Down-View and Side-View Camera

A downhole camera can provide valuable information about a wellbore obstruction or wireline fish, allowing operators to fully understand the challenges they are facing. Validating downhole conditions can help determine the best course of action, increasing the likelihood of a successful intervention while reducing the operator's overall risk and associated costs.

Operational depths up to 30,000 ft (9000 m) of 7/32-in. wireline are possible. With a wireline unit already on-site or nearby, the tool and top-side electronics are small enough to be transported by air to a jobsite, greatly reducing intervention time.

Imagery and telemetry data from the tool are transmitted to the top-side receiver in real time. A viewer allows the opportunity to easily browse and interpret well imagery.

Cracked casing

The camera is able to operate from the vast majority of electric line cable used in the oil and gas industry, whether single or multiconductor wireline.

Other advanced features of the tool:

- Variable transmission bandwidth copes with exceedingly long line lengths
- Bidirectional communications allow the tool to be controlled from the surface
- A digital telemetry channel transmits auxiliary sensor data

Unique to this camera is the ability to buffer up to 30 seconds of full-frame rate (30 fps) video in the tool. These images are then transmitted to the surface at the “normal” rate of approximately one image per second, but the result is a 30-second video clip of conditions downhole. This feature allows the camera to be deployed for inspections where a fiber system previously would have been the only option.

The side-view camera has a downhole lens built into the camera, so images captured at the area of interest can be in both views. The operator may choose either view at the click of the mouse, allowing the switch to take place momentarily without powering down the tool. During the interpretation, this will aid in the identification of what is seen.
Applications
- Mechanical inspections for parted tubing, corrosion, obstructions, and restrictions
- Wireline and drilling fishing operations
- Gas lift and SCSSV inspection
- Survey of scale and organic buildup
- Determination of water intrusion
- Checking sand screens and slotted liners for wear, plugging, and buildup

Benefits
- Portable system
- Provides real-time imagery of well conditions
- Deployable on most single and multiconductor electric line
- Can significantly reduce operator intervention costs

Common Features
Other configurations include:
- High pressure (15,000 psi with 1.75-in. OD)
- High temperature (350°F / 175°C)

Down-View and Side-View Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Temperature Rating</th>
<th>Pressure Rating</th>
<th>Tool Diameter</th>
<th>Tool Length</th>
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</thead>
<tbody>
<tr>
<td>Temperature Rating</td>
<td>257°F (125°C)</td>
<td>10,000 psi (69 MPa)</td>
<td>1-11/16 in. (43 mm)</td>
<td>141 in. (3.58 m)</td>
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<tr>
<td>Pressure Rating</td>
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<td>Tool Diameter</td>
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<td>Tool Length</td>
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<tr>
<td>Tool Length without Centralizer</td>
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<td>103.5 in. (2.62 m)</td>
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<tr>
<td>Tool Weight</td>
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<td></td>
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<td>50.0 lb (23.4 kg)</td>
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For additional information, please contact your local Halliburton Business Development Representative.