



THE DOWNHOLE VISUAL
ANALYTICS COMPANY

OPTIS[®] INFINITY M125

Optis[®] Infinity is the world's first array sideview camera for downhole applications. Optis Infinity provides a ground-breaking, 360°, top-to-toe perspective of well performance and integrity in stunning high definition.

Full understanding of complex well issues requires a complete picture of the wellbore. Optis Infinity features an array of four azimuthally aligned cameras providing EV's trademark high resolution, high frame-rate video with >100% circumferential coverage and without any moving parts. This ground-breaking innovation enables the creation of a vivid, 360° dynamic map of well condition and behaviour from top to toe of the well. This quantum shift in information delivers an unparalleled level of understanding to support decision-making and enable effective well management.

The Optis[®] Infinity M125 integrates our ultra-high capacity memory module providing the capability to record all four array cameras simultaneously to capture the most complete picture of the well in a single, continuous run in hole and at standard logging speeds. This unique feature enables simplified, cost-effective intervention via slickline or standard coiled tubing conveyance, and significantly reduces the time required for data acquisition.

As an evolution of the Optis platform, Optis[®] Infinity M125 benefits from the same industry-leading optics and highly versatile multi-sensor toolbus, providing an optimal information platform for EV's game-changing Visual Analytics services across well delivery, well integrity and production optimisation disciplines. In addition, Optis Infinity technologies may be combined with an Optis downview video sensor, and with the shortest offset between downward and circumferential fields of view, viewers benefit from the most complete perspective of downhole conditions available.

Features:

- Four azimuthally aligned cameras providing high definition, high frame-rate video
- 360° view providing a complete perspective of downhole conditions
- Image post-processing available to create continuous, 360° image for detailed inspections
- Combinable with a range of well integrity and production logging sensors
- Data acquired at standard logging speeds and logging passes
- Fully Visual Analytics™ ready to provide quantified images and statistical analysis

Benefits:

- Nothing missed with complete wellbore coverage from well top to well toe
- Detailed diagnostics through comparison of acquired images with engineering drawings
- Time-lapse, side-by-side comparison of results during targeted remedial action
- Highly efficient data gathering reducing operating time and costs
- Reduced assumptions and increasing the accuracy of information through the combined analysis of video with conventional data sources
- Precise, quantified visual answers enabling rapid, confident decision making

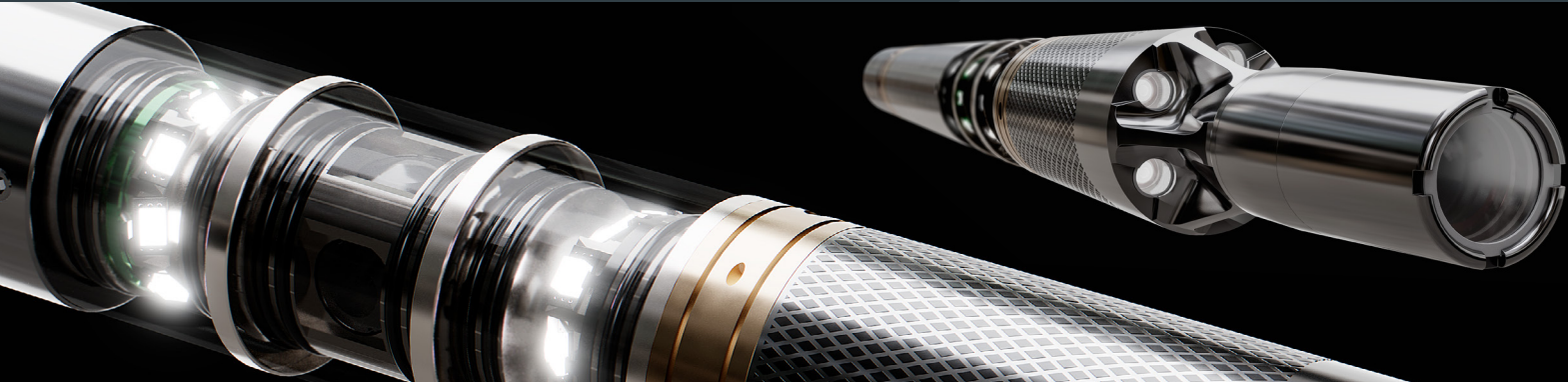
Applications:

- Perforation analysis to assist in optimization of hydraulic fracturing processes
- Evaluation of wellbore scaling and deposition to optimise clean-up and inhibition programs
- Detailed inspection of valves, sliding sleeves and other complex completion hardware
- Evaluation of corrosion and erosion to help with the management of well integrity
- Inspection of sand screens to identify blockages, failures and remedial options
- Leak detection, route cause analysis and assessment of remedial action

OPTIS[®] ∞ M125



THE DOWNHOLE VISUAL
ANALYTICS COMPANY



SPECIFICATIONS

Diameter ¹	1.69 in	43.0 mm
Length	152.92 in	3,884.3 mm
Pressure Rating	15,000 psi	1,034 bar
Temperature Rating	257 °F	125 °C
Camera Types	4x Colour Sideview and 1x Colour Downview	
Frame Rate	25 fps	
Video Resolution	2880x∞ Sideview; 1280x960 Downview	
Sideview Pixels Processed	5.9 GigaPixels per 30ft interval	
Field of View	360° circumferential coverage	
Orientation Sensor	High-side relative bearing and deviation from vertical	
Recording Capacity	Up to 8 hrs with programmable intervals	
Power	Lithium or Alkaline battery	
H2S / CO2	Compatible with corrosion resistant materials throughout	
Min ID for 360° Coverage	3.00 in	76.2 mm
Max ID Operating Range	12.00 in	304.8 mm

¹Maximum rigid diameter of 2.20in / 56.1mm with reference blades fitted for dimensioning applications (e.g. PerforationVA)

Example tool string

