

Shadow NAV

Diver navigation module designed for use in low visibility conditions



Shadow NAV



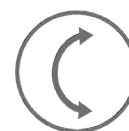
KEY FEATURES



Clear visual display



CR2 battery
8+ hours life



Up / down
visor position



Depth 34m
(110ft)

PRODUCT OVERVIEW

The Shadow NAV is a micro display module which mounts on the side of a low-volume dive mask allowing hands-free navigation diving capability. The display can be flipped up and down allowing the diver to see vital readings as required while maintaining freedom of movement.

The system can be switched on and off by the diver and the display brightness can be adjusted. Low light characters reduce light signature and preserve the diver's night vision.

The screen displays compass heading with navigation lock, diver depth (in either feet or metres), time in minutes and seconds and a remaining battery life icon.



REQUIREMENT

Military combat divers often conduct underwater missions in hazardous and zero visibility conditions. Critical to mission success is having accurate underwater compass and depth readings to assist with navigation while minimising the risk of detection.

Traditional compasses can be virtually useless in these conditions even with auxiliary illumination.

SOLUTION

Shadow NAV is a unique optical display module which provides a clear visual display to divers even in poor visibility environments.

The Shadow NAV has been developed as part of a collaboration between JFD and the US Navy, Naval Surface Warfare Centre, Panama City Division (NSWCPCD). The project started in direct response to industry requirement and US Navy technical development team worked closely alongside military divers to develop a practical solution which has both military and non-military applications.

JFD has over 30 years experience developing market leading products for both the military and commercial diving industries and so was the ideal partner to further develop the technology and create a product fit for market.

The product was awarded the 2018 Excellence in Technology Transfer Award by the Federal Laboratory Consortium (FLC).

ORDER CODES

P/N: **DB1002502** - Shadow NAV