



AD NAVIGATION

SPECIALIST IN PRECISE GNSS NAVIGATION

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XR2

THE MOST ACCURATE PPU ON THE MARKET NOW 75 % LESS IN VOLUME

To meet the exacting demands of navigating and docking large vessels, the measurement of low speed, precise heading and Rate of Turn is of outmost importance to the Pilot. And when size and weight are almost as important, the 2nd edition of the 100 % wireless ADX XR Concept – the XR2 is now smaller, lighter, more rugged and even more durable.

The XR2 system derives measurements using state-of-the-art GPS/GLONASS/BeiDou and Galileo Real Time Kinematic (RTK) techniques along with extremely accurate and fully independent RoT sensors.

MORE COMPACT AND STILL WIRELESS

XR2 is a wireless Potable Pilot Unit (PPU) sensor that communicates with the Pilots portable ECS system via standard wireless technology. The complete system comprises of only three small, light, ruggedized POD units, making it ideal for transportation and operation under various conditions.

UNIQUE INTERPOD UHF NETWORK

XR2 employs robust UHF network communication between the XR2 PODs to boost the signal penetration. By this, any problems with system communication because of interference or challenging ship structures are history.

PUT IT IN YOUR POCKET

We have listened to every Pilot we have met, and everyone says that size and weight do count. We have now reduced the size of nearly 75 % in volume, which means that the size is smaller, the weight is lighter, and the battery life is almost unheard of.



24 HOURS!
BEST IN CLASS
PUT IT IN
YOUR POCKET



BENEFITS

For maximum safety and efficiency during maneuvering
No Cables / No Connectors
Tracking all satellites by default: GPS/GLONASS/BeiDou/Galileo Installed and operational in seconds.

PERFORMANCE:

Bow and Stern speed:	1 cm/sec (0.02 knots)
Heading Accuracy:	0.01° *
Rate of turn:	0.05°/min
Position Accuracy:	1 cm (RTK mode)
Vertical:	2 cm (RTK mode)

FEATURES:

Weight of system w/o laptop:	3 x 600 gram
Dimension each pod (L x W x H):	10 x 10 x 5 cm
Battery Life	24 Hours
Wireless standard:	WLAN 802.11b/g/n
Ingress Protection Rate:	IP67

WLAN Range: 200 M – Line of sight (MPU to Tablet)

UHF Range: 500 M – Line of sight (Pod to Pod)

Integrated 4G/5G modem for RTK and IoT applications.

APPLICATIONS

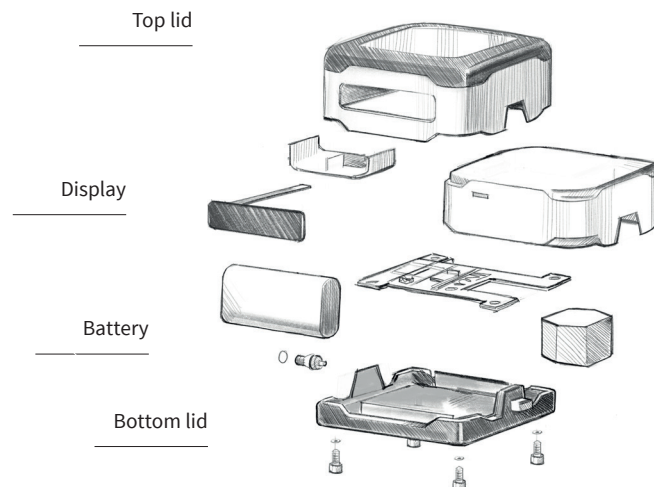
Laser Docking Replacement
Precise maneuvering and docking
FPSO and SPM Operations
Vessel Trails
Rig Move
Ship to Ship Operations
Lock approach

SOFTWARE

The XR2 is compatible with all
Multi-Platform Pilot Software
Packages on the market.

Among others:

- Orca Pilot X
- SEAiq
- Wärtsilä Pilot Pro
- Qastor



* At 20-meter Baseline