www.adnav.com
N, 59°16.274' E, 10°26.156'

A Sixth Sense for Tight Turns

N 59° 16.274' E

ADX XR Lite

THE MOST RELIABLE PPU FOR NAVIGATION IN CONFINED WATERS

Lightweight, easy to set up Portable Pilot Unit system with accurate Heading, Rate of Turn and Speed. The perfect tool for the pilot's daily tasks.

AD NAVIGATION

SPECIALISTS IN PRECISE GNSS NAVIGATION

The Most Reliable PPU for Navigation in Confined Waters

For centuries pilots performed a challenging task using their senses and in-depth local knowledge. With the lightweight ADX XR Lite in the backpack, the pilots have a sixth sense available at a reasonable cost.

The ADX XR Lite is designed to provide highly accurate and reliable navigation data for safe and efficient maneuvering at a lower price point. Easy to install, the system is mobilized within a couple of minutes. ADX XR Lite offers the Long Heading Baseline which provides unmatched heading accuracy. Heading is the most important observation for the ship positioning and path prediction.

The complete system is wrapped in three small and rugged pod housings, communicating internally and to the Pilot Laptop via wireless systems. ADX XR Lite derives data based upon the seamless integration of both GPS and GLONASS dual frequency signals. Independent observations from state of the art Rate of Turn sensor makes the picture complete.

ADX XR Lite is offered in various positioning computation modes: Uncorrected GPS/GLONASS, DGPS or DGPS/DGLONASS.

At any time after the purchase, ADX XR Lite can be upgraded to the high end and RTK based ADX XR PPU system.

PERFORMANCE:	
Position Accuracy	0.5 m with local DGNSS corrections 0.8 m with SBAS DGPS signals 1-2 m uncorrected GPS/GLONASS
Bow and Stern Speed	2-3 cm/sec (0.05 kn)
Heading accuracy	0.01 deg (20 m baseline)
Rate of Turn	0.1 deg/min
FEATURES:	
Weight of system w/o laptop	4.2 kg
Dimension each pod (L x W x H)	14 x 14 x 10 cm
Robustness (drop test)	1.5 m to concrete
Battery life	12 hr
Wireless standard	WLAN 802.11b/g
Integrated power management and charger intelligence	
BENEFITS:	
For maximum safety and efficiency during maneuvering	
No Cables / No Connectors	
GPS and GLONASS satellite tracking, prepared for Galileo	
Installed and operational within a few minutes	
AIS and VTS traffic image available	
APPLICATIONS:	
Docking and Lock approach assistant	
Precise maneuvering	
Vessel trails	
FPSO and SPM Operations	

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