



24 Hour Global Response

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Optis™ RT120

The Optis™ RT120 real time camera is a continuous rotate and tilt camera with an unrivalled track record in wellbore operations. It provides full hemispherical viewing via continuous 360° variable speed rotate and tilt with on-screen display of the camera position. Twin cameras provide low light monochrome and high definition colour images. Infinitely variable LED lighting allows enhanced imaging capability in low visibility fluids.

The Optis™ RT120 is typically deployed on drill pipe in order to provide flushing capability but it can also be deployed on a tugger line or umbilical.

The Optis™ RT120 drill pipe running tool allows the flushing of a clear fluid in the zone of interest thus ensuring a quality picture whatever the wellbore fluid. The running tool has an integral dome protector which also acts as a delivery method for controlled flushing operations. The protection frame offers maximum protection while minimising the reduction in viewing area. Up to 10 barrels per minute of clear flushing fluid can be pumped through the running tool.

Connection from the camera to the surface control unit is via an umbilical which is typically strapped to the outside of the pipe. The surface master control unit provides the operator with full control of the camera including 3-axis movement, auxiliary camera switching and lighting control.

The Optis™ RT120 system including drill pipe running tool can be mobilised by helicopter or any other means.

The range of applications for the Optis™ RT120 includes the inspection of:

- Subsea wellhead profiling
- Subsea horizontal tree crown plug seal faces
- BOP internals
- Thread and seals
- Dropped objects and fishes
- Milled or cut pipe faces



Specifications

Diameter	120 mm
Length	280 mm
Pressure rating	3000 psi
Max operating temperature	50°C
Hazardous operating zone	Zone 2

Drill Pipe Running tool

Length	670 mm
Diameter	170 mm
Connection	4 ½" API IF box-up
Flushing rate	10 barrels per minute