



24 Hour Global Response

(885) EV OPTIS

www.evcam.com

Neptus RD60/RD53

EV delivers services for the internal and external visual inspection of risers, caissons and pipelines. The information provided in these inspections can be used to support Risk Based Inspection (RBI) programmes and fitness for purpose assessments. The camera based inspection tools can provide full 360° and forward facing surveys.

The down and side view tools can be supplied with internal lights that are a combination of white and ultraviolet LEDs and this can give the option of using Fluorescein dye penetrant to identify or confirm the location of a crack or fracture.

EV's existing inspection tools can be used on systems from 3" up to 15". Deployment systems are available to extend the inspection from the vertical into the horizontal section of risers and around bends. Larger diameter risers or caissons can also be inspected but may require some up front engineering. We can also offer specialized bespoke systems for unique applications.

Inspection tools are rated up to 4500 psi and therefore can be used in flooded or non-flooded environments. Using cameras with positioning/indexing data it is possible to collect data annually to allow condition monitoring or trending of defects due to erosion or corrosion.

Examples of previous riser and caisson inspections include:

- Caisson visual condition assessments
- Riser leak inspections, including a UV light and Fluorescein dye to assist location
- Annual inspections to permit continued riser corrosion trending
- Riser Caisson and internal riser inspection
- Internal damage surveys on flexible risers



Specifications

Camera	Forward View and Side View (360°)
Depth Rating	4500 psi
Tethered inspection length	Up to 1000 m (3300 ft)
Deployment	Can navigate 3D and 5D Bends
Max operating temperature	50°C (122°F)
Camera	Color
Recording time	Real Time/Memory
Power	Umbilical/ Rechargeable
Connection	Various