RAFAEL
SMART AND TO THE POINT

Litening™

Multi-Sensor, Multi-Mission Targeting & Navigation Pod

The most cost-effective targeting & navigation pod on the market

Benefits

- Provides multi-mission capability for existing aircraft
- Enables fighter air crews to carry out a wide range of missions
- Multiple sensor arrays enable high confidence target selection, identification, precise strike and damage assessment
- Reduced pilot workload during targeting and tracking
- Day and night precision strike capability
- Simple maintenance and support, low life cycle cost

Innovative Technology

Litening is an innovative airborne infra-red targeting and navigation pod for fighter aircraft with high accuracy and reliability.

Extensive Capabilities

The Litening pod has wide-range operational capabilities: Detection, recognition, identification and laser designation of air-to-ground and maritime targets, accurate delivery of LGB, scene matching and GPS-guided munitions, low-level night flights, as well as laser spot detection and tracking, identification of aerial targets and laser target illumination for joint missions.

Advanced Features

Litening utilizes a high performance 3rd gen. IR sensor for day and night targeting and a CCD camera for improved daytime operation. It comprises an eye safe dual wavelength Diode Pump Laser (DPL) designator for precise weapon delivery. An inertial tracker provides accurate tracking and automatic alignment to aircraft system's line of sight during obscuration and high aircraft maneuvering.

Litening is adaptable to all aircraft and serves as a force multiplier; as part of an upgrade package. It is easily integrated on any aircraft and possesses high growth potential.

Litening

CCD IMAGE

FLIR IMAGE

Technical Specifications

Pod dimensions		
Length		220 cm (<87″)
Diameter		40.6 cm (<16″)
Weight		208 kg (<455 lb)
FLIR sensor		3-5μ FPA (640 X 480)
Fields of view	Narrow	0.77° X 0.77°
	Medium	2.8° X 2.8°
	Wide (HUD)	18.4° X 21.1°
CCD camera	1k x 1k	
Field of view	Super Narrow	0.25° X 0.25°
	Narrow	0.7° X 0.7°
	Wide	3.5° X 3.5°
Laser designator and rangefinder	Diode Pump Laser conforms with NATO Std. Coding & Eye Safe 1.06 μm & 1.57 μm	
Fields of regard	+45° / -150° pitch ;±380°(±400°) roll	
Aircraft adaptation capabilities	F-16, F-15, F/A-18 ,AV-8B , A-10, B-52, F-4, F-5 Tornado, Typhoon, Mirage-2000, Jaguar, JAS39 Gripen, AMX, MIG-21, MIG-27, Su-30	
VCR	Analogue or digital	

Features

- Laser spot detection & tracking
- Laser marker for cooperative activity
- Point / area & intertial tracking
- Fully digital video operation

60 Years of Innovative Solutions

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