

AN/AAQ-28(V)3 Litening ER Pod [FLIR + LRMTS, 50k ft]

Sensor Pod

Type: Sensor Pod

Weight: 0.0 kg

Length: 0.0 m

Span: 0.0 m

Length: 0.0 m

Diameter: 0.0

Generation: None

Properties: Pod - Night Navigation/Attack (Incl. Bomb, Rocket Delivery)

Sensors / EW:

- AN/AAQ-28 [Laser Designator] - Laser Designator, Laser Target Designator & Ranger (LTD/R), Max range: 27.8 km

- AN/AAQ-28 [FLIR] - Infrared, Infrared, Attack FLIR, Max range: 55.6 km

Weapons / Loadouts:

- AN/AAQ-28(V)3 Litening ER Pod [FLIR + LRMTS, 50k ft] - Sensor Pod.

OVERVIEW: The AN/AAQ-28(V)3 ER (Extended Range) Litening II is a airborne laser target designator pod, designed to improve both day/night and all weather attack capabilities.

DETAILS: The Litening system consists of a single AN/AAQ-28(V)3 Litening II pod mounted externally beneath the aircraft. The AN/AAQ-28(V)3 ER Litening II targeting pod contains an improved resolution forward-looking infrared sensor (FLIR), a laser designator, laser marker, laser spot tracker, CCD camera and an Inertial Navigation Sensor (INS) housed in a stabilized turret for precise delivery of laser-guided munitions. For a conventional bomb, the laser can be used to determine and feed the target range to the fire control system, simplifying target detection, recognition and attack and allowing aircraft to attack targets with precision-guided weapons on a single pass.

NOTES: Initial deliveries of the AN/AAQ-28(V)3 ER began in 2001. Litening II provides FLIR and CCD imagery under all lighting and weather conditions. Litening II can acquire targets altitudes of up to 50,000 feet, above the maximum altitude of many potential threat systems. During Operation "Iraqi Freedom" one USMC AV-8B squadron

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claimed a 70% verified kill rate using the pod. The Litening is also capable of providing some reconnaissance and battle damage assessment, as well as identify aerial targets from BVR ranges. Various models of the Litening are currently used by the USMC, USAF, Israel, Spain, Italy, Australia, Netherlands, Portugal, Finland and Denmark. The pod's modular design allows for relatively quick upgrading. The AN/AAQ-28(V)3 ER has been used by the A-10A, the B53H, the F-15E and the F/A-18D. By Spring 2006, all AN/AAQ-28 in the US inventory were upgraded to the AN/AAQ-28 AT standard.

SOURCES: Wikipedia, the free encyclopedia. "LITENING." Accessed October 25, 2014.

<http://en.wikipedia.org/wiki/LITENING> ; GlobalSecurity.org - Reliable Security Information. "AN/AAQ-28 LITENING Advanced Airborne Targeting and Navigation Pod." Accessed October 25, 2014.

<http://www.globalsecurity.org/military/systems/munitions/litening.htm> ; Northrop Grumman. "AN/AAQ-28(V) LITENING Targeting Pod." Accessed October 26, 2014.

<http://www.northropgrumman.com/Capabilities/litening/Pages/default.aspx>; Janes