

ALST

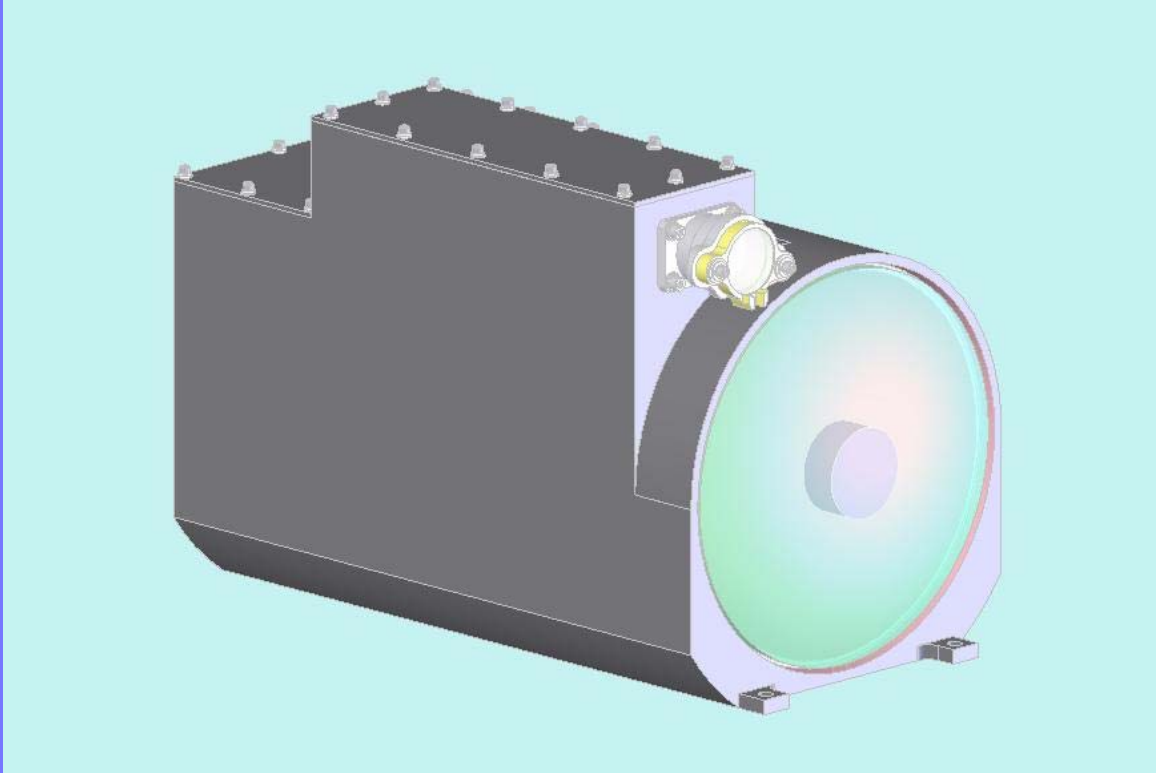
Advanced Laser Systems Technology

OSPREY-5

HIGH PERFORMANCE EYESAFE LASER RANGEFINDER

WITH

PULSE RATE OF 10 HZ & NARROW (0.25 MR) BEAM DIVERGENCE



FEATURES INCLUDE:

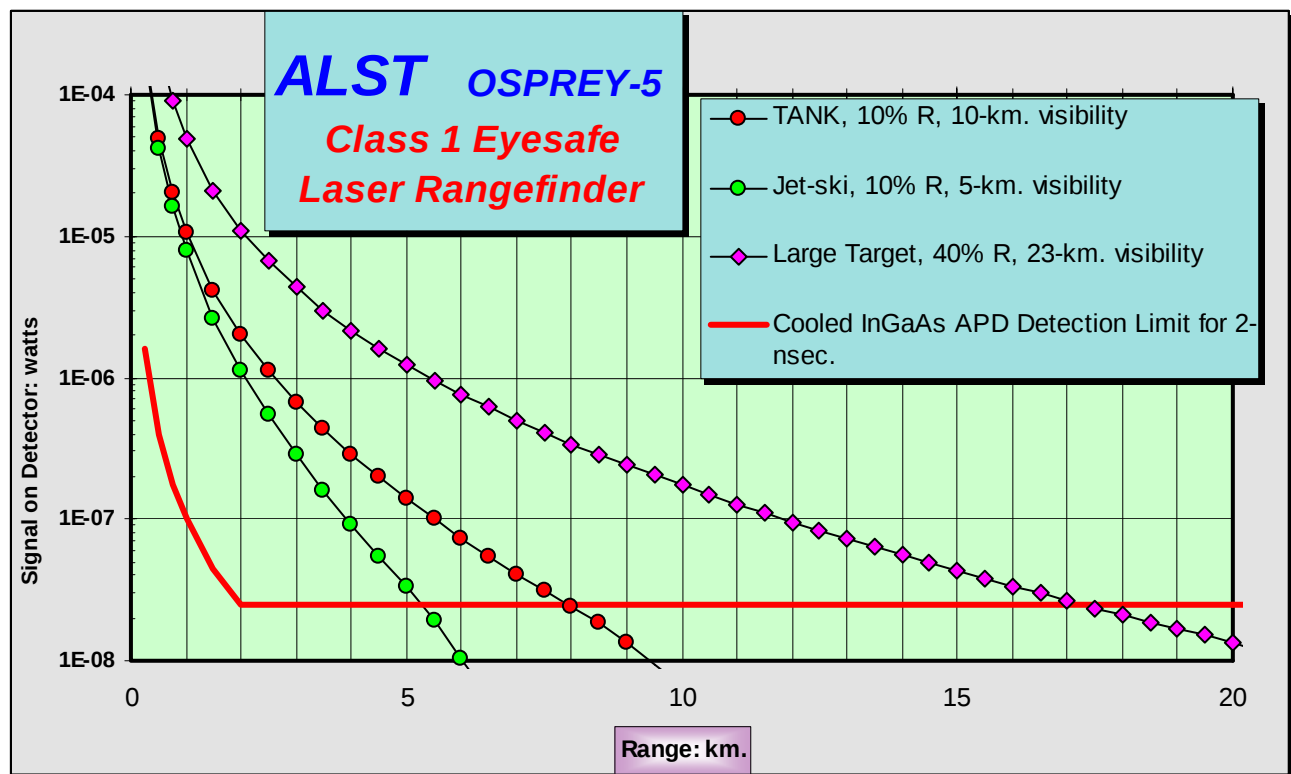
- Completely Self-Contained Unit
- Kinematic Mounting Interface for Reliable Boresight Retention
- Low Power Dissipation Design: No Cooling Required
- Single Connector Interface for Power & Communication
- ANSI Z136.1-2000 Class 1 Eyesafe
- Lifetime of greater than 5 million shots

Advanced Laser Systems Technology, Inc.
6860 Edgewater Commerce Parkway
Orlando, Florida 32810
Phone: 407-295-5878 Fax: 407-298-6012
E-Mail: sales@alst.com

OSPREY-5 SPECIFICATIONS

LASER TYPE	Diode Pumped Erbium-Glass
WAVELENGTH	1.54 microns
POWER/PULSE	50 kilowatt
PULSE RATE	Up to 10 Hz
RANGE RESOLUTION	± 2 m
MIN/MAX RANGE	50 meters / 20 Km
FALSE ALARM RATE	Less than 1%
COMMUNICATIONS INTERFACE OPTIONS	RS-232 or RS-422
DIMENSIONS OF MODULAR UNIT/ HOUSING	10.05 x 5.50 x 6.7 (in inches)
WEIGHT	TBD Kg

PERFORMANCE



Employing the latest in rangefinding technology, the Osprey-5's Diode-pumped erbium laser transmitter provides: high pulse rate with low input power requirement, 0.25 mr beam divergence (puts more power on distant small targets), extremely low heat dissipation (no active cooling required), fast risetime pulse for improved accuracy and low average power for Class-1 eye safety. The Performance Chart below illustrates the Osprey-5's expected performance.