

### DHV Hawkeye III Camera

DHV Hawkeye III video system is a portable video inspection system which incorporates technology that allows it to operate on virtually any conventional single or multi-conductor wireline cable in addition to fibre optic cable.

In high temperature, flaked form, the Hawkeye III video system is capable of deployment in wells up to 350°F



#### Applications

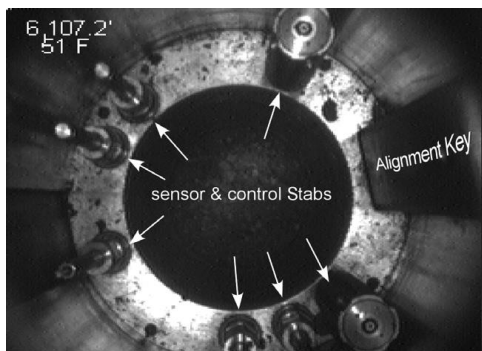
<b>Casing/Well integrity monitoring</b>	Parted/split casing, casing collapse, leak detection, regulatory inspection
<b>Production monitoring</b>	Fluid movement, fills, zonal/layer contribution and fracture identification
<b>Casing/downhole inspection</b>	Casing condition, corrosion monitoring, sand/scale/mineral deposits, obstructions/restrictions, plugged perforations, perforated hole size measure, gas lift valves, SCSSV valves
<b>Operational verification</b>	Fishing aid, whipstock position, window cuts/mill, drilling lateral, liner top and BOP rams

#### Benefits

- Obtain instant visualisation of downhole conditions at and below the camera.
- On-board temperature sensor
- Combined with multi-finger calipers for visual and actual measurements

#### Features

- Highly portable/mobile DHV camera
- View images while logging (E-line)
- Operates on conventional E-line cable
- Memory on Slickline and E-line Interactive control to search for images (E-line)
- Survey horizontal wells (e-coil, pump-down, or tractor)
- Survey wells with H<sub>2</sub>S/CO<sub>2</sub>



A deep-water operator in the Gulf of Mexico sought to ensure there was no debris on the shoulder of the sensor and control stabs in the tubing hanger of this subsea wellhead. Any debris could damage the stabs during the latch up which would require pulling the entire completion for repair. The image shows the shoulder free of debris and was used to align the connection before latching.

### System specifications

Description	Fibre optic video system	Low temp HawkEye	High temp HawkEye
Tool O.D.	1 11/16" (43 mm )	1 11/16" (43 mm )	2 1/8" (54mm )
Max. temp	225°F (107°C)	225°F (107°C)	350°F (177°C) 4 hrs cont
Max. pressure	10,000 psi (69 MPa)	10,000 psi (69 MPa)	10,000 psi (69 MPa)
Tool length	102" (2.59 m)	102" (2.59 m)	140" (3.56 m)
Tool weight	31 lbs (14 kg)	31 lbs (14 kg)	65 lbs (29 kg)