

Centurion HD

Work Class ROV

i-Tech⁷



The Centurion HD evolved from the well-known Centurion Work Class ROV, building on technology and expertise gained from decades of operations in the harsh environments of the North Sea.

The 125hp system with vectored thrusters results in increased power and reliability, making the Centurion HD the WROV of choice for shallow water drill rig and vessel support programmes.

Key elements include:

- 1,000m and 1,500m depth rating options
- 125hp hydraulic power unit
- 2,500kg in air weight
- 200kg payload
- 4 vectored horizontal and 2 vertical Curvetech thrusters
- Up to 6 cameras available
- Top hat tether management system

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PRODUCT OVERVIEW

Specifications

DIMENSIONS & WEIGHTS

Length	2,400mm
Width	1,730mm
Height	1,680mm
Weight in Air	2,500kg
Through Frame Lift Capacity	2,670kg
Payload	200kg
Depth Rating	1,000msw or 1,500msw

PROPULSION SYSTEM

The vehicle is propelled by 4 vectored horizontal and 2 vertical Curvetech thrusters

Horse power	125hp/93kW
Forward	>560kgf
Vertical	>350kgf
Lateral	>560kgf
Thruster configuration:	Four horizontal vectored Two vertical

VIDEO SYSTEM

Standard Recording Format	DVD
6 off SD cameras	
Focus zoom control on two channels	

CONTROL SENSORS

Auto heading	+/- 1.0°
Auto depth	+/- 0.01%
Auto altitude (optional)	+/- 0.025%

VEHICLE CONTROL SYSTEM

128 Channel analogue with Fibre optic video
10 off serial RS232 channels

GYRO FOG SYSTEM

Standard	Tritech iGC/iFG
Optional	CDL TOGS or Oceantools FOG

INDICATION SENSORS

Heading	1.0°
Pitch & roll	1.0°
Water ingress	
Low oil alarm	
Hydraulic temperature	
Hydraulic pressure	
Line insulation monitoring	
Vehicle turns	

MANIPULATORS

Right-hand	
- Conan 7P as standard	
- T4 Optional	
Left-hand	
- Rigmaster 5F as standard	
- Atlas 7R or Conan 7R as option	

FIBRE OPTIC SYSTEM

6 SD cameras as standard
10x RS232 data channels as standard

SONAR

Tritech DST as standard

TETHER MANAGEMENT SYSTEM (TMS)

Top-hat or garage
Optional powered TMS

TETHER CAPACITY

- Standard	400m
- Optional	600m or 1,000m

ELECTRICAL SUPPLY REQUIREMENTS

Control Cabin	230KVA @ 380-480VAC
LARS	150KVA @ 380-480VAC

For further information contact: i-techproposals@subsea7.com