



24 Hour Global Response

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Neptus Wireless Subsea Camera

EV has launched the world's first Wireless Subsea Camera (WSC). The camera can stream live video over distances up to five meters back to a pick-up point such as an ROV or hardwired receiver. Applications include providing multi-perspective views of complex operations such as subsea tooling intervention, construction and remote monitoring of subsea equipment.

The wireless component of the Subsea Camera uses RF communication technology developed by a specialist in the field, WFS. This has been combined with EV's expertise in camera technology. The battery powered camera and receiver can be easily deployed by ROV or attached to subsea hardware allowing operators to reduce risk and operating time.

There are a number of subsea applications where the Neptus WSC can be used, reducing the requirement for an additional ROV, or improving the reliability and reducing the duration of a subsea operation. These include:

- ROV Operations – providing a wider perspective view of subsea ROV operations
- Making up subsea connections between jumpers and manifolds, risers and templates or vessels. Anywhere that multiple views or perspectives are required in order to bring together two or more items, currently achieved using a second or third ROV
- Tooling/Subsea Controls Applications – providing an additional view of the operation such as subsea intervention around templates or wellheads and valve manipulation, confirming that turning the handle results in the movement of the valve stem
- Remote Subsea Monitoring – transmitting visual data, for example leak monitoring, structural assessments from remote locations where cabled solutions are not practical

The Mark I tool will be released for commercial use in June 2011 and will be followed in January 2012 with a Mark II version with increased pressure rating, longer subsea life and pan & tilt/zoom capability and with a wireless range of up to 10 m.



Specifications

Size	400 x 400 mm
Pressure rating	1500 m (150 bar or 2175 psi)
Wireless Range	Up to 5 m
Max operating temperature	125°C (257°F)
Camera	Color and B&W
Recording time	Up to 10 hours
Power	Rechargeable
Connection	To suit various ROVs