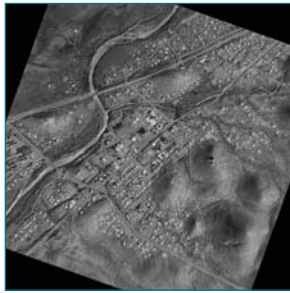


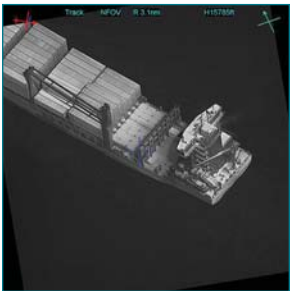
# NORTHROP GRUMMAN



Longer Range Imaging 72NM



FLIR SWFOV



FLIR resolution allows identification of smaller features on ships and maritime structures



Shorter wavelength, sharper images

## AN/AAQ-28(V) LITENING Next Generation Targeting and Sensor System



Northrop Grumman's widely fielded LITENING system is a combat proven, self-contained, multi-sensor targeting and surveillance system that enables aircrews to detect, acquire, auto-track and identify targets at extremely long ranges for weapons delivery or non-traditional intelligence, surveillance and reconnaissance (NTISR) missions. The next generation LITENING system builds on the program's proven success with innovative new technologies.

- Large format FLIR sensor
- 1,024 x 1,024 pixel Charge-Coupled Device (CCD) television sensor
- High-power, dual-mode laser with variable divergence with full altitude capability
- Enhanced laser range finder
- Advanced image processing for target identification
- Accurate coordinate generation for GPS weapons
- Laser spot search and track
- Enhanced color display symbology
- Internal Plug-and-Play III data-link
- NTISR capability
- Modular architecture and spare room for future growth

### The global choice

The LITENING targeting system is currently deployed with the Air Force's Combat Air Forces and the U.S. Marine Corps, as well as many international users. Currently the LITENING family of targeting pods is integrated on 19 different aircraft and flown by 22 different countries.

## AN/AAQ-28(V) LITENING

### Next Generation Targeting and Sensor System

#### LITENING Leads the Pack with Innovative Technology

LITENING provides significant enhancements in terms of both recognition range and image quality, which allows operators improved capability to identify, track and engage land, sea and airborne targets. LITENING's enhanced color symbology, designed to support a new generation of aircraft color displays, provides a more viewer-friendly format that eases operator understanding of display information. Because LITENING uses a modular architecture and has reserved growth space, current pod operators can easily upgrade their systems to the full current LITENING capability – including the more powerful data link capability.

LITENING has pioneered such advanced targeting technologies as precisely aligned and stable sensors; coordinated air-to-ground and air-to-air capabilities, data links for cooperative targeting, unique Super Wide Field of View for improved situational awareness, laser spot search

and track, laser markers and J-series weapons employment capabilities.

Following on LITENING's groundbreaking Plug and Play I and II data-links, the advanced Plug and Play III data link capability offers warfighters increased range, state-of-the-art two way, multi-band, digital data recording and an option to incorporate secure, two-way communications over multiple frequency bands without the need for aircraft modifications.

LITENING's unique plug and play technology enables the warfighters to have many options to customize their data link, including incorporation of advanced data recording for intelligence surveillance and reconnaissance, increased on-board computing to host user-defined networking applications, and the ability to enable secure communication of data and imagery through the addition of user-selected radios operating in C, L, S, Ku and UHF frequency bands.

#### Platform proven



LITENING is combat proven on the following U.S. aircraft: AV-8B, A-10A/C, B-52H, F-15E, F-16, EA-6B and F/A-18. Moreover, LITENING is the pod of choice for the F-16 and has been integrated on F-16 Blocks 15, 25, 30/32, 40/42, and 50/52, amassing hundreds of thousands of flight hours on this platform alone.

*For more information, please contact:*

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#### Record-setting reliability that keeps the fleet in the fight

LITENING availability consistently and significantly exceeds contract requirements. Line replaceable units and two-level maintenance keep lifecycle costs low and availability high. Should a maintenance issue arise, our global depot capabilities ensure that support is available wherever and whenever needed.

#### Specifications

Includes internal data link

Length	87 inches	220 cm
Diameter	16 inches	40.6 cm
Weight	460 lbs	210 kg

*NAVAIR Public Release 11-125*

*Approved for public release; distribution is unlimited.*

*LITENING is a trademark of RAFAEL Armament Development Authority, and Northrop Grumman is licensed with respect to this product. Specifications and features subject to change without notice.*

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DS-074-PCC-0210

A330: 20110072

ES-DSEA-11-02915

2011 Graphic Arts

