

AH-6i LIGHT ATTACK/RECONNAIASSANCE HELICOPTER Designed to Perform

Pre-Paris Air Show Media Tour

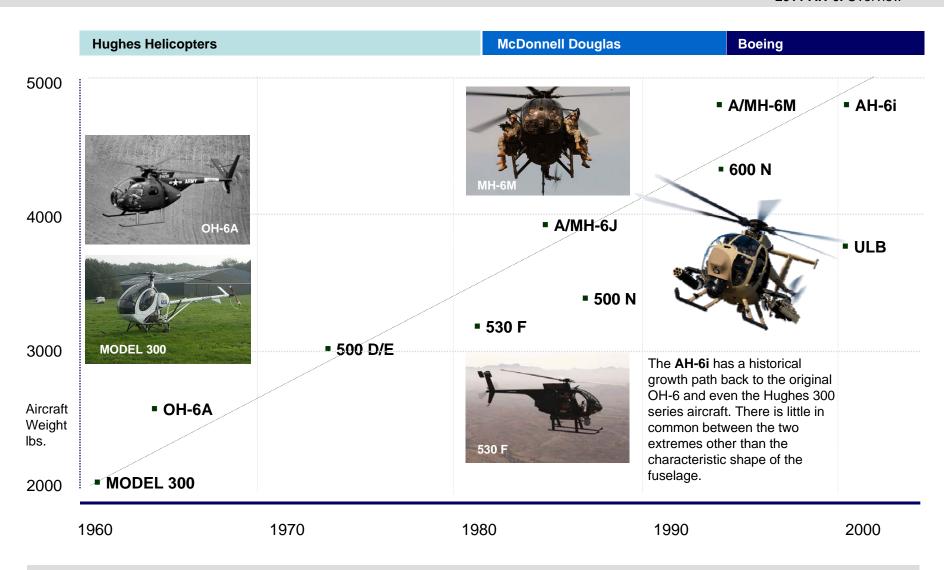
Mike Burke

Director, Global Strike Attack Rotorcraft Business Development

10 June 2011

AH-6i Development History

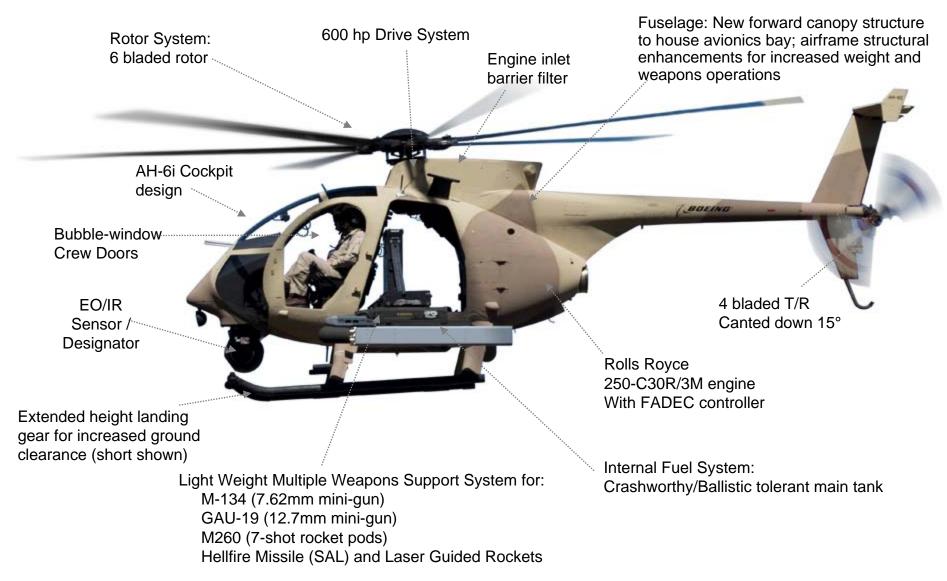
2011 AH-6i Overview



AH-6i - Proven Over Time

AH-6i Features

2011 AH-6i Overview



AH-6i Proven Systems

2011 AH-6i Overview

Advanced Glass Cockpit

- Increased Situational Awareness using Glass Cockpit
- Forward Looking Infrared (FLIR)
- Enhanced Displays
- Digital Map
- Precision Navigation



Superior Payload

- Gross Take-off Weight 4700 lbs
- Adverse weather capable
- Internal Payload Bay
- 1300 lb internal w/ full fuel
- Pilot/Co-pilot seating
- External Stores
- Dual weapons pylons (550 lb)
- Two pylon stations per side

7.62mm Minigun .50 cal GAU-19



Sight / Targeting Sensor

- Zoom HD DTV
- 4 FOV IR
- Laser Pointer
- Laser Rangefinder/
 Designator











LN251 INU/GPS

- Rotor Governing
- Computer Based Maintenance Tracking



AH-6i - Light Attack/Reconnaissance Platform - State-of-the-Art technology

AH-6i Pilot Vehicle Interface

2011 AH-6i Overview



AH-6i Cockpit - Combat Proven, Easy to Read, NVG Compatible

AH-6i Navigation System

2011 AH-6i Overview



LN251 Inertial Navigation System/Global Positioning System (INS/GPS)

Military Qualified. All-attitude Navigation System Radio Frequency (RF) Global Positioning System (GPS)



Boeing Integrated Digital Map

No additional LRUs required and map can be uploaded from a flash drive (thumb drive). Routes can be preplanned and loaded or modified/added through the display.



L3 Standby Flight Instrumentation System



Qualified HARCO Air Data Computer



APN-209 Radar Altimeter with Mil-Std-1553

Used to provide AGL Altitude

Tied into the Communication/Navigation Mil-Std-1553 bus

AH-6i Navigation System – Qualified, Proven, Accurate

AH-6i MX-15D 9 Sensor Imaging/Laser Payload Options + IMU

2011 AH-6i Overview

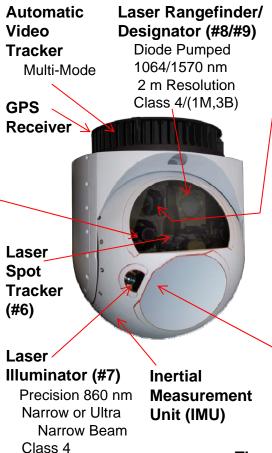
Spotter Color (#4) and Low Light (#5) Cameras



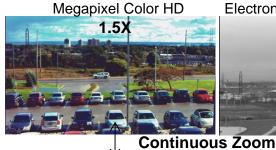
2 Megapixel Color HD



Electron Multiplied CCD



Zoom Daylight Color (#2) & Low Light (#3) Cameras











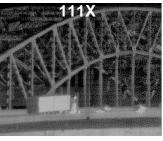


Thermal Imager (#1) 640x512 Pixel Mid-Wave IR





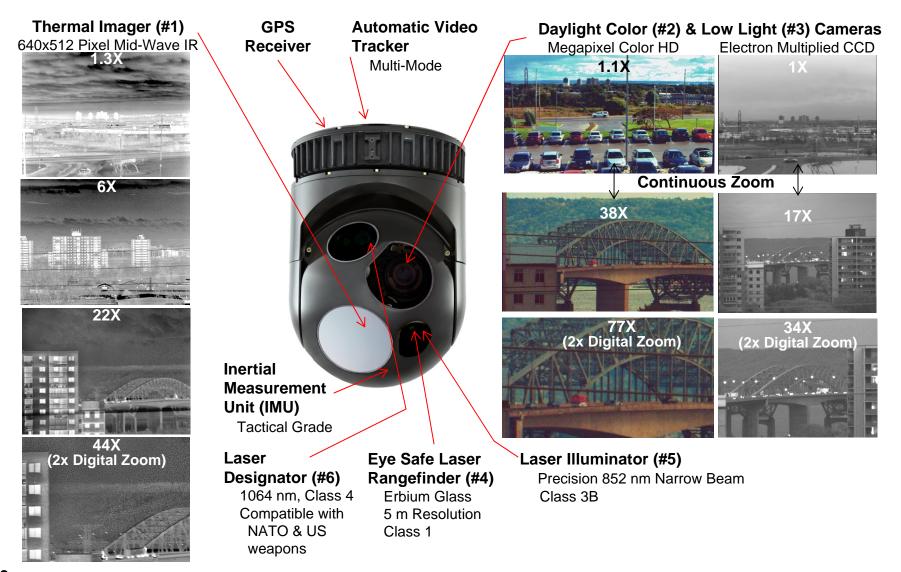




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AH-6i MX-10D 6 Sensor Imaging/Laser Payload Options + IMU

2011 AH-6i Overview



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AH-6i Weapons System

2011 AH-6i Overview



■ 7.62mm MiniGun

■ .50cal GAU-19

- **70mm** FFAR
 - Precision Guided Rockets Option
- SAL Hellfire





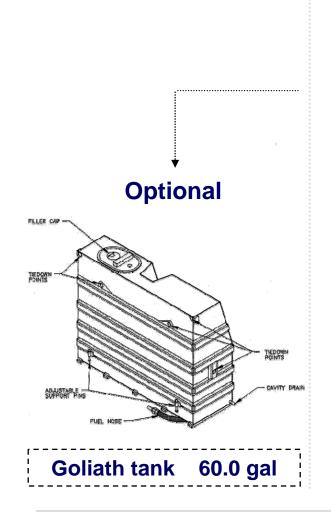
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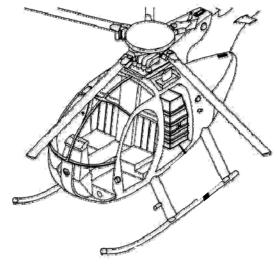
- Light Attack
- Close Combat Attacks
- Security & Escort
- Insertion
- Anti-personnel
- Reconnaissance
- Precision Delivery
- Combat Search & Rescue

AH-6i Weapons - Operationally Qualified, Multiple Stores, Easily reconfigurable

AH-6i Fuel Systems

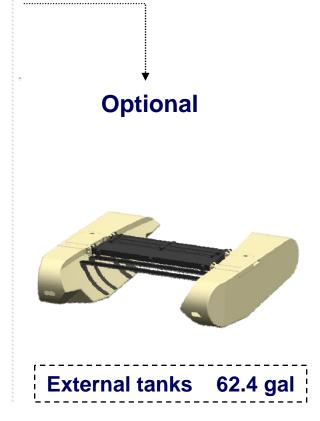
2011 AH-6i Overview





Configuration Options

Main tank......61.1 gal



AH-6i Fuel System – Extended Range, Operational Flexibility

AH-6i Performance

2011 AH-6i Overview

Hellfire	Mission	(2 ea LH	& R	H, 2	pilots,	full
internal	l fuel, all	doors of	f)			

internal fuel, all doors off)	AH-6i - 3,876 lbs	
Maximum Cruise Speed	KTAS Sea Level ISA	126
	6000 ft. 35 deg C	108
Maximum Permitted Speed	VNE (KCAS) at Sea Level	130
Maximum Range (Internal Fuel)	Sea Level ISA	290 km (157 nm)
	6000 ft. 35 deg C	324 km (175 nm)
Maximum Endurance (Internal Fuel)	Sea Level ISA	1.9 hr
	6000 ft. 35 deg C	2.0 hr
Maximum rate-of-climb	Sea Level ISA	2,019 fpm
	6000 ft. 35 deg C	1,650 fpm
Max Service Ceiling (predicted)	Density Altitude	20,000 ft
HIGE (Hover-in-ground Effect)	Standard Day	>14,000 ft
	35 deg C	9,925 ft
HOGE (Hover Out-of-ground Effect)	Standard Day	12,350 ft
	35 deg C	6,550 ft

AH-6i - Performance Specifications

AH-6i Performance

2011 AH-6i Overview

M134D 7.62mm mini gun w/2000 rds LH & 7 shot rocket pod RH , 2 pilots, full internal fuel, all

oors off	_	AH-6i - 3,722 lk	
Maximum Cruise Speed	KTAS Sea Level ISA	126	
	6000 ft. 35 deg C	111	
Maximum Permitted Speed	VNE (KCAS) at Sea Level	130	
Maximum Range (Internal Fuel)	Sea Level ISA	292 km (158 nm)	
	6000 ft. 35 deg C	331 km (179 nm)	
Maximum Endurance (Internal Fuel)	Sea Level ISA	1.9 hr	
	6000 ft. 35 deg C	2.1 hr	
Maximum rate-of-climb	Sea Level ISA	2,162 fpm	
	6000 ft. 35 deg C	1,811 fpm	
Max Service Ceiling (predicted)	Density Altitude	20,000 ft	
HIGE (Hover-in-ground Effect)	Standard Day	>14,000 ft	
	35 deg C	10,850 ft	
HOGE (Hover Out-of-ground Effect)	Standard Day	13,525 ft	
,	35 deg C	7,500 ft	

AH-6i - Performance Specifications

AH-6i Spectrum of Support

2011 AH-6i Overview

BASIC

Organic Traditional Support

Service Components

Push Package

Spares

Support Equipment

- Individual transactions for spares & repairs
- No performance metrics
- Customer manages supply chain
- Customer maintains full configuration
- Customer provides O/I/D level maintenance
- Customer provides organic training
- High Administrative burden for Customer and Suppliers



- Depot Repair
- Spares
- Support Equipment
- Logistics Support Representative
- Depot Repair
- Spares
- Support Equipment

- Contractor Field Service REP
- Logistics Support Representative
- Depot Repair
- Spares
- Support Equipment



PBL

Performance Based Support

Performance Availability

Performance Based Logistics

- Product Support Integrator (PSI)
- Long term performance contract
- Performance metrics at highest level
- Configuration control
- Total logistics support (spares, SE, training, R&M, Tech Support)
- Supplier provides all I/D level maintenance
- Public Private Partnerships
 - Maintenance Augmentation Team (MAT)
 - Contractor Field Service REP
 - Logistics Support Representative
 - Depot Repair
 - Spares
 - Support Equipment

AH-6i PBL - Increased Readiness; Reduced Cost

AH-6i Key Benefits



- Responsive to a Wide Range of Missions
- Reliable
- Maintainable
- Basic Configuration available within 24 Months of Contract Award



AH-6i - The "Total Mission" Solution



Light Attack/Reconnaissance

COMBAT POWER

