

# Vision iO WellCAM<sup>®</sup> Visual Logging Platform

Digital downhole Camera solution for use in Oil, Gas and Geothermal wells.

We combine digital images with advanced software processes in order to provide our Customers with a visual log of their well.

Our WellViewer™ software is used on all cameras enabling unique continuous pan & tilt ability in the whole well bore

## The WellCAM<sup>®</sup> platform can be run on all types of conveyances.

Slickline: Memory based interventions with up to 24 hours of recording time.

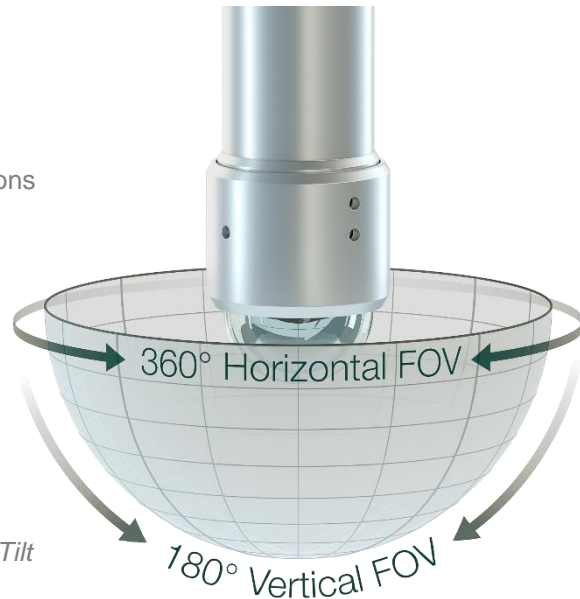
E-Line: Low-bandwidth control images, and full resolution images stored in camera.

Coil: Memory based interventions with up to 24 hours of recording time, with the ability to flush while recording.

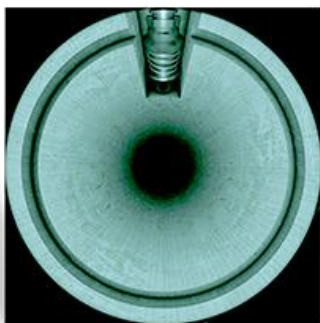
E-Coil: Live interventions, with the ability to flush while recording.

## Typical applications for the WellCAM<sup>®</sup> :

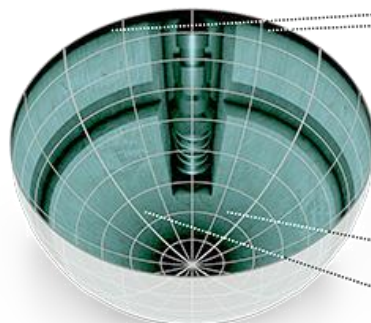
- Provide information for fishing operations
- Identify casing damages / deformations / parted tubing / perforations
- Identify condition of GLV's, DHSV's & Flapper
- Oil, gas and water entry detection
- Identify scale build-up
- Show milling progress



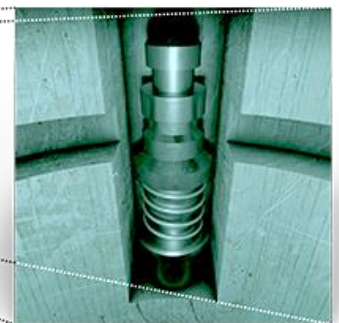
*Unique full digital zoom, Pan & Tilt (sideview) throughout the well*



A



B



C

*Camera «raw data» with digital treated side view function.*

# Vision iO WellCAM®

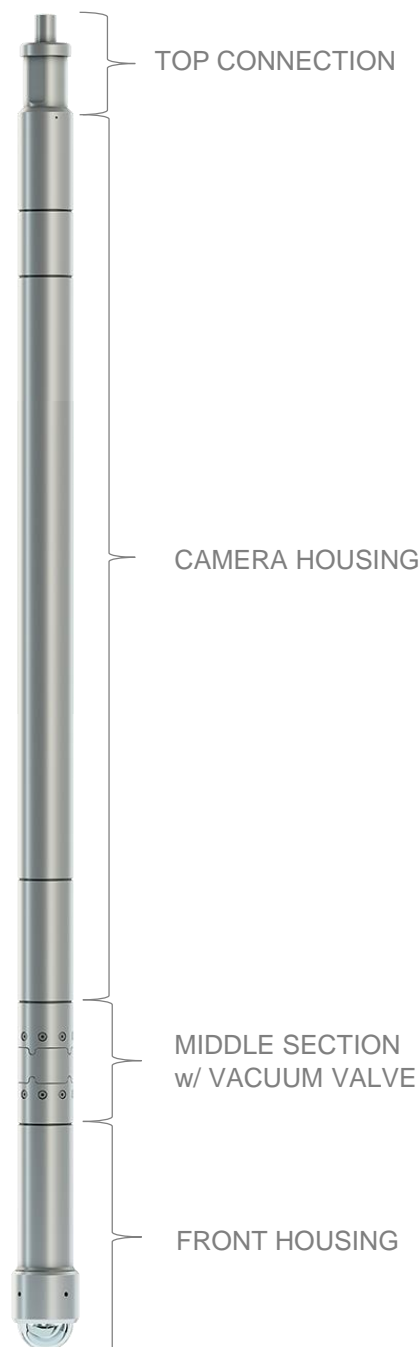
## Technical specifications

### WellCAM® Memory

- Pressure: 15.000 psi / 1034bar
- Temperature: 125 °C / 257°F
- Length: 1,85m / 6,07ft
- Tool Diameter (in): 2,25 (2,15 slim edition)
- Weight in air: 15kg / 33lbs
- Top Connection: UN 1-1/16-10
- Fish neck: 1,75" FN
- Tensile strength: 4200kg / 9259 lbs (2,15 edition)
  
- Field Of View: 185/360°
- Max/min borehole/casing/tubing: 9 5/8" – 2 7/8"
- 5Mpx Image Sensor
- Storage Capacity: 128 GB (approx. 24 hours)
- Image Frame Rate: 4 HD frames per second
- Battery Operated
- H2S

### WellCAM® E-Line

- Pressure: 15.000 psi / 1034bar
- Temperature: 125 °C / 257°F
- Length: 1,85m / 6,07ft
- Tool Diameter (in): 2,25 (2,15 slim edition)
- Weight in air: 15kg / 33lbs
- Top Connection: 1-3/16" Gerhardt Owen
- Fish neck: 1,75" FN
- Tensile strength: 4200kg / 9259 lbs (2,15 edition)
  
- Field Of View: 185/360°  
Max/min borehole/casing/tubing: 9 5/8" – 2 7/8"
- 5Mpx Image Sensor
- Internal Storage Capacity: 128 GB (approx. 24 hours)
- Surface read-out
- Image Frame Rate on internal stored images: 4 HD frames per second
- Communication Range up to 9 Km / 29500 ft
- H2S



# Vision iO WellCAM®

## Technical specifications

### WellCAM® Coiled tubing

- Pressure: 15.000 psi / 1034bar
- Temperature: 125 °C / 257°F
- Length: 2,27m / 7,44ft
- Tool Diameter (in): 2-7/8"
- Weight in air: 30kg / 66lbs
- Top Connection: 2-3/8" PAC
- Field Of View: 185/360°
- 5Mpx Image Sensor
- Storage Capacity: 128 GB (approx. 24 hours)
- Image Frame Rate: 4 HD frames per second
- Battery Operated
- H2S
- Up to 2bbl pumping rate
- Shock absorber

### WellCAM® E-Coil

- Pressure: 15.000 psi / 1034bar
- Temperature: 125 °C / 257°F
- Length: 1,9m / 6,23ft
- Tool Diameter (in): 2-7/8"
- Weight in air: 25kg / 55lbs
- Top Connection: 2-3/8" PAC
- Field Of View: 185/360°
- 5Mpx Image Sensor
- Internal Storage Capacity: 128 GB (approx. 24 hours)
- Surface read-out
- Image Frame Rate on internal stored images: 4 HD frames per second
- Communication Range up to 9 Km / 29500 ft
- H2S
- Up to 2bbl pumping rate

