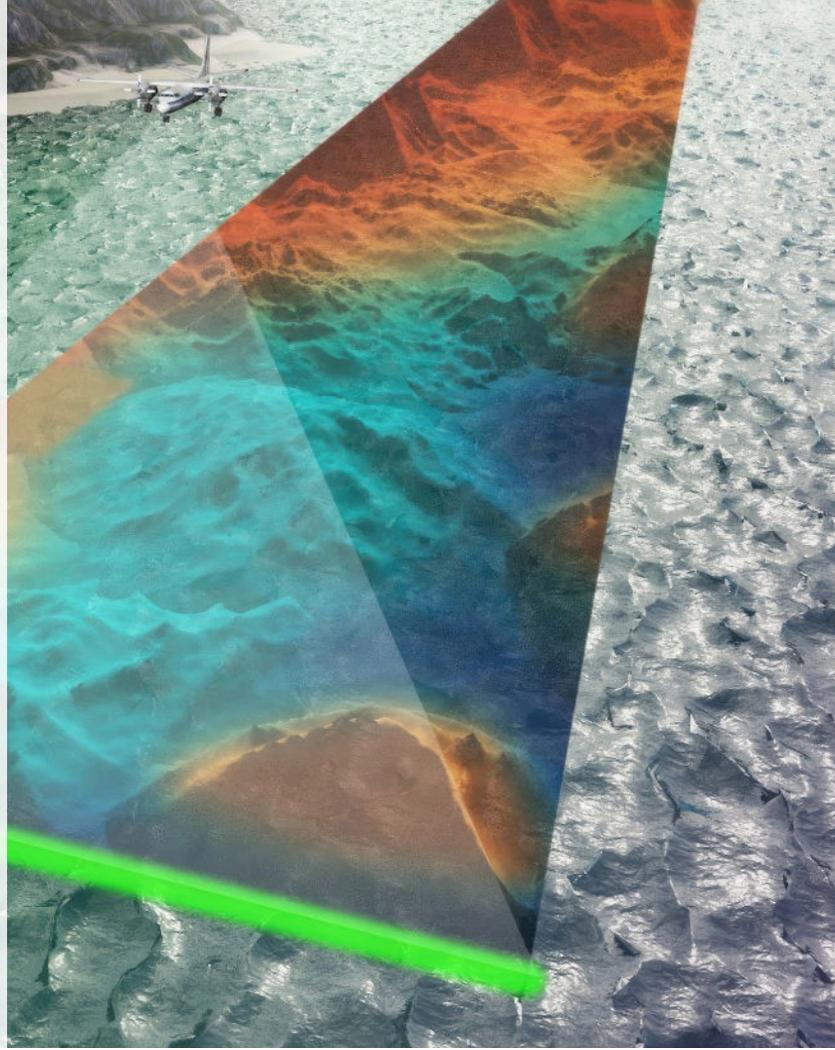




AIRTRAC[®]-532



Areté's AIRTRAC-532 Laser is a ruggedized laser capable of both 1064 nm and 532 nm output wavelengths with >70 mJ total pulse energy. AIRTRAC-532 Laser provides Flash LIDAR capability in a very compact, lightweight and low power configuration. The athermal design provides high laser pulse energy over the full MIL-SPEC temperature range with full system weighing less than 500 grams. AIRTRAC-532 laser has established a new standard in size for lasers of this class.

Key Features

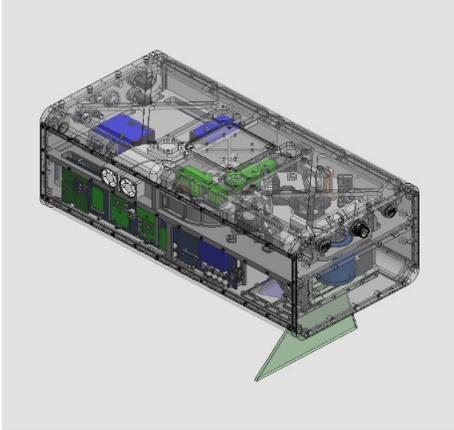
- Compact efficient athermal laser
- Patented technology for increased efficiency and long life performance
- High pulse energy
- Cavity Dimensions: 4.0"x 1.5"x 1.5"
- Dual wavelength and Flash LiDAR capability
- Reduced heat load
- No significant warm-up time
- Capable of continuous operation
- Shock and vibration hardened
- Compact electronics configuration included
- Fully sealed laser cavity



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AIRTRAC®-532



AIRTRAC-532 Laser in Fugro RAMMS 3



532 Laser Electronics: 3.0" x3.0" x1.5"



RAMMS aerial mapping

Parameter	Range			Comments
	Min	Typical	Max	
Weight	500 g			112501 AIRTRAC-532 Laser with Electronics and Electronics Container
Wavelength	1.064 um & 0.532 um			
Output Energy per Pulse	>35 mJ			Energy out of 0.532 um wavelength
	>35 mJ			Energy out of 1.064 um wavelength
	>70 mJ			Total pulse energy
Pulse Width	4ns to 7ns			
Rep Rates	0 Hz to 25 Hz			
Pulse to Pulse Energy Stability	<10% typ			
Secondary Pulses	None			
Average Standby/Arm Power	<10 W			
Average Power Draw (total)	<10 W	<25 W	<48 W	Values taken at 24 VDC and at pulse frequency of 30Hz
Peak Current	2.5 A	2.8 A	3.5 A	Values taken at 24 VDC and at pulse frequency of 30Hz
Operational Temp Range	-30C to +50C			
Storage Temp Range	-40C to +85C			

