

KATEYE™ Downhole Video Tools

KATEYE™ Downhole Video Tool runs with Surface Read Out (SRO) mode by E-line or Memory Mode by Slickline or Drilling Pipe. It is useful in Oil & Gas well industry, water well industry, as well as in geothermal and gas storage bank inspection.

By updated high-temp lens modules, the tool provides high definition images/videos which cover the entire downhole casing inner wall from 2-3/8" up to 17" casing/tubing. The video quality has been guaranteed by unique illumination and lens design.

KATEYE™ Downhole Video Tools are compacted designed which is fast transportable by air transportation or hand carry by engineers.

Features

Bi-directional digital telemetry communication system gives full control over video functions and ensures maximum flexibility. The intensity of the LED lights can be controlled from surface to achieve the best illumination condition.

Both side-view and down-view are controllable from surface.

Side-view is for checking the detailed images of the well wall, and down-view will provide a full image of the hole.

The KATEYE™ Downhole Video has dedicated lens. The side-view lens can be rotated with 360 degrees to cover the entire well walls. So you can see the corrosion or cracks, and it will provide you with a clear picture of casing wall.

The KATEYE™ Downhole Video has equipped one of the world fastest telemetry modules, and make sure the picture has the best quality and refreshing rate compare with competitors.



Applications

- Imaging dropped objects and wellbore fish
- Mechanical inspection of wellbore hardware
- Inspection and monitoring of corrosion and erosion
- Detecting water/gas/oil entry
- Perforation checking
- Coal bed methane wells
- Open hole imaging

Technical Specifications

<u>Diameter</u>	<u>43mm (1-11/16")</u>
<u>Pressure Rating</u>	<u>1,5000 psi</u>
<u>Max Temperature</u>	<u>150°C (302°F)</u>
<u>Camera</u>	<u>Full Color</u>
<u>Connection</u>	<u>1-3/16 12UNF (GO Type)</u>
<u>View of Angle</u>	<u>Side-view / Down-view</u>
<u>Max Transmission Rate</u>	<u>Realtime rate: >1 frame/s mono-cable</u> <u>Memory rate: >2 frame/s</u>
<u>Casing/tubing size</u>	<u>Up to 17"</u>
<u>Well Fluid</u>	<u>Water/Gas/Oil well/sour service capability</u>
<u>Cable</u>	<u>7/32", 5/16" mono-conductor cable</u>
<u>Logging Mode</u>	<u>Surface Read Out / Memory Mode</u>
<u>Memory Capacity</u>	<u>4 GB</u>
<u>Battery</u>	<u>More than 10 hours battery working life time</u>