



THE DOWNHOLE VISUAL
ANALYTICS COMPANY

BASIS™ R150

The Basis™ R150 camera delivers high quality, monochrome sideview and downview images at a maximum continuous temperature of 150°C (302°F) for up to 6 hours.

The combined use of high-spec flasks, advanced electronics and state-of-the-art temperature management technology allow EV's Basis™ R150 to perform at downhole temperatures of 150°C (302°F) for up to six hours.

A fully bi-directional transmission system allows EV to control the lighting levels, picture resolution and frame rate from surface to ensure the optimum image is acquired in all conditions. The ability to control the camera from surface minimises internally generated heat and extends operating time. Like all EV surface read-out cameras, Basis™ R150 can be run on a wide variety of mono or multi-conductor electric line cables. Monochrome video is streamed live at up to 4 frames per second for a clear, real-time understanding of any downhole issues encountered in environments at temperatures of up to 150°C (302°F).

If temperature is the concern, EV provides reliable video diagnostics with Basis™ R150.

Features:

- Flashed telemetry with industry leading electronics and the latest temperature management technology
- Deviation, tool high-side and internal temperature measurements
- Monochrome downview and motorised 360° sideview cameras
- Surface controlled LEDs
- Lightweight heli-transportable system

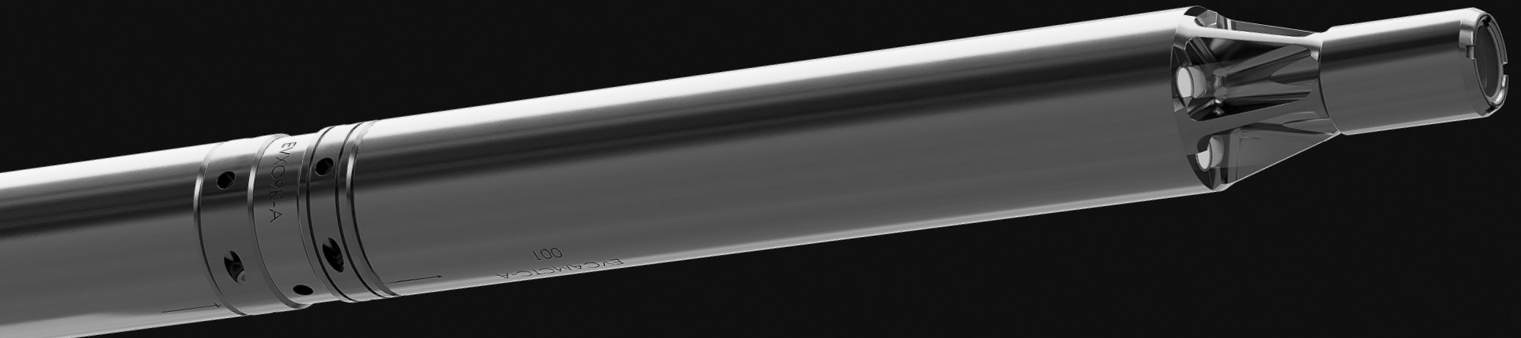
Benefits:

- Improved well diagnostic capability in high temperature wells with high-quality, detailed pictures and total borehole coverage
- Real-time image and data transmission to surface improving operational efficiency and decision making in high temperature environments
- Responsive rapid mobilization for emergency services

Applications:

- Imaging of dropped/stuck objects such as wellbore fish
- Obstruction identification
- Mechanical inspection of completion components
- Identifying well integrity issues: parted tubing, crushed pipe
- Wellbore clean outs
- Gas storage inspection

BASIS™ R150



SPECIFICATIONS

Diameter	1.7 in	43.0 mm
Length*	207.2 in	5263.0 mm
Pressure rating	15,000 psi	1034 bar
Temperature rating	302 °F (6 hours/3 hours) ¹	150 °C (6 hours/3 hours) ¹
Camera Type	Downview (Monochrome) & 360° Motorised Sideview (Monochrome)	
Video Frame Rate	Up to 4 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 or multi-conductor cable	
H2S / CO2	Compatible with corrosion resistant materials throughout	

* Example tool string

¹ Two flasked telemetry versions exist. Type 1 is rated to 150°C for up to 6 hours. Type 2 is rated to 150°C for up to 3 hours.

*Example tool string

