

# Centurion QX

Work Class ROV

i-Tech<sup>7</sup>



The Centurion QX is an evolution of i-Tech's highly successful Centurion Work Class ROV series. Purpose built for deepwater drill rig and vessel support projects, the Centurion QX marries field proven design with updated propulsion and control system technology.

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PRODUCT OVERVIEW

Key elements include:

- 2,000m and 3,000m depth rating options
- 125hp or 150hp options
- 2,900kg in air weight
- >300kg payload
- 4 vectored horizontal and 3 vertical Curvetech thrusters
- Up to 6 cameras available with dual channel HD video and 3D video optional
- Station keeping option
- Top hat or free-swimming options

Deeper Challenges, Wider Horizons

# Specifications

## DIMENSIONS & WEIGHTS

Length	2,500mm
Width	1,700mm
Height	1,700mm
Weight in Air	2,900kg
Through Frame Lift Capacity	2,000kg
Payload	>200kg
Depth Rating	2,000msw or 3,000msw

## PROPULSION SYSTEM

The vehicle is propelled by 4 vectored horizontal and 3 vertical Curvetech thrusters

Horse power options	125hp/93kW 150hp/110kW
Forward (150hp)	>700kgf
Vertical (150hp)	>350kgf
Lateral (150hp)	>700kgf
Thruster configuration:	Four horizontal vectored Three vertical

## VIDEO SYSTEM

6 off SD cameras  
Focus and zoom control  
Dual HD and 3D video optional

## CONTROL SENSORS

Auto heading	+/- 0.5°
Auto depth	+/- 0.01%
Auto altitude (optional)	+/- 0.025%
Station keeping option	

## VEHICLE CONTROL SYSTEM

DVECS II - QNX based distributed network control

## 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

Focal 903  
6 SD cameras as standard  
12x RS232 and 8 x RS485 data channels as standard  
Ethernet option  
Full fibre diagnostic capability  
CWDM capability optional

## SONAR

Tritech DST as standard  
3D Blueview optional

## 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

## TOOLING INCLUDED

LP Water Jetting System  
Sediment Displacement Pump  
1.5" Hydraulic Cable Cutter  
1.5" Softline Cutter  
Hydraulic Rotary Cutter / Grinder / Brush Unit  
Deck HPU

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