The latest generation of acoustic televiewers, the stackable ABI-40 2G QL-series, utilizes ultrasonic pulses to image the borehole wall face.

Revolutionary sensor technology enables this slim-line televiewer to achieve superior image resolution by focusing the acoustic beam from a fixed transducer and rotating reflective surface.

The flexibility to change the revolution rate, sample rate, digitizing window and gain control ensures high quality image resolution over a large effective borehole diameter. Acoustic images are directionally oriented with a 3-axis magnetometer and 3-axis accelerometer.

Sophisticated data analysis provides accurate and precise borehole fracture information and uses it to generate a digital virtual core package, as well as acoustic caliper data.

**APPLICATIONS:**
+ Fracture orientation and evaluation
+ Thin bed detection
+ Borehole diameter
+ Bedding dip
+ Lithological characterization
+ Casing inspection
+ Borehole deviation

**PROBE SPECIFICATIONS:**
- Diameter: 40mm (1.6 in.)
- Length: 1.6m (5.25 ft.)
- Weight: 6 Kg (23.2 lbs)
- Max Operating Temperature: 70˚C (158˚F)
- Max Pressure: 200 bar (2900 psi)
- Borehole Diameter: 2” to 20” depending on mud conditions
- Logging Speed: 3 to 24 ft/min depending on resolution, wireline and borehole diameter

**SENSOR SPECIFICATIONS:**
- Acoustic Sensor: Fixed transducer and rotating focusing mirror
- Focusing: 3” or 6”
- Frequency: 1.2 MHz
- Rotation Speed: up to 35 revolutions per second
- Samples per Revolution: 72, 144, 216, 288 and 360; user defined
- Caliper Resolution: 0.08mm
- Measurement Range: 2” to 20” diameter depending on mud conditions
- Inclination Accuracy: 0.5 degree
- Azimuth Accuracy: 1.0 degree