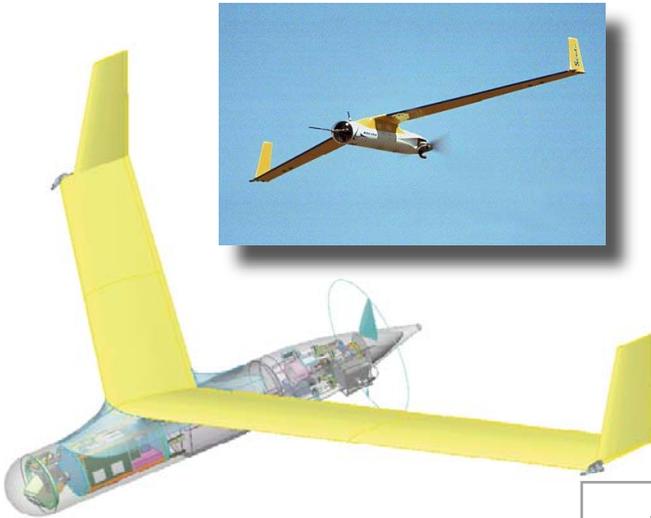


# ScanEagle A

## Overview

ScanEagle A is an Unmanned Aerial Vehicle (UAV) under joint development by The Boeing Company and The Insitu Group in an effort to meet the demand for an affordable, fully autonomous vehicle with exceptional endurance. Equipped with an onboard inertially stabilized daylight video camera, ScanEagle A can stay aloft for 15 hours, traveling hundreds of miles.

Groups of ScanEagle swarms can loiter overhead until needed by forward deployed forces for ISR or communications missions. The ScanEagle is capable of autonomous launch and recovery, and can be operated without extensive training. All in a package priced to risk expendability.



### SCANEAGLE A PERFORMANCE

Max Level Speed	66 knots
Cruise Speed (max weight)	49 knots
Loiter Speed (max weight)	41 knots
Service Ceiling (max weight)	16,000 ft
Still-air endurance, no reserves	15 hrs.
Launch	6g or 12g catapult
Recovery	Skyhook
Navigation	GPS w/ differential
Surveillance	12:1 zoom daylight video camera (or IR) in inertially stabilized turret
UAV Cost (modest volumes): \$60,000 <i>(Includes E/O stabilized turret)</i>	

### DIMENSIONS

Wing Span	10.0 ft.
Fuselage Dia.	7.0 in.
Length	3.9 ft.

### WEIGHTS

Airframe	8.1 lb
Avionics Sys.	7.0 lb
Powerplant	5.3 lb
Empty Weight	24.2 lb
Fuel	15.4 lb
MTOGW	39.6 lb

## Launch and Recovery

One of the most unique characteristics of the ScanEagle is its ability to launch from a small catapult, and later recover by grabbing a line in a patented wing tip hook design. This Skyhook recovery system allows ScanEagle to operate from forward fields, mobile vehicles or small vessels.



The ScanEagle prototype makes a catapult launch



The ScanEagle makes a Skyhook recovery



The Skyhook system allows for near vertical recoveries

## Payloads

ScanEagle is normally equipped with an inertially stabilized, electro-optical camera system that is gimballed in both pan and tilt. However, other options under development include IR, Bio-Chem, Laser Illumination, Meteorological or other sensors as requested.

