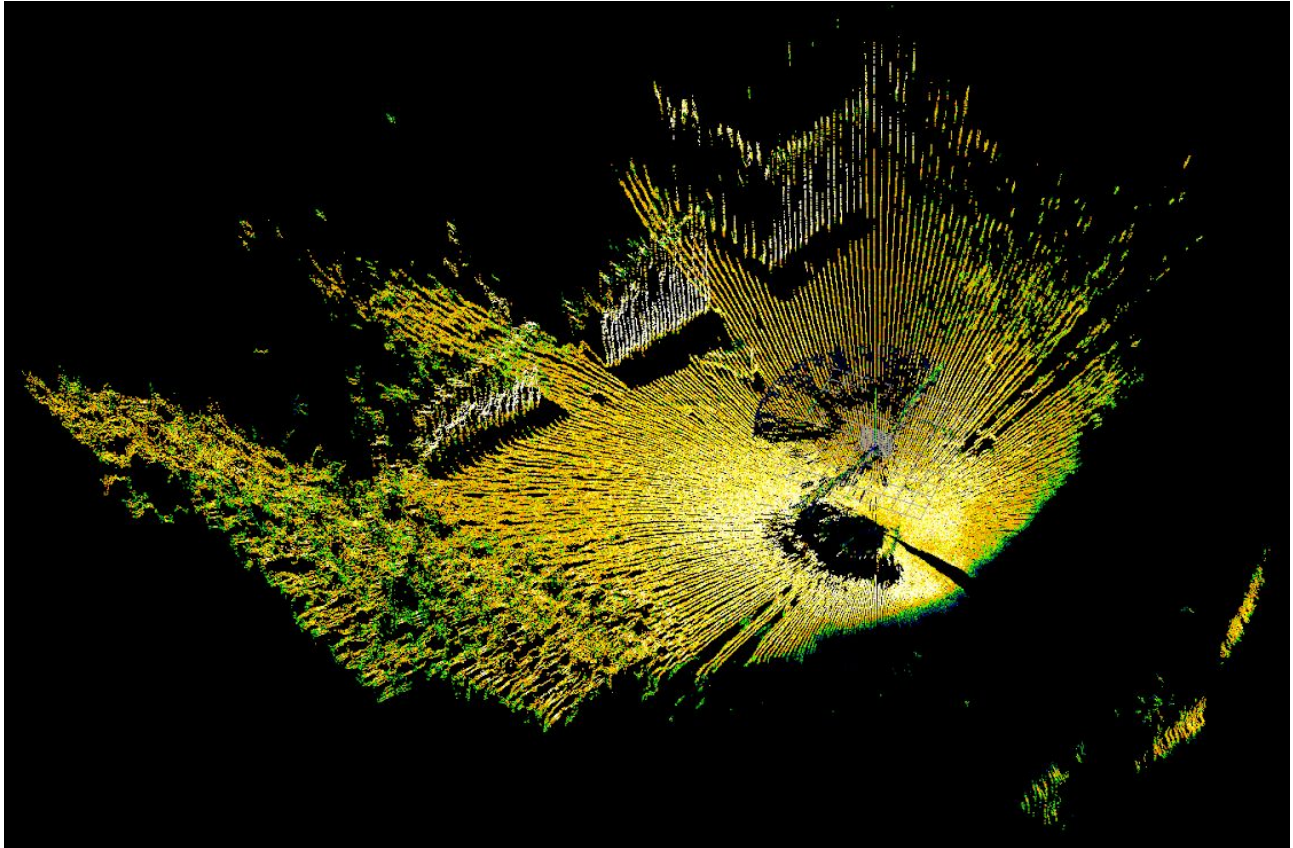




Think Sensor Research Inc.
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Website: <http://www.thinksensor.com>



TSR-3000 3D Sonar with Rotator

Does your application require simultaneous, co-located side scan image and bathymetry sonar data?

Does your application require a sector scan sonar that can gather simultaneous, co-located image and profile data?

The TSR-3000 3D Sonar is a high performance modular sonar system that can be configured to your requirements. In the TSR-3000 Sector Scan configuration with a rotator, the TSR-3000 can be used to collect simultaneous profile and image data. In the side scan configuration, the TSR-3000 can be used to collect simultaneous bathymetry and side scan image data.

For remote monitoring applications, the TSR-3000 3D also has a real-time clock and scheduler that can set to wake up and scan a sector on a specified interval.



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TSR-3000 3D SONAR	
FEATURE	SPECIFICATION
Electronics Cylinder	115 mm diameter x 300 mm length, 5 kg in air
Transducer (450 kHz)	295 mm length x 64 mm width x 36 mm height, 1.5 kg in air
Depth Rating	400 meters
Material	Anodized Aluminum
Power	12 VDC to 24 VDC reverse polarity protected, 9 Watt without rotator, 35 Watt with rotator
Communication	Cat 5e Ethernet, RS-232 configuration console
Connectors	Subconn Micro series
Frequency	450 kHz or 300 kHz, other frequencies available on request
Horizontal Beam width	1.25 deg (300 kHz), 0.9 deg (450 kHz),
Vertical Beam width	120 deg
Range Resolution	5 cm (300 kHz), 3.3 cm (450 kHz)
Bathymetric Resolution	Dependent on range, tilt angle and wave form, please contact Think Sensor Research Inc for more details
Bathymetric Accuracy	Dependent on range, tilt angle and wave form, please contact Think Sensor Research Inc for more details
Maximum Range	150 m (300 kHz), 90 m (450 kHz)



Information provided by Think Sensor Research is believed to be accurate and reliable. However, no responsibility is assumed by Think Sensor Research for its use. Specifications subject to change without notice.