

Lightweight Laser Designator Rangefinder

LLDR 2

*Precision Engagement: Deployable, Lethal
and Sustainable*

Through its unique integration of state-of-the-art technologies, LLDR provides an overmatch sensor capability for fire support target acquisition missions.

Interconnectivity within the digitized battlefield enables LLDR to quickly acquire, locate, and designate high payoff targets.

With its dominant sensor capability, LLDR shapes the field of engagement by expanding the close combat zone and winning the beyond-line-of-sight battle via target handoff to other precision fire assets.

Initially developed for dismounted operations, LLDR can be integrated within the mission equipment packages of Legacy (BFIST), Interim (FSVIAV), and Objective (FCS) vehicle platforms.

Features:

- Day / Night / Adverse Weather Target Acquisition
- Precision Target Location

- Designates Stationary or Moving Targets at Extended Ranges
- Digital Interconnectivity
- Modular

System Specifications

General

- Weight: 35 lbs (16 kg)
- Operating Temperature:
-37° C (-35° F) to +49° C (120° F)
- Configuration:
 - Target Locator Module
 - Diode Pumped Laser Designator Module
 - Tripod Assembly
 - Battery & Enclosure
 - Cable

Target Locator Module (TLM)

- Size: 9.6 x 16.9 x 5.5 inches
(24.4 x 42.9 x 14.0 centimeters)
- Weight: 12.8 lbs (5.8 kg)



Target Locator Module



Diode Pumped Laser Designator Module



Tripod

Diode Pumped Laser Designator Module (DLDM)

- Size: 9.4 x 9.6 x 6.5 inches (23.7 x 23.9 x 16.5 centimeters)
- Weight: 6.0 lbs (2.7 kg)
- Type: Nd: YAG
- Range: In excess of 5 km (3.1 mi)
- Codes: All NATO Band I & II plus A Code

Tripod Assembly

- Type: Independent length and angle adjustments
- Tracking Head: Dual axis viscous dampening

Battery

- Type: Primary or Secondary
- Primary: BA-5590
- Secondary: BB-390

GPS Receiver

- Type: Embedded PLGR
- Accuracy: <16m SEP (PPS)

Thermal Sight

- Type: 640 x 480 InSb staring focal plane array
- Cooling: Closed cycle Stirling
- Waveband: 3-5 μ m with laser spot viewing
- Field of View:
Wide: 8.2 x 6.6 degrees
Narrow: 3.5 x 2.8 degrees
E-Zoom: 0.9 x 0.7 degrees

Day Sight

- Type: High resolution staring CCD

- Field of View:
Wide: 4.5 x 3.8 degrees
Narrow: 1.2 x 1.0 degrees
E-Zoom: 0.6 x 0.5 degrees

Azimuth Measurement

- Type: Magnetoresistive electronic compass
- Accuracy: 13 mils (1 sigma)

Elevation Angle Measurement

- Type: Pendulum electronic inclinometer
- Accuracy: 7.5 mils (1 sigma)

Eyesafe Laser Rangefinder

- Type: Nd: YAG with KTP OPO converter
- Eyesafety: Class I
- Pulse Rate: Single shot or 1 Hz continuous
- Range: 100 to 19,995 m (5 m increments)
- Accuracy: 5 m

System Processing/Interface

- System Operation: Menu-driven software
- Display: Monocular high resolution flat panel display
- Data Interface: RS-485 / RS-232 compliant to Joint Technical Architecture
- Video Interface: RS-170 (Stat/Export)

For more information, please contact:

Northrop Grumman Corporation
Laser Systems
2787 South Orange Blossom Trail
Apopka, Florida 32703 USA
e-mail: laser-systems@ngc.com

www.northropgrumman.com

Specifications and features subject to change without notice.
© 2014 Northrop Grumman Systems Corporation
All rights reserved.



DS-518-BLB-0714
A330: 14-1796
2014 RM Graphics

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN