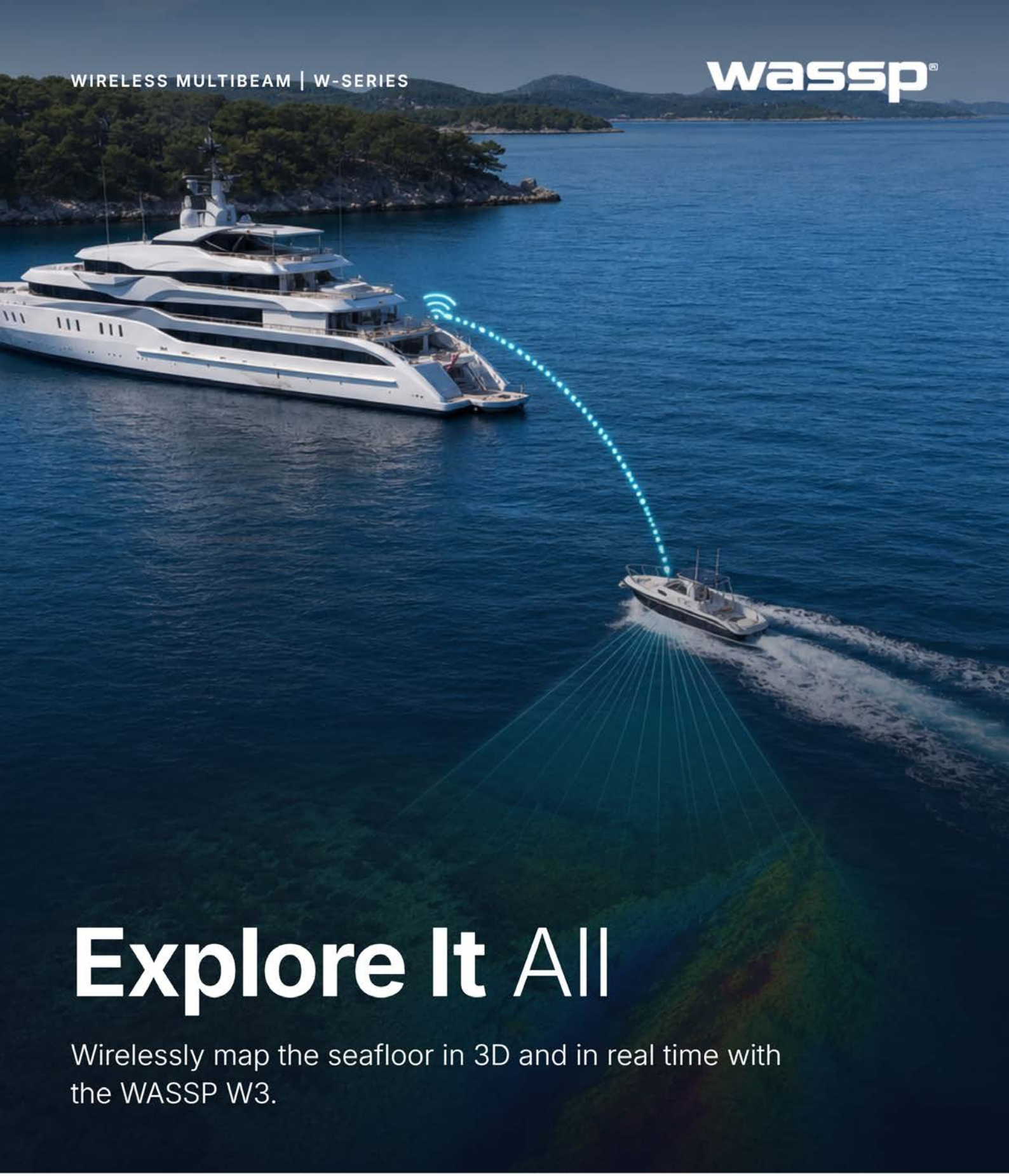


WIRELESS MULTIBEAM | W-SERIES

wassp®

Explore It All

Wirelessly map the seafloor in 3D and in real time with the WASSP W3.

W3

WIRELESS MULTIBEAM SOUNDER

wassp.com

WIRELESS MULTIBEAM

Let Your Tender Map Ahead

Generate your own 3D maps in real time with the WASSP W3 Wireless Multibeam Sounder. Wideband CHIRP and 224 beams scan a swath of up to 120° — over three times water depth — for a complete picture of the seafloor.

WITH WASSP W3 YOU CAN

01 See what's beneath your tender at up to 2 NM, instantly — stored and updated outside this range

02 Explore new territory with confidence

03 Avoid obstacles and accidental damage

04 Find the perfect anchorage for a submarine, scuba dive, fishing or an overnight stay



HOW WASSP WIRELESS WORKS

01 The tender maps the seafloor in 3D, in real time, to chart safe passage.

02 Data is relayed instantly from tender to superyacht via WiFi.

03 The superyacht follows the path mapped by the tender.

RETROFIT ANY VESSEL WITH THE W3P

The portable W3P needs only a simple bracket mount and a power connection — quick to install on superyacht tenders, cruise ship support, search and rescue, and coastguard vessels.



Superyacht Tenders

Quickly generate up-to-date bathymetric maps

Find channels and anchorage



Exploration

Accurately map newly discovered locations

3D images of wrecks, objects and features



Disaster Recovery & SAR

Find targets quicker with better coverage

Understand seafloor change after natural disasters



Sport Fishing

Locate and map bait fish shoals quickly

Present lures and bait with great accuracy

THE WASSP W3

Real-Time Wireless Mapping. Fixed or Portable.

Accurate, versatile, easy to use and scalable, the W3 profiles the water column and seafloor with exceptional precision to reveal:

Reefs **Wrecks** **Foreign Objects** **Seafloor Artefacts** **Fish**

10 BENEFITS OF A WASSP W3

01 Anchor closer to shore, more safely, for more intimate travel experiences

02 Fixed install, or the portable W3P

03 Map over 3× water depth in a single 120° swath

04 Live feed to the mothership — WiFi as standard, any communication link possible

05 Dedicated display or tablet, Furuno TZtouch MFD, or third-party software such as TimeZero Professional

06 Stores up to 32 GB of data out of 2 NM range, updating automatically within range

07 Extremely accurate, with IHO-standard mapping options available

08 Operation at up to 15 knots

09 Easy W3P install — only a bracket and power to connect wirelessly to a tablet or computer

10 Customisable to military specifications, with commercial-spec options

W3P ALL-IN-ONE

Portable Multibeam, Ready in Minutes

The W3P integrates its componentry in a portable housing and pole, bracket mounted for easy installation with no fixed transducer. High-resolution, real-time mapping ready to go in minutes.

THE W3P LETS YOU

01 Easily retrofit existing tenders for multibeam mapping

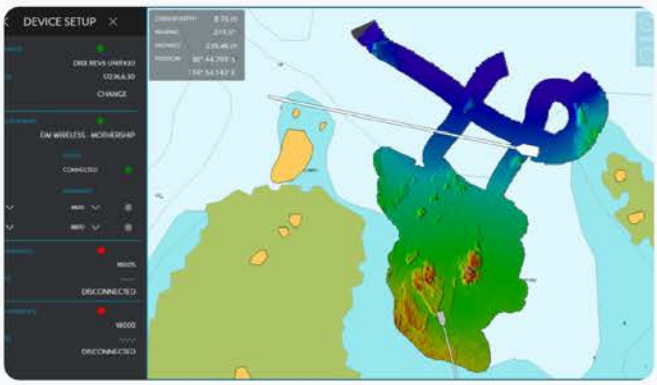
02 Install on temporary vessels with a simple bracket and power connection

03 Connect to an existing computer, or wirelessly to a tablet

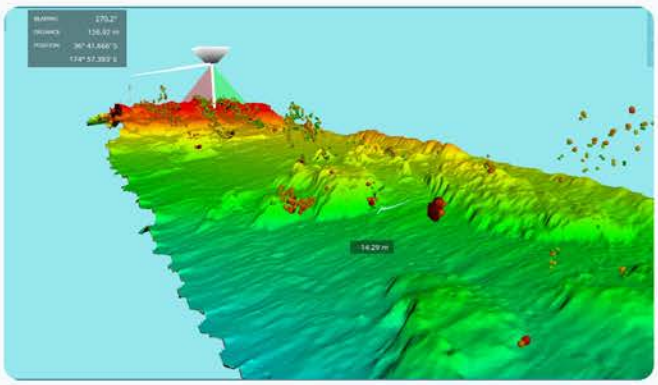
04 Combine multiple tenders for fast mapping of large areas



W3P POLE UNIT



The mothership waits outside the bay while the tender maps it, viewed in CDX.



3D seafloor with water column targets — fish or floating debris — on the tender's monitor.

SPECIFICATIONS

W3Pi Package

W3P POLE UNIT

- Integrated DRX processor
- Wideband fairing transducer
- Wireless transmitter
- Motion sensors and satellite compass
- Mounting bracket

WIRELESS MOTHERSHIP KIT

- External omnidirectional multiband antenna
- External long-range PTP basestation

WIRELESS LICENCE

- One tender and one mothership; add vessels with extra licences

DURABOOK TABLET (optional)

- 11.6" FHD (1920 × 1080)
- i5, 8 GB RAM, 128 GB NVMe PCIe SSD
- IP65 and MIL-STD-810G certified

CDX OR TIMEZERO PRO

- Visualisation, data processing and control UI
- Data management and automatic notifications

Packages can be configured to suit your current components and vessels. Contact us to discuss a tailored W3Pi package.

W3P Technical Data

SYSTEM & DEPTH

Transceiver	**Integrated DRX-32**
Transducer support	**Wideband Fairing**
Minimum depth	**1 m**
Typical depth[1] (90° or 2:1)	**300 m**
Max depth[2] (53° or 1:1)	**350 m**
Sounder depth[3] (nadir)	**400 m**
Swath coverage (up to)	**120°**
Detection points	**224 (0.54° over 120°)**
Sounder beams	**Configurable 5–60°**

ACOUSTICS

Signal type	**FM/CW**
Default centre frequency	**160 kHz**
Centre frequency range	**120 – 160 kHz**
Max CHIRP range	**±30 kHz**
Frequency range	**90 – 190 kHz**
Bandwidth (up to)	**60 kHz**
Range resolution (max)	**2 cm**
Beam width port/stbd	**4.5° (3.6° @ 200 kHz)**
Beam width fore/aft	**3.2° (2.6° @ 200 kHz)**

POWER & ENVIRONMENT

DC input	**9 – 32 V**
Power consumption (max)	**36 W**
Data connection	**GbE**
Wireless antenna kit	**Integrated**
Operating temperature	**0° to 50°**
Environmental standards	**IEC60945, MIL-STD-901**

RECOMMENDED PC

OS	**Windows 10, 64-bit**
CPU	**3 GHz, 4 cores / 4 threads**
Memory / storage	**16 GB / 2 TB**
Graphics	**DirectX11**
Screen	**FHD 1920 × 1080, dual**
Network	**GbE, WiFi 802.11ac**

INCLUDED FEATURES

Bathy 2D/3D · Sonar · Sounder (Quintbeam) · PPS · CDX or TimeZero Pro

LICENSED FEATURES (indicative)

Backscatter · Sidescan · Water column targets · RTK Tides · Survey · WMBF, XYZ and GSF data export · Wireless

Specifications such as depth may vary as are highly dependent on external factors such as environmental conditions and installation. WASSP products should only be used as aids to navigation and not as a replacement for traditional techniques or aids.

wassp®

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EXPLORE THE W-SERIES