

Mission Specialist Defender ROV

Complete efficient operations using an observation class ROV



Oceaneering provides a utility-based observation system with the VideoRay® Mission Specialist Defender ROV. The Defender can be used for a variety of services including NDT, general and close visual inspections, and cleaning operations. The Defender base platform is designed to integrate NDT (non-destructive testing) and CP (cathodic protection) tooling. With a small, lightweight profile body, the system can be launched by hand or by davit/crane. It can be easily set up and handled by a two or three person crew. The Defender ROV requires minimal deck space, reduces mobilization costs, and reduces POB offshore.

FEATURES

Provides easy access to difficult-to-access areas (moonpools and center wells)

Generates high-definition footage in real time

Portable, cost-effective, and easily deployed

Mission Specialist Defender ROV

Complete efficient operations using an observation class ROV

The Defender includes an HD camera and is equipped with LED lights to support GVI/ CVI scopes of work. The system is flexible and includes an adaptable topside supplied water blaster. Additional accessories include:

- » Rotating manipulator with interchangeable heads that include multiple jaw sizes and a cutting tool
- » Sonar
- » Pan and tilt system
- » Lightweight tooling options
- » Ultrasonic testing (UT) tooling
- » Cathodic protection (CP) tooling (contact and proximity)
- » Flooded member detection (FMD) tooling
- » 3D photogrammetry tooling

The unit is adaptable and can be launched from platforms such as vessels, fixed leg platforms, spars, tension leg platforms (TLPs), semi-submersibles, floating production, storage, and offloading vessels (FPSOs), and docks.

Technical Data

| | |
|------------------------|---|
| Dimensions (L x B x H) | 29.6 x 15.5 x 10.5 in / 75.2 x 39.4 x 26.7 cm |
| Weight | 33 lb / 17.2 kg |
| Depth Rating | 3,280 ft / 1000 m |
| Power Requirements | 110 / 220 v : 50 / 60 htz |
| Tether Length | 500 ft / 150 m |



- VideoRay® is a registered trademark of VideoRay LLC.