



THE DOWNHOLE VISUAL
ANALYTICS COMPANY

OPTIS[®] R125

The Optis[®] Real-Time video system is the industry benchmark in downhole video technology providing vivid, full colour video at up to 25 frames per second on any mono or multi-conductor cable.

Operating at over 375 kbps, video compression technology and error correction are combined to deliver industry leading video quality. It is this same bespoke telemetry system that now allows multiple wellbore measurements to be acquired simultaneous to video footage. EV are in a unique position to offer real-time, surface read-out measurements of wellbore pressure, temperature, gamma ray and casing collar locator simultaneously with video, providing a robust and complete solution to well diagnosis problems.

Optis[®] Real-Time cameras are also deployable on e-coil and e-line tractor. The capability to transmit continuous high quality video while tractoring (VWT), allows customers to optimise operations, reduce cost and minimise risk.

EV's downview lighting uses the latest in LED technology combined with an optimised lens to give unrivalled image quality even in marginal fluid conditions. The LED light intensity can be adjusted to maximise clarity in a wide range of wellbore scenarios. The LED technology is rugged, minimising susceptibility to shock loading. The modular design means that the Optis[®] R125 camera can be run with sideview, downview or both. This capability along with the addition of wellbore measurements put EV's Optis[®] R125 camera to the forefront of downhole video technology.

Features:

- Downview and sideview colour cameras available for full wellbore coverage
- Telemetry tune feature allows the service to be run on a wide variety of cable types and lengths
- Combinable with pressure, temperature, gamma ray and casing collar locator sensors which can be recorded simultaneously with Optis[®] R125 camera or Multi-Finger Caliper data
- Deployable on e-line, e-line tractors or e-coil

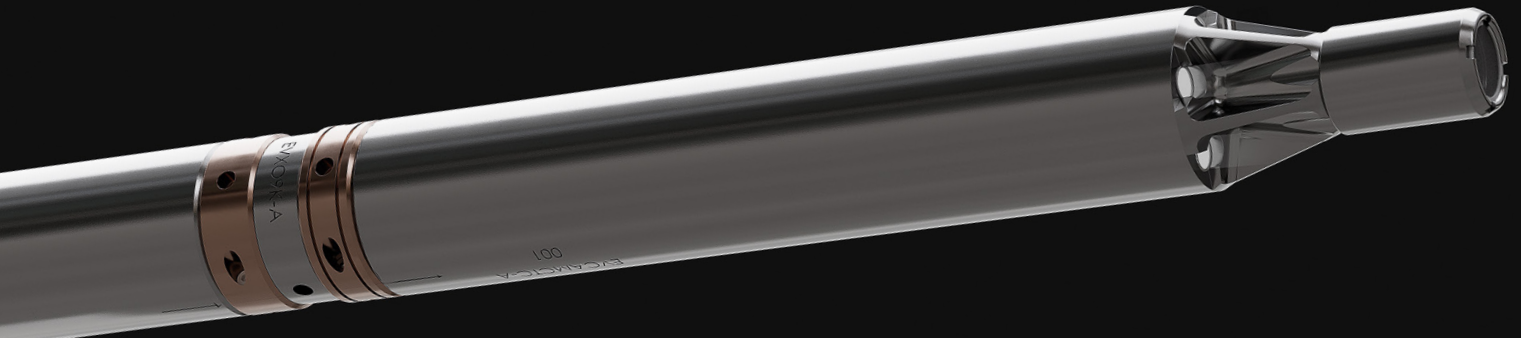
Benefits:

- Increased operational efficiency by combining two or more services in a single run
- High quality images and videos even in marginal fluid conditions
- Live visual intelligence enabling identification and avoidance of downhole hazards, thereby reducing operational risk
- Instant understanding and route cause analysis enabling real-time decision making and supporting decisive remedial action

Applications:

- Mechanical inspection of wellbore hardware such as upper and lower completion components
- Imaging of dropped/stuck objects such as wellbore fish
- Inspection and monitoring of corrosion and erosion
- Salt, scale and hydrate identification
- Gas storage inspection
- Leak detection
- Detection of water entry into gas producing wells and oil entry in high water cut wells

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SPECIFICATIONS

Diameter	1.7 in	43.0 mm
Length*	147.5 in	3746.8 mm
Pressure rating	15,000 psi	1034 bar
Temperature rating	257 °F	125 °C
Camera Type	Downview (Colour) & 360° Motorised Sideview (Colour)	
Video Frame Rate	Up to 25 fps	
Orientation Sensor	High-side relative bearing and deviation from vertical	
Field of View	112° (Water) / 135° (Gas)	
Recording Capacity	Continuous real-time transmission to surface with any mono-conductor cable	
H2S / CO2	Compatible with corrosion resistant materials throughout	

***Example tool string**

