

ViewMax camera

ViewMax is a side and down view camera with the ability to rotate the camera to any required orientation.

Objects of interest are first observed using the downward camera. The operator can switch to side view for a close up inspection. A motor section in the tool can be started and stopped from surface to rotate the view and obtain a full 360 degree inspection.

ViewMax can be run on any conventional e-line and requires only 1 conductor to send power to the tool and receive pictures at surface. Pictures are viewed and stored on a laptop at the rate of ~1 frame per second. ViewMax can also be run on Expro's fibre optic units for full motion video capture at 30 frames per second.

Applications:

- Perforation inspection – perf hole size, shape, plugged or open, etc.
- Subsea ram inspection – easily confirm if there are debris in ram cavities
- BHA / gravel pack / slotted liner – assess damage / openings
- Open hole – look directly into fractures / view formation details
- Pipe torque – can count exposed threads to clearly see backed off pipe
- Miscellaneous – complements the down view and shows detail the down view may not expose

Features:

- Instant visualisation of downhole conditions both below the tool and to the side
- Side view extends the tool's tolerance to marginal fluid clarity. It can see where the down view may not. Clear fluid is still a tool prerequisite and gives optimum results
- Fully functional stand alone client viewer software for playback (e-line only). A menu driven DVD is the end product when the tool is run on fibre



Snapshot from sideview camera looking at one of the VBRs (Variable Bore Ram)

Technical Specifications:

Length	12.4' (3.8m) with one centralizer
Diameter	2 1/8" (54mm)
Weight	65 lbs (29.5 kg)
Max. Temperature	257°F (125°C)
Max. Pressure	10,000 psi (69 MPa)
Frame Rate/Sec (fps)	1.2 fps e-line, 30 fps fibre

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