

# ScanEagle®

***A superior autonomous aircraft system  
that delivers long endurance and  
exceptional situational awareness  
in a runway-independent package.***



## **IDEAL FOR:**

- Surveillance & reconnaissance
- Coastal patrol
- Law enforcement
- Search & rescue
- Radar
- Environmental monitoring
- Terrain mapping & surveying
- Biological & chemical agent detection
- Meteorological measurement
- Mineral exploration
- Science & research

# ScanEagle®

## UNMANNED AIRCRAFT SYSTEM | PRODUCT SPECIFICATIONS

**PROVEN** ScanEagle® unmanned aircraft system (UAS) is a low-cost solution with a small operational footprint that delivers high-quality imagery for intelligence, surveillance, and reconnaissance (ISR). ScanEagle, developed in partnership with Boeing, is currently in service with the U.S. Department of Defense, the Australian Defence Force, and other allied foreign militaries.

**FLEXIBLE** Challenging weather conditions, unprepared terrain, and shipboard operations are easy with Insitu's pneumatic catapult launcher and unique SkyHook® recovery system. Aircraft launch and recovery are performed safely and autonomously on land and at sea without a net or runway.

**STRAIGHTFORWARD** Because of its light weight and small system footprint, the ScanEagle UAS has low personnel requirements—only two operators are necessary. Insitu's aircraft control software is user-friendly, and advanced automatic object-tracking technology greatly reduces operator workload.

**VISIONARY** A standard ScanEagle unmanned aircraft (UA) carries a high-resolution electro-optic (EO) or infrared (IR) camera on a lightweight, inertially stabilized turret system. With communications range of over 55 nautical miles (100 km) and endurance of 24+ hours, the ScanEagle UAS is a versatile platform. Because the aircraft is completely modular, critical components can be swapped quickly in the field to ensure that ScanEagle is mission-ready.

Fielded since 2004, Insitu systems have demonstrated safety and reliability in combat operations on land and at sea. A variety of sensor options are available for expanded capabilities—contact us to learn how ScanEagle can be customized to meet your needs.

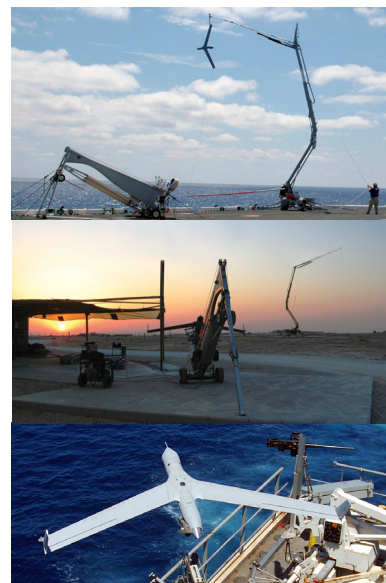
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### A ScanEagle system includes:

- One or More ScanEagle UA
- Pneumatic Launcher
- SkyHook Recovery System
- Ground Control Station



### UPGRADES

- AIS for Maritime Domain Awareness
- Heavy Fuel Engine with 32 Hours Endurance
- Hush Engine for Reduced Acoustic Signature
- Mid-Wave IR Sensor for Increased Nighttime Resolution
- Mode C Transponder for Aircraft Deconfliction
- ROVER Support

### DIMENSIONS

Wing Span	10.2 ft	3.11 m
Length	4.5 ft	1.37 m

### WEIGHTS

Empty Structure Weight	28.8 lb	13.1 kg
Max Takeoff Weight	44.0 lb	20.0 kg

### PERFORMANCE

Max Horizontal Speed	80 knots	41 m/s
Cruise Speed	48 knots	25 m/s
Ceiling	19,500 ft	5,944 m
Endurance		24+ hours

### SYSTEM FEATURES

Propulsion	1.9hp(1.4kw),2-strokeengine
Fuel	Gasoline (100 octane unleaded non-oxygenated gas) or Heavy fuel (JP5, JP8, Jet-A)
Navigation	GPS / Inertial
Launch	Pneumatic catapult
Recovery	SkyHook wingtip capture

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