

SPACE Panorama

True spatial understanding of downhole measurement



The 2-1/8" SPACE® Panorama is a state-of-the-art high-resolution cased-hole ultrasound imaging tool. Using the established technology applied in medical ultrasound imaging, SPACE® is designed and built for the hostile environments encountered downhole. This allows the creation of high-resolution 3D images of internal tubing or casing condition in most production fluids.

Features & benefits

- Run in all production fluids, optical clarity is not needed
- Robust, designed and built for hostile environments
- Precise Diagnostics - unparalleled ability to identify downhole challenges through advanced internal diagnostics
- True Spatial Understanding - comprehensive view facilitating better decision-making
- Different pipe sizes in 1 run, thanks to its optimized resolution at a given focal length
- Mechanical Reliability - no moving parts which means No risk of losing data!
- Non-Invasive Evaluation. Non-contact evaluation. No risk of compromising the integrity of the well!
- Intuitive & immediate results, get 3D rendering of complex downhole completion items within seconds! And without relying on subjective interpretations
- Powered by new adaptive high-speed telemetry

Typical Applications

- General imaging applications with extended features unavailable to optical cameras
- Inspection of downhole jewellery with complex internal geometries such as SPM and DHSV
- Evaluation of metal loss, corrosion or damaged pipe
- Inspection of wellbore restrictions
- Sand screen, ICD and perforation evaluation

Specifications

Physical

Outer diameter	2-1/8" [54 mm]
Length	101.6" [258 cm]
Weight	58 lb [26.3 kg]

Environmental

Maximum temperature	302°F [150°C]
Maximum pressure	15,000 psi [1,034 bar]

Electrical

Voltage	240 VDC
Current	200 mA

Functional

Number of sensors	288
Maximum azimuthal resolution	1.25 deg
Vertical resolution	0.39" [10 mm]
Azimuthal resolution	1.25 deg
Accuracy	0.51 mm

Operational

Logging speed	3-30 ft/min [0.9-9.1 m/min]
Logging mode	Real-time

Well conditions

Fluid	Water, brine, oil, produced liquids
Casing range	3-1/2" - 13-3/8" [89-340 mm]
Minimum ID for imaging	2.8" [71 mm]