

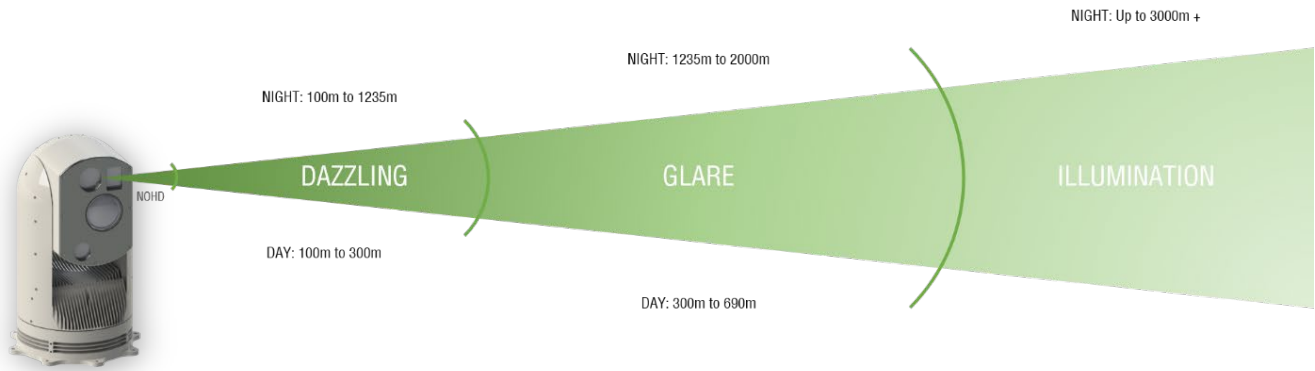


CURRENT

THE SCIENCE OF SEEING

LASER DAZZLER

Current's EO / IR solutions offer the highest performance and best image quality for long-range **recognition of objects, obstacles, and threats**. The laser dazzler is an optional sensor that naturally complements Current's EO/IR passive threat awareness systems by adding **non-lethal deterrent in the form of an active protection**. When other methods are ineffective, it can be used as an escalation of force to **increase security and safety on board**.



Non lethal deterrent / escalation of force
Nohd protected by LRF

The laser dazzler uses a high powered 5W green laser to bring an added level of security in a non-lethal manner. The laser dazzler only operates after the internal **laser range finder (LRF)** automatically verifies that the target is beyond the **nominal ocular hazard distance (NOHD)**. This feature is intended to help prevent accidental use of the laser dazzler on personnel on board or friendly vessels nearby.

Active Protection for Maritime & Land Security



The laser dazzling at sea during the night at 2km distance. It can be used by **maritime security for port protection, counter-piracy, and critical infrastructure protection**.



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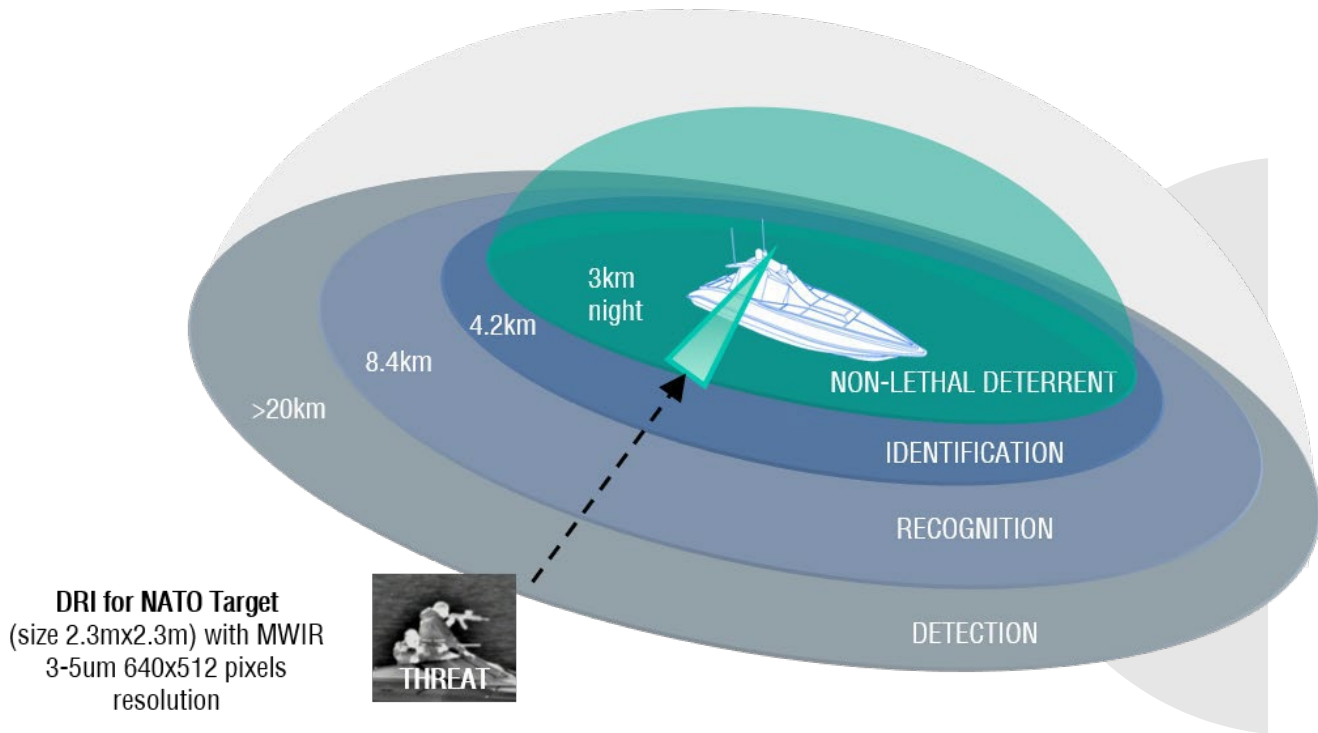
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The laser dazzler can also be used on land to equip **land surveillance programs for long-range deterrence**. This optional sensor adds non-lethal, active protection to passive awareness of threat, while alerting intruders to boundary crossing in escalation of force.



Using the long-range day and IR sensors of Current’s EO/IR system, objects can be detected, recognized and identified as potential threats. The laser dazzler can then be used to **visually alert** approaching vessels that they have been spotted and to keep their distance. If vessels continue to approach, the strobing function can be used to attempt to **disorient and temporarily blind the aggressors**.

Laser Dazzler – Non-Lethal Deterrent



Theoretical calculations based on “Johnson Criteria”, to achieve a 50% probability for an observer to detect an object, not taking into consideration signal level, detector sensitivity, atmospheric conditions and other factors.



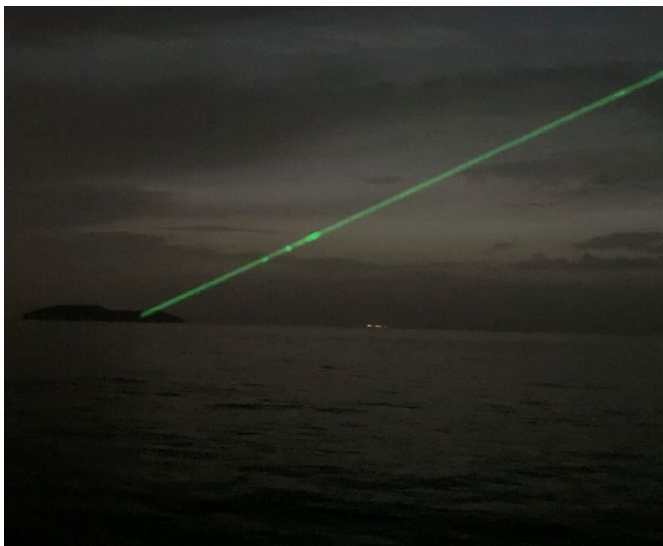
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Systems Including Laser Dazzler:

	<i>Thermal Imaging</i>	<i>Field of View</i>	<i>Zoom Ratio</i>	<i>Gyro</i>	<i>Video Tracking</i>	<i>HD/4K Day</i>	<i>Laser Range Finder</i>	<i>Laser Dazzler</i>
NN 4000 Series								
NN 4425	LWIR	25.3° to 5.9°	4x Optical	Yes	Yes	HD*	5km Range	Yes
NN 4465	MWIR	30.0° to 1.8°	20x Optical	Yes	Yes	HD	5km Range	Yes
NN 4485	HD MWIR	40.0° to 2.4°	20x Optical	Yes	Yes	HD*	5km Range	Yes
NN 8000 Series								
NN 8465	MWIR	17.2° to 0.9°	20x Optical	Yes	Yes	HD*	5km Range	Yes
NN 8485	HD MWIR	21.5° to 1.2°	20x Optical	Yes	Yes	4K	5km Range	Yes

*Optional 4K Day



Active Protection and Alert System

