



F-35 LIGHTNING II EOTS

Superior Targeting Capability



PD151-129



PD151-249



PD151-248



EOTS combines advanced sensor technology, a low-profile sapphire window design and advanced algorithms to provide long-range target recognition, identification and tracking. In theIRST mode, EOTS locates and tracks multiple airborne threats at extended ranges, ensuring high lethality and survivability.

EOTS incorporates proven technology and advances in optics, stabilization and processing. Its modular design and ease of repair make it simple to support and ensure two-level maintenance.



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The Electro-Optical Targeting System (EOTS) is the world's first and only sensor that combines forward-looking infrared (FLIR) and infrared search and track (IRST) functionality. As an affordable, high-performance, lightweight, multi-function system, EOTS provides precision air-to-air and air-to-surface targeting capability in a compact package.

Through EOTS, pilots have access to high-resolution imagery, automatic tracking,IRST, laser designation and ranging, and laser spot tracking at greatly increased standoff ranges. Integrated into the F-35 Lightning II's fuselage with a durable sapphire window, the low-drag, stealthy EOTS is linked to the aircraft's central computer through a high-speed fiber-optic interface.

Features

- Rugged, low-profile, faceted window for supersonic, low-observable performance
- Compact single aperture design
- Lightweight (<200 lbs), including window assembly
- Advanced sensor technology
- Air-to-surface/air-to-air FLIR tracker and air-to-airIRST modes
- Modular design for two-level maintenance to reduce life cycle cost
- Automatic boresight and aircraft alignment
- Tactical and eye-safe diode-pumped laser
- Laser spot tracker
- Passive and active ranging
- Highly accurate geo-coordinate generation to meet precision strike requirements

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