



THE DOWNHOLE VISUAL
ANALYTICS COMPANY

OPTIS[®] M160

EV's Memory Camera provides vivid colour video at twenty five frames per second at a maximum continuous temperature of 160°C (320°F) as a reliable & cost effective solution to well diagnosis problems.

The latest image sensing technology, combined with digital compression and encoding, ensures that the Optis[®] M160 stands out from other cameras in the industry. Capable of recording up to seven hours of continuous footage at a maximum continuous temperature of 160°C (320°F), the need for precise planning is eliminated as this allows for any variables encountered during the wireline intervention. The programmable interval feature further increases functionality as it provides extended operating time.

The modular design of the system is lightweight and easily transportable. As the Optis[®] M160 camera is a bottom only tool, it can be easily combined with other wellbore measurements to provide services such as VDrift, VMPL (Video Memory Production Logging) and Memory IVC (Integrated Video Caliper). A number of deployment options are also available from slickline to coil tubing and e-line to tractor.

Features:

- Records up to 7 hours of colour video at 25 frames per second. Recording time can be continuous, or split into 60 intervals with delay for well stabilisation and stations.
- Can be run in combination with a range of wellbore measurements: VMPL, Memory IVC
- Slickline or coil tubing conveyance
- High resolution, colour, downview camera

Benefits:

- Combinable with other memory or e-line measurements in the same string as the slickline camera is bottom only

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	2.125 in	54.0 mm
Length	191.43 in	4862.4 mm
Pressure rating	15,000 psi	1034 bar
Temperature rating	320 °F	160 °C
Camera Type	Full Colour Downview Only	
Video Frame Rate	25 Fps	
Orientation Sensor	High-side relative bearing and deviation from vertical	
Field of View	112° (Water) / 135° (Gas)	
Recording Time	Up to 7 hours with up to 60 programmable intervals	
Power	Lithium Batteries	
H2S / CO2	Compatible with corrosion resistant materials throughout	

Example tool string

