BOEING

THE AH-64D APACHE IS COMBAT

DOMINANCE

Network-Centric, Soldier-Focused. The World's Premier Attack Helicopter.

AH-64D APACHE WEAPON SYSTEM — EXCEEDING EXPECTATIONS

The Apache is designed to fulfill demands for versatile response in a changing world. New modernization efforts in aircraft performance, network-centric communications, interoperability and operational support gives the Apache a new set of tools to help complete its mission and dominate any operational environment. Along with overwhelming firepower, the Apache integrates innovative tools – multi-spectral sensors, advanced algorithms, state-of-the-art avionics, and modern combat systems – to aid the crew in decision making. The result is a new level of battlefield dominance that brings digital capabilities to bear. The AH-64D Apache continues to be the right combination of brains and brawn.

Dominant Technology

The AH-64D Apache puts the right information into the hands of the pilot and co-pilot/gunner. With powerful digital processors integrating information with the crew and systems, the Apache dominates the network-centric demands of the future. The combination of this sensor suite and integrated cockpit design brings the operational environment into focus, paving the way for decisive and lethal response to enemy threats.

WHEELED VEHICLE	TRACK VEHICLE	AIR DEFENSE VEHICLE	HELICOPTER	FIXED WING

The radar automatically detects, classifies and prioritizes multiple targets – day or night in all kinds of environments and weather. Multipurpose displays allow the crew to rapidly see, understand and manage the battlefield for enhanced levels of situational awareness.
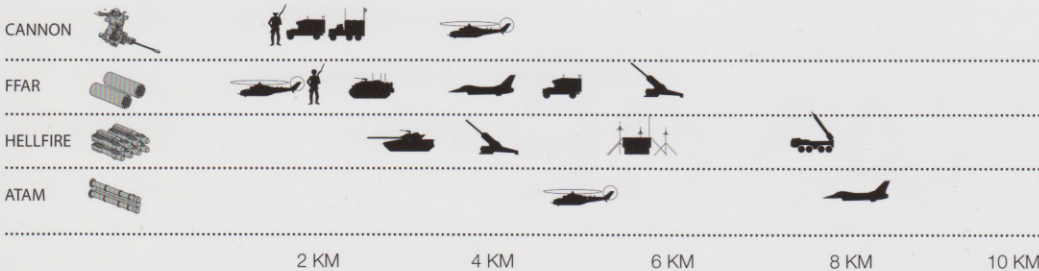
The radar, along with the integration of other sights, sensors and weapons, gives the Apache lethal precision-strike capability and unmatched dominance in combat.

MOVING TARGET CLASSIFICATION

WHEELED VEHICLE	TRACK VEHICLE	AIR DEFENSE VEHICLE

TARGET PRIORITIZATION

SHOOT FIRST	SHOOT SECOND	ALREADY SHOT AT

Dominant Firepower

The AH-64D Apache is a versatile weapon system with unmatched capability to integrate information, performance and capability data, and crewmember expertise to create the most lethal combat helicopter on the battlefield; an aircraft with the brawn to succeed today and the brains to dominate tomorrow. More importantly, the Apache can fly into battle with a wide variety of weapon loads to counter diverse threats without payload reconfiguration. The Apache easily fields the right muscle for any job – from anti-armor and anti-personnel missions to challenging urban terrain.

CANNON

FFAR

HELLFIRE

ATAM

2 KM   4 KM   6 KM   8 KM   10 KM

The AH-64D Apache offers versatile payload options, allowing the battlefield commander the ultimate mission flexibility – bringing the right weapon to handle the situation.

M230 Chain Gun® Cannon
- Point-target accuracy
- Tremendous target effect
- Up to 1,200-round capacity
- Independent burst selection
- Flatpack design
- Sideloader and magazine controller

Folding-Fin Aerial Rockets
- Greatly enhances accuracy
- Up to 76 70mm FFAR capacity
- Multiple warheads/rockets qualified
- Built-in test after loading
- Capability to add laser-designated rockets

Hellfire® Missiles
- Unsurpassed accuracy at maximum stand-off range
- Up to 16 missile capacity
- Engagement capability
  - Fire-and-forget (Radar)
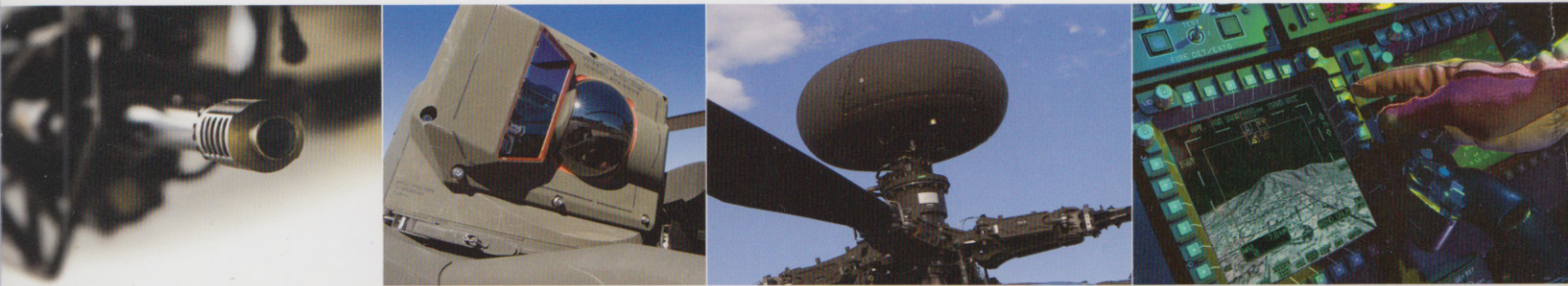 - Precision engagement (Laser)

Air-to-Air Missiles
- Up to 4 wingtip-mounted missiles
- Automatic tracking
- Off-axis cueing
- Fully integrated in all weapon sights

Dominant Future

Enter the U.S. Army's AH-64D Apache Block III. Designed to fulfill the demands and requirements of military commanders for action in a changing world, the U.S. Army's Apache Block III takes the attack helicopter role to a higher level. New modernization efforts in aircraft performance, network-centric communications, interoperability and operational support will give the Apache a new set of tools to help complete its mission and by dominating any operational environment. The Apache Block III, with its digital connectivity and the ability to share targeting data at the click of a button, uses Open Systems Architecture to facilitate rapid insertion of new technologies into its fully integrated design.

A Network-Centric, Multirole Weapon System. The innovative Apache Block III tools include multi-spectral sensors and advanced algorithms to aid the crew in decision making. State-of-the-art avionics and modern combat systems bring these digital capabilities and the Apache to the next level of dominance. Bottom line, the U.S. Army's Apache Block III represents a network-centric, multirole weapon system, fully interoperable with joint, current, and future-force systems. Networked to joint and combined air-ground maneuver teams, the U.S. Army's Block III Apache is custom-fit to support ground commanders. The Apache's unique capabilities make it perfect for armed reconnaissance, mobile strike, close combat, and a host of shaping operations and precision engagement missions.

A complete array of weapons and sensors provides long-range precision stand-off engagement capability. The AH-64D Apache Block III offers versatile payload options, allowing the battlefield commander ultimate mission flexibility – bringing the right weapon to handle the situation. Payload quantity and variation are the keys to mission flexibility and lethality.

APACHE BLOCK III ENHANCEMENTS

Improved Versatility – Supports joint maneuver commander's need for multi-mission operations in high/hot environments (6,000 ft/95°F).

Increased payload capability – Increased maneuverability throughout the flight spectrum.

Open Systems Architecture – The innovative and versatile ability to rapidly integrate new technology into the Apache without major reconfiguration of aircraft systems.

Network-Centric Capability – Provides joint air-ground team synchronization with enhanced joint interoperable communications and a shared common operating picture.

Improved Survivability/Force Protection – Ready to fight in a common operating environment with Integrated Air Warrior, Common Missile Warning System, and extended range Radar Frequency Interferometer with passive ranging.

Enhanced Situational Awareness – Supports the joint maneuver commander with a better understanding of friendly and threat situation utilizing up to Level IV unmanned aircraft system control and Cognitive Decision-Aiding System. These enhancements increase effectiveness while minimizing chance of fratricide.

Increased Responsiveness – Provides capability for accurate target acquisition, identification, engagement and battle-damage assessment utilizing the Modernized Target Acquisition Designation Sight (M-TADS), image fusion, Level IV unmanned aircraft system control and automated target detection/classification.

Increased Lethality – Expands air-ground precision engagement capability for the joint commander through the use of longer-range sensors, unmanned aircraft system teaming and maritime capability.

AH-64D APACHE ATTACK/RECONNAISSANCE HELICOPTER

Designed to quickly meet the needs of today's warfighters – while maintaining the flexibility to rapidly integrate future growth.

Dominant Support

Apache Worldwide Support provides an array of logistics services that are uniquely tailored to the requirements of each customer around the globe. These services range from transactional spares to tailored performance-based logistics (PBL) solutions. Because of the long tradition of Apache success in strategic supplier alliances, and existing worldwide support infrastructures, Boeing can support mission effectiveness and improved readiness at a reduced total cost of ownership.

Apache Performance-Based Logistics – Proactive Support
– Proven Performance

• Supporting High Mission Capable (MC) Rates
 - 80+% in high OPTEMPO environment

• Exceeding Supply Availability Fill Rates
 - 85% key performance-based logistic metric

• Improving Reliability
 - Demonstrated long-term reliability improvements

• Reducing Cost per Flight Hour
 - Demonstrated cost per flight hour reduction

• Supporting Core Depot Requirements
 - Corpus Christi Army Depot qualified as an approved Boeing supplier

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