



F-16 Block 70/72

The World's Most Advanced 4th Generation Fighter





Meet the F-16 Block 70/72 — the World's Newest and Most Advanced Production F-16.

ADVANCED, INTEGRATED CAPABILITIES

The Block 70/72 features advanced avionics, a proven Active Electronically Scanned Array (AESA) radar, a modernized cockpit with new safety features, advanced weapons, conformal fuel tanks, an improved performance engine, and an industry-leading extended structural service life of 12,000 hours.

Operational capabilities are enhanced through an advanced datalink, targeting pod and weapons, Infrared Search and Track (IRST); precision GPS navigation and advanced Common Digital Flight Control Computer with an enhanced Autopilot/Auto Throttle with life-saving Automatic Ground Collision Avoidance System (Auto GCAS).

ADVANCED AESA RADAR AND ELECTRONIC WARFARE SUITE

A new advanced APG-83 AESA radar delivers greater situational awareness, flexibility and quicker all-weather targeting. The APG-83 provides F-16s with 5th Generation fighter radar capabilities by leveraging hardware and software commonality with F-22 and F-35 AESA radars. The AESA is being integrated with a new active and passive internal electronic warfare system (Viper Shield), which incorporate a new fully Digital Radar Warning Receiver (DRWR) designed to interface with the APG-83 radar.



1. Left Photo: JHMCS II; by Katsuhiko Tokunaga
2. Center Photo: New Advanced Block 70/72 Cockpit
3. Right Photo: APG-83 AESA Fire Control Radar; Photo courtesy of the U.S. Air Force.
Photographer — Bobbi Zapka. Use does not imply or constitute Department of Defense endorsement of this organization, its products or services.

ENHANCED BATTLESPACE AWARENESS

The Block 70/72 features a new Center Pedestal Display (CPD), which provides critical tactical imagery to pilots on a high-resolution 6"x 8" screen. The high-resolution display allows pilots to take full advantage of AESA and targeting pod data. The new CPD enables color moving maps, larger and easier to manage air-to-air Situation Displays, zoom functionality with the ability to switch information among displays, and a digital display of Flight Instrument Data.

New production aircraft; structural, and capability upgrades ensure the international F-16 fleet can operate to 2060 and beyond.

Block 70/72 Fast Facts

- Advanced APG-83 AESA radar
- Radar Mode improvements
- Upgraded Modular Mission Computer and avionics architecture
- Infrared Search and Track (IRST)
- Advanced datalink, targeting pod and weapons
- New cockpit displays and safety improvements
- New Digital Flight Control Computer with enhanced Autopilot/Auto Throttle
- Automatic Ground Collision Avoidance System (Auto GCAS)
- Digital Intercommunications System with 3-D Audio
- Precision GPS navigation



F-16 BLOCK 70/72

Length.....	49.3 ft/15.027 m
Height	16.7 ft/5.090 m
Speed	1,500 mph (Mach 2+)
Wingspan.....	31.0 ft/9.449 m
Empty Weight.....	20,300 lb/9,207 kg
Engine Thrust Class.....	29,000 lb/13,000 kg
Maximum TOGW	48,000 lb/21,772 kg
Design Load Factor	9 g
Service Life.....	12,000 hr

F-16 SELECTED BY 30 CUSTOMERS. 4,700+ PROCURED TO DATE.

