

NCIL-2

Naval Compact Integrated Laser



Main Advantages & Features

- Based on cutting-edge diode-pumped technology
- High repetition rate
- Eyesafe rangefinding
- Compact, lightweight, single LRU
- Specifically designed for maritime environment

Applications

- Integrated part of air defense weapon systems
- Stand-alone unit for gun fire control systems
- Integrated sight for EO payloads/clusters

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Technical Data

Transmitter type	Diode pumped, Erbium Glass 1.54 μm (eyesafe)
Output energy, min.	8 mJ
Repetition rate	10 pps
Option	12.5 pps
Beam divergence	0.65-1.5 mRad, factory adjustable
Range	
- Minimum	100 m
- Maximum	20,000 m
- Accuracy	± 5 m
Resolution	± 2.5 m
Target discrimination	30 m
Extinction ratio	47 dB @ 85% reflectivity at 500 m target
Common optical aperture	100 mm
False alarm rate	1%, max
Laser beam-mechanical interface boresight	<3 mRad
Environmental conditions	Designed and tested IAW military standards
Boresighting telescope	
- Magnification	x 6
- Boresight with the laser beam	0.5 mRad
Cooling	Passive air cooling
Communication	RS-422
Power consumption	110 W, max.
Power supply	115 VAC, 400 HZ,
Option	24 VDC
Weight	11 kg
Dimensions (L x W x H), mm	517 x 234 x 195 (length of housing 365 mm)



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