DESERT HAWK

ENHANCING WARFIGHTER CAPABILITIES

LOCKHEED MARTIN

We never forget who we're working for®

Desert Hawk III has been in use with the British Army since 2005 and proven capable through thousands of operational hours.

VERSATILITY + RELIABILITY = DESERT HAWK

Lockheed Martin's flagship small unmanned air system (SUAS), Desert Hawk sets industry standards for performance and mission versatility. Desert Hawk provides day and night support to small unit intelligence, reconnaissance, surveillance, target acquisition and related support operations. Key system attributes include higher wind tolerances, high altitude flight, extreme temperature operating range, open modular construction and unmatched endurance. This system provides world-class autonomous flight control and lowest audible signature while offering a wide range of commerical and military grade communications options.

FAMILY OF SYSTEMS

The combat-proven Desert Hawk small unmanned aircraft system (SUAS) is designed to conduct real-time aerial surveillance with operational ease, mission flexibility, and tactical portability.

Featuring state-of-the-art 360-degree color electro-optic and infrared Full Motion Video (FMV) integrated camera systems, as well as other interchangeable, snap-on Plug and Playloads™, the easy to operate Desert Hawk provides all-environment day or night support to small unit information collection, force protection, force support, and force application operations. The lightweight, rucksack portable air vehicles are waterproof, hand-launched and rapidly deployable. The system can be assembled, mission-planned and launched in under 10 minutes. The Desert Hawk family operates in high winds, at extended altitudes and under extreme temperatures. The air vehicles are extremely quiet and virtually undetectable at operational slant ranges.

Desert Hawk IV improved durability, all weather operational capability, and longer endurance enable the highest system utilization rates in its class with unmatched reliability in challenging and complex operational environments. Adaptability to mission and inherent growth is a trademark attribute, made possible with Lockheed Martin's open architecture and modular, interchangeable imaging, communications, and electronic warfare payloads. The British army has employed Desert Hawk III for aerial reconnaissance, surveillance and situational awareness tasks since 2005, accumulating tens of thousands of operational flight hours.

The Desert Hawk family of systems operate using the same mGCS software platform.

DESERT HAWK III

Desert Hawk III operationally proven.

Employed in support of combat operations since 2005, Desert Hawk III (DHIII) has accomplished thousands of sorties under austere conditions. The DHIII system includes hand-launched, ruggedized air vehicles with modular, open-architecture, snap-on Plug and Payloads™ for mission versatility, a portable ground control system and a remote video terminal.

The rugged, lightweight ground control station supports preflight operations, rapid and intuitive mission planning and execution, in-flight retasking, sensor payload control, and real-time video display, record and playback.

FEATURES

- Autonomous GPS navigation
- Quiet acoustic signature
- Radio Frequency (RF) signal geolocation module
- Room for payload growth
- High wind tolerant
- Open architecture
- Rucksack portable

System Specifications	
Weight	8.2 pounds
Endurance	1.5 hours
Cruise/Dash Speeds	25/50 knots
Wing Span	59 inches
Payload Capacity	2 pounds

DESERT HAWK IV

Desert Hawk IV next generation SUAS.

Desert Hawk IV (DH IV) reflects our latest capability and technology upgrades while maintaining the basic weight and man-portable features of Desert Hawk III. The system can be launched while standing, kneeling or in prone positions, and recovered from confined areas by a single operator. Spot-recovery is now possible with a new, deep stall landing capability.

The unique, all-weather pitot system enables flight in steady rain and heavy snow, and has demonstrated operations in winds exceeding 50 mph and in whiteout conditions. Featuring a user-friendly, mission-focused mobile ground control station (MGCS™) that operates on Linux or Windows platforms. Waterproof DHIV is suitable for operations within the maritime environment.

INCLUDES DHIII FEATURES+

- All-environment
- Improved flight control
- Smart battery with increased, 150-minute endurance
- High quality EO/IR
- Spot launch and land

System Specifications	
Weight	8.2 pounds
Endurance	2.5 hours
Cruise/Dash Speeds	25/55 knots
Wing Span	59 inches
Payload Capacity	2 pounds

DESERT HAWK EER

Desert Hawk EER the affordable alternative for Group II UAS functionality.

Leveraging the basic Desert Hawk architecture, the Desert Hawk Extended Endurance & Range (DH EER) sUAS maximizes endurance and payload support to mimic group II UAS functionality. DH EER is a sub-20 lb., hand-launched, power source and payload configurable platform capable of multi-function missions.

Based on power source configuration, DH EER provides between 2 and 10 hours of continuous flight. The glider attributes include large, flat wing and rudder surfaces that are ideal for solar power augmentation to the primary power source. DH EER versatility includes 3-, 6-, 9- or 12-inch payload bay modules depending on power source.

Desert Hawk EER multi-functional capabilities have been proven during U.S. Army Expeditionary Warrior Experimentation (AEWE).

INCLUDES DHIII/IV FEATURES+

- Power source configurable
- Up to 6 lbs. payload capacity
- Unassisted hand-launch

System Specifications	
Weight	18 pounds
Endurance	2-10 hours*
Cruise/Dash Speeds	35 knots
Wing Span	12 feet
Payload Capacity	4-6 pounds*

** power configuration dependent*

DESERT HAWK IS READY TO FULLY SUPPORT THE WARFIGHTER'S NEEDS TODAY AND TOMORROW

WE'RE ENGINEERING A BETTER TOMORROW

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