



24 Hour Global Response

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www.evcam.com

Optis™ Electric Line

The Optis™ Electric Line camera sets the standard for downhole cameras and can be run on any mono-conductor or hepta-cable. The modular design permits it to be run as either a downview, sideview or both. The unique sapphire window and lens maximises light and picture quality. Optis™ Electric Line is easily transportable via any aircraft or other means allowing rapid mobilisation.

Fully digital bi-directional transmission gives full control over camera functions and ensures maximum flexibility. The intensity of the LED lights can be controlled from surface so that in reflective environments such as chrome tubing the lights can be reduced whereas in a dark environment the lights can be increased.

Deviation, high side and internal temperature are digitally transmitted to the surface laptop ensuring that the image can always be viewed in real time 'high-side up', independent of tool rotation.

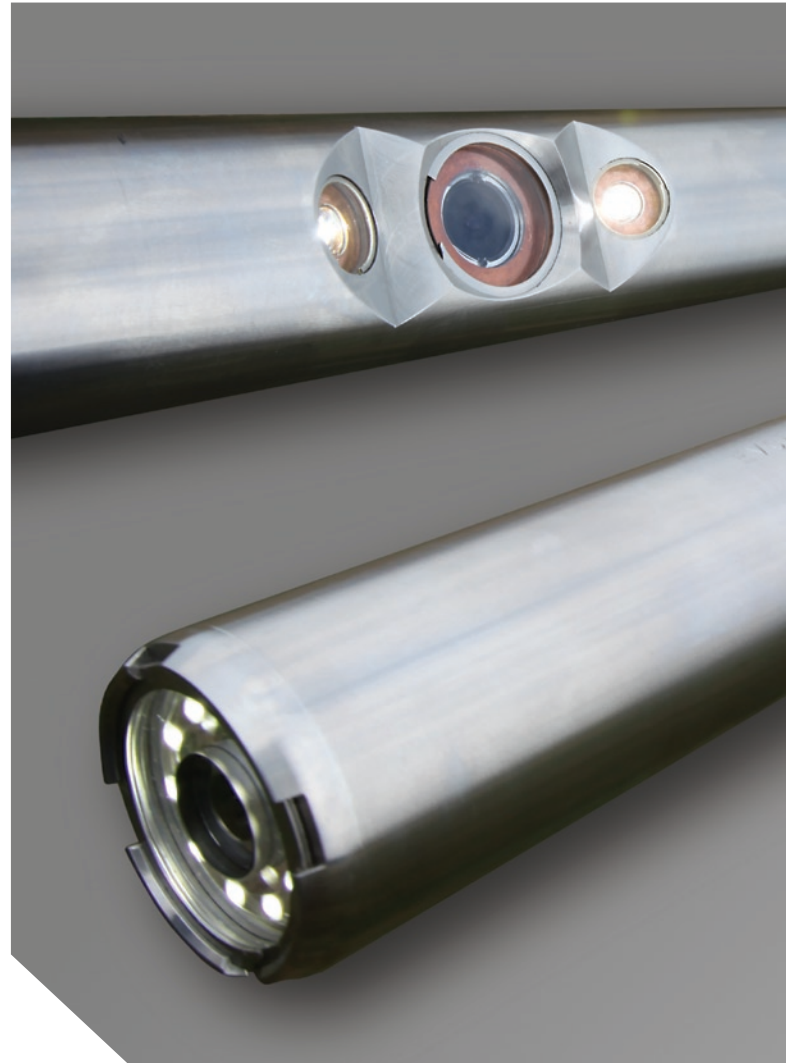
Both the picture resolution and refresh rate are controlled from surface. When running in the hole or monitoring a dynamic environment such as fluid entry, a higher frame rate can be delivered by reducing the resolution. Similarly when inspecting a stationary object a high resolution picture can be taken but with lower update rate.

Very High Resolution	0.2 frames per second
High Resolution	0.7 frames per second
Medium Resolution	1.7 frames per second
Low Resolution	4.2 frames per second

The Optis™ sideview camera has dedicated high intensity LED lights ensuring the best possible lighting of sideways looking images. The lens has a wide range of focal length from 1" up to 8". Control of the rotation of the sideview camera is fully digital with 360° rotation.

Applications for Optis™ Electric Line include:

- Imaging dropped objects and wellbore fish
- Mechanical inspection of wellbore hardware
- Inspection and monitoring of corrosion and erosion
- Detecting water entry in gas wells and oil entry in high water cut wells
- Gas storage inspection
- Coal bed methane wells
- Open hole imaging of barefoot gas completions



Specifications

Diameter	42 mm
Length	3.6 m
Pressure rating	15000 psi
Max operating temperature	125°C
Camera	Black and white
Connection	GO