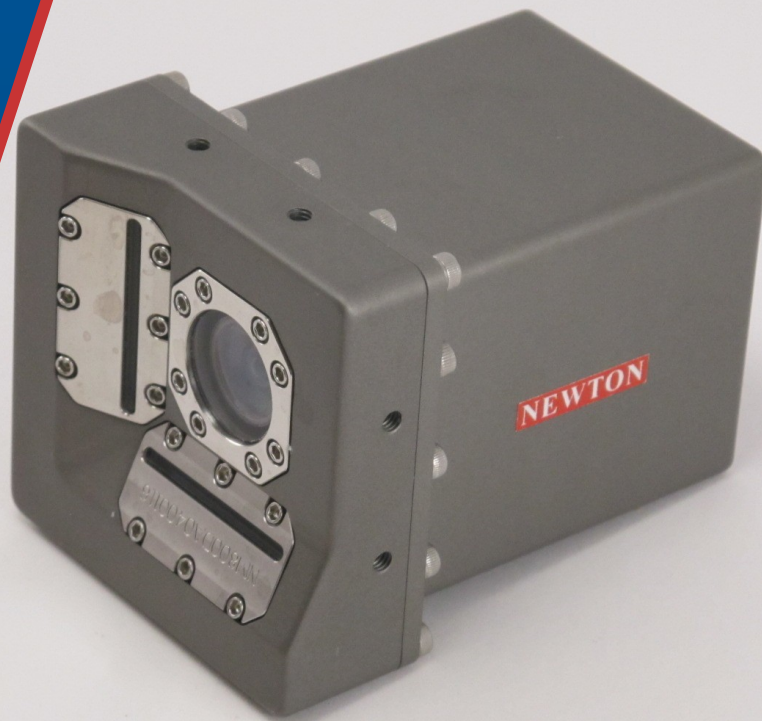


NEWTON

Underwater Distance and Angle Laser

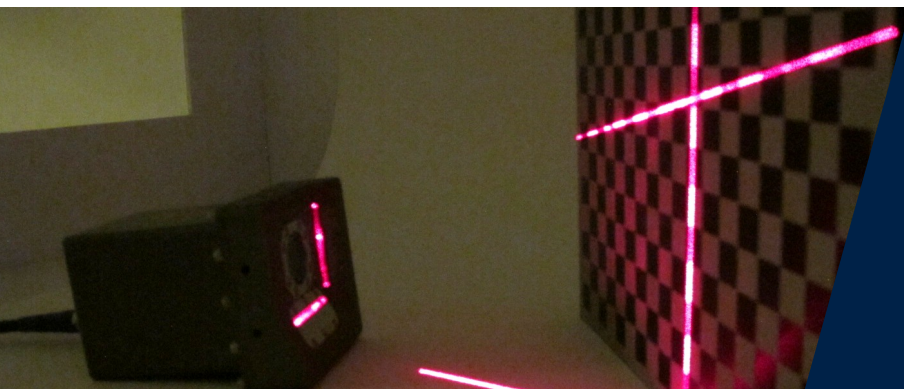
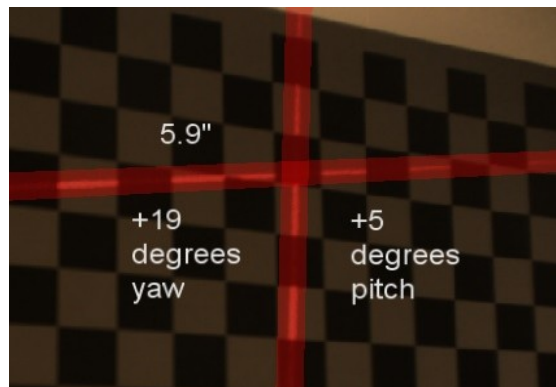
NM800DA - Nuclear
M800DA - Non-Nuclear



Enhance visual inspections by accurately measuring the distance and angle to a target.

Product Details

- Operates underwater and in-air
- Models for nuclear and non-nuclear environments
- Accurate to within +/- .125 inch (3mm) distance measurement
- Accurate to within +/- 1 degree angle measurement
- Range of 1 inch (25mm) to 16 inches (400mm)
- Rugged Control unit with 19 inch video display



Above: Simple measurement displayed on video display
Left: The NM800DA and M800DA scanner utilizes two laser lines to measure distance pitch and yaw to the target and displays them on the video display.

Contact Sales for more information:
sales@newtonlabs.com / 425.251.9600



Technical Specifications:

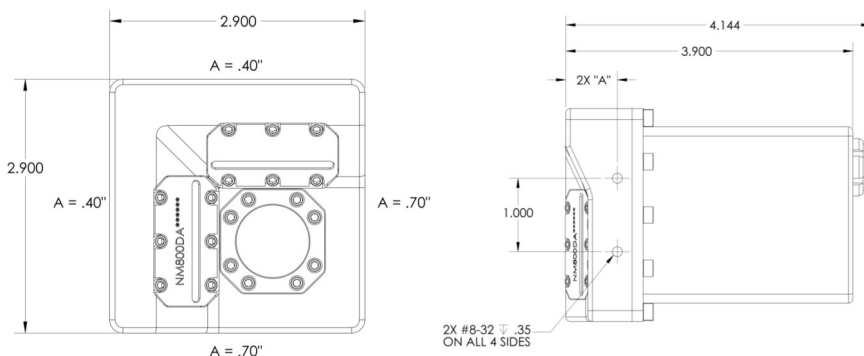
Measurement Range	Between 1" and 16"
Power Requirements	Power 110 to 240 50/60 Hz VAC to the Control Unit (the Control Unit provide power to the sensor)
Cable	150 feet Power over Ethernet - 300 feet available at request
Weight	In Air: 1.5 lbs (.7kg) Underwater: .75 lbs (.35 kg)
Laser	3.5 mw Class I Red Eye Safe
Camera Dimensions	See Below
Control Unit Dimensions	24.60" x 19.70" x 11.70" (62.5 x 50 x 29.7 cm)
Control Unit Weight	56 lbs (25 kg)
Display	19" (48 cm) Color
Depth Rating	NM800DA 100 feet (30m) M800DA 300 feet (100m)

Distance and Angle Laser NM800DA/M800DA

The NM800DA and the M800DA are designed to be used with standard cameras in both Nuclear and Non-Nuclear environments. The sensor may be mounted on the camera Pan-Tilt to move with the camera or separately mounted. The sensor shows a color picture of the scene with the measurements for Distance, Pitch and Yaw overlaid on the picture. Extremely easy to use: the operator can utilize the picture from the NM800DA/M800DA to ensure both the camera and the Distance and Angle sensor are correctly pointed at the same object.



Product Dimensions



About Newton Labs

Newton Labs is a Seattle area-based privately held developer and manufacturer of machine vision and robotic systems. Newton's powerful, easy to use, and industrially rugged systems provide solutions for wide ranging applications in many sectors, including aerospace, automotive, bottling, electronics, medical, packaging, and nuclear, among others. In 20 years Newton has deployed more than 20,000 machine vision and automaton systems worldwide, many that are first-of-a-kind.